



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 25, 2026 – 09:53 AM UTC

PDB ID : 3IKM / pdb_00003ikm
Title : Crystal structure of human mitochondrial DNA polymerase holoenzyme
Authors : Lee, Y.-S.; Kennedy, W.D.; Yin, Y.W.
Deposited on : 2009-08-06
Resolution : 3.24 Å(reported)

This is a Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity	:	4-5-2 with Phenix2.0
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

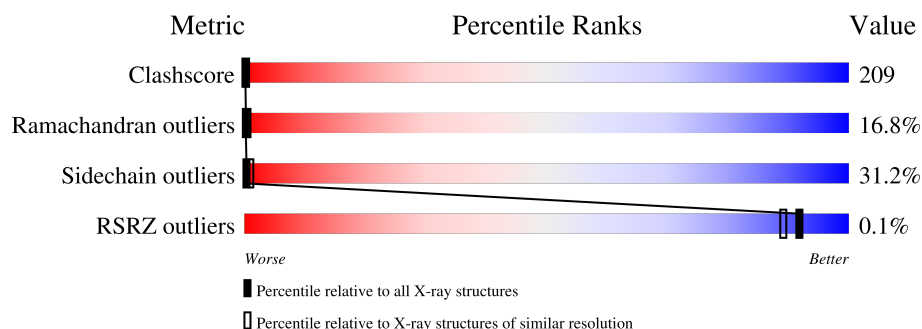
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.24 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)	Similar resolution (#Entries, resolution range(Å))
Clashscore	190562	2275 (3.28-3.20)
Ramachandran outliers	187476	2233 (3.28-3.20)
Sidechain outliers	187428	2232 (3.28-3.20)
RSRZ outliers	180081	2153 (3.28-3.20)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	1172	
1	D	1172	
2	B	427	
2	C	427	
2	E	427	
2	F	427	

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 29480 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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 DNA polymerase subunit gamma-1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	1093	Total	C	N	O	S	0	0	0
			8681	5505	1537	1589	50			
1	D	1094	Total	C	N	O	S	0	0	0
			8695	5515	1540	1590	50			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	354	ASN	-	SEE REMARK 999	UNP P54098
A	355	SER	-	SEE REMARK 999	UNP P54098
D	354	ASN	-	SEE REMARK 999	UNP P54098
D	354A	SER	-	SEE REMARK 999	UNP P54098

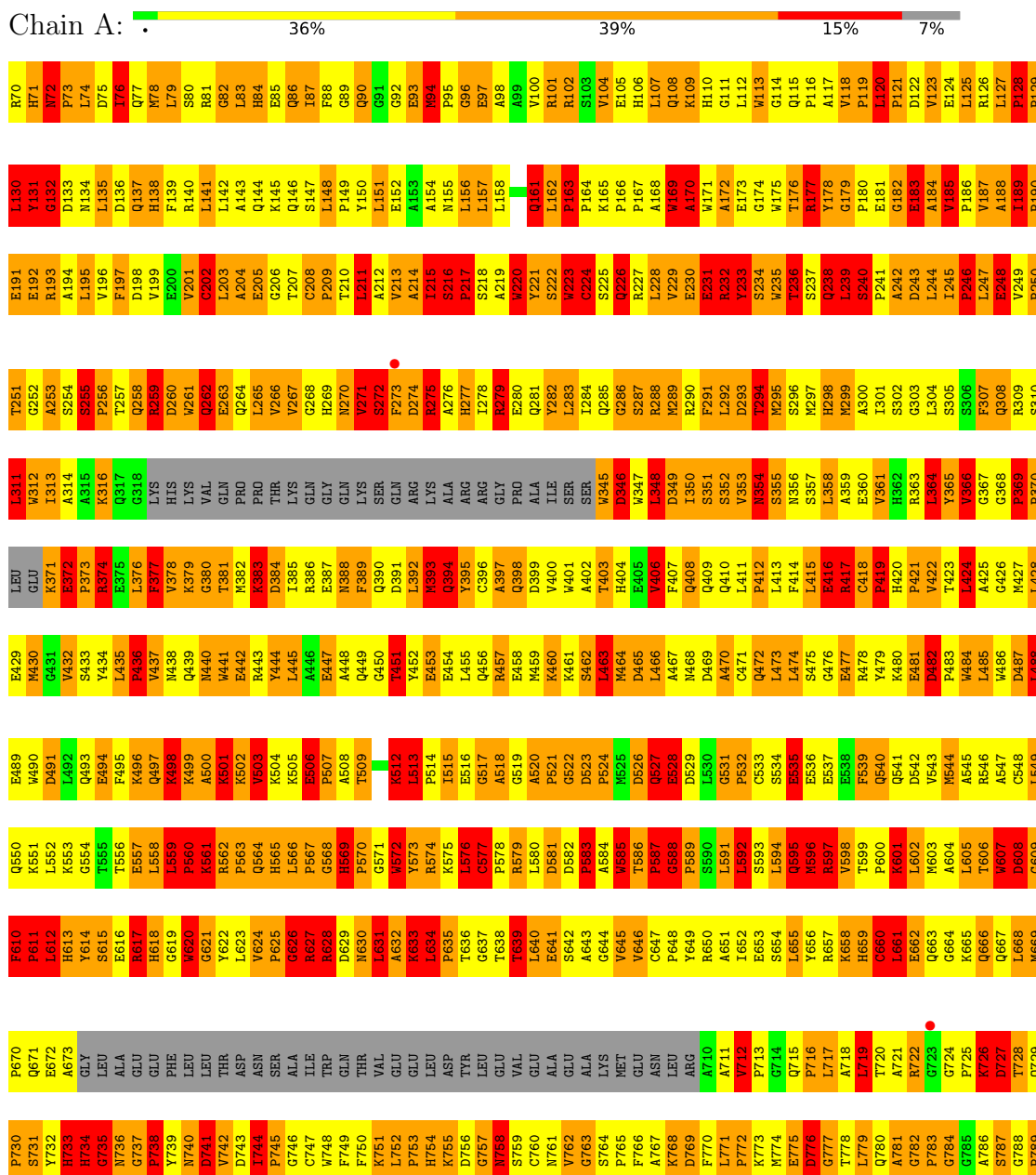
- Molecule 2 is a protein called DNA polymerase subunit gamma-2.

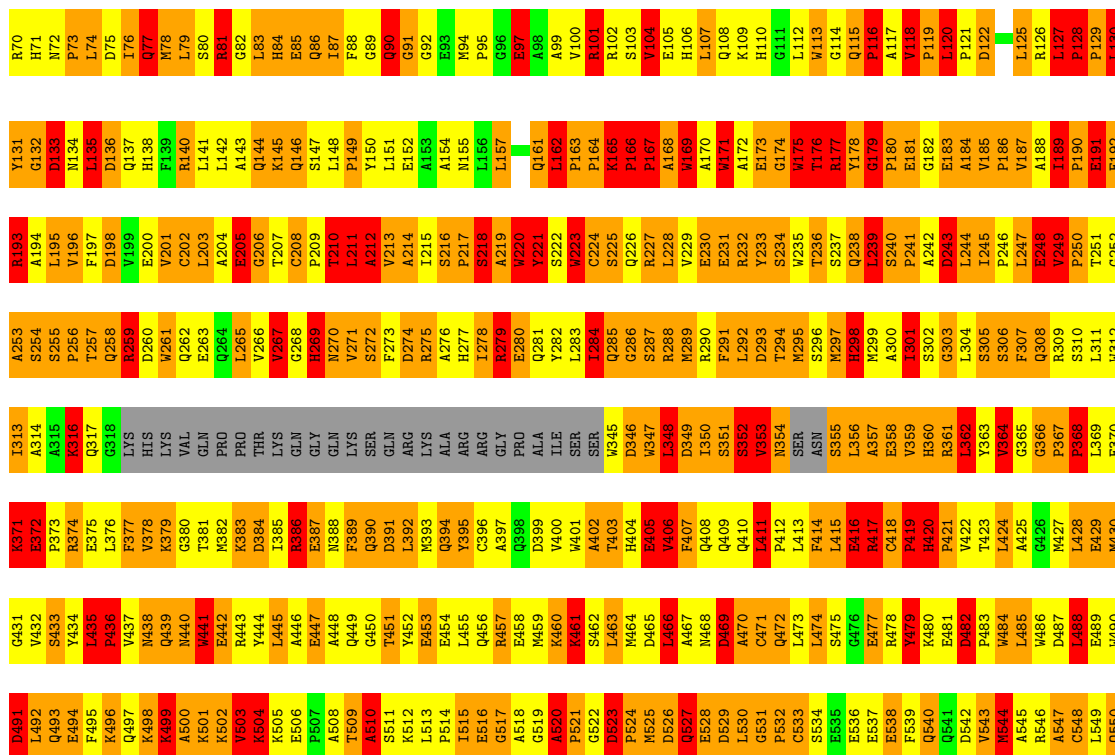
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	355	Total	C	N	O	S	0	0	0
			2871	1840	504	511	16			
2	C	396	Total	C	N	O	S	0	0	0
			3181	2031	563	571	16			
2	E	355	Total	C	N	O	S	0	0	0
			2871	1840	504	511	16			
2	F	396	Total	C	N	O	S	0	0	0
			3181	2031	563	571	16			

3 Residue-property plots

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 electron 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 dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). 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: DNA polymerase subunit gamma-1

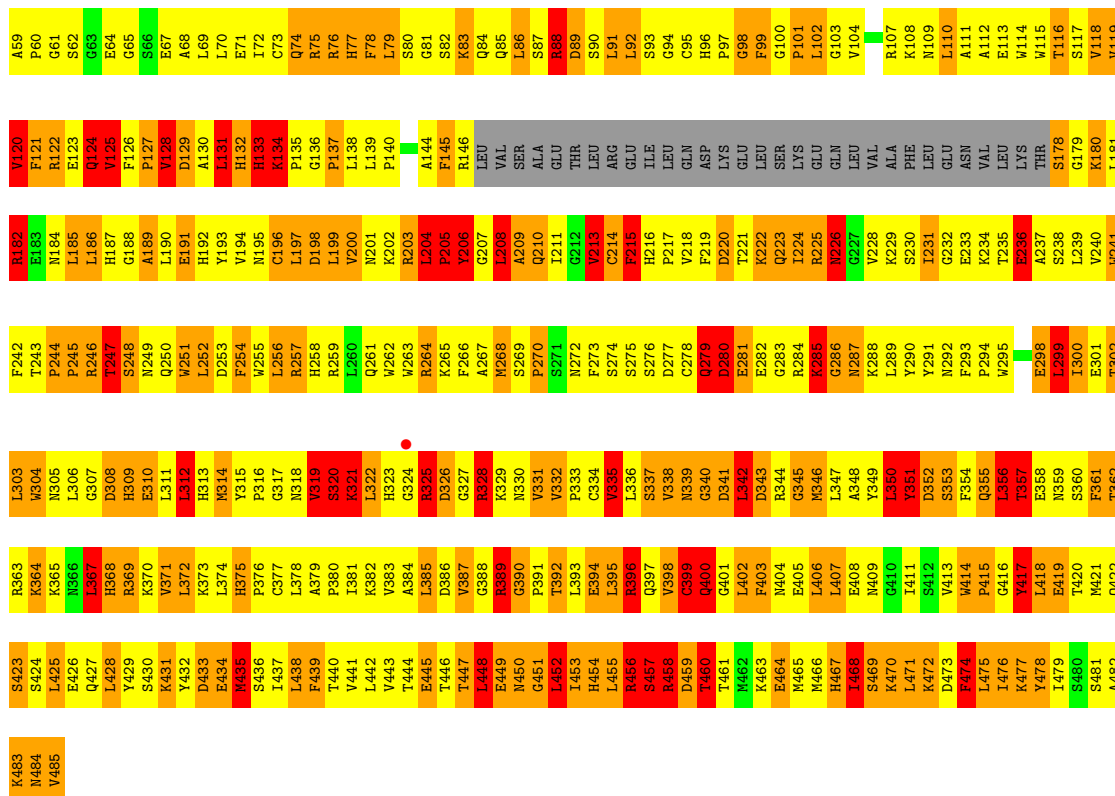




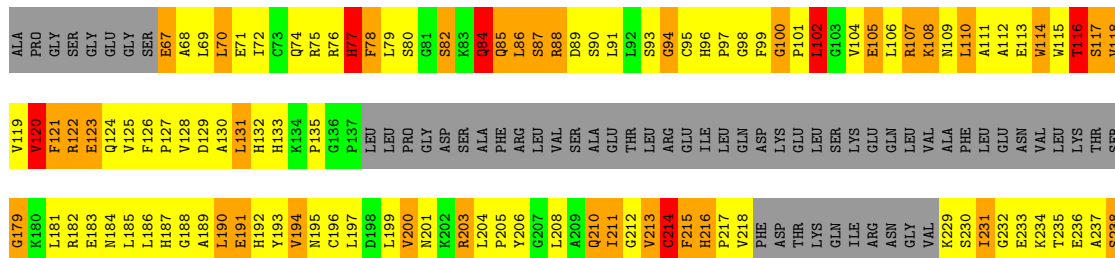
- Molecule 2: DNA polymerase subunit gamma-2



Chain C: 44% 33% 11% 7%



Chain E:



4 Data and refinement statistics

Property	Value	Source
Space group	P 32	Depositor
Cell constants a, b, c, α , β , γ	138.39Å 138.39Å 226.31Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	46.92 – 3.24 46.92 – 3.25	Depositor EDS
% Data completeness (in resolution range)	89.5 (46.92-3.24) 89.6 (46.92-3.25)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.35 (at 3.25Å)	Xtriage
Refinement program	CNS 1.2	Depositor
R, R_{free}	0.284 , 0.303 0.361 , (Not available)	Depositor DCC
R_{free} test set	No test flags present.	wwPDB-VP
Wilson B-factor (Å ²)	91.9	Xtriage
Anisotropy	0.045	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.29 , 336.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	0.022 for -h,-k,l 0.468 for h,-h-k,-l 0.023 for -k,-h,-l	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	29480	wwPDB-VP
Average B, all atoms (Å ²)	85.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.11% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# $ Z > 5$	RMSZ	# $ Z > 5$
1	A	0.94	18/8913 (0.2%)	2.06	406/12100 (3.4%)
1	D	1.03	30/8927 (0.3%)	2.18	471/12118 (3.9%)
2	B	0.78	6/2944 (0.2%)	1.43	67/3981 (1.7%)
2	C	0.92	11/3262 (0.3%)	1.95	114/4411 (2.6%)
2	E	0.92	12/2944 (0.4%)	1.59	75/3981 (1.9%)
2	F	0.85	2/3262 (0.1%)	1.88	128/4411 (2.9%)
All	All	0.94	79/30252 (0.3%)	1.97	1261/41002 (3.1%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
1	A	0	4
1	D	1	3
2	B	0	1
2	C	0	1
2	E	1	2
2	F	0	1
All	All	2	12

All (79) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	D	352	SER	CA-C	16.23	1.74	1.52
2	E	385	LEU	CA-CB	-15.47	1.27	1.53
1	D	352	SER	N-CA	14.78	1.65	1.46
1	A	232	ARG	N-CA	-13.60	1.28	1.46
2	B	280	ASP	C-O	-13.58	1.06	1.24
2	E	382	LYS	N-CA	-13.35	1.28	1.46
1	A	231	GLU	C-O	-9.98	1.11	1.24
1	A	229	VAL	CA-CB	9.74	1.66	1.54

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	232	ARG	CA-CB	-9.52	1.37	1.53
2	E	381	ILE	C-O	-9.41	1.12	1.24
2	E	331	VAL	CA-CB	9.33	1.67	1.54
1	D	870	VAL	CA-CB	-8.49	1.42	1.54
1	D	248	GLU	N-CA	-8.46	1.35	1.46
1	D	915	ALA	CA-CB	-8.22	1.39	1.53
1	D	1204	THR	CA-CB	-7.94	1.41	1.53
1	D	1163	MET	SD-CE	-7.93	1.59	1.79
1	D	351	SER	CA-C	-7.89	1.42	1.52
2	E	382	LYS	CA-CB	7.88	1.66	1.53
1	A	239	LEU	CA-CB	-7.69	1.40	1.53
1	D	358	GLU	CG-CD	7.68	1.71	1.52
2	E	386	ASP	C-N	7.67	1.41	1.33
1	D	359	VAL	C-O	7.59	1.33	1.24
2	F	338	VAL	CA-CB	-7.56	1.44	1.54
2	E	382	LYS	CA-C	-7.56	1.42	1.52
1	A	712	VAL	CA-CB	7.55	1.64	1.54
2	B	281	GLU	CA-C	-7.49	1.42	1.52
2	F	435	MET	SD-CE	7.46	1.98	1.79
1	D	351	SER	C-N	7.42	1.44	1.33
2	C	460	THR	N-CA	-7.25	1.36	1.46
1	A	229	VAL	N-CA	7.00	1.57	1.46
2	E	381	ILE	CA-C	-6.97	1.43	1.52
2	E	381	ILE	CA-CB	-6.94	1.45	1.54
1	D	361	ARG	CZ-NH1	6.87	1.42	1.32
1	A	406	VAL	CA-CB	6.84	1.62	1.54
2	C	459	ASP	CA-C	-6.78	1.44	1.53
2	E	385	LEU	N-CA	-6.76	1.37	1.46
2	B	279	GLN	CA-C	-6.75	1.43	1.52
1	D	891	VAL	CA-CB	-6.57	1.45	1.54
2	C	455	LEU	N-CA	-6.49	1.38	1.46
1	D	503	VAL	CA-CB	6.48	1.66	1.55
1	A	232	ARG	CB-CG	6.44	1.71	1.52
2	C	268	MET	SD-CE	6.35	1.95	1.79
1	D	608	ASP	CA-C	-6.25	1.44	1.52
2	C	362	THR	CA-CB	6.15	1.57	1.53
1	D	249	VAL	C-O	6.14	1.32	1.24
1	A	1053	THR	CA-CB	6.11	1.63	1.53
1	D	357	ALA	C-O	6.10	1.31	1.23
1	A	231	GLU	CA-C	-6.09	1.44	1.52
2	C	338	VAL	CA-CB	-6.01	1.46	1.53
1	A	669	MET	C-O	-6.00	1.19	1.24

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	D	798	ILE	CA-CB	5.85	1.61	1.54
2	C	459	ASP	N-CA	-5.83	1.38	1.45
1	D	503	VAL	N-CA	5.83	1.55	1.45
1	D	346	ASP	CA-C	-5.82	1.45	1.52
1	A	503	VAL	CA-CB	-5.80	1.46	1.54
2	C	241	TRP	CA-C	-5.75	1.45	1.52
2	B	282	GLU	N-CA	-5.67	1.38	1.46
1	D	359	VAL	CA-CB	-5.60	1.46	1.54
2	C	458	ARG	CA-C	-5.59	1.45	1.52
1	A	230	GLU	CA-C	-5.59	1.45	1.52
1	D	406	VAL	CA-CB	5.48	1.61	1.54
1	A	1220	ILE	CA-CB	-5.47	1.48	1.54
2	C	435	MET	SD-CE	5.45	1.93	1.79
1	D	825	VAL	CA-CB	-5.40	1.48	1.54
1	D	353	VAL	N-CA	-5.38	1.39	1.46
2	B	281	GLU	N-CA	-5.37	1.39	1.46
1	D	358	GLU	CA-C	5.36	1.61	1.52
1	D	351	SER	N-CA	-5.36	1.40	1.46
2	E	383	VAL	C-O	5.36	1.30	1.24
2	E	382	LYS	CB-CG	-5.30	1.36	1.52
1	D	358	GLU	CB-CG	-5.26	1.36	1.52
1	D	248	GLU	CA-C	-5.24	1.45	1.52
1	A	163	PRO	CA-C	5.23	1.57	1.52
1	D	712	VAL	CA-CB	5.23	1.60	1.54
2	B	413	VAL	CA-CB	5.17	1.61	1.54
1	A	634	LEU	CA-C	5.16	1.59	1.52
1	D	622	TYR	N-CA	5.16	1.52	1.45
2	C	447	THR	CA-CB	-5.09	1.45	1.53
1	A	1069	ILE	CA-C	5.04	1.58	1.52

All (1261) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	347	TRP	N-CA-C	25.37	145.20	109.18
1	A	274	ASP	N-CA-C	-25.20	82.79	114.04
1	D	274	ASP	N-CA-C	-23.61	83.85	114.31
1	D	351	SER	N-CA-C	-22.78	84.80	112.59
1	D	721	ALA	N-CA-C	-21.86	77.17	110.17
2	E	382	LYS	N-CA-C	21.09	155.72	110.80
1	D	132	GLY	N-CA-C	20.95	140.03	111.54
2	E	385	LEU	N-CA-C	20.80	155.11	110.80
2	C	399	CYS	N-CA-C	-19.49	87.62	111.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	450	ASN	N-CA-C	-19.39	86.37	110.61
1	A	204	ALA	N-CA-C	-19.10	90.42	113.15
1	A	537	GLU	N-CA-C	19.04	131.44	111.07
2	B	280	ASP	CA-C-N	18.83	157.51	121.54
2	B	280	ASP	C-N-CA	18.83	157.51	121.54
2	C	303	LEU	N-CA-C	18.74	135.44	112.58
2	E	433	ASP	N-CA-C	-18.07	91.37	113.41
2	C	343	ASP	N-CA-C	-18.02	90.89	113.23
1	A	627	ARG	N-CA-C	-17.91	87.11	111.28
1	D	75	ASP	N-CA-C	-17.87	91.39	113.38
1	D	418	CYS	CA-C-N	17.71	141.98	119.84
1	D	418	CYS	C-N-CA	17.71	141.98	119.84
1	A	418	CYS	CA-C-N	17.30	141.46	119.84
1	A	418	CYS	C-N-CA	17.30	141.46	119.84
1	D	1233	LYS	N-CA-C	-17.13	89.19	110.61
1	A	1044	VAL	N-CA-C	-17.01	88.23	112.04
2	F	318	ASN	N-CA-C	-17.00	92.75	111.28
1	A	379	LYS	N-CA-C	-16.81	79.27	108.52
2	F	357	THR	N-CA-C	-16.74	85.69	110.46
1	A	610	PHE	CA-C-N	-16.73	98.92	119.84
1	A	610	PHE	C-N-CA	-16.73	98.92	119.84
1	A	825	VAL	N-CA-C	-16.72	94.37	110.42
2	F	343	ASP	N-CA-C	-16.61	92.29	112.89
2	C	318	ASN	N-CA-C	-16.58	92.60	113.16
1	D	879	GLN	N-CA-C	16.52	133.87	108.42
1	A	277	HIS	N-CA-C	-16.34	92.86	111.82
1	D	243	ASP	N-CA-C	-16.32	89.77	112.45
1	D	171	TRP	N-CA-C	-15.94	76.84	110.80
2	C	279	GLN	N-CA-C	15.77	134.76	109.85
2	C	459	ASP	N-CA-C	15.70	130.79	110.53
1	D	275	ARG	N-CA-C	-15.64	93.92	110.97
1	D	810	SER	N-CA-C	-15.64	77.49	110.80
1	A	1209	ARG	N-CA-C	-15.55	94.33	111.28
2	E	386	ASP	N-CA-C	15.50	126.31	108.49
1	D	176	THR	N-CA-C	15.35	133.02	109.23
1	A	226	GLN	N-CA-C	-15.29	95.07	113.88
1	A	602	LEU	N-CA-C	-15.28	91.24	110.19
1	A	632	ALA	N-CA-C	-15.24	94.75	111.36
2	C	127	PRO	N-CA-C	-15.23	95.29	114.03
1	D	1212	ILE	CA-C-N	15.19	136.44	120.04
1	D	1212	ILE	C-N-CA	15.19	136.44	120.04
1	D	1037	GLN	N-CA-C	15.15	143.06	110.80

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	1212	ILE	CA-C-N	15.02	138.61	119.84
1	A	1212	ILE	C-N-CA	15.02	138.61	119.84
2	F	320	SER	N-CA-C	14.93	133.00	109.86
1	D	606	THR	N-CA-C	14.88	132.57	109.81
1	D	991	GLY	N-CA-C	14.81	130.41	112.49
2	F	127	PRO	N-CA-C	-14.72	93.72	114.18
1	D	566	LEU	N-CA-C	-14.70	91.28	110.39
2	C	247	THR	N-CA-C	-14.68	93.57	111.33
1	D	565	HIS	N-CA-C	-14.59	93.60	111.11
1	A	178	TYR	N-CA-C	-14.50	88.35	109.96
1	D	231	GLU	N-CA-C	14.46	130.90	110.50
1	D	232	ARG	N-CA-C	14.41	131.50	111.17
2	C	357	THR	N-CA-C	-14.38	89.00	110.14
2	F	279	GLN	N-CA-C	14.37	132.42	110.14
1	A	938	THR	N-CA-C	-14.31	88.55	109.59
1	D	115	GLN	CA-C-N	14.25	137.65	119.84
1	D	115	GLN	C-N-CA	14.25	137.65	119.84
1	A	108	GLN	N-CA-C	-14.21	95.33	111.82
1	D	726	LYS	N-CA-C	14.17	135.05	113.51
1	A	239	LEU	N-CA-C	14.13	140.90	110.80
2	F	319	VAL	N-CA-C	-14.06	80.09	109.34
1	A	275	ARG	N-CA-C	-14.05	95.24	112.38
1	A	996	ARG	N-CA-C	14.05	130.42	109.07
1	D	615	SER	N-CA-C	-13.94	87.41	108.46
1	D	239	LEU	N-CA-C	-13.90	96.87	112.57
1	D	627	ARG	N-CA-C	-13.89	81.21	110.80
1	D	291	PHE	N-CA-C	13.81	128.05	110.65
1	D	874	LEU	N-CA-C	13.73	126.25	111.28
2	E	384	ALA	N-CA-C	13.72	140.02	110.80
1	D	786	ALA	N-CA-C	-13.72	85.49	108.26
1	A	216	SER	CA-C-N	-13.70	102.71	119.84
1	A	216	SER	C-N-CA	-13.70	102.71	119.84
1	D	651	ALA	N-CA-C	-13.69	95.92	112.89
1	D	360	HIS	N-CA-C	-13.66	88.84	111.37
1	A	1030	ARG	N-CA-C	-13.53	95.05	111.69
1	D	846	THR	N-CA-C	-13.53	92.68	110.53
2	F	339	ASN	N-CA-C	-13.52	89.69	109.96
1	D	164	PRO	N-CA-C	-13.42	96.15	114.27
2	E	78	PHE	N-CA-C	-13.42	85.25	108.20
1	A	533	CYS	N-CA-C	-13.38	82.31	110.80
1	A	574	ARG	N-CA-C	13.33	125.25	108.45
1	A	1031	GLU	N-CA-C	-13.28	92.62	110.55

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	400	GLN	N-CA-C	-13.18	95.29	111.11
1	A	1011	PRO	N-CA-C	-13.14	96.15	114.80
1	A	498	LYS	N-CA-C	13.11	126.37	107.88
1	D	352	SER	O-C-N	-13.09	105.19	122.59
2	C	454	HIS	N-CA-C	-13.08	87.09	108.41
1	A	759	SER	N-CA-C	13.07	129.57	113.50
1	D	346	ASP	CA-C-N	-12.96	99.93	123.01
1	D	346	ASP	C-N-CA	-12.96	99.93	123.01
1	D	272	SER	N-CA-C	-12.91	93.49	110.53
1	D	354	ASN	N-CA-C	12.89	129.07	111.54
1	A	919	MET	N-CA-C	-12.87	96.67	112.38
1	D	669	MET	N-CA-C	-12.85	90.98	109.62
1	D	919	MET	N-CA-C	-12.85	96.71	112.38
1	D	1069	ILE	CA-C-N	12.79	135.82	119.84
1	D	1069	ILE	C-N-CA	12.79	135.82	119.84
1	D	1130	CYS	N-CA-C	12.78	130.79	114.31
1	A	615	SER	N-CA-C	-12.78	89.72	109.52
1	D	516	GLU	N-CA-C	12.77	128.99	113.41
2	C	457	SER	N-CA-C	12.72	128.99	110.42
1	D	248	GLU	O-C-N	12.71	139.50	122.59
1	A	741	ASP	N-CA-C	-12.69	90.69	110.36
1	A	1231	LEU	N-CA-C	12.59	124.86	108.24
2	B	271	SER	N-CA-C	-12.58	97.44	112.92
1	A	220	TRP	N-CA-C	12.53	126.89	108.60
1	A	75	ASP	N-CA-C	-12.49	98.02	113.01
2	E	381	ILE	CA-C-N	12.49	145.40	121.54
2	E	381	ILE	C-N-CA	12.49	145.40	121.54
1	D	645	VAL	N-CA-C	12.47	135.27	109.34
1	A	259	ARG	N-CA-C	12.42	129.18	112.90
2	C	460	THR	N-CA-C	-12.42	84.35	110.80
1	D	737	GLY	N-CA-C	-12.40	87.03	112.34
1	A	120	LEU	CA-C-N	12.40	132.81	119.05
1	A	120	LEU	C-N-CA	12.40	132.81	119.05
2	E	382	LYS	N-CA-CB	-12.34	89.64	110.49
1	D	128	PRO	N-CA-C	12.30	125.71	110.70
1	D	206	GLY	N-CA-C	-12.28	84.07	113.18
1	D	736	ASN	N-CA-C	12.26	136.92	110.80
1	A	79	LEU	N-CA-C	-12.20	89.48	108.76
1	A	183	GLU	N-CA-C	12.20	125.06	108.23
2	F	355	GLN	N-CA-C	-12.19	96.58	111.33
1	A	435	LEU	CA-C-N	12.15	135.02	119.84
1	A	435	LEU	C-N-CA	12.15	135.02	119.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	569	HIS	CA-C-N	12.14	135.02	119.84
1	A	569	HIS	C-N-CA	12.14	135.02	119.84
1	D	881	PRO	CA-C-N	12.05	134.90	119.84
1	D	881	PRO	C-N-CA	12.05	134.90	119.84
1	A	408	GLN	N-CA-C	11.95	124.00	110.97
1	A	605	LEU	N-CA-C	11.95	131.53	113.61
1	D	1196	ASP	N-CA-C	-11.93	85.38	110.80
1	D	672	GLU	N-CA-C	-11.91	85.44	110.80
1	D	167	PRO	N-CA-C	-11.85	88.06	112.47
2	C	319	VAL	N-CA-C	-11.81	84.77	109.34
1	D	1131	ILE	N-CA-C	11.81	125.38	107.78
2	F	367	LEU	N-CA-C	-11.78	96.51	110.41
2	F	445	GLU	N-CA-C	11.78	125.77	111.40
1	A	180	PRO	N-CA-C	-11.76	97.77	113.65
1	D	1210	TYR	N-CA-C	-11.76	97.06	111.40
1	A	368	GLY	CA-C-N	-11.76	108.27	120.38
1	A	368	GLY	C-N-CA	-11.76	108.27	120.38
1	A	346	ASP	N-CA-C	11.75	128.12	107.80
1	A	1174	PRO	N-CA-C	11.69	128.54	111.13
2	F	121	PHE	N-CA-C	11.68	135.67	110.80
1	D	1173	LEU	CA-C-N	11.62	134.37	119.84
1	D	1173	LEU	C-N-CA	11.62	134.37	119.84
1	A	776	ASP	N-CA-C	-11.61	98.38	112.54
1	D	622	TYR	N-CA-C	11.59	124.67	110.41
1	D	295	MET	N-CA-C	-11.51	98.74	111.28
1	D	1179	PHE	N-CA-C	11.48	127.55	109.07
1	A	1218	LEU	N-CA-C	11.43	126.39	111.75
2	B	215	PHE	N-CA-C	11.37	124.89	108.86
1	A	238	GLN	CA-CB-CG	11.36	136.82	114.10
1	A	1212	ILE	N-CA-C	11.34	133.37	108.88
1	D	531	GLY	CA-C-N	11.32	131.08	119.76
1	D	531	GLY	C-N-CA	11.32	131.08	119.76
2	E	385	LEU	N-CA-CB	-11.29	91.41	110.49
1	D	178	TYR	N-CA-C	-11.28	86.78	110.80
1	D	951	TYR	N-CA-C	-11.27	97.59	111.11
2	C	342	LEU	N-CA-C	-11.27	86.81	110.80
1	D	1177	VAL	N-CA-C	-11.26	96.48	112.35
1	A	824	ALA	N-CA-C	-11.25	97.92	113.56
1	D	1031	GLU	N-CA-C	-11.24	97.44	112.72
1	A	609	GLY	N-CA-C	-11.23	86.56	113.18
1	A	238	GLN	N-CA-C	11.21	134.68	110.80
1	D	1028	VAL	N-CA-C	-11.15	102.19	112.90

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	907	PHE	N-CA-C	-11.15	96.28	111.55
1	A	191	GLU	N-CA-C	-11.14	99.22	112.92
1	D	773	LYS	N-CA-C	-11.13	98.91	111.82
2	F	247	THR	N-CA-C	-11.10	93.06	111.37
1	D	938	THR	N-CA-C	-11.10	93.17	109.15
1	A	392	LEU	N-CA-C	11.08	127.42	112.90
2	F	286	GLY	N-CA-C	-11.07	86.95	113.18
2	C	236	GLU	N-CA-C	10.99	126.79	110.52
2	B	310	GLU	N-CA-C	-10.96	96.44	111.56
1	A	1128	ARG	N-CA-C	10.95	122.41	107.73
1	D	932	HIS	N-CA-C	-10.94	98.23	111.69
1	D	77	GLN	N-CA-C	10.94	126.42	113.18
1	A	912	GLY	N-CA-C	10.92	131.76	112.53
1	A	565	HIS	N-CA-C	-10.89	99.37	111.14
1	A	130	LEU	N-CA-C	10.89	127.14	109.72
1	D	657	ARG	N-CA-C	10.88	125.08	111.69
1	A	1198	LYS	N-CA-C	-10.88	94.18	110.28
2	F	460	THR	N-CA-C	-10.88	87.64	110.80
1	A	1142	ARG	N-CA-C	-10.84	97.08	110.41
2	E	438	LEU	N-CA-C	-10.83	99.45	111.14
2	F	236	GLU	N-CA-C	10.80	126.45	110.46
1	D	653	GLU	N-CA-C	-10.80	98.15	111.11
2	C	418	LEU	N-CA-C	-10.79	99.21	110.97
1	A	209	PRO	N-CA-C	10.78	127.20	111.13
1	D	402	ALA	N-CA-C	-10.78	98.17	111.11
1	D	1011	PRO	N-CA-C	-10.77	101.27	114.20
1	D	71	HIS	N-CA-C	10.75	125.40	110.24
1	D	233	TYR	N-CA-C	10.71	130.10	113.28
1	A	846	THR	N-CA-C	-10.68	94.75	110.23
1	A	810	SER	N-CA-C	10.66	122.90	111.28
1	D	787	SER	N-CA-C	-10.65	88.11	110.80
1	A	1067	SER	N-CA-C	10.65	126.06	113.18
1	D	214	ALA	N-CA-C	10.63	121.90	108.19
1	A	187	VAL	N-CA-C	-10.62	97.33	113.16
1	D	528	GLU	N-CA-C	10.62	125.24	109.95
1	D	532	PRO	N-CA-C	10.62	127.86	111.19
1	D	1231	LEU	N-CA-C	10.55	123.31	108.74
2	C	456	ARG	N-CA-C	10.54	133.26	110.80
1	A	523	ASP	N-CA-C	-10.54	87.13	108.21
1	D	616	GLU	N-CA-C	10.51	126.07	110.30
1	A	1146	ARG	N-CA-C	-10.50	100.60	113.41
1	D	238	GLN	N-CA-C	10.49	124.38	110.53

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	390	GLY	N-CA-C	10.48	133.72	112.34
1	A	518	ALA	N-CA-C	10.47	126.94	111.02
2	F	468	ILE	N-CA-C	10.47	121.35	110.36
1	D	279	ARG	N-CA-C	10.45	133.07	110.80
2	E	312	LEU	N-CA-C	-10.45	99.89	111.28
1	A	894	GLN	N-CA-C	-10.44	98.38	111.75
1	D	850	ILE	N-CA-C	-10.43	98.01	111.05
2	B	340	GLY	N-CA-C	-10.42	88.49	113.18
1	A	1004	LEU	N-CA-C	-10.39	99.76	111.71
1	D	1027	LYS	N-CA-C	10.38	132.91	110.80
1	D	359	VAL	CB-CA-C	-10.37	97.03	111.65
2	E	325	ARG	N-CA-C	10.36	125.08	108.41
1	D	249	VAL	N-CA-C	10.35	131.23	108.88
1	A	440	ASN	N-CA-C	10.34	123.61	111.71
1	D	230	GLU	N-CA-C	10.29	122.08	111.07
2	F	375	HIS	N-CA-C	-10.25	97.82	109.60
1	D	533	CYS	N-CA-C	-10.24	88.98	110.80
2	F	467	HIS	N-CA-C	-10.24	95.38	110.23
1	D	581	ASP	N-CA-C	10.22	125.91	108.02
1	A	951	TYR	N-CA-C	-10.22	94.61	111.37
1	D	1207	GLU	N-CA-C	10.20	122.08	110.97
2	F	390	GLY	N-CA-C	10.20	133.14	112.34
1	A	131	TYR	N-CA-C	10.18	127.13	111.56
2	F	342	LEU	N-CA-C	-10.16	89.16	110.80
1	D	1237	PRO	N-CA-C	10.15	130.23	113.78
1	A	1205	GLY	N-CA-C	-10.04	89.37	113.18
1	A	172	ALA	N-CA-C	10.00	125.66	108.76
1	A	601	LYS	N-CA-C	-9.98	100.40	111.28
2	E	334	CYS	N-CA-C	9.96	124.29	110.35
1	D	416	GLU	N-CA-C	-9.95	101.76	113.21
1	D	1050	LYS	N-CA-C	-9.95	99.69	112.23
1	D	911	HIS	N-CA-C	-9.95	100.44	111.28
1	A	188	ALA	N-CA-C	9.93	131.95	110.80
1	A	782	GLY	CA-C-N	9.92	129.29	118.97
1	A	782	GLY	C-N-CA	9.92	129.29	118.97
1	A	121	PRO	N-CA-C	9.92	127.31	113.53
2	F	332	VAL	CA-C-N	9.89	129.99	119.90
2	F	332	VAL	C-N-CA	9.89	129.99	119.90
1	D	1129	PHE	N-CA-C	9.84	121.66	108.38
1	A	1210	TYR	N-CA-C	9.83	131.74	110.80
1	D	472	GLN	N-CA-C	9.83	121.94	111.03
1	D	1142	ARG	N-CA-C	-9.81	96.41	110.24

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	E	434	GLU	N-CA-C	-9.78	99.47	111.40
1	A	417	ARG	N-CA-C	-9.78	101.35	113.18
1	A	447	GLU	N-CA-C	-9.77	100.71	111.36
2	C	285	LYS	N-CA-C	9.77	123.43	110.53
1	A	915	ALA	N-CA-C	-9.76	90.02	110.80
2	E	381	ILE	CA-C-O	9.74	132.96	120.78
1	D	526	ASP	N-CA-C	9.74	123.11	108.31
1	D	1038	TRP	N-CA-C	9.74	131.55	110.80
2	B	260	LEU	N-CA-C	-9.71	95.35	111.37
2	F	133	HIS	N-CA-C	9.71	131.47	110.80
1	A	781	ALA	N-CA-C	9.68	124.12	109.41
2	C	396	ARG	N-CA-C	-9.67	100.58	111.71
1	D	417	ARG	N-CA-C	-9.67	102.09	113.21
1	D	351	SER	CA-C-O	-9.67	108.54	119.95
2	C	367	LEU	N-CA-C	-9.67	98.76	111.71
1	D	1013	ASP	N-CA-C	9.66	124.73	111.39
1	A	1173	LEU	CA-C-N	9.65	130.07	120.52
1	A	1173	LEU	C-N-CA	9.65	130.07	120.52
1	A	1033	ALA	N-CA-C	-9.62	101.69	112.57
2	C	129	ASP	N-CA-C	9.62	125.52	111.96
1	D	1236	GLN	N-CA-C	9.61	131.05	109.81
2	F	459	ASP	N-CA-C	9.61	125.22	109.95
2	B	394	GLU	N-CA-C	9.60	122.95	111.33
1	A	316	LYS	N-CA-C	9.59	121.33	111.07
2	C	332	VAL	CA-C-N	9.59	129.67	119.89
2	C	332	VAL	C-N-CA	9.59	129.67	119.89
1	D	922	GLN	N-CA-C	9.58	131.21	110.80
1	D	574	ARG	N-CA-C	9.57	124.00	111.75
1	A	528	GLU	N-CA-C	9.56	124.58	111.39
1	D	177	ARG	N-CA-C	9.54	131.12	110.80
2	C	468	ILE	N-CA-C	9.53	121.48	110.62
1	D	257	THR	N-CA-C	9.52	125.29	111.87
1	A	291	PHE	N-CA-C	9.51	123.14	108.30
1	D	523	ASP	N-CA-C	-9.48	88.85	109.81
1	D	180	PRO	N-CA-C	-9.48	92.94	112.47
1	A	563	PRO	N-CA-C	9.47	125.69	113.86
2	C	304	TRP	N-CA-C	9.44	123.30	110.55
2	E	381	ILE	O-C-N	9.43	134.36	122.57
1	A	1069	ILE	CA-C-N	9.42	131.61	119.84
1	A	1069	ILE	C-N-CA	9.42	131.61	119.84
2	F	74	GLN	N-CA-C	-9.42	99.91	111.40
1	A	373	PRO	N-CA-C	-9.40	101.26	113.57

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	F	474	PHE	N-CA-C	-9.39	99.39	112.45
1	D	737	GLY	CA-C-N	9.37	129.49	120.31
1	D	737	GLY	C-N-CA	9.37	129.49	120.31
2	F	209	ALA	N-CA-C	9.36	121.08	107.88
1	D	1144	GLU	N-CA-C	-9.36	98.90	110.41
2	F	225	ARG	N-CA-C	9.35	122.53	108.31
1	D	537	GLU	N-CA-C	9.32	126.76	111.37
1	A	581	ASP	N-CA-C	9.32	125.64	107.57
2	C	204	LEU	N-CA-C	9.31	130.39	109.81
1	A	572	TRP	N-CA-C	9.30	124.07	111.24
2	F	120	VAL	N-CA-C	9.28	128.65	109.34
1	D	728	THR	N-CA-C	-9.28	91.04	110.80
1	A	932	HIS	N-CA-C	-9.24	100.15	111.33
1	D	575	LYS	N-CA-C	-9.22	97.81	110.35
2	C	74	GLN	N-CA-C	-9.20	100.81	111.03
1	A	872	SER	N-CA-C	-9.20	91.21	110.80
1	A	113	TRP	N-CA-C	9.19	122.38	110.53
1	A	203	LEU	N-CA-C	-9.18	102.00	113.02
2	F	318	ASN	CA-C-N	9.17	138.48	121.97
2	F	318	ASN	C-N-CA	9.17	138.48	121.97
1	A	238	GLN	O-C-N	9.14	134.75	122.59
2	C	77	HIS	N-CA-C	9.14	124.06	111.17
1	A	162	LEU	CA-C-N	9.14	129.79	120.38
1	A	162	LEU	C-N-CA	9.14	129.79	120.38
1	D	973	LEU	N-CA-C	-9.11	101.26	112.38
1	A	1204	THR	N-CA-C	9.10	126.31	109.56
1	A	1236	GLN	N-CA-C	9.10	129.93	109.81
1	D	729	GLN	CA-C-N	9.08	131.19	119.84
1	D	729	GLN	C-N-CA	9.08	131.19	119.84
1	D	270	ASN	N-CA-C	9.07	123.13	109.25
1	A	1036	SER	N-CA-C	9.07	123.83	109.50
1	D	1236	GLN	CA-C-N	9.05	128.66	119.24
1	D	1236	GLN	C-N-CA	9.05	128.66	119.24
1	D	1072	THR	CA-C-N	9.04	131.14	119.84
1	D	1072	THR	C-N-CA	9.04	131.14	119.84
1	A	1051	GLY	N-CA-C	9.03	124.33	112.77
1	D	1015	THR	N-CA-C	9.03	130.03	110.80
1	D	999	ASP	N-CA-C	9.02	124.49	112.13
1	D	453	GLU	N-CA-C	-9.02	101.14	110.97
1	A	923	GLY	N-CA-C	-9.01	91.83	113.18
2	C	428	LEU	N-CA-C	-9.01	101.03	111.03
1	D	588	GLY	CA-C-N	9.00	131.09	119.84

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	588	GLY	C-N-CA	9.00	131.09	119.84
2	C	335	VAL	CB-CA-C	-9.00	99.21	111.63
1	D	917	GLY	N-CA-C	-8.99	101.26	112.77
2	E	262	TRP	N-CA-C	8.99	120.85	111.14
1	A	782	GLY	N-CA-C	-8.98	94.01	112.34
1	A	595	GLN	N-CA-C	-8.98	101.41	111.82
2	C	339	ASN	N-CA-C	-8.98	97.58	110.24
1	D	1069	ILE	N-CA-C	-8.96	89.53	108.88
1	D	1053	THR	N-CA-C	-8.93	101.23	110.97
1	A	1207	GLU	N-CA-C	-8.92	91.80	110.80
1	A	1064	ILE	N-CA-C	8.91	120.95	108.12
1	A	641	GLU	N-CA-C	8.89	121.05	111.36
1	D	166	PRO	CA-C-N	8.89	130.95	119.84
1	D	166	PRO	C-N-CA	8.89	130.95	119.84
1	A	1208	ARG	N-CA-C	-8.88	91.88	110.80
1	A	1012	VAL	N-CA-C	8.87	121.67	108.46
2	C	209	ALA	N-CA-C	8.86	121.54	108.60
2	B	76	ARG	N-CA-C	-8.85	99.79	111.74
2	F	269	SER	CA-C-N	8.85	128.49	119.82
2	F	269	SER	C-N-CA	8.85	128.49	119.82
1	D	286	GLY	N-CA-C	-8.84	93.94	110.83
2	C	320	SER	N-CA-C	8.84	129.62	110.80
1	D	1199	THR	N-CA-C	-8.83	97.90	110.08
2	E	381	ILE	N-CA-C	-8.83	90.98	109.34
1	D	732	TYR	N-CA-C	-8.82	99.17	111.52
2	F	457	SER	N-CA-C	8.80	129.55	110.80
2	B	121	PHE	N-CA-C	8.80	125.89	111.37
1	A	272	SER	N-CA-C	8.79	121.67	110.33
1	D	633	LYS	N-CA-C	8.79	129.53	110.80
1	D	165	LYS	CA-C-N	-8.78	111.33	120.38
1	D	165	LYS	C-N-CA	-8.78	111.33	120.38
1	D	775	GLU	N-CA-C	-8.78	96.50	109.15
1	A	733	HIS	N-CA-C	8.78	123.35	109.39
1	A	926	SER	N-CA-C	-8.78	101.29	111.03
1	D	509	THR	N-CA-C	-8.75	98.97	110.43
1	A	122	ASP	N-CA-C	8.75	129.43	110.80
1	D	768	LYS	N-CA-C	-8.74	92.18	110.80
2	C	474	PHE	N-CA-C	-8.74	102.75	113.41
1	D	351	SER	O-C-N	8.73	132.99	122.26
1	D	248	GLU	CA-C-N	8.72	138.27	122.13
1	D	248	GLU	C-N-CA	8.72	138.27	122.13
2	B	118	VAL	N-CA-C	-8.72	104.80	112.12

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	710	ALA	N-CA-C	8.71	129.35	110.80
2	F	139	LEU	N-CA-C	8.70	129.03	109.81
2	C	372	LEU	N-CA-C	-8.69	97.99	110.59
2	B	427	GLN	N-CA-C	-8.69	102.43	113.72
2	F	134	LYS	N-CA-C	8.66	128.94	109.81
1	D	834	GLU	N-CA-C	-8.65	100.74	112.94
2	C	375	HIS	N-CA-C	-8.65	97.82	109.84
1	D	1180	PHE	N-CA-C	8.63	129.19	110.80
1	D	364	VAL	N-CA-C	8.62	127.28	109.34
2	C	467	HIS	N-CA-C	-8.62	97.26	110.10
1	A	231	GLU	N-CA-C	8.61	129.13	110.80
1	D	135	LEU	N-CA-C	-8.60	100.92	111.33
2	F	75	ARG	N-CA-C	-8.59	99.45	110.53
2	C	133	HIS	N-CA-C	8.57	129.05	110.80
1	D	526	ASP	CB-CA-C	-8.56	106.70	116.54
1	D	162	LEU	N-CA-C	8.55	124.08	108.69
1	D	744	ILE	N-CA-C	8.54	127.33	108.88
2	F	311	LEU	N-CA-C	-8.53	101.94	111.07
1	A	258	GLN	N-CA-C	-8.53	92.64	110.80
1	A	745	PRO	CA-C-N	-8.51	116.31	122.18
1	A	745	PRO	C-N-CA	-8.51	116.31	122.18
1	D	735	GLY	N-CA-C	8.51	133.35	113.18
2	F	196	CYS	N-CA-C	-8.50	102.09	111.36
2	C	178	SER	N-CA-C	8.49	128.89	110.80
1	D	91	GLY	N-CA-C	8.47	122.33	112.50
2	E	280	ASP	N-CA-C	8.47	128.84	110.80
1	D	198	ASP	N-CA-C	-8.46	96.87	110.32
1	A	294	THR	N-CA-C	-8.44	103.12	113.50
1	A	1232	GLU	N-CA-C	-8.44	92.82	110.80
1	D	383	LYS	N-CA-C	8.43	120.09	111.07
2	E	385	LEU	CA-C-N	-8.42	107.09	120.81
2	E	385	LEU	C-N-CA	-8.42	107.09	120.81
1	D	605	LEU	CA-C-N	-8.41	107.97	123.03
1	D	605	LEU	C-N-CA	-8.41	107.97	123.03
1	A	1206	MET	N-CA-C	8.40	128.70	110.80
1	D	759	SER	N-CA-C	8.40	128.70	110.80
1	A	202	CYS	N-CA-C	8.40	121.61	110.53
1	A	238	GLN	CA-C-N	8.38	137.55	121.54
1	A	238	GLN	C-N-CA	8.38	137.55	121.54
1	D	241	PRO	N-CA-C	-8.37	105.97	114.68
1	A	163	PRO	N-CA-C	8.37	120.92	110.70
1	A	223	TRP	N-CA-C	8.35	122.82	113.21

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	1125	ILE	N-CA-C	8.35	126.70	109.34
1	A	999	ASP	N-CA-C	8.34	123.56	107.71
2	C	447	THR	N-CA-C	-8.33	100.16	110.41
1	D	734	HIS	N-CA-C	-8.33	95.16	108.73
1	D	562	ARG	CA-C-N	8.31	130.23	119.84
1	D	562	ARG	C-N-CA	8.31	130.23	119.84
1	D	1052	GLY	N-CA-C	-8.31	101.39	113.86
1	A	119	PRO	N-CA-C	8.28	124.18	111.34
2	C	222	LYS	N-CA-C	8.28	122.94	109.94
2	F	178	SER	N-CA-C	8.28	128.44	110.80
1	D	284	ILE	N-CA-C	-8.28	101.18	110.62
1	A	535	GLU	N-CA-C	8.27	120.67	108.60
1	D	414	PHE	N-CA-C	-8.26	102.47	112.54
1	D	1020	ILE	N-CA-C	8.26	126.52	109.34
1	D	195	LEU	N-CA-C	8.25	120.49	108.86
1	A	279	ARG	N-CA-C	-8.24	103.25	113.38
1	A	1010	LEU	CA-C-N	-8.23	110.93	120.89
1	A	1010	LEU	C-N-CA	-8.23	110.93	120.89
1	A	532	PRO	N-CA-C	8.22	124.44	111.38
1	D	826	ILE	N-CA-C	-8.21	102.82	110.53
1	D	912	GLY	N-CA-C	8.17	132.54	113.18
1	A	1216	GLU	N-CA-C	8.16	120.45	110.41
1	D	795	ASN	N-CA-C	-8.16	102.34	111.07
1	D	582	ASP	CA-C-N	8.14	128.45	119.90
1	D	582	ASP	C-N-CA	8.14	128.45	119.90
1	A	1127	GLY	N-CA-C	8.14	132.47	113.18
1	A	374	ARG	N-CA-C	-8.14	98.42	110.46
2	B	420	THR	N-CA-C	8.14	122.57	113.21
1	A	1147	TYR	N-CA-C	-8.14	101.68	111.69
2	F	299	LEU	N-CA-C	8.12	128.10	110.80
2	F	397	GLN	N-CA-C	-8.12	102.43	111.28
1	D	1178	ALA	N-CA-C	-8.12	102.51	111.36
2	B	286	GLY	N-CA-C	-8.10	93.98	113.18
1	A	734	HIS	N-CA-C	-8.10	101.39	111.75
1	D	116	PRO	N-CA-C	-8.10	95.79	112.47
1	A	233	TYR	N-CA-C	8.08	128.02	110.80
1	D	825	VAL	N-CA-C	-8.08	102.83	110.42
1	A	419	PRO	N-CA-C	8.08	129.11	112.47
2	B	309	HIS	N-CA-C	8.08	128.00	110.80
1	D	74	LEU	N-CA-C	8.06	125.21	108.53
2	E	426	GLU	N-CA-C	8.06	123.24	113.41
1	A	1212	ILE	C-N-CD	-8.04	92.03	125.00

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	1024	ASP	N-CA-C	8.04	127.92	110.80
2	F	452	LEU	N-CA-C	-8.03	93.69	110.80
2	C	134	LYS	N-CA-C	8.03	127.56	109.81
2	F	447	THR	N-CA-C	-8.03	102.48	111.71
1	A	1015	THR	N-CA-C	8.02	118.56	108.45
1	A	1234	ARG	N-CA-C	8.01	121.17	111.40
1	D	193	ARG	N-CA-C	-8.01	93.73	110.80
1	D	996	ARG	N-CA-C	7.99	121.91	109.52
2	F	202	LYS	N-CA-C	-7.97	100.76	113.28
1	A	972	ARG	N-CA-C	7.96	122.81	113.18
1	A	192	GLU	N-CA-C	7.96	120.96	111.33
1	D	491	ASP	N-CA-C	7.95	122.55	113.01
2	C	281	GLU	N-CA-C	-7.95	103.69	113.15
1	A	349	ASP	N-CA-C	-7.95	93.88	110.80
1	A	182	GLY	N-CA-C	7.93	131.98	113.18
1	D	245	ILE	CA-C-N	-7.93	109.92	119.84
1	D	245	ILE	C-N-CA	-7.93	109.92	119.84
1	A	658	LYS	N-CA-C	-7.90	93.97	110.80
1	D	191	GLU	N-CA-C	-7.89	102.48	113.37
2	C	299	LEU	N-CA-C	7.88	127.59	110.80
1	A	1106	VAL	N-CA-C	-7.88	103.18	110.82
2	B	281	GLU	O-C-N	7.87	133.06	122.59
1	A	132	GLY	N-CA-C	7.86	131.81	113.18
1	D	559	LEU	CA-CB-CG	7.86	143.80	116.30
1	A	1006	ARG	N-CA-C	-7.85	101.69	111.11
1	A	497	GLN	N-CA-C	7.82	120.50	111.11
1	D	352	SER	CA-C-O	7.82	131.70	120.51
1	D	623	LEU	N-CA-C	7.80	123.32	112.72
1	D	669	MET	CA-C-N	-7.79	108.31	127.00
1	D	669	MET	C-N-CA	-7.79	108.31	127.00
1	D	515	ILE	N-CA-C	7.78	125.53	109.34
1	A	551	LYS	N-CA-C	-7.78	102.50	110.97
1	A	214	ALA	N-CA-C	7.77	122.21	109.24
1	D	166	PRO	N-CA-C	-7.77	101.22	110.70
1	D	362	LEU	N-CA-C	7.76	123.07	112.90
2	C	350	LEU	N-CA-C	-7.76	101.82	111.75
1	A	1047	ARG	N-CA-C	-7.75	102.83	111.82
2	F	281	GLU	N-CA-C	-7.75	103.92	113.15
1	A	520	ALA	CA-C-N	7.74	129.51	119.84
1	A	520	ALA	C-N-CA	7.74	129.51	119.84
2	C	128	VAL	CA-C-N	-7.72	110.45	122.42
2	C	128	VAL	C-N-CA	-7.72	110.45	122.42

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	671	GLN	CA-C-N	7.72	136.29	121.54
1	D	671	GLN	C-N-CA	7.72	136.29	121.54
1	D	601	LYS	N-CA-C	-7.72	103.66	113.23
1	D	192	GLU	N-CA-C	7.72	127.24	110.80
1	D	568	GLY	N-CA-C	-7.71	94.89	113.18
1	D	579	ARG	N-CA-C	-7.71	94.37	110.80
1	D	648	PRO	N-CA-C	-7.70	96.61	112.47
1	D	644	GLY	N-CA-C	-7.70	94.94	113.18
1	D	830	ASP	N-CA-C	-7.69	97.91	109.83
2	F	119	VAL	N-CA-C	7.69	118.47	110.62
1	D	1067	SER	N-CA-C	-7.68	95.81	108.49
2	F	345	GLY	N-CA-C	-7.68	103.34	112.64
1	D	729	GLN	N-CA-C	7.67	122.71	109.06
1	A	177	ARG	N-CA-CB	-7.63	106.47	114.10
1	D	906	HIS	N-CA-C	7.63	120.67	111.82
1	A	1193	VAL	N-CA-C	7.63	125.20	109.34
1	D	1003	TRP	N-CA-C	-7.61	102.13	111.33
1	A	735	GLY	N-CA-C	7.59	131.18	113.18
2	F	372	LEU	N-CA-C	-7.57	98.68	110.42
1	D	936	ALA	N-CA-C	-7.56	101.94	112.45
1	D	639	THR	N-CA-C	-7.56	102.71	112.23
2	E	255	TRP	N-CA-C	-7.55	103.02	111.71
2	C	139	LEU	N-CA-C	7.53	126.44	109.81
1	A	881	PRO	CA-C-N	7.52	129.24	119.84
1	A	881	PRO	C-N-CA	7.52	129.24	119.84
1	A	472	GLN	N-CA-C	7.51	119.25	111.14
1	A	1025	LEU	CA-CB-CG	-7.51	90.01	116.30
1	D	1168	LEU	N-CA-C	-7.50	104.53	112.93
1	A	251	THR	N-CA-C	7.49	119.34	111.03
1	D	128	PRO	CA-C-N	-7.49	112.00	119.56
1	D	128	PRO	C-N-CA	-7.49	112.00	119.56
1	A	1171	ASN	N-CA-C	7.49	126.75	110.80
1	A	620	TRP	N-CA-C	7.48	121.93	108.69
1	A	827	ARG	N-CA-C	7.48	119.12	110.97
1	D	207	THR	N-CA-C	-7.48	104.05	113.02
2	E	281	GLU	N-CA-C	-7.48	94.88	110.80
2	F	417	TYR	N-CA-C	-7.48	103.07	111.07
1	D	785	GLY	N-CA-C	7.46	124.45	112.06
1	D	357	ALA	CA-C-N	-7.45	104.08	121.52
1	D	357	ALA	C-N-CA	-7.45	104.08	121.52
1	D	859	TRP	N-CA-C	7.45	122.66	112.90
2	E	428	LEU	N-CA-C	-7.45	102.53	111.69

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	1124	ALA	N-CA-C	-7.43	103.26	112.47
1	A	730	PRO	N-CA-C	-7.43	103.45	113.40
2	F	450	ASN	N-CA-C	-7.43	94.98	110.80
1	A	872	SER	CA-C-N	7.41	135.70	121.54
1	A	872	SER	C-N-CA	7.41	135.70	121.54
1	D	1051	GLY	N-CA-C	-7.41	102.95	115.62
1	A	370	PRO	N-CA-C	-7.41	98.95	110.95
1	D	735	GLY	CA-C-N	7.41	135.69	121.54
1	D	735	GLY	C-N-CA	7.41	135.69	121.54
2	E	333	PRO	N-CA-C	7.40	122.16	111.13
1	A	1050	LYS	N-CA-C	7.40	121.56	112.54
2	B	267	ALA	N-CA-C	7.40	126.56	110.80
1	D	1057	MET	N-CA-C	-7.39	104.39	113.41
2	C	269	SER	CA-C-N	7.38	129.06	119.84
2	C	269	SER	C-N-CA	7.38	129.06	119.84
2	C	252	LEU	N-CA-C	-7.37	102.85	111.03
1	A	242	ALA	N-CA-C	-7.37	103.19	111.07
1	A	1028	VAL	CB-CA-C	-7.37	102.05	112.22
1	A	783	PRO	N-CA-C	7.36	124.00	113.47
1	A	383	LYS	N-CA-C	-7.35	95.14	110.80
1	A	751	LYS	N-CA-C	7.35	121.15	110.42
1	A	1211	GLY	N-CA-C	-7.34	95.78	113.18
1	A	775	GLU	N-CA-C	-7.32	103.24	111.14
1	D	1179	PHE	CA-C-N	7.31	135.51	121.54
1	D	1179	PHE	C-N-CA	7.31	135.51	121.54
2	F	249	ASN	N-CA-C	-7.30	103.26	111.07
1	D	1208	ARG	N-CA-C	-7.30	102.12	111.02
2	C	302	THR	N-CA-C	7.30	126.34	110.80
1	D	133	ASP	N-CA-C	-7.30	103.04	112.23
1	A	859	TRP	N-CA-C	7.29	121.41	112.23
1	A	997	LEU	N-CA-C	-7.28	98.19	108.23
1	D	187	VAL	N-CA-C	7.28	119.08	107.73
1	D	646	VAL	N-CA-C	7.27	124.47	109.34
2	C	101	PRO	N-CA-C	-7.27	103.43	113.53
2	B	119	VAL	N-CA-C	7.26	117.39	110.42
2	F	350	LEU	N-CA-C	-7.24	102.48	111.75
1	A	245	ILE	CA-C-N	-7.24	112.41	120.45
1	A	245	ILE	C-N-CA	-7.24	112.41	120.45
1	A	628	ARG	N-CA-C	-7.24	95.38	110.80
2	E	453	ILE	N-CA-C	7.23	119.36	108.80
1	D	953	ARG	N-CA-C	-7.23	102.43	111.11
1	A	255	SER	N-CA-C	7.23	125.79	109.81

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	660	CYS	N-CA-C	7.22	126.19	110.80
1	D	261	TRP	N-CA-C	7.21	120.67	109.07
1	A	737	GLY	N-CA-C	7.21	127.04	112.34
1	D	479	TYR	N-CA-C	7.20	120.14	110.35
1	D	841	LEU	CA-C-N	7.20	128.84	119.84
1	D	841	LEU	C-N-CA	7.20	128.84	119.84
1	A	148	LEU	N-CA-C	7.19	122.26	112.55
1	D	499	LYS	N-CA-C	-7.19	101.93	110.41
2	C	433	ASP	N-CA-C	-7.19	103.52	111.36
1	A	995	TYR	N-CA-C	7.18	122.24	112.68
1	A	213	VAL	N-CA-C	7.18	118.98	109.21
2	C	469	SER	N-CA-C	7.18	126.09	110.80
2	B	341	ASP	N-CA-C	7.17	120.92	109.24
1	D	420	HIS	N-CA-C	7.16	120.92	108.82
1	D	585	TRP	N-CA-C	7.15	121.48	109.76
1	A	215	ILE	N-CA-C	7.14	124.19	109.34
2	C	286	GLY	N-CA-C	-7.14	96.26	113.18
2	E	458	ARG	N-CA-C	7.14	122.17	112.68
1	A	1179	PHE	N-CA-C	7.13	121.33	111.55
1	A	348	LEU	N-CA-C	-7.13	95.61	110.80
1	D	349	ASP	N-CA-C	-7.13	98.99	109.11
1	D	1058	PHE	N-CA-C	-7.11	102.72	111.33
1	A	72	ASN	N-CA-C	-7.11	94.11	109.81
1	A	1214	GLN	N-CA-C	7.09	125.90	110.80
1	D	1135	ASP	CA-C-N	-7.09	111.57	122.62
1	D	1135	ASP	C-N-CA	-7.09	111.57	122.62
1	D	316	LYS	N-CA-C	7.08	118.65	111.07
1	A	92	GLY	N-CA-C	-7.08	96.41	113.18
1	A	232	ARG	CA-C-N	7.06	135.03	121.54
1	A	232	ARG	C-N-CA	7.06	135.03	121.54
1	A	606	THR	CB-CA-C	-7.04	97.62	109.53
1	D	1070	PRO	CA-N-CD	-7.04	102.14	112.00
1	D	353	VAL	N-CA-C	7.03	123.97	109.34
2	F	280	ASP	N-CA-C	7.03	125.77	110.80
1	A	1237	PRO	N-CA-C	7.01	122.53	111.38
1	A	914	THR	N-CA-C	-7.01	100.53	110.35
2	B	466	MET	N-CA-C	7.01	119.18	108.52
1	D	250	PRO	N-CA-C	-7.01	104.39	113.57
1	A	424	LEU	N-CA-C	7.00	118.56	111.07
1	A	282	TYR	N-CA-C	-7.00	99.29	110.14
1	A	850	ILE	N-CA-C	-7.00	102.73	113.16
1	D	231	GLU	CA-C-N	7.00	132.76	122.82

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	231	GLU	C-N-CA	7.00	132.76	122.82
2	C	470	LYS	CA-C-N	7.00	129.98	120.54
2	C	470	LYS	C-N-CA	7.00	129.98	120.54
1	D	186	PRO	N-CA-C	-6.99	100.95	111.57
1	A	1126	ASP	CB-CA-C	-6.99	107.73	117.23
2	C	196	CYS	N-CA-C	-6.99	103.68	111.71
2	B	311	LEU	N-CA-C	-6.98	95.93	110.80
2	C	120	VAL	N-CA-C	6.98	123.86	109.34
1	D	571	GLY	N-CA-C	6.96	120.28	110.74
1	D	1072	THR	N-CA-C	6.95	125.17	109.81
2	E	430	SER	N-CA-C	-6.94	102.86	111.75
2	F	425	LEU	N-CA-C	6.94	122.83	111.37
2	F	131	LEU	N-CA-C	6.94	120.16	108.02
1	D	1171	ASN	N-CA-C	6.94	125.57	110.80
1	D	221	TYR	N-CA-C	6.93	125.57	110.80
2	C	434	GLU	N-CA-C	-6.93	104.69	113.01
2	F	208	LEU	CA-CB-CG	-6.93	92.05	116.30
2	F	477	LYS	N-CA-C	-6.93	103.42	110.97
1	D	751	LYS	N-CA-C	6.92	120.00	110.24
1	A	161	GLN	N-CA-C	6.92	122.07	112.45
1	D	510	ALA	N-CA-C	-6.91	96.09	110.80
1	D	1059	ASN	N-CA-C	6.89	119.07	109.15
2	F	433	ASP	N-CA-C	-6.89	103.70	111.07
2	C	283	GLY	N-CA-C	-6.89	106.67	115.42
2	F	446	THR	N-CA-C	-6.88	104.61	112.87
2	C	361	PHE	N-CA-C	-6.87	105.05	113.50
1	A	531	GLY	CA-C-N	6.87	126.79	119.85
1	A	531	GLY	C-N-CA	6.87	126.79	119.85
2	F	318	ASN	O-C-N	6.85	129.38	122.12
2	F	179	GLY	N-CA-C	6.85	120.62	110.42
1	A	560	PRO	N-CA-C	6.84	126.56	112.47
2	C	341	ASP	N-CA-C	-6.84	96.23	110.80
1	A	229	VAL	N-CA-C	-6.84	105.83	111.91
1	D	353	VAL	N-CA-CB	-6.83	99.96	111.23
2	E	456	ARG	N-CA-C	6.82	119.13	108.96
2	C	213	VAL	N-CA-C	6.82	118.49	109.21
1	A	503	VAL	N-CA-C	6.82	123.52	109.34
2	C	75	ARG	N-CA-C	-6.82	102.02	110.41
2	B	90	SER	N-CA-C	-6.81	103.65	112.23
1	D	212	ALA	N-CA-C	-6.80	96.31	110.80
2	B	326	ASP	N-CA-C	-6.80	103.11	111.40
1	A	828	HIS	CA-C-N	6.79	127.34	119.47

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	828	HIS	C-N-CA	6.79	127.34	119.47
1	A	873	GLU	N-CA-C	6.79	125.26	110.80
2	F	222	LYS	N-CA-C	6.78	120.58	109.94
1	A	597	ARG	N-CA-C	-6.77	101.44	110.24
1	D	127	LEU	CA-C-N	6.77	127.35	120.38
1	D	127	LEU	C-N-CA	6.77	127.35	120.38
1	D	411	LEU	CA-C-N	-6.76	111.39	119.84
1	D	411	LEU	C-N-CA	-6.76	111.39	119.84
1	A	394	GLN	N-CA-C	-6.75	104.00	111.36
2	B	446	THR	N-CA-C	-6.75	104.02	113.20
2	C	119	VAL	N-CA-C	6.75	117.54	110.72
1	A	1126	ASP	N-CA-C	6.75	119.94	108.67
1	A	82	GLY	N-CA-C	-6.75	97.19	113.18
1	D	411	LEU	N-CA-C	6.74	124.71	109.81
1	A	929	THR	N-CA-C	-6.74	103.96	111.71
2	C	346	MET	N-CA-C	-6.73	103.86	111.07
2	F	454	HIS	N-CA-C	-6.73	105.22	113.50
2	F	101	PRO	N-CA-C	-6.72	104.58	113.65
1	A	369	PRO	CA-C-N	-6.72	112.19	119.98
1	A	369	PRO	C-N-CA	-6.72	112.19	119.98
2	E	429	TYR	N-CA-C	-6.72	103.96	111.28
2	C	448	LEU	CA-CB-CG	6.71	139.80	116.30
1	D	445	LEU	N-CA-C	-6.71	103.16	111.75
2	B	256	LEU	N-CA-C	-6.71	102.84	111.02
1	D	577	CYS	CA-C-N	-6.71	111.46	119.84
1	D	577	CYS	C-N-CA	-6.71	111.46	119.84
2	F	448	LEU	N-CA-C	-6.71	104.72	113.17
1	D	548	CYS	N-CA-C	-6.70	105.40	113.97
2	F	198	ASP	N-CA-C	-6.69	103.19	111.75
1	D	498	LYS	N-CA-C	6.68	125.03	110.80
1	A	509	THR	N-CA-C	6.68	119.91	110.23
1	A	224	CYS	CB-CA-C	-6.67	100.36	110.90
2	E	111	ALA	N-CA-C	6.67	118.63	111.36
1	A	127	LEU	CA-C-N	6.67	127.25	120.38
1	A	127	LEU	C-N-CA	6.67	127.25	120.38
1	A	244	LEU	N-CA-C	-6.67	105.25	113.19
2	F	426	GLU	N-CA-C	6.66	118.20	111.07
2	F	449	GLU	N-CA-C	6.66	124.99	110.80
1	A	789	PRO	N-CA-C	-6.65	103.01	113.78
1	D	502	LYS	N-CA-C	-6.64	100.45	110.28
2	F	246	ARG	N-CA-C	6.63	119.49	111.40
1	D	873	GLU	N-CA-C	6.62	121.57	112.90

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	F	62	SER	N-CA-C	-6.61	104.15	111.36
1	D	1070	PRO	CA-C-N	6.61	132.83	122.26
1	D	1070	PRO	C-N-CA	6.61	132.83	122.26
1	A	1026	ARG	N-CA-CB	-6.59	99.76	110.71
1	D	667	GLN	N-CA-C	-6.59	100.82	111.04
2	F	421	MET	N-CA-C	6.59	118.15	110.97
1	A	364	LEU	N-CA-C	6.58	123.61	113.28
2	B	280	ASP	N-CA-C	6.57	124.79	110.80
1	D	248	GLU	CA-C-O	6.57	129.90	120.51
1	D	1133	ILE	N-CA-C	-6.56	99.06	109.17
1	A	893	SER	N-CA-C	-6.56	102.88	111.74
1	D	1069	ILE	C-N-CD	-6.56	98.12	125.00
1	A	956	GLY	N-CA-C	6.56	128.72	113.18
1	D	921	LEU	N-CA-C	-6.55	104.07	111.14
2	B	460	THR	N-CA-C	-6.54	98.73	109.40
1	A	416	GLU	N-CA-C	-6.54	105.41	113.19
2	F	225	ARG	CB-CA-C	-6.53	109.03	116.54
1	A	521	PRO	N-CA-C	6.51	125.88	112.47
2	B	78	PHE	N-CA-C	-6.51	101.99	111.30
1	D	726	LYS	N-CA-CB	-6.51	107.59	114.10
1	A	74	LEU	CA-C-N	-6.51	108.30	121.18
1	A	74	LEU	C-N-CA	-6.51	108.30	121.18
1	D	356	LEU	N-CA-C	-6.50	105.97	114.04
1	A	815	TRP	N-CA-C	6.50	119.06	109.24
1	D	94	MET	CA-C-N	6.50	126.95	120.52
1	D	94	MET	C-N-CA	6.50	126.95	120.52
1	D	394	GLN	N-CA-C	-6.49	103.44	111.75
1	A	886	LEU	N-CA-C	6.49	119.37	108.02
1	D	727	ASP	N-CA-C	-6.49	96.98	110.80
1	D	1036	SER	N-CA-C	-6.48	99.07	109.96
1	D	1125	ILE	N-CA-C	6.47	117.78	109.30
2	E	381	ILE	CB-CA-C	6.47	121.90	111.29
1	D	358	GLU	N-CA-C	-6.47	105.49	113.19
2	B	280	ASP	CA-C-O	6.47	129.76	120.51
2	B	281	GLU	N-CA-C	6.46	124.57	110.80
2	B	117	SER	CA-C-N	-6.46	115.99	122.77
2	B	117	SER	C-N-CA	-6.46	115.99	122.77
2	C	138	LEU	N-CA-C	6.45	124.53	110.80
2	B	124	GLN	N-CA-C	-6.44	105.24	113.23
1	A	1201	SER	N-CA-C	-6.43	97.09	110.80
2	B	340	GLY	CA-C-N	-6.43	113.85	122.72
2	B	340	GLY	C-N-CA	-6.43	113.85	122.72

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	E	326	ASP	N-CA-C	-6.43	101.01	110.52
1	A	1026	ARG	N-CA-C	6.41	120.02	108.48
1	A	769	ASP	N-CA-C	6.41	119.38	108.67
2	C	477	LYS	N-CA-C	-6.41	103.98	110.97
2	E	120	VAL	N-CA-C	6.40	117.98	111.00
1	D	1021	SER	N-CA-C	-6.40	97.18	110.80
1	A	612	LEU	N-CA-C	-6.39	97.18	110.80
1	D	440	ASN	N-CA-C	-6.39	103.57	111.75
2	C	179	GLY	N-CA-C	6.39	121.17	110.56
1	D	955	TYR	CB-CA-C	-6.39	108.54	117.23
1	D	488	LEU	N-CA-C	6.39	117.91	111.07
1	A	94	MET	CA-C-N	6.39	126.30	119.85
1	A	94	MET	C-N-CA	6.39	126.30	119.85
1	D	971	HIS	N-CA-C	6.39	124.41	110.80
2	E	376	PRO	CA-C-N	6.38	129.70	120.38
2	E	376	PRO	C-N-CA	6.38	129.70	120.38
1	D	605	LEU	N-CA-C	6.38	122.01	113.72
2	C	208	LEU	CA-CB-CG	-6.38	93.97	116.30
1	A	950	ASN	N-CA-C	-6.38	104.25	111.14
1	D	937	THR	N-CA-C	-6.37	104.25	111.07
2	E	214	CYS	N-CA-C	-6.37	99.90	109.96
2	C	345	GLY	N-CA-C	-6.36	104.95	112.64
2	E	391	PRO	N-CA-C	-6.36	99.38	112.47
1	A	611	PRO	N-CA-C	6.35	125.56	112.47
1	D	377	PHE	N-CA-C	-6.35	105.59	113.15
1	A	899	ALA	N-CA-C	-6.33	103.67	111.33
1	D	129	PRO	N-CA-C	-6.33	105.95	113.86
2	F	469	SER	N-CA-C	6.33	124.29	110.80
1	D	969	PHE	N-CA-C	6.33	119.16	111.82
2	F	326	ASP	N-CA-C	-6.33	105.21	113.12
1	D	592	LEU	N-CA-C	6.32	119.15	111.82
1	A	137	GLN	N-CA-C	-6.32	104.39	111.28
1	D	576	LEU	N-CA-C	6.32	124.26	110.80
1	D	1202	ASN	N-CA-C	6.30	123.74	109.81
1	D	726	LYS	CB-CA-C	-6.30	103.59	109.83
1	D	946	ALA	N-CA-C	6.28	118.00	111.03
1	A	998	SER	CB-CA-C	-6.28	109.32	116.54
1	D	176	THR	CA-C-N	6.27	133.51	121.54
1	D	176	THR	C-N-CA	6.27	133.51	121.54
2	F	285	LYS	N-CA-C	6.27	124.15	110.80
2	C	459	ASP	O-C-N	6.26	130.35	122.65
2	C	371	VAL	N-CA-C	-6.26	98.86	107.75

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	1010	LEU	CA-CB-CG	-6.25	94.41	116.30
1	A	558	LEU	N-CA-C	-6.25	104.21	112.34
2	E	100	GLY	CA-C-N	6.24	127.64	119.84
2	E	100	GLY	C-N-CA	6.24	127.64	119.84
2	C	355	GLN	N-CA-C	-6.24	97.51	110.80
2	B	92	LEU	N-CA-C	-6.23	105.43	113.16
2	E	395	LEU	N-CA-C	-6.23	103.79	111.33
2	F	470	LYS	CA-C-N	6.23	128.95	120.54
2	F	470	LYS	C-N-CA	6.23	128.95	120.54
1	A	513	LEU	N-CA-C	6.23	119.34	108.75
1	A	816	LEU	CA-C-N	6.22	127.62	119.84
1	A	816	LEU	C-N-CA	6.22	127.62	119.84
1	D	130	LEU	N-CA-C	6.22	124.06	110.80
2	E	84	GLN	N-CA-C	-6.20	104.97	112.54
2	F	204	LEU	N-CA-C	6.20	123.52	109.81
1	D	301	ILE	N-CA-C	6.20	116.95	110.62
2	E	332	VAL	CA-C-N	6.20	126.66	120.52
2	E	332	VAL	C-N-CA	6.20	126.66	120.52
2	B	114	TRP	N-CA-C	-6.20	104.06	111.69
2	E	114	TRP	N-CA-C	-6.20	104.52	111.28
2	F	193	TYR	N-CA-C	6.20	118.58	111.02
2	F	434	GLU	N-CA-C	-6.20	104.29	112.34
1	D	776	ASP	N-CA-C	-6.19	97.62	110.80
1	A	971	HIS	N-CA-C	6.19	123.98	110.80
1	D	1060	LYS	N-CA-C	6.19	123.98	110.80
1	D	104	VAL	N-CA-C	6.18	116.86	110.36
1	D	617	ARG	N-CA-C	6.18	120.08	111.74
1	D	779	LEU	N-CA-C	6.18	119.02	109.07
1	A	76	ILE	N-CA-C	6.18	122.19	109.34
1	D	120	LEU	N-CA-C	6.18	123.46	109.81
1	A	229	VAL	N-CA-CB	6.17	119.61	112.39
1	D	253	ALA	N-CA-C	-6.16	100.39	113.20
2	B	285	LYS	N-CA-C	6.16	123.92	110.80
1	A	892	ASP	N-CA-C	6.16	118.21	108.67
2	C	280	ASP	N-CA-C	6.15	123.91	110.80
2	B	116	THR	N-CA-C	-6.15	103.30	111.24
1	A	740	ASN	N-CA-C	-6.15	97.70	110.80
2	B	329	LYS	N-CA-C	6.15	118.97	109.07
1	D	1073	PRO	N-CA-C	6.15	125.13	112.47
2	E	179	GLY	N-CA-C	-6.14	98.64	113.18
2	F	283	GLY	N-CA-C	-6.14	107.30	115.40
1	D	914	THR	N-CA-C	6.13	119.96	112.23

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	F	400	GLN	N-CA-C	-6.13	103.75	111.11
1	A	744	ILE	N-CA-C	6.12	122.10	108.88
2	F	77	HIS	N-CA-C	6.12	123.84	110.80
1	D	791	ALA	N-CA-C	-6.11	105.92	113.19
1	A	256	PRO	N-CA-C	-6.11	96.22	112.10
1	A	1233	LYS	N-CA-C	-6.11	103.42	113.50
1	D	1212	ILE	N-CA-C	6.11	122.08	108.88
1	D	994	TRP	N-CA-C	6.10	120.10	111.92
1	D	1014	ARG	N-CA-C	6.10	118.65	111.02
1	D	869	ARG	CA-C-N	-6.10	109.80	120.29
1	D	869	ARG	C-N-CA	-6.10	109.80	120.29
1	A	311	LEU	N-CA-C	-6.09	104.72	111.36
2	C	121	PHE	N-CA-C	6.09	118.16	110.24
1	D	1126	ASP	N-CA-C	6.08	121.10	113.43
1	A	1016	GLU	N-CA-C	6.07	121.01	112.93
1	A	513	LEU	CA-C-N	6.07	127.43	119.84
1	A	513	LEU	C-N-CA	6.07	127.43	119.84
1	A	177	ARG	N-CA-C	6.07	122.73	113.51
1	D	1148	ARG	N-CA-C	-6.07	104.67	111.28
2	C	318	ASN	CA-C-N	6.07	132.89	121.97
2	C	318	ASN	C-N-CA	6.07	132.89	121.97
1	D	240	SER	N-CA-C	-6.06	104.55	113.16
2	E	386	ASP	CA-C-N	6.06	131.22	121.95
2	E	386	ASP	C-N-CA	6.06	131.22	121.95
1	D	118	VAL	CA-C-N	6.05	127.41	119.84
1	D	118	VAL	C-N-CA	6.05	127.41	119.84
1	D	886	LEU	N-CA-C	6.05	118.79	108.02
2	F	314	MET	N-CA-C	6.05	117.56	110.97
2	E	402	LEU	N-CA-C	-6.04	102.32	111.56
2	F	211	ILE	N-CA-C	6.04	116.81	108.12
1	A	488	LEU	N-CA-C	6.03	117.93	111.36
2	F	369	ARG	N-CA-C	-6.02	104.80	111.36
1	A	588	GLY	CA-C-N	6.01	127.35	119.84
1	A	588	GLY	C-N-CA	6.01	127.35	119.84
2	C	264	ARG	N-CA-C	-6.00	103.91	111.11
2	B	483	LYS	N-CA-C	-6.00	105.72	113.16
1	D	1071	ARG	N-CA-CB	-6.00	101.94	110.58
1	D	515	ILE	CB-CA-C	-5.99	101.46	111.29
1	A	1213	PRO	CA-N-CD	-5.99	103.61	112.00
1	D	815	TRP	N-CA-C	5.99	118.28	109.24
1	A	630	ASN	N-CA-C	5.99	118.28	108.52
2	E	386	ASP	O-C-N	-5.99	118.62	123.11

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	189	ILE	N-CA-C	-5.98	95.96	108.88
2	B	126	PHE	N-CA-C	5.98	115.18	108.25
1	D	872	SER	N-CA-C	-5.97	104.10	111.33
2	E	238	SER	N-CA-C	5.97	116.31	108.07
1	D	925	LYS	N-CA-C	5.96	123.50	110.80
2	C	326	ASP	N-CA-C	-5.96	105.67	113.12
2	B	91	LEU	N-CA-C	-5.96	104.91	111.82
1	D	981	LYS	N-CA-C	5.96	117.58	111.14
1	D	294	THR	N-CA-C	5.96	117.64	111.03
1	A	784	GLY	N-CA-C	5.95	127.29	113.18
1	D	101	ARG	N-CA-C	5.95	118.27	111.02
2	B	261	GLN	N-CA-C	5.94	120.14	113.01
1	A	1019	TRP	N-CA-C	-5.94	106.06	113.55
2	C	78	PHE	N-CA-C	-5.94	106.57	113.88
1	D	466	LEU	N-CA-C	-5.94	104.88	111.71
1	D	1035	LYS	N-CA-C	5.94	123.44	110.80
2	E	102	LEU	N-CA-C	-5.93	104.73	111.14
1	D	346	ASP	CB-CA-C	5.91	122.17	110.42
1	D	115	GLN	C-N-CD	-5.89	100.84	125.00
1	D	602	LEU	N-CA-C	-5.89	103.56	112.04
2	E	371	VAL	N-CA-C	5.89	121.59	109.34
1	A	1022	LEU	N-CA-C	5.89	119.07	109.59
2	F	418	LEU	N-CA-C	-5.88	104.05	111.11
1	D	355	SER	N-CA-C	5.87	121.72	113.56
1	D	821	LEU	C-N-CD	-5.87	107.70	120.60
1	A	377	PHE	N-CA-C	-5.86	101.61	110.70
1	A	1135	ASP	N-CA-C	-5.86	104.68	112.94
1	D	929	THR	N-CA-C	-5.86	104.98	111.36
1	D	983	GLN	N-CA-C	-5.86	104.80	111.07
1	A	236	THR	N-CA-C	5.85	123.26	110.80
1	D	1006	ARG	N-CA-C	-5.85	103.88	111.02
1	A	128	PRO	N-CA-C	5.85	117.83	110.70
1	A	772	PRO	N-CA-C	-5.85	105.56	113.40
1	D	728	THR	CA-C-N	-5.85	115.54	123.96
1	D	728	THR	C-N-CA	-5.85	115.54	123.96
1	A	243	ASP	N-CA-C	-5.84	106.00	113.01
1	A	874	LEU	N-CA-C	-5.84	106.01	113.02
1	D	1017	GLY	N-CA-C	-5.83	105.92	114.61
2	C	455	LEU	CA-C-O	5.83	126.82	120.58
2	C	211	ILE	N-CA-C	5.83	116.87	108.48
1	D	551	LYS	N-CA-C	-5.83	104.85	111.14
1	D	1141	VAL	N-CA-C	5.83	117.08	108.45

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	993	ARG	N-CA-C	5.83	117.42	110.19
1	A	124	GLU	N-CA-C	-5.82	97.72	107.80
2	F	78	PHE	N-CA-C	-5.82	106.52	113.97
2	B	315	TYR	CA-C-N	5.82	127.11	119.84
2	B	315	TYR	C-N-CA	5.82	127.11	119.84
2	C	472	LYS	N-CA-C	-5.82	104.13	111.11
1	A	1187	ARG	N-CA-C	-5.81	105.95	113.16
2	C	203	ARG	N-CA-C	-5.81	103.26	110.41
1	D	1059	ASN	CA-C-N	5.81	132.64	121.54
1	D	1059	ASN	C-N-CA	5.81	132.64	121.54
1	D	891	VAL	CA-CB-CG1	-5.80	100.53	110.40
1	D	1042	GLU	N-CA-C	5.80	123.16	110.80
1	D	353	VAL	CA-C-N	5.80	130.36	122.07
1	D	353	VAL	C-N-CA	5.80	130.36	122.07
2	C	215	PHE	N-CA-C	5.80	118.85	109.40
1	A	286	GLY	N-CA-C	-5.79	99.46	113.18
1	D	869	ARG	CA-CB-CG	-5.79	102.52	114.10
1	A	229	VAL	CA-C-N	-5.79	112.20	122.74
1	A	229	VAL	C-N-CA	-5.79	112.20	122.74
1	A	238	GLN	CB-CA-C	-5.78	98.92	110.42
1	A	1206	MET	CA-CB-CG	-5.78	102.54	114.10
2	B	108	LYS	N-CA-C	-5.78	104.36	111.75
1	D	367	PRO	N-CA-C	5.77	117.74	110.70
1	D	790	ARG	N-CA-C	-5.77	105.13	111.82
1	D	928	GLY	N-CA-C	-5.76	107.77	115.32
1	D	1064	ILE	N-CA-C	5.76	116.92	107.24
2	C	312	LEU	N-CA-C	-5.76	105.09	111.71
2	F	208	LEU	N-CA-C	5.76	117.59	108.67
2	F	458	ARG	CA-C-N	-5.75	113.61	122.87
2	F	458	ARG	C-N-CA	-5.75	113.61	122.87
1	A	1070	PRO	CA-N-CD	-5.75	103.94	112.00
2	E	328	ARG	N-CA-C	5.75	123.05	110.80
1	A	482	ASP	CA-C-N	-5.75	113.75	119.56
1	A	482	ASP	C-N-CA	-5.75	113.75	119.56
1	A	853	ARG	N-CA-C	5.75	118.03	111.02
1	D	596	MET	N-CA-C	-5.75	98.56	110.80
2	F	279	GLN	CA-C-N	5.74	132.51	121.54
2	F	279	GLN	C-N-CA	5.74	132.51	121.54
1	A	151	LEU	N-CA-C	-5.73	104.95	111.14
1	D	948	ILE	N-CA-C	5.72	115.91	110.42
2	F	471	LEU	CA-CB-CG	-5.72	96.27	116.30
2	F	252	LEU	N-CA-C	-5.72	104.74	110.97

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	185	VAL	CA-C-N	-5.71	112.70	119.84
1	A	185	VAL	C-N-CA	-5.71	112.70	119.84
1	A	191	GLU	CA-C-N	5.71	128.20	120.38
1	A	191	GLU	C-N-CA	5.71	128.20	120.38
1	D	1134	HIS	N-CA-C	-5.71	98.64	110.80
1	D	1204	THR	CB-CA-C	-5.71	101.68	110.81
1	A	381	THR	N-CA-C	5.70	117.82	108.52
1	D	1019	TRP	CA-C-N	5.70	132.23	121.97
1	D	1019	TRP	C-N-CA	5.70	132.23	121.97
1	D	298	HIS	N-CA-C	5.70	122.94	110.80
1	D	612	LEU	N-CA-C	5.70	122.94	110.80
1	A	345	TRP	CA-C-N	-5.70	114.18	122.44
1	A	345	TRP	C-N-CA	-5.70	114.18	122.44
1	A	76	ILE	CB-CA-C	-5.70	101.95	111.29
1	D	210	THR	N-CA-C	-5.69	98.68	110.80
1	D	526	ASP	CA-C-N	5.69	132.41	121.54
1	D	526	ASP	C-N-CA	5.69	132.41	121.54
2	B	432	TYR	N-CA-C	-5.69	105.16	111.36
1	A	606	THR	N-CA-CB	5.68	118.64	110.06
1	D	223	TRP	N-CA-C	5.68	122.89	110.80
1	A	299	MET	N-CA-C	-5.67	104.10	111.02
2	B	328	ARG	N-CA-C	-5.67	107.61	114.75
1	A	617	ARG	N-CA-C	5.67	122.87	110.80
1	A	922	GLN	N-CA-C	5.66	122.86	110.80
2	C	325	ARG	N-CA-C	5.66	119.32	110.32
2	C	225	ARG	N-CA-C	5.66	122.85	110.80
1	D	192	GLU	CA-C-N	5.64	132.32	121.54
1	D	192	GLU	C-N-CA	5.64	132.32	121.54
1	D	1010	LEU	CA-CB-CG	-5.64	96.55	116.30
2	F	191	GLU	N-CA-C	-5.64	104.35	111.11
1	D	269	HIS	N-CA-C	5.63	119.43	109.96
1	D	348	LEU	N-CA-C	5.63	118.79	107.41
2	E	256	LEU	N-CA-C	-5.63	104.77	111.69
2	F	185	LEU	N-CA-C	-5.63	104.55	111.75
1	A	631	LEU	N-CA-C	-5.62	101.83	109.54
1	D	1169	GLY	N-CA-C	5.62	124.37	111.04
1	D	90	GLN	N-CA-C	-5.62	104.65	113.02
1	D	131	TYR	CA-C-N	5.62	126.04	120.31
1	D	131	TYR	C-N-CA	5.62	126.04	120.31
1	D	1023	GLN	N-CA-C	-5.62	101.59	109.96
1	A	884	TYR	N-CA-C	5.61	117.77	109.69
1	A	1117	LYS	N-CA-C	-5.61	104.38	111.11

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	F	267	ALA	N-CA-C	5.61	118.10	109.07
1	A	1105	ALA	N-CA-C	-5.59	106.45	113.28
1	A	1172	ASP	N-CA-C	5.59	116.97	108.07
1	A	870	VAL	CB-CA-C	-5.59	102.12	111.29
2	B	231	ILE	N-CA-C	5.59	117.11	108.44
1	D	847	ALA	CB-CA-C	-5.58	110.12	116.54
2	F	319	VAL	CB-CA-C	-5.58	102.13	111.29
1	A	72	ASN	CA-C-N	5.58	126.81	119.84
1	A	72	ASN	C-N-CA	5.58	126.81	119.84
2	F	334	CYS	N-CA-C	5.57	118.04	110.35
1	D	372	GLU	N-CA-C	5.57	122.12	109.81
2	F	304	TRP	N-CA-C	5.56	117.64	109.24
1	A	978	ALA	N-CA-C	-5.56	105.12	111.07
2	B	374	LEU	N-CA-C	5.56	117.71	108.99
2	C	185	LEU	N-CA-C	-5.56	104.64	111.75
2	C	191	GLU	N-CA-C	-5.55	104.45	111.11
1	A	718	ALA	N-CA-C	5.55	120.53	111.37
1	A	1057	MET	N-CA-C	-5.55	106.28	113.16
2	E	462	MET	N-CA-C	5.55	117.68	108.20
1	A	1001	GLY	N-CA-C	-5.54	100.04	113.18
1	A	451	THR	N-CA-C	5.54	118.16	111.40
1	A	1091	GLU	N-CA-C	-5.54	99.00	110.80
1	D	889	ALA	N-CA-C	5.54	116.88	108.07
1	A	1120	PHE	N-CA-C	-5.54	105.14	111.07
2	E	382	LYS	O-C-N	5.54	129.96	122.59
2	F	325	ARG	N-CA-C	5.54	119.13	110.32
1	A	605	LEU	CA-C-N	-5.54	113.50	121.42
1	A	605	LEU	C-N-CA	-5.54	113.50	121.42
1	A	240	SER	CA-C-N	-5.54	113.91	119.56
1	A	240	SER	C-N-CA	-5.54	113.91	119.56
2	E	354	PHE	N-CA-C	5.54	118.28	110.14
1	A	523	ASP	CA-C-N	5.53	126.75	119.84
1	A	523	ASP	C-N-CA	5.53	126.75	119.84
1	A	1110	HIS	N-CA-C	5.53	118.83	111.75
1	A	626	GLY	N-CA-C	5.53	126.28	113.18
1	D	745	PRO	CA-C-N	-5.53	117.89	121.65
1	D	745	PRO	C-N-CA	-5.53	117.89	121.65
1	D	175	TRP	CA-C-N	-5.52	113.17	122.29
1	D	175	TRP	C-N-CA	-5.52	113.17	122.29
1	A	235	TRP	N-CA-C	5.52	118.08	109.52
1	D	190	PRO	N-CA-C	5.52	123.84	112.47
2	F	338	VAL	CB-CA-C	-5.51	102.07	110.95

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	1003	TRP	N-CA-C	-5.51	105.43	111.82
1	A	757	GLY	N-CA-C	-5.50	100.13	113.18
1	D	485	LEU	N-CA-C	-5.50	104.70	111.75
1	A	482	ASP	N-CA-C	5.50	121.96	109.81
1	A	1121	GLU	N-CA-C	-5.50	104.52	111.11
2	F	138	LEU	N-CA-C	5.49	122.50	110.80
2	F	85	GLN	N-CA-C	-5.49	106.28	112.87
1	A	539	PHE	N-CA-C	-5.49	100.36	109.46
1	A	266	VAL	N-CA-C	-5.48	97.93	109.34
1	A	1158	LEU	N-CA-C	-5.48	104.53	111.11
2	C	335	VAL	CA-C-N	-5.48	115.04	122.77
2	C	335	VAL	C-N-CA	-5.48	115.04	122.77
1	D	755	LYS	N-CA-C	-5.48	104.54	111.11
1	D	248	GLU	N-CA-C	5.48	122.46	110.80
1	A	522	GLY	N-CA-C	5.47	126.16	113.18
1	A	229	VAL	CB-CA-C	-5.47	105.90	112.19
2	F	300	ILE	N-CA-C	5.47	120.72	109.34
2	F	102	LEU	N-CA-C	-5.47	105.22	111.07
1	D	780	GLN	N-CA-C	5.46	122.44	110.80
1	D	1130	CYS	N-CA-CB	-5.46	103.63	110.90
1	D	855	VAL	N-CA-C	5.46	120.69	109.34
1	A	569	HIS	N-CA-C	-5.46	103.20	110.07
2	E	318	ASN	N-CA-C	-5.46	103.41	111.81
1	D	1204	THR	N-CA-C	-5.45	104.57	111.11
2	B	474	PHE	N-CA-C	-5.45	103.50	110.53
1	A	170	ALA	N-CA-C	5.45	122.40	110.80
2	F	196	CYS	CA-CB-SG	5.45	126.92	114.40
1	D	451	THR	N-CA-C	5.44	117.02	111.14
2	B	100	GLY	CA-C-N	5.44	126.64	119.84
2	B	100	GLY	C-N-CA	5.44	126.64	119.84
1	A	503	VAL	CB-CA-C	-5.44	102.37	111.29
1	D	960	PRO	N-CA-C	5.44	121.25	113.47
1	A	562	ARG	CA-C-N	5.43	125.05	119.56
1	A	562	ARG	C-N-CA	5.43	125.05	119.56
2	F	133	HIS	CA-C-N	5.43	135.05	121.80
2	F	133	HIS	C-N-CA	5.43	135.05	121.80
1	A	512	LYS	CA-C-N	-5.43	116.88	122.85
1	A	512	LYS	C-N-CA	-5.43	116.88	122.85
1	D	1047	ARG	N-CA-C	5.43	117.00	111.14
1	A	246	PRO	N-CA-C	-5.42	107.57	114.35
2	C	102	LEU	N-CA-C	-5.42	104.77	111.33
1	D	280	GLU	N-CA-C	-5.42	106.83	113.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	E	454	HIS	N-CA-C	5.42	118.32	109.59
1	A	179	GLY	N-CA-C	5.42	123.39	112.34
1	D	650	ARG	N-CA-C	-5.42	106.83	113.50
1	D	1218	LEU	N-CA-C	5.42	118.23	109.40
1	A	1217	ALA	N-CA-C	-5.40	99.92	108.73
2	C	417	TYR	N-CA-C	-5.40	105.31	111.14
1	D	547	ALA	N-CA-C	-5.40	106.00	112.59
2	B	393	LEU	N-CA-C	5.40	122.30	110.80
1	A	189	ILE	CB-CA-C	-5.39	101.55	111.36
2	B	342	LEU	N-CA-C	5.39	117.58	111.11
2	F	335	VAL	CB-CA-C	-5.38	104.20	111.63
1	D	347	TRP	N-CA-CB	-5.38	102.72	111.22
2	F	284	ARG	CA-C-N	-5.38	111.27	121.54
2	F	284	ARG	C-N-CA	-5.38	111.27	121.54
1	D	858	THR	N-CA-C	5.38	116.94	111.14
1	A	988	ALA	N-CA-C	5.37	117.89	111.71
1	D	179	GLY	N-CA-C	-5.37	101.38	112.34
2	C	98	GLY	N-CA-C	5.37	117.16	110.29
2	B	460	THR	CA-C-N	-5.37	115.63	122.77
2	B	460	THR	C-N-CA	-5.37	115.63	122.77
1	D	609	GLY	N-CA-C	-5.37	100.46	113.18
1	D	461	LYS	N-CA-C	-5.36	104.68	111.11
2	F	312	LEU	N-CA-C	-5.36	99.39	110.80
1	A	440	ASN	CA-C-N	-5.35	113.36	120.79
1	A	440	ASN	C-N-CA	-5.35	113.36	120.79
1	A	585	TRP	N-CA-C	5.35	117.46	108.96
1	A	830	ASP	N-CA-C	-5.35	99.41	110.80
1	D	358	GLU	OE1-CD-OE2	-5.35	110.07	122.90
2	F	215	PHE	N-CA-C	5.34	118.11	109.40
2	E	110	LEU	N-CA-C	5.34	117.10	111.28
2	E	105	GLU	N-CA-C	-5.34	105.63	111.82
2	F	190	LEU	N-CA-C	5.34	117.91	111.40
1	D	740	ASN	N-CA-C	-5.34	99.44	110.80
1	A	858	THR	N-CA-C	5.33	117.53	111.02
1	A	889	ALA	N-CA-C	5.33	115.40	107.88
1	D	807	ARG	N-CA-C	-5.33	105.16	110.97
1	D	1071	ARG	N-CA-C	5.33	117.79	108.52
2	F	98	GLY	N-CA-C	5.33	117.11	110.29
1	A	1231	LEU	CA-C-N	5.33	131.72	121.54
1	A	1231	LEU	C-N-CA	5.33	131.72	121.54
1	D	178	TYR	N-CA-CB	5.33	119.49	110.49
1	D	127	LEU	N-CA-C	5.33	119.35	107.95

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	224	CYS	N-CA-C	5.33	122.14	110.80
1	D	777	GLY	N-CA-C	-5.32	102.12	112.02
1	A	726	LYS	N-CA-C	5.32	122.13	110.80
1	D	887	VAL	CB-CA-C	-5.32	104.53	110.96
2	C	279	GLN	CA-C-N	5.31	131.68	121.54
2	C	279	GLN	C-N-CA	5.31	131.68	121.54
1	A	120	LEU	N-CA-C	-5.30	100.58	110.02
1	A	177	ARG	CB-CG-CD	-5.30	99.10	111.30
2	B	308	ASP	CA-C-N	5.30	131.66	121.54
2	B	308	ASP	C-N-CA	5.30	131.66	121.54
1	D	1046	GLU	N-CA-C	-5.30	104.97	111.75
1	A	654	SER	N-CA-C	-5.29	104.92	111.33
1	D	891	VAL	N-CA-CB	-5.29	102.49	111.23
1	D	665	LYS	N-CA-C	-5.29	105.59	111.36
1	D	950	ASN	N-CA-C	-5.29	105.51	111.28
2	F	129	ASP	N-CA-C	5.29	119.80	112.45
2	E	194	VAL	N-CA-C	5.28	115.50	110.53
2	C	133	HIS	CA-C-N	5.27	134.66	121.80
2	C	133	HIS	C-N-CA	5.27	134.66	121.80
1	D	613	HIS	N-CA-C	-5.26	102.06	109.96
1	D	645	VAL	N-CA-CB	-5.26	102.55	111.23
1	D	520	ALA	N-CA-C	5.25	121.41	109.81
1	D	387	GLU	N-CA-C	-5.25	105.67	111.71
1	A	769	ASP	CB-CA-C	-5.25	110.09	117.23
1	D	986	TYR	N-CA-C	-5.25	104.98	111.33
2	C	303	LEU	CB-CA-C	-5.23	103.28	111.39
1	A	289	MET	N-CA-C	-5.23	101.19	109.76
1	D	352	SER	CA-CB-OG	-5.23	100.65	111.10
2	C	452	LEU	CA-CB-CG	5.22	134.57	116.30
2	E	353	SER	N-CA-C	5.22	119.32	111.96
1	A	444	TYR	N-CA-C	-5.22	105.71	111.71
1	D	899	ALA	N-CA-C	-5.22	105.02	111.33
2	F	332	VAL	N-CA-C	-5.22	102.49	107.76
1	A	661	LEU	N-CA-C	-5.21	105.60	111.28
1	D	608	ASP	N-CA-CB	5.21	119.30	110.49
1	A	847	ALA	CB-CA-C	-5.21	110.14	117.23
1	A	118	VAL	CA-C-N	5.21	125.49	119.92
1	A	118	VAL	C-N-CA	5.21	125.49	119.92
2	E	432	TYR	CA-CB-CG	5.21	123.27	113.90
1	D	351	SER	CB-CA-C	-5.20	102.64	111.02
1	D	901	VAL	CB-CA-C	-5.20	105.22	112.04
1	D	866	ARG	N-CA-C	5.19	121.29	109.81

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	325	ARG	N-CA-C	5.19	116.96	108.76
2	F	243	THR	N-CA-C	5.19	117.14	110.39
2	E	478	TYR	N-CA-C	-5.19	106.95	113.28
1	D	503	VAL	CB-CA-C	-5.18	104.13	111.38
2	E	386	ASP	CB-CA-C	-5.17	107.06	114.87
2	C	287	ASN	N-CA-C	5.17	118.17	110.52
1	D	621	GLY	N-CA-C	5.17	125.43	113.18
1	A	953	ARG	N-CA-C	-5.17	105.56	111.14
2	F	213	VAL	N-CA-C	5.17	116.24	109.21
1	D	360	HIS	N-CA-CB	5.17	118.20	109.78
1	D	544	MET	N-CA-C	-5.16	105.31	111.03
2	E	482	ALA	N-CA-C	-5.16	107.05	113.19
2	F	408	GLU	N-CA-C	5.16	116.71	111.14
2	B	238	SER	N-CA-C	5.15	117.22	109.23
1	A	712	VAL	N-CA-CB	5.15	118.42	111.21
1	D	441	TRP	N-CA-C	5.15	116.97	111.36
1	D	1167	LYS	N-CA-C	-5.15	104.74	111.02
1	D	75	ASP	CA-C-N	5.14	129.25	122.51
1	D	75	ASP	C-N-CA	5.14	129.25	122.51
1	D	1015	THR	CB-CA-C	-5.14	100.19	110.42
2	B	75	ARG	CA-CB-CG	-5.14	103.83	114.10
1	D	482	ASP	CA-C-N	-5.13	113.63	119.28
1	D	482	ASP	C-N-CA	-5.13	113.63	119.28
1	A	203	LEU	CA-CB-CG	-5.13	98.34	116.30
2	F	276	SER	N-CA-C	-5.13	101.62	108.86
1	D	870	VAL	N-CA-C	5.13	118.31	111.44
2	C	206	TYR	CB-CA-C	-5.13	102.63	112.43
2	E	324	GLY	N-CA-C	-5.13	101.03	113.18
1	A	129	PRO	CA-C-N	-5.12	114.76	122.81
1	A	129	PRO	C-N-CA	-5.12	114.76	122.81
2	B	105	GLU	N-CA-C	-5.12	102.97	111.37
1	D	1060	LYS	CA-C-N	5.12	128.50	120.82
1	D	1060	LYS	C-N-CA	5.12	128.50	120.82
2	B	115	TRP	N-CA-C	-5.12	105.19	111.75
1	D	920	THR	N-CA-C	-5.11	99.92	110.80
2	F	207	GLY	CA-C-N	5.11	129.60	121.99
2	F	207	GLY	C-N-CA	5.11	129.60	121.99
2	C	131	LEU	N-CA-C	5.11	117.11	108.02
1	D	644	GLY	CA-C-N	5.10	131.15	121.97
1	D	644	GLY	C-N-CA	5.10	131.15	121.97
2	C	458	ARG	N-CA-CB	5.10	119.10	110.49
2	F	250	GLN	N-CA-C	5.10	117.23	111.11

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	E	479	ILE	CB-CA-C	-5.10	106.58	111.06
1	D	357	ALA	N-CA-C	-5.09	107.45	113.97
1	A	841	LEU	CA-C-N	5.08	126.19	119.84
1	A	841	LEU	C-N-CA	5.08	126.19	119.84
1	D	386	ARG	N-CA-C	5.07	116.50	110.97
1	D	538	GLU	N-CA-C	5.07	116.90	109.24
1	D	999	ASP	N-CA-CB	-5.07	100.44	110.48
2	B	187	HIS	N-CA-C	5.06	117.58	111.40
2	C	456	ARG	N-CA-CB	-5.05	101.95	110.49
1	A	1107	ASP	N-CA-C	-5.05	105.05	111.11
1	A	239	LEU	CA-C-O	-5.04	113.30	120.51
1	A	74	LEU	N-CA-C	5.04	121.53	110.80
2	E	250	GLN	N-CA-C	-5.04	105.07	111.11
1	D	1037	GLN	CB-CA-C	-5.03	100.41	110.42
1	A	608	ASP	CB-CA-C	-5.03	103.28	111.68
1	A	1072	THR	N-CA-C	5.03	120.93	109.81
2	C	455	LEU	N-CA-C	5.03	116.50	108.41
1	D	117	ALA	N-CA-C	-5.03	100.09	110.80
1	D	1019	TRP	N-CA-C	5.03	116.50	108.41
1	A	592	LEU	N-CA-C	5.02	119.17	113.19
1	D	360	HIS	CB-CA-C	-5.02	102.41	110.74
1	D	628	ARG	N-CA-C	-5.02	100.11	110.80
1	D	366	GLY	CA-C-N	5.02	125.55	120.38
1	D	366	GLY	C-N-CA	5.02	125.55	120.38
1	A	222	SER	N-CA-C	5.01	121.48	110.80
1	D	576	LEU	CA-CB-CG	5.01	133.85	116.30
1	D	924	ARG	N-CA-C	5.01	121.48	110.80
2	E	384	ALA	CA-C-O	5.01	127.67	120.51
2	B	216	HIS	N-CA-C	-5.01	98.74	109.81
2	E	77	HIS	N-CA-C	5.01	121.47	110.80
1	D	358	GLU	CB-CA-C	5.01	119.98	110.27
1	D	528	GLU	CA-C-N	5.01	131.10	121.54
1	D	528	GLU	C-N-CA	5.01	131.10	121.54
1	A	239	LEU	N-CA-CB	-5.00	102.03	110.49

All (2) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
1	D	249	VAL	CA
2	E	385	LEU	CA

All (12) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	1179	PHE	Sidechain
1	A	221	TYR	Sidechain
1	A	239	LEU	Mainchain
1	A	395	TYR	Sidechain
2	B	417	TYR	Sidechain
2	C	351	TYR	Sidechain
1	D	368	PRO	Mainchain
1	D	656	TYR	Sidechain
1	D	995	TYR	Sidechain
2	E	432	TYR	Sidechain
2	E	478	TYR	Sidechain
2	F	206	TYR	Sidechain

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	A	8681	0	8521	3706	8
1	D	8695	0	8540	4055	7
2	B	2871	0	2862	852	0
2	C	3181	0	3168	1455	1
2	E	2871	0	2863	978	0
2	F	3181	0	3168	1512	4
All	All	29480	0	29122	12233	10

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 209.

All (12233) 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:D:352:SER:CA	1:D:352:SER:C	1.74	1.59
1:D:460:LYS:HE2	1:D:460:LYS:N	1.20	1.48
2:E:432:TYR:HB2	2:E:437:ILE:CD1	1.51	1.39
1:D:352:SER:CA	1:D:358:GLU:OE2	1.73	1.36
1:D:914:THR:O	1:D:918:TRP:HB3	1.24	1.35
1:D:352:SER:N	1:D:358:GLU:OE2	1.58	1.34

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:607:TRP:CD1	1:D:780:GLN:H	1.44	1.33
1:D:995:TYR:CE1	1:D:1004:LEU:HB3	1.66	1.31
2:C:356:LEU:HB3	2:C:359:ASN:ND2	1.44	1.30
1:D:352:SER:C	1:D:358:GLU:OE2	1.75	1.28
1:D:460:LYS:H	1:D:460:LYS:CE	1.44	1.28
1:A:513:LEU:HB2	1:A:568:GLY:CA	1.64	1.28
1:A:1210:TYR:CE1	1:A:1213:PRO:HG2	1.68	1.28
2:F:241:TRP:HB2	2:F:336:LEU:CD1	1.64	1.27
1:A:784:GLY:HA2	2:C:362:THR:OG1	1.29	1.26
1:D:275:ARG:HB2	1:D:843:GLN:CB	1.64	1.25
1:A:669:MET:O	1:A:673:ALA:HB2	1.29	1.25
1:D:275:ARG:NE	1:D:843:GLN:H	1.31	1.25
1:D:1006:ARG:NH1	1:D:1006:ARG:HA	1.49	1.25
1:D:352:SER:O	1:D:358:GLU:CD	1.81	1.24
1:A:76:ILE:HB	1:A:911:HIS:NE2	1.49	1.24
1:A:210:THR:CB	1:A:224:CYS:HB2	1.66	1.24
1:A:656:TYR:HB3	1:A:720:THR:CB	1.66	1.23
1:D:827:ARG:O	1:D:829:PRO:HD3	1.36	1.23
2:C:241:TRP:HB2	2:C:336:LEU:CD1	1.69	1.23
2:C:303:LEU:HA	2:C:337:SER:OG	1.31	1.23
1:D:891:VAL:HG11	1:D:1135:ASP:O	1.12	1.22
2:E:382:LYS:HE2	2:E:412:SER:O	1.37	1.22
1:D:259:ARG:CZ	1:D:259:ARG:HA	1.68	1.22
1:D:1131:ILE:HD11	1:D:1138:ARG:N	1.55	1.22
1:A:389:PHE:HA	1:A:393:MET:SD	1.79	1.21
1:A:1199:THR:HA	1:A:1200:PRO:C	1.64	1.21
1:D:249:VAL:CG1	1:D:252:GLY:H	1.52	1.21
1:D:367:PRO:CD	1:D:368:PRO:HD3	1.70	1.21
1:D:420:HIS:ND1	1:D:421:PRO:HD2	1.54	1.21
1:D:801:TRP:CZ3	1:D:870:VAL:HG11	1.74	1.21
1:D:548:CYS:O	1:D:552:LEU:HG	1.35	1.21
2:F:447:THR:O	2:F:452:LEU:HD12	1.40	1.21
2:E:78:PHE:O	2:E:79:LEU:HG	1.39	1.21
1:A:871:GLY:C	1:A:873:GLU:H	1.38	1.21
1:D:1029:GLN:CG	1:D:1030:ARG:HE	1.53	1.20
1:A:477:GLU:CG	1:A:478:ARG:H	1.54	1.20
1:D:1020:ILE:HD13	1:D:1021:SER:N	1.54	1.20
1:A:213:VAL:HG12	1:A:401:TRP:NE1	1.55	1.20
1:D:278:ILE:HG22	1:D:279:ARG:HD3	1.23	1.20
1:D:504:LYS:CB	1:D:523:ASP:HB2	1.71	1.20
1:D:891:VAL:HG11	1:D:1135:ASP:C	1.67	1.19

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:604:ALA:HA	1:D:613:HIS:CE1	1.77	1.19
1:D:548:CYS:C	1:D:551:LYS:HD3	1.67	1.19
1:D:891:VAL:HA	1:D:894:GLN:CD	1.66	1.19
1:A:996:ARG:NH1	1:A:1000:GLU:HB3	1.58	1.19
1:A:666:GLN:O	1:A:670:PRO:HD3	1.36	1.18
1:A:927:ARG:HG2	1:A:928:GLY:H	1.04	1.18
1:D:275:ARG:CB	1:D:843:GLN:HB3	1.71	1.18
1:A:1026:ARG:CB	1:A:1029:GLN:HB2	1.74	1.18
1:D:294:THR:HG22	1:D:407:PHE:HE2	1.06	1.18
1:D:608:ASP:HB3	1:D:620:TRP:CD2	1.78	1.18
1:D:610:PHE:H	1:D:611:PRO:HD3	1.07	1.18
2:E:432:TYR:CB	2:E:437:ILE:HD11	1.73	1.18
2:F:208:LEU:CD1	2:F:240:VAL:HB	1.72	1.18
1:D:992:LEU:HB3	1:D:996:ARG:HG2	1.18	1.18
1:A:498:LYS:HD2	1:A:518:ALA:HB3	1.24	1.17
2:C:351:TYR:C	2:C:355:GLN:HB2	1.68	1.17
1:D:1027:LYS:NZ	1:D:1091:GLU:HG2	1.60	1.17
2:B:383:VAL:HG13	2:B:413:VAL:CG1	1.75	1.17
2:C:424:SER:HB3	2:C:427:GLN:HE22	1.07	1.17
1:A:1005:VAL:HA	1:A:1008:LEU:CD1	1.73	1.17
1:D:900:ALA:HB1	1:D:915:ALA:HB1	1.27	1.17
2:F:446:THR:HB	2:F:450:ASN:HB2	1.18	1.16
2:B:72:ILE:HA	2:B:75:ARG:HE	1.01	1.16
1:D:642:SER:HA	1:D:645:VAL:HG11	1.26	1.16
1:D:891:VAL:CG1	1:D:1135:ASP:O	1.94	1.16
1:D:1165:ALA:HB2	1:D:1173:LEU:HD12	1.22	1.16
1:A:477:GLU:HG3	1:A:478:ARG:N	1.55	1.16
1:D:420:HIS:CD2	1:D:1020:ILE:HD12	1.79	1.16
1:A:213:VAL:CG1	1:A:401:TRP:HE1	1.59	1.16
1:A:612:LEU:HG	1:A:614:TYR:H	1.09	1.16
1:D:1014:ARG:O	1:D:1014:ARG:HD2	1.45	1.16
1:A:593:SER:HA	1:A:596:MET:HG3	1.28	1.16
1:A:823:ARG:HB3	1:A:825:VAL:HG23	1.20	1.15
1:D:1029:GLN:HG2	1:D:1030:ARG:HE	1.02	1.15
2:F:78:PHE:CE1	2:F:103:GLY:HA2	1.80	1.15
2:F:454:HIS:HB2	2:F:466:MET:O	1.46	1.15
2:F:454:HIS:HA	2:F:468:ILE:HD12	1.28	1.15
2:B:383:VAL:CG1	2:B:413:VAL:HG13	1.76	1.15
2:C:78:PHE:CE1	2:C:103:GLY:HA2	1.81	1.15
1:D:350:ILE:CG2	1:D:352:SER:HB2	1.74	1.15
2:E:376:PRO:O	2:E:380:PRO:HD3	1.42	1.15

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:616:GLU:O	1:D:725:PRO:HD3	1.47	1.15
2:E:372:LEU:HG	2:E:373:LYS:N	1.61	1.15
1:A:612:LEU:HD22	1:A:621:GLY:N	1.61	1.15
2:C:127:PRO:HD2	2:C:210:GLN:HB2	1.26	1.14
1:A:275:ARG:NH2	1:A:845:VAL:HA	1.62	1.14
1:A:472:GLN:HG3	2:C:460:THR:CA	1.77	1.14
2:C:386:ASP:HB2	2:C:442:LEU:HA	1.19	1.14
2:C:418:LEU:O	2:C:421:MET:HG2	1.46	1.14
1:D:509:THR:HB	1:D:512:LYS:HB3	1.27	1.14
1:D:551:LYS:CD	1:D:551:LYS:H	1.49	1.14
2:B:309:HIS:HB3	2:B:312:LEU:HD22	1.29	1.14
2:C:443:VAL:HA	2:C:447:THR:HG21	1.28	1.14
1:D:356:LEU:HD13	1:D:369:LEU:CD2	1.75	1.14
1:D:1131:ILE:CD1	1:D:1138:ARG:H	1.58	1.14
1:A:253:ALA:HB2	1:A:280:GLU:HB2	1.16	1.14
1:A:996:ARG:HH12	1:A:1003:TRP:CB	1.58	1.14
1:D:866:ARG:HG3	1:D:1069:ILE:HG21	1.15	1.14
1:D:1204:THR:HA	1:D:1207:GLU:HB3	1.15	1.14
2:F:180:LYS:HE3	2:F:180:LYS:C	1.73	1.14
1:D:81:ARG:HB2	1:D:81:ARG:NH1	1.63	1.13
1:D:300:ALA:HB2	1:D:847:ALA:HB1	1.18	1.13
1:D:504:LYS:HD2	1:D:523:ASP:HB3	1.23	1.13
1:A:513:LEU:CB	1:A:568:GLY:HA2	1.78	1.13
2:C:82:SER:HA	2:C:86:LEU:HD21	1.18	1.13
1:D:242:ALA:HB1	1:D:245:ILE:HG12	1.21	1.13
1:D:267:VAL:HB	1:D:269:HIS:CD2	1.82	1.13
1:D:801:TRP:CE3	1:D:870:VAL:HG11	1.82	1.13
2:F:239:LEU:O	2:F:338:VAL:HG22	1.46	1.13
1:A:618:HIS:N	1:A:725:PRO:HG2	1.64	1.13
1:D:81:ARG:HB2	1:D:81:ARG:HH11	1.11	1.13
1:D:449:GLN:HG2	1:D:805:HIS:NE2	1.62	1.13
1:D:1006:ARG:HH11	1:D:1006:ARG:CA	1.61	1.13
2:E:388:GLY:C	2:E:395:LEU:HD11	1.73	1.13
2:F:304:TRP:N	2:F:337:SER:HB2	1.60	1.13
2:F:387:VAL:CG2	2:F:417:TYR:HA	1.78	1.13
1:A:253:ALA:HB2	1:A:280:GLU:CB	1.77	1.13
1:A:502:LYS:HG3	1:A:503:VAL:H	1.08	1.13
1:D:275:ARG:HE	1:D:842:PRO:HA	1.02	1.13
1:D:891:VAL:HG13	1:D:1135:ASP:HB3	1.28	1.13
1:D:1006:ARG:NH1	1:D:1009:ASN:HB2	1.61	1.13
2:E:213:VAL:HA	2:E:235:THR:HA	1.28	1.13

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:444:TYR:HD2	1:A:874:LEU:HD23	1.07	1.13
1:A:608:ASP:HB3	1:A:779:LEU:CD1	1.77	1.12
2:B:279:GLN:O	2:B:280:ASP:HB2	1.49	1.12
2:C:125:VAL:HG22	2:C:208:LEU:HA	1.16	1.13
1:A:992:LEU:HD23	1:A:997:LEU:HD12	1.25	1.12
2:E:432:TYR:HA	2:E:435:MET:HB2	1.18	1.12
1:A:959:GLN:HB2	1:A:960:PRO:CD	1.78	1.12
2:C:236:GLU:HA	2:C:341:ASP:HB3	1.30	1.12
2:C:446:THR:HA	2:C:450:ASN:CB	1.78	1.12
1:D:235:TRP:HD1	1:D:236:THR:HG22	1.06	1.12
1:D:797:MET:HB2	1:D:869:ARG:HD2	1.30	1.12
1:A:245:ILE:HG13	1:A:246:PRO:HD3	1.31	1.12
1:A:606:THR:HG23	1:A:613:HIS:C	1.72	1.12
1:A:756:ASP:HB3	1:A:1057:MET:HG2	1.20	1.12
1:D:652:ILE:HA	1:D:655:LEU:HG	1.30	1.12
1:D:1221:TYR:HA	1:D:1224:ILE:CG2	1.80	1.12
2:F:203:ARG:CA	2:F:325:ARG:HD3	1.79	1.12
1:A:346:ASP:HB3	1:A:1040:LYS:NZ	1.64	1.12
1:A:658:LYS:HG3	1:A:713:PRO:HB2	1.30	1.12
1:A:1043:VAL:HG13	1:A:1046:GLU:HB3	1.16	1.12
2:B:285:LYS:HG2	2:B:286:GLY:N	1.56	1.12
2:C:203:ARG:HA	2:C:325:ARG:HD3	1.20	1.12
1:D:203:LEU:H	1:D:380:GLY:HA2	1.02	1.12
1:D:235:TRP:CD1	1:D:236:THR:HG22	1.84	1.12
1:D:668:LEU:O	1:D:671:GLN:HB2	1.46	1.12
1:D:1133:ILE:HB	1:D:1136:GLU:HB2	1.17	1.12
1:A:503:VAL:HB	1:A:521:PRO:HA	1.30	1.12
1:D:591:LEU:HD11	1:D:594:LEU:HG	1.31	1.12
1:D:775:GLU:HG2	1:D:780:GLN:HG3	1.31	1.12
1:D:1193:VAL:CG2	1:D:1194:THR:H	1.60	1.12
1:A:70:ARG:HB2	1:A:81:ARG:HB3	1.32	1.11
1:A:79:LEU:HD21	1:A:1173:LEU:O	1.48	1.11
1:A:135:LEU:HD23	1:A:135:LEU:H	1.05	1.11
1:A:210:THR:HB	1:A:224:CYS:CB	1.79	1.11
1:D:128:PRO:HA	1:D:130:LEU:CD2	1.80	1.11
1:D:649:TYR:HA	1:D:652:ILE:HB	1.19	1.11
2:F:387:VAL:HG21	2:F:417:TYR:HA	1.25	1.11
1:A:775:GLU:HA	1:A:780:GLN:HG3	1.32	1.11
1:D:367:PRO:HD2	1:D:368:PRO:CD	1.79	1.11
2:F:372:LEU:HD11	2:F:436:SER:HB2	1.12	1.11
1:A:408:GLN:HA	1:A:411:LEU:HG	1.26	1.11

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:502:LYS:HD2	1:A:506:GLU:OE1	1.49	1.11
1:A:503:VAL:HG11	1:A:520:ALA:C	1.76	1.11
1:A:659:HIS:HB2	1:A:719:LEU:HD12	1.30	1.11
1:A:854:ALA:HB1	1:A:860:LEU:HD13	1.30	1.11
2:C:131:LEU:HG	2:C:133:HIS:CE1	1.85	1.11
1:D:1200:PRO:O	1:D:1203:PRO:HD2	1.47	1.11
1:A:436:PRO:HB3	1:A:881:PRO:HD3	1.13	1.11
1:A:656:TYR:HB3	1:A:720:THR:HB	1.24	1.11
1:A:711:ALA:C	1:A:713:PRO:HD3	1.75	1.11
1:D:375:GLU:HG3	1:D:379:LYS:HB3	1.29	1.11
2:F:247:THR:HB	2:F:251:TRP:CD1	1.85	1.11
2:F:354:PHE:CE1	2:F:370:LYS:HD3	1.84	1.11
1:A:758:ASN:HB2	1:A:1058:PHE:HZ	1.09	1.11
1:D:420:HIS:HD2	1:D:1020:ILE:HD12	0.97	1.11
1:D:781:ALA:HB3	1:D:792:LEU:HD21	1.31	1.11
1:D:1131:ILE:HD11	1:D:1138:ARG:H	1.04	1.11
1:A:170:ALA:HB1	1:A:175:TRP:CZ2	1.85	1.10
1:A:249:VAL:HG11	1:A:817:PRO:HG3	1.30	1.10
1:A:612:LEU:HG	1:A:613:HIS:H	1.06	1.10
2:B:407:LEU:HD21	2:C:120:VAL:HA	1.23	1.10
2:C:372:LEU:HD11	2:C:436:SER:HB2	1.33	1.10
1:D:179:GLY:HA3	1:D:182:GLY:HA3	1.13	1.10
1:D:549:LEU:N	1:D:551:LYS:HZ2	1.49	1.10
1:D:592:LEU:HA	1:D:595:GLN:HG3	1.33	1.10
1:D:1204:THR:CA	1:D:1207:GLU:HB3	1.81	1.10
1:D:1206:MET:SD	1:D:1210:TYR:HA	1.90	1.10
1:D:1209:ARG:HH21	2:F:253:ASP:HA	1.01	1.10
2:F:351:TYR:C	2:F:355:GLN:HB2	1.75	1.10
1:A:190:PRO:HB3	1:A:192:GLU:HG2	1.15	1.10
1:A:363:ARG:HH22	1:A:409:GLN:HB2	1.16	1.10
2:B:117:SER:HB2	2:B:262:TRP:NE1	1.64	1.10
1:D:212:ALA:O	1:D:213:VAL:HB	1.52	1.10
1:D:242:ALA:HB1	1:D:245:ILE:CG1	1.80	1.10
1:D:556:THR:HA	1:D:559:LEU:HD23	1.33	1.10
1:D:1231:LEU:HG	1:D:1232:GLU:H	0.98	1.10
1:A:176:THR:HA	1:A:218:SER:HB2	1.13	1.10
2:C:203:ARG:CA	2:C:325:ARG:HD3	1.81	1.10
1:D:798:ILE:HG22	1:D:869:ARG:HH22	1.06	1.10
2:F:241:TRP:CB	2:F:336:LEU:HD12	1.80	1.10
1:A:436:PRO:HB2	1:A:879:GLN:HA	1.33	1.10
1:A:490:TRP:HA	1:A:580:LEU:HD22	1.29	1.10

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:435:MET:HE2	2:C:435:MET:HA	1.22	1.10
1:D:504:LYS:HB2	1:D:523:ASP:HB2	1.10	1.10
2:C:180:LYS:HE3	2:C:180:LYS:C	1.77	1.10
2:C:382:LYS:HD3	2:C:411:ILE:HG13	1.34	1.10
1:D:270:ASN:OD1	1:D:294:THR:HG21	1.51	1.10
2:E:403:PHE:HD1	2:E:413:VAL:HB	1.01	1.10
1:A:288:ARG:HA	1:A:288:ARG:HE	0.96	1.09
1:A:575:LYS:HG3	1:A:576:LEU:H	1.11	1.09
1:A:997:LEU:HD22	1:A:998:SER:H	1.00	1.09
1:A:1148:ARG:HG2	1:A:1148:ARG:HH11	1.11	1.09
2:C:423:SER:OG	2:C:428:LEU:HD21	1.51	1.09
2:C:446:THR:O	2:C:450:ASN:HB3	1.49	1.09
1:D:1207:GLU:HA	1:D:1210:TYR:HB3	1.33	1.09
1:D:1210:TYR:OH	1:D:1212:ILE:HB	1.52	1.09
2:E:389:ARG:HE	2:E:390:GLY:N	1.48	1.09
2:C:466:MET:HB3	2:C:471:LEU:HD22	1.24	1.09
1:D:350:ILE:HG23	1:D:352:SER:HB2	1.30	1.09
1:D:461:LYS:HA	1:D:464:MET:HE3	1.28	1.09
2:F:82:SER:HA	2:F:86:LEU:HD21	1.30	1.09
2:F:127:PRO:CD	2:F:210:GLN:HB2	1.82	1.09
2:F:466:MET:HB3	2:F:471:LEU:HD22	1.12	1.09
1:A:346:ASP:HB3	1:A:1040:LYS:HZ3	1.16	1.09
1:A:363:ARG:HD2	1:A:406:VAL:HB	1.29	1.09
1:A:515:ILE:HG21	1:A:565:HIS:HA	1.29	1.09
1:A:606:THR:HG21	1:A:612:LEU:HB3	1.34	1.09
1:D:551:LYS:H	1:D:551:LYS:HD2	0.95	1.09
1:D:607:TRP:HB2	1:D:779:LEU:HD23	1.33	1.09
1:A:1043:VAL:HA	1:A:1046:GLU:H	1.16	1.09
2:B:204:LEU:HG	2:B:325:ARG:HH21	1.18	1.09
1:D:458:GLU:HA	1:D:461:LYS:HD3	1.30	1.09
1:D:1206:MET:CG	2:F:257:ARG:HH11	1.66	1.09
2:F:276:SER:O	2:F:287:ASN:HB2	1.51	1.09
1:A:190:PRO:HB3	1:A:192:GLU:CG	1.81	1.09
2:F:236:GLU:HA	2:F:341:ASP:HB3	1.33	1.09
2:B:262:TRP:O	2:B:265:LYS:HB3	1.52	1.08
2:F:346:MET:HE3	2:F:347:LEU:HD12	1.27	1.08
2:B:72:ILE:HA	2:B:75:ARG:NE	1.67	1.08
2:C:456:ARG:HB2	2:C:463:LYS:CA	1.84	1.08
1:D:245:ILE:HG13	1:D:246:PRO:N	1.63	1.08
1:D:1001:GLY:HA2	1:D:1004:LEU:HD22	1.09	1.08
2:F:301:GLU:HB3	2:F:339:ASN:HB3	1.31	1.08

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:371:LYS:HD3	1:A:396:CYS:HA	1.30	1.08
2:C:239:LEU:O	2:C:336:LEU:HD22	1.52	1.08
1:D:316:LYS:HG2	1:D:348:LEU:HG	1.36	1.08
1:D:546:ARG:HH21	2:F:404:ASN:HB3	1.11	1.08
1:D:797:MET:HB2	1:D:869:ARG:CD	1.82	1.08
2:E:249:ASN:HD21	2:E:285:LYS:HE2	1.12	1.08
2:E:322:LEU:O	2:E:324:GLY:N	1.86	1.08
1:A:228:LEU:HD23	1:A:229:VAL:N	1.68	1.08
1:A:271:VAL:HG12	1:A:272:SER:H	1.14	1.08
1:A:374:ARG:HE	1:A:392:LEU:HD13	1.17	1.08
1:A:549:LEU:HD21	2:C:398:VAL:HB	1.12	1.08
2:C:234:LYS:HZ3	2:C:344:ARG:HD2	0.97	1.08
2:C:421:MET:HG3	2:C:422:GLN:H	1.14	1.08
1:D:888:GLY:HA3	1:D:1138:ARG:HD3	1.24	1.08
2:E:382:LYS:HG2	2:E:412:SER:HB2	1.31	1.08
2:F:234:LYS:HZ3	2:F:344:ARG:HD2	0.98	1.08
1:A:249:VAL:HG21	1:A:817:PRO:HD3	1.20	1.08
1:A:1068:ASP:H	1:A:1071:ARG:HG2	1.16	1.08
2:B:371:VAL:HA	2:B:433:ASP:HB3	1.09	1.08
1:D:612:LEU:HD21	1:D:622:TYR:CD1	1.89	1.08
1:D:874:LEU:O	1:D:878:VAL:HG22	1.52	1.08
1:D:1116:MET:HE1	1:D:1153:LEU:HA	1.30	1.08
2:F:127:PRO:HD2	2:F:210:GLN:HB2	1.30	1.08
1:A:297:MET:SD	1:A:411:LEU:HD22	1.94	1.07
2:C:375:HIS:H	2:C:378:LEU:HD22	1.16	1.07
2:C:385:LEU:HD11	2:C:402:LEU:HB2	1.36	1.07
1:D:1141:VAL:HB	1:D:1146:ARG:NE	1.68	1.07
1:D:1172:ASP:O	1:D:1173:LEU:HG	1.54	1.07
1:A:213:VAL:HG13	1:A:221:TYR:OH	1.50	1.07
1:A:439:GLN:HG2	1:A:835:GLY:CA	1.83	1.07
1:A:802:ARG:O	1:A:805:HIS:HB3	1.53	1.07
1:D:585:TRP:HB3	1:D:587:PRO:HD2	1.35	1.07
1:D:1067:SER:HA	1:D:1071:ARG:HA	1.12	1.07
2:E:371:VAL:HA	2:E:433:ASP:OD2	1.53	1.07
2:E:456:ARG:HB2	2:E:463:LYS:HG2	1.27	1.07
2:F:242:PHE:HB3	2:F:333:PRO:HB2	1.35	1.07
2:F:435:MET:HE2	2:F:435:MET:HA	1.33	1.07
1:A:170:ALA:HB1	1:A:175:TRP:HZ2	1.10	1.07
1:A:603:MET:O	1:A:605:LEU:HG	1.53	1.07
1:A:645:VAL:O	1:A:646:VAL:HG12	1.54	1.07
1:A:1131:ILE:HG21	1:A:1138:ARG:N	1.70	1.07

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1145:ASP:HB3	1:A:1148:ARG:CZ	1.83	1.07
2:C:208:LEU:CD1	2:C:240:VAL:HB	1.82	1.07
2:C:239:LEU:N	2:C:338:VAL:HG12	1.68	1.07
1:D:356:LEU:HD13	1:D:369:LEU:HD21	1.37	1.07
1:D:389:PHE:HA	1:D:393:MET:CG	1.84	1.07
1:D:598:VAL:HA	1:D:601:LYS:HE2	1.36	1.07
1:D:869:ARG:H	1:D:1200:PRO:CB	1.66	1.07
1:A:249:VAL:HG21	1:A:817:PRO:CD	1.82	1.07
1:D:389:PHE:HA	1:D:393:MET:HG3	1.34	1.07
1:D:1069:ILE:HG23	1:D:1070:PRO:CD	1.85	1.07
1:A:80:SER:N	1:A:83:LEU:HD11	1.69	1.07
1:A:503:VAL:CB	1:A:521:PRO:HA	1.85	1.07
2:B:105:GLU:OE1	2:B:380:PRO:HA	1.55	1.07
2:B:309:HIS:HB3	2:B:312:LEU:CD2	1.83	1.07
2:B:323:HIS:HA	2:B:332:VAL:HA	1.36	1.07
2:C:301:GLU:HB3	2:C:339:ASN:HB3	1.36	1.07
1:D:203:LEU:HB3	1:D:380:GLY:HA3	1.31	1.07
1:D:294:THR:HG22	1:D:407:PHE:CE2	1.89	1.07
1:D:670:PRO:HG2	1:D:673:ALA:HB2	1.29	1.07
1:A:232:ARG:HB3	1:A:239:LEU:HD22	1.13	1.06
1:A:618:HIS:HB2	1:A:725:PRO:HB2	1.36	1.06
1:A:996:ARG:HH22	1:A:1003:TRP:HB3	1.13	1.06
2:B:213:VAL:HA	2:B:235:THR:O	1.55	1.06
2:C:443:VAL:CA	2:C:447:THR:HG21	1.84	1.06
1:D:181:GLU:HA	1:D:181:GLU:OE1	1.46	1.06
2:E:203:ARG:HH12	2:F:418:LEU:HD22	1.14	1.06
2:E:418:LEU:HD22	2:F:122:ARG:HH21	1.14	1.06
2:F:372:LEU:HD11	2:F:436:SER:CB	1.83	1.06
1:A:893:SER:HB2	1:A:896:LEU:HB2	1.31	1.06
1:A:1026:ARG:HB3	1:A:1029:GLN:CG	1.84	1.06
2:B:417:TYR:OH	2:C:122:ARG:HD3	1.52	1.06
1:D:107:LEU:HD21	1:D:913:CYS:HA	1.36	1.06
1:D:210:THR:HG23	1:D:224:CYS:HB3	1.36	1.06
1:D:279:ARG:CD	1:D:841:LEU:HB3	1.85	1.06
1:D:351:SER:C	1:D:358:GLU:OE2	1.97	1.06
1:D:1188:CYS:C	1:D:1189:LEU:HD22	1.80	1.06
2:E:107:ARG:HH11	2:E:107:ARG:CG	1.67	1.06
1:A:784:GLY:H	2:C:363:ARG:CD	1.69	1.06
1:A:869:ARG:HG2	1:A:870:VAL:H	1.16	1.06
1:A:903:GLY:CA	1:A:1002:GLU:HB3	1.85	1.06
1:D:856:GLU:OE1	1:D:859:TRP:HB2	1.54	1.06

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:989:THR:HA	1:D:998:SER:OG	1.56	1.06
1:A:363:ARG:NH1	1:A:406:VAL:HA	1.70	1.06
1:A:613:HIS:HB3	1:A:717:LEU:HG	1.35	1.06
1:A:845:VAL:HB	1:A:855:VAL:HB	1.36	1.06
1:A:875:LYS:O	1:A:878:VAL:HG23	1.54	1.06
1:A:1014:ARG:HB2	1:A:1026:ARG:CZ	1.85	1.06
1:A:1030:ARG:HG2	1:A:1040:LYS:HZ1	1.14	1.06
2:B:202:LYS:O	2:B:325:ARG:HD2	1.53	1.06
1:D:177:ARG:HB3	1:D:218:SER:HB3	1.37	1.06
1:D:927:ARG:HG2	1:D:928:GLY:H	1.09	1.06
1:D:1005:VAL:HA	1:D:1008:LEU:CD1	1.85	1.06
1:D:1055:SER:HA	1:D:1058:PHE:HB3	1.06	1.06
1:D:1193:VAL:HG22	1:D:1194:THR:N	1.66	1.06
1:D:1209:ARG:HH21	2:F:253:ASP:CA	1.67	1.06
2:E:443:VAL:HG22	2:E:453:ILE:HG21	1.33	1.06
2:F:247:THR:HB	2:F:251:TRP:HD1	1.15	1.06
2:F:406:LEU:HA	2:F:409:ASN:ND2	1.70	1.06
2:F:454:HIS:CB	2:F:466:MET:HB2	1.86	1.06
2:C:242:PHE:HB3	2:C:333:PRO:HB2	1.36	1.06
1:D:203:LEU:H	1:D:380:GLY:CA	1.69	1.06
2:F:125:VAL:HG22	2:F:208:LEU:HA	1.07	1.06
1:A:76:ILE:HG13	1:A:77:GLN:HG3	1.36	1.05
1:D:504:LYS:HB2	1:D:523:ASP:CB	1.85	1.05
1:D:546:ARG:NH2	2:F:404:ASN:HB3	1.69	1.05
1:D:956:GLY:HA2	1:D:1094:THR:HG23	1.08	1.05
2:E:390:GLY:N	2:E:395:LEU:HG	1.69	1.05
2:F:446:THR:HG21	2:F:450:ASN:OD1	1.56	1.05
1:A:76:ILE:HG23	1:A:77:GLN:H	0.95	1.05
1:A:1005:VAL:HA	1:A:1008:LEU:HD13	1.34	1.05
2:B:285:LYS:CG	2:B:286:GLY:H	1.69	1.05
1:D:959:GLN:HB2	1:D:960:PRO:HD2	1.39	1.05
2:E:105:GLU:OE2	2:E:382:LYS:O	1.74	1.05
2:E:254:PHE:HA	2:E:257:ARG:HB3	1.37	1.05
2:F:239:LEU:O	2:F:336:LEU:HD22	1.56	1.05
1:A:607:TRP:HA	1:A:610:PHE:O	1.54	1.05
2:B:336:LEU:HD21	2:B:338:VAL:HG23	1.31	1.05
2:C:241:TRP:CB	2:C:336:LEU:HD12	1.85	1.05
1:D:432:VAL:HG11	1:D:1128:ARG:HE	1.20	1.05
1:D:591:LEU:CD1	1:D:594:LEU:HG	1.86	1.05
1:D:612:LEU:HB2	1:D:620:TRP:HB2	1.34	1.05
1:D:885:THR:HB	1:D:1146:ARG:HD2	1.34	1.05

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:208:LEU:HD11	2:F:240:VAL:HB	1.38	1.05
1:A:215:ILE:HG23	1:A:216:SER:H	1.20	1.05
2:B:101:PRO:HA	2:C:128:VAL:HG21	1.34	1.05
1:D:428:LEU:H	1:D:428:LEU:CD1	1.68	1.05
1:D:798:ILE:CG2	1:D:869:ARG:HH12	1.69	1.05
1:D:367:PRO:HD2	1:D:368:PRO:HD3	1.05	1.05
1:A:297:MET:HE1	1:A:411:LEU:HD13	1.10	1.04
1:A:1026:ARG:HB3	1:A:1029:GLN:CB	1.86	1.04
1:A:1027:LYS:HB2	1:A:1092:PHE:HD2	1.22	1.04
1:D:620:TRP:O	1:D:748:TRP:HB2	1.56	1.04
2:F:203:ARG:HA	2:F:325:ARG:HD3	1.07	1.04
2:F:387:VAL:HA	2:F:443:VAL:HG22	1.09	1.04
1:A:167:PRO:HG2	1:A:177:ARG:HG3	1.38	1.04
1:A:612:LEU:HG	1:A:613:HIS:N	1.59	1.04
1:A:667:GLN:O	1:A:670:PRO:HD2	1.58	1.04
2:C:431:LYS:HA	2:C:434:GLU:OE1	1.56	1.04
1:D:822:PRO:HD2	1:D:825:VAL:CG2	1.87	1.04
2:E:382:LYS:HG3	2:E:383:VAL:N	1.72	1.04
1:A:728:THR:HG22	1:A:729:GLN:H	1.20	1.04
2:C:85:GLN:HB3	2:C:95:CYS:O	1.56	1.04
2:C:342:LEU:CD2	2:C:345:GLY:H	1.71	1.04
1:D:411:LEU:O	1:D:415:LEU:HB2	1.56	1.04
2:E:436:SER:C	2:E:437:ILE:HD12	1.82	1.04
2:F:203:ARG:HA	2:F:325:ARG:CD	1.87	1.04
1:A:239:LEU:O	1:A:241:PRO:HD2	1.58	1.04
1:A:959:GLN:CB	1:A:960:PRO:HD3	1.87	1.04
2:B:74:GLN:HG3	2:B:75:ARG:N	1.66	1.04
1:A:885:THR:CB	1:A:1146:ARG:HE	1.70	1.04
1:A:1056:GLU:HA	1:A:1059:ASN:ND2	1.73	1.04
1:A:1208:ARG:NH2	2:C:277:ASP:OD2	1.91	1.04
2:C:442:LEU:O	2:C:455:LEU:HD22	1.56	1.04
1:D:428:LEU:H	1:D:428:LEU:HD12	0.93	1.04
1:D:822:PRO:HD2	1:D:825:VAL:HG21	1.07	1.04
2:E:403:PHE:CD1	2:E:413:VAL:HB	1.92	1.04
2:F:342:LEU:CD2	2:F:345:GLY:H	1.71	1.04
1:A:161:GLN:O	1:A:163:PRO:HD3	1.56	1.03
1:A:1060:LYS:HE3	1:A:1065:ALA:H	1.18	1.03
2:C:406:LEU:HA	2:C:409:ASN:ND2	1.73	1.03
1:D:798:ILE:HG22	1:D:869:ARG:NH2	1.71	1.03
1:D:1029:GLN:NE2	1:D:1030:ARG:HH21	1.55	1.03
2:F:239:LEU:H	2:F:338:VAL:CG1	1.70	1.03

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:608:ASP:CB	1:A:779:LEU:HD13	1.87	1.03
1:A:916:PHE:HA	1:A:919:MET:HB2	1.35	1.03
1:A:1047:ARG:NH1	1:A:1047:ARG:HA	1.72	1.03
2:B:374:LEU:H	2:B:458:ARG:NH2	1.56	1.03
1:D:157:LEU:HD21	1:D:194:ALA:HB3	1.37	1.03
1:A:1236:GLN:HB3	1:A:1237:PRO:HD3	1.40	1.03
2:C:244:PRO:HD2	2:C:247:THR:HG21	1.39	1.03
1:D:114:GLY:C	1:D:116:PRO:HD3	1.83	1.03
1:D:641:GLU:C	1:D:645:VAL:HG21	1.81	1.03
1:A:175:TRP:HB3	1:A:186:PRO:HD3	1.41	1.03
1:A:669:MET:O	1:A:673:ALA:CB	2.06	1.03
1:A:1006:ARG:NH2	1:A:1010:LEU:HD11	1.74	1.03
1:A:1128:ARG:HG3	1:A:1129:PHE:N	1.69	1.03
1:D:348:LEU:HD21	1:D:350:ILE:HG13	1.35	1.03
2:E:107:ARG:HH11	2:E:107:ARG:HG3	0.89	1.03
2:F:382:LYS:HD3	2:F:411:ILE:HG13	1.34	1.03
2:F:466:MET:HE3	2:F:471:LEU:HB3	1.41	1.03
1:A:80:SER:H	1:A:83:LEU:HD11	1.19	1.03
1:A:371:LYS:O	1:A:373:PRO:HD3	1.56	1.03
1:D:371:LYS:HA	1:D:374:ARG:CD	1.88	1.03
1:D:798:ILE:HG23	1:D:869:ARG:HH12	1.17	1.03
1:D:886:LEU:C	1:D:1146:ARG:HH12	1.67	1.03
2:F:372:LEU:HD21	2:F:435:MET:C	1.84	1.03
2:F:473:ASP:HA	2:F:476:ILE:CG2	1.89	1.03
1:A:249:VAL:CG2	1:A:817:PRO:HD3	1.89	1.02
1:A:439:GLN:HG2	1:A:835:GLY:HA3	1.38	1.02
1:A:997:LEU:CD2	1:A:998:SER:H	1.71	1.02
2:C:236:GLU:HA	2:C:341:ASP:CB	1.87	1.02
1:D:345:TRP:HA	1:D:1040:LYS:HZ3	1.23	1.02
1:D:866:ARG:HB3	1:D:867:PRO:HD3	1.41	1.02
2:E:262:TRP:HA	2:E:265:LYS:HE3	1.40	1.02
2:F:386:ASP:O	2:F:443:VAL:HG13	1.59	1.02
2:F:466:MET:CB	2:F:471:LEU:HD22	1.89	1.02
1:A:125:LEU:HD23	1:A:125:LEU:H	1.19	1.02
2:C:343:ASP:C	2:C:347:LEU:HD13	1.81	1.02
1:D:213:VAL:HG22	1:D:401:TRP:CH2	1.93	1.02
1:D:275:ARG:HD2	1:D:843:GLN:CD	1.83	1.02
1:D:775:GLU:HA	1:D:780:GLN:HG2	1.40	1.02
1:D:815:TRP:HA	1:D:838:GLY:HA3	1.41	1.02
1:D:854:ALA:HB1	1:D:860:LEU:CD1	1.88	1.02
1:D:1209:ARG:NH1	2:F:252:LEU:HD13	1.74	1.02

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:288:ARG:HA	1:A:288:ARG:NE	1.64	1.02
1:A:498:LYS:HE3	1:A:518:ALA:H	1.23	1.02
1:A:645:VAL:O	1:A:650:ARG:HD2	1.60	1.02
1:D:623:LEU:O	1:D:625:PRO:HD3	1.59	1.02
2:E:428:LEU:HD13	2:E:428:LEU:H	1.25	1.02
2:E:447:THR:HG21	2:E:453:ILE:HG23	1.40	1.02
2:F:200:VAL:HG11	2:F:204:LEU:HB2	1.38	1.02
2:F:439:PHE:HD1	2:F:458:ARG:HB2	1.20	1.02
1:A:203:LEU:C	1:A:205:GLU:H	1.44	1.02
1:A:479:TYR:O	1:A:480:LYS:HG2	1.57	1.02
1:A:853:ARG:NH1	1:A:1105:ALA:HB3	1.73	1.02
2:C:300:ILE:HG23	2:C:342:LEU:HD11	1.40	1.02
2:C:430:SER:O	2:C:434:GLU:HG3	1.59	1.02
1:D:420:HIS:HD1	1:D:421:PRO:CD	1.71	1.02
1:D:605:LEU:HD22	1:D:781:ALA:CB	1.88	1.02
2:F:209:ALA:HB1	2:F:238:SER:O	1.60	1.02
1:A:192:GLU:HB3	1:A:217:PRO:HG2	1.39	1.02
1:A:444:TYR:CD2	1:A:874:LEU:HD23	1.94	1.02
1:A:925:LYS:HG3	1:A:926:SER:N	1.73	1.02
1:A:1128:ARG:HG3	1:A:1129:PHE:H	0.89	1.02
1:D:135:LEU:HD23	1:D:135:LEU:H	1.22	1.02
2:E:186:LEU:O	2:E:190:LEU:HD13	1.58	1.02
2:F:386:ASP:HB2	2:F:442:LEU:HA	1.03	1.02
2:F:386:ASP:HB3	2:F:442:LEU:HD23	1.40	1.02
1:A:612:LEU:HD22	1:A:621:GLY:H	0.85	1.01
1:A:623:LEU:HB3	1:A:667:GLN:NE2	1.74	1.01
1:D:86:GLN:NE2	1:D:132:GLY:H	1.56	1.01
1:D:297:MET:HG2	1:D:411:LEU:HD22	1.40	1.01
1:D:607:TRP:CD1	1:D:780:GLN:N	2.27	1.01
1:D:717:LEU:O	1:D:721:ALA:HB2	1.59	1.01
1:D:880:ALA:HB2	1:D:1187:ARG:O	1.58	1.01
1:D:992:LEU:HB3	1:D:996:ARG:CG	1.90	1.01
1:D:1014:ARG:CG	1:D:1026:ARG:HE	1.72	1.01
1:D:1027:LYS:HZ2	1:D:1091:GLU:HG2	1.13	1.01
2:E:266:PHE:HB3	2:E:376:PRO:HD3	1.39	1.01
2:E:377:CYS:C	2:E:380:PRO:HD2	1.83	1.01
2:F:314:MET:HE3	2:F:315:TYR:HE2	1.21	1.01
1:A:408:GLN:HA	1:A:411:LEU:CG	1.89	1.01
1:A:1190:ARG:CZ	1:A:1197:CYS:HB2	1.89	1.01
2:B:419:GLU:HB2	2:C:203:ARG:NH2	1.75	1.01
1:D:213:VAL:HG21	1:D:397:ALA:HB1	1.40	1.01

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:249:VAL:HG13	1:D:252:GLY:H	0.90	1.01
1:D:577:CYS:O	1:D:579:ARG:N	1.93	1.01
1:D:1131:ILE:CD1	1:D:1131:ILE:H	1.73	1.01
1:A:608:ASP:HB3	1:A:779:LEU:HD13	1.02	1.01
1:A:1068:ASP:H	1:A:1071:ARG:CG	1.73	1.01
2:C:403:PHE:CE1	2:C:415:PRO:HG3	1.96	1.01
1:D:275:ARG:NE	1:D:843:GLN:N	2.07	1.01
1:D:735:GLY:HA3	1:D:749:PHE:HB3	1.42	1.01
2:F:126:PHE:HA	2:F:209:ALA:O	1.58	1.01
1:A:369:PRO:HB2	1:A:372:GLU:HG3	1.03	1.01
2:C:200:VAL:HG21	2:C:204:LEU:HD22	1.42	1.01
2:C:386:ASP:HB3	2:C:442:LEU:HD23	1.38	1.01
1:D:195:LEU:H	1:D:265:LEU:HD22	1.25	1.01
1:D:249:VAL:HG13	1:D:252:GLY:N	1.75	1.01
1:D:420:HIS:HD1	1:D:421:PRO:HD2	0.85	1.01
1:D:483:PRO:O	1:D:486:TRP:HB2	1.61	1.01
1:D:503:VAL:O	1:D:505:LYS:N	1.92	1.01
1:D:610:PHE:H	1:D:611:PRO:CD	1.73	1.01
1:D:1141:VAL:HB	1:D:1146:ARG:HE	0.87	1.01
2:E:431:LYS:C	2:E:433:ASP:H	1.67	1.01
1:A:222:SER:HB2	1:A:223:TRP:CD1	1.96	1.01
1:A:408:GLN:O	1:A:412:PRO:HD3	1.61	1.01
1:A:615:SER:HB2	1:A:725:PRO:HB3	1.42	1.01
1:A:1060:LYS:HD3	1:A:1073:PRO:CB	1.90	1.01
2:C:277:ASP:OD2	2:C:287:ASN:HB3	1.59	1.01
2:C:341:ASP:O	2:C:342:LEU:HD13	1.60	1.01
2:C:454:HIS:HB3	2:C:466:MET:HB2	1.43	1.01
1:D:179:GLY:HA3	1:D:182:GLY:CA	1.90	1.01
1:D:439:GLN:HE21	1:D:835:GLY:HA3	1.23	1.01
1:D:612:LEU:HD21	1:D:622:TYR:CE1	1.95	1.01
1:D:736:ASN:HA	1:D:750:PHE:CE1	1.95	1.01
1:D:870:VAL:O	1:D:873:GLU:HG2	1.60	1.01
1:D:904:ASP:HB3	1:D:912:GLY:HA3	1.38	1.01
1:D:932:HIS:O	1:D:935:THR:HG22	1.59	1.01
2:F:431:LYS:HA	2:F:434:GLU:OE1	1.60	1.01
2:F:446:THR:HB	2:F:450:ASN:CB	1.90	1.01
1:A:118:VAL:N	1:A:119:PRO:HD3	1.73	1.00
1:A:615:SER:CB	1:A:725:PRO:HB3	1.91	1.00
1:A:1179:PHE:HB3	1:A:1220:ILE:HG12	1.43	1.00
2:C:393:LEU:HD23	2:C:396:ARG:HG2	1.42	1.00
1:D:1019:TRP:CE3	1:D:1168:LEU:HG	1.94	1.00

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1057:MET:HB3	1:D:1064:ILE:HD11	1.41	1.00
2:E:82:SER:H	2:E:85:GLN:HG3	1.26	1.00
2:F:245:PRO:O	2:F:248:SER:HB2	1.61	1.00
2:F:387:VAL:HG12	2:F:443:VAL:HG21	1.43	1.00
1:A:175:TRP:HB2	1:A:184:ALA:HA	1.44	1.00
1:A:420:HIS:CD2	1:A:1020:ILE:HG21	1.96	1.00
1:A:639:THR:HB	1:A:640:LEU:HD23	1.39	1.00
1:A:871:GLY:C	1:A:873:GLU:N	2.10	1.00
2:B:268:MET:H	2:B:270:PRO:HD2	1.19	1.00
1:D:597:ARG:C	1:D:616:GLU:OE1	2.05	1.00
1:D:1131:ILE:HD11	1:D:1138:ARG:CA	1.91	1.00
2:E:78:PHE:HA	2:E:102:LEU:HB3	1.41	1.00
2:F:190:LEU:O	2:F:193:TYR:HB3	1.62	1.00
2:F:241:TRP:CB	2:F:336:LEU:HB2	1.90	1.00
2:F:304:TRP:H	2:F:337:SER:HB2	0.84	1.00
1:A:866:ARG:HG2	1:A:1069:ILE:HG21	1.42	1.00
1:D:269:HIS:O	1:D:294:THR:HG23	1.61	1.00
1:D:275:ARG:NH1	1:D:843:GLN:HG2	1.76	1.00
1:D:441:TRP:CE2	1:D:879:GLN:HA	1.97	1.00
1:D:1006:ARG:HH12	1:D:1009:ASN:HB2	0.83	1.00
2:E:331:VAL:HG22	2:E:333:PRO:HD3	1.42	1.00
2:E:432:TYR:HA	2:E:435:MET:CB	1.91	1.00
2:F:375:HIS:H	2:F:378:LEU:HD22	1.25	1.00
1:A:1047:ARG:HA	1:A:1047:ARG:HH11	1.20	1.00
2:B:260:LEU:C	2:B:264:ARG:HD3	1.86	1.00
2:C:234:LYS:NZ	2:C:344:ARG:HD2	1.74	1.00
2:E:432:TYR:HB2	2:E:437:ILE:HD11	1.00	1.00
2:F:125:VAL:HG22	2:F:208:LEU:CA	1.91	1.00
1:A:213:VAL:HG12	1:A:401:TRP:HE1	0.83	1.00
1:A:267:VAL:HG23	1:A:291:PHE:CD2	1.97	1.00
1:A:436:PRO:HG2	1:A:879:GLN:HB3	1.44	1.00
1:D:374:ARG:HD3	1:D:392:LEU:HD21	1.41	1.00
1:D:1197:CYS:H	1:D:1204:THR:HG23	1.26	1.00
2:F:127:PRO:HD3	2:F:209:ALA:C	1.87	1.00
2:F:301:GLU:CB	2:F:339:ASN:HB3	1.90	1.00
2:C:356:LEU:HB3	2:C:359:ASN:HD21	1.21	1.00
1:D:946:ALA:HA	1:D:949:PHE:CE2	1.95	1.00
1:D:1165:ALA:CB	1:D:1173:LEU:HD12	1.90	1.00
1:A:175:TRP:HB2	1:A:184:ALA:CA	1.92	1.00
2:C:134:LYS:HB3	2:C:180:LYS:HD3	1.43	1.00
2:C:301:GLU:CB	2:C:339:ASN:HB3	1.90	1.00

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:522:GLY:O	1:D:524:PRO:HD3	1.62	1.00
1:A:1141:VAL:HB	1:A:1146:ARG:HD2	1.44	0.99
2:B:453:ILE:HD12	2:B:468:ILE:HB	1.43	0.99
1:D:251:THR:OG1	1:D:254:SER:HA	1.62	0.99
1:D:504:LYS:CD	1:D:523:ASP:HB3	1.90	0.99
2:E:128:VAL:HG13	2:E:210:GLN:HE21	1.24	0.99
2:E:283:GLY:HA3	2:E:306:LEU:HA	1.44	0.99
2:F:386:ASP:HB2	2:F:442:LEU:CA	1.90	0.99
2:F:454:HIS:HB3	2:F:466:MET:HB2	1.42	0.99
1:A:792:LEU:HD12	1:A:793:GLU:H	1.22	0.99
2:C:325:ARG:HH11	2:C:325:ARG:HG3	1.23	0.99
1:D:242:ALA:CB	1:D:245:ILE:HG12	1.92	0.99
1:D:775:GLU:HB3	1:D:796:LYS:HE2	1.44	0.99
2:F:468:ILE:O	2:F:472:LYS:HG2	1.59	0.99
2:B:285:LYS:HG2	2:B:286:GLY:H	0.85	0.99
2:C:387:VAL:HG11	2:C:399:CYS:HB3	1.44	0.99
1:D:1151:LEU:O	1:D:1155:ILE:HG12	1.63	0.99
1:A:297:MET:HE2	1:A:415:LEU:HD21	1.44	0.99
1:A:378:VAL:CB	1:A:381:THR:HG23	1.93	0.99
2:B:396:ARG:HD2	2:B:417:TYR:HB2	1.44	0.99
1:D:1198:LYS:HA	1:D:1204:THR:OG1	1.59	0.99
2:F:473:ASP:HA	2:F:476:ILE:HG23	1.45	0.99
1:A:634:LEU:HB3	1:A:635:PRO:HA	1.45	0.99
2:B:127:PRO:HB2	2:C:104:VAL:HG11	1.41	0.99
2:B:244:PRO:O	2:B:248:SER:HB2	1.61	0.99
2:F:325:ARG:HH11	2:F:325:ARG:HG3	1.26	0.99
1:A:152:GLU:HA	1:A:155:ASN:HD22	1.26	0.99
1:A:378:VAL:C	1:A:380:GLY:N	2.19	0.99
1:A:623:LEU:HB3	1:A:667:GLN:HE22	1.24	0.99
2:B:374:LEU:HB2	2:B:458:ARG:HH12	1.26	0.99
1:D:775:GLU:O	1:D:776:ASP:HB3	1.59	0.99
2:F:131:LEU:HG	2:F:133:HIS:CE1	1.97	0.99
1:A:210:THR:O	1:A:211:LEU:HB2	1.62	0.99
1:D:128:PRO:CA	1:D:130:LEU:HD21	1.91	0.99
2:F:244:PRO:HD2	2:F:247:THR:HG21	1.42	0.99
1:A:316:LYS:HD2	1:A:350:ILE:HG12	1.40	0.99
1:A:655:LEU:HB2	1:A:719:LEU:HB3	1.44	0.99
1:A:962:ALA:HB2	1:A:986:TYR:OH	1.60	0.99
1:D:74:LEU:CD1	1:D:77:GLN:HA	1.93	0.99
1:D:490:TRP:CZ2	1:D:598:VAL:HB	1.97	0.99
1:A:624:VAL:O	1:A:626:GLY:N	1.95	0.99

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:793:GLU:HA	1:A:796:LYS:HD3	1.44	0.99
1:A:1057:MET:O	1:A:1064:ILE:HG21	1.62	0.99
2:C:466:MET:SD	2:C:471:LEU:HD23	2.03	0.99
1:D:441:TRP:NE1	1:D:879:GLN:HA	1.74	0.99
1:D:1019:TRP:HE3	1:D:1168:LEU:HG	1.21	0.99
1:A:192:GLU:CB	1:A:217:PRO:HG2	1.93	0.98
2:C:396:ARG:HH11	2:C:397:GLN:HA	1.26	0.98
1:D:270:ASN:HA	1:D:294:THR:CG2	1.92	0.98
1:D:375:GLU:O	1:D:379:LYS:N	1.96	0.98
1:D:608:ASP:HB3	1:D:620:TRP:CE3	1.98	0.98
1:D:741:ASP:HB2	1:D:748:TRP:HH2	1.28	0.98
1:A:502:LYS:HG3	1:A:503:VAL:N	1.74	0.98
1:A:879:GLN:HB2	1:A:886:LEU:HD11	1.45	0.98
1:D:577:CYS:C	1:D:579:ARG:H	1.70	0.98
1:D:994:TRP:O	1:D:995:TYR:HB3	1.62	0.98
1:D:1005:VAL:HA	1:D:1008:LEU:HD13	1.41	0.98
2:F:236:GLU:CA	2:F:341:ASP:HB3	1.93	0.98
2:F:454:HIS:HD2	2:F:468:ILE:HA	1.24	0.98
1:A:272:SER:HB3	1:A:273:PHE:HD2	1.27	0.98
2:C:468:ILE:O	2:C:472:LYS:HG2	1.60	0.98
1:D:1193:VAL:HG22	1:D:1194:THR:H	0.85	0.98
2:F:317:GLY:CA	2:F:320:SER:HB2	1.92	0.98
1:A:192:GLU:OE2	1:A:194:ALA:N	1.97	0.98
1:A:869:ARG:HG2	1:A:870:VAL:N	1.71	0.98
1:D:73:PRO:HG3	1:D:90:GLN:HG2	1.43	0.98
1:D:245:ILE:HG13	1:D:246:PRO:CD	1.92	0.98
1:D:375:GLU:CG	1:D:379:LYS:HB3	1.93	0.98
1:D:551:LYS:HD2	1:D:551:LYS:N	1.63	0.98
1:A:382:MET:SD	1:A:383:LYS:N	2.36	0.98
1:A:621:GLY:HA2	1:A:748:TRP:HB3	1.42	0.98
2:B:308:ASP:HB3	2:B:309:HIS:ND1	1.79	0.98
2:C:203:ARG:HA	2:C:325:ARG:CD	1.92	0.98
1:A:222:SER:HB2	1:A:223:TRP:HD1	1.26	0.98
1:A:273:PHE:HA	1:A:276:ALA:CB	1.94	0.98
1:A:996:ARG:HB2	1:A:1004:LEU:HD22	1.44	0.98
2:B:70:LEU:HD22	2:B:88:ARG:HH11	1.24	0.98
2:B:324:GLY:N	2:B:331:VAL:O	1.95	0.98
2:C:247:THR:HB	2:C:251:TRP:CD1	1.99	0.98
2:F:454:HIS:CD2	2:F:468:ILE:HA	1.97	0.98
1:A:606:THR:HG23	1:A:614:TYR:N	1.79	0.98
1:A:771:LEU:HD22	1:A:771:LEU:H	1.28	0.98

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:815:TRP:HA	1:A:838:GLY:HA3	1.44	0.98
1:A:866:ARG:CG	1:A:1069:ILE:HG21	1.94	0.98
2:B:211:ILE:HA	2:B:237:ALA:HA	1.46	0.98
2:F:85:GLN:HB3	2:F:95:CYS:O	1.62	0.98
1:A:188:ALA:O	1:A:189:ILE:HG23	1.62	0.98
1:A:196:VAL:HG13	1:A:269:HIS:CD2	1.99	0.98
1:A:1204:THR:O	1:A:1204:THR:HG22	1.61	0.98
2:C:372:LEU:HD11	2:C:436:SER:CB	1.94	0.98
2:C:473:ASP:HA	2:C:476:ILE:CG2	1.93	0.98
1:D:1055:SER:CA	1:D:1058:PHE:HB3	1.93	0.98
1:D:1069:ILE:HG23	1:D:1070:PRO:HD2	1.46	0.98
2:E:262:TRP:O	2:E:265:LYS:HB3	1.64	0.98
2:F:236:GLU:HA	2:F:341:ASP:CB	1.93	0.98
2:F:303:LEU:HA	2:F:337:SER:OG	1.63	0.98
1:A:297:MET:SD	1:A:411:LEU:HB2	2.04	0.98
1:A:914:THR:HA	1:A:918:TRP:HB3	1.42	0.98
2:C:82:SER:CA	2:C:86:LEU:HD21	1.94	0.98
2:C:363:ARG:HA	2:C:363:ARG:HH11	1.28	0.98
1:D:128:PRO:HA	1:D:130:LEU:HD21	0.99	0.98
1:D:275:ARG:HH11	1:D:843:GLN:NE2	1.60	0.98
1:D:459:MET:N	1:D:460:LYS:HZ1	1.62	0.98
1:D:926:SER:HB2	1:D:930:ASP:HB2	1.42	0.98
2:E:107:ARG:HG3	2:E:107:ARG:NH1	1.64	0.98
2:F:342:LEU:HD23	2:F:345:GLY:H	1.26	0.98
2:F:372:LEU:CD1	2:F:436:SER:HB2	1.94	0.98
2:F:385:LEU:O	2:F:416:GLY:HA3	1.64	0.98
1:A:498:LYS:HE2	1:A:499:LYS:H	1.29	0.97
2:C:276:SER:O	2:C:287:ASN:HB2	1.62	0.97
2:C:317:GLY:HA3	2:C:320:SER:HB2	1.46	0.97
1:D:345:TRP:HA	1:D:1040:LYS:NZ	1.78	0.97
1:D:428:LEU:HD12	1:D:428:LEU:N	1.78	0.97
1:A:1207:GLU:HB3	1:A:1213:PRO:HG3	1.42	0.97
2:B:323:HIS:HB2	2:B:331:VAL:C	1.88	0.97
1:D:1124:ALA:HB1	1:D:1148:ARG:NH1	1.79	0.97
2:F:102:LEU:HD11	2:F:435:MET:CE	1.92	0.97
2:F:300:ILE:HG22	2:F:301:GLU:HG3	1.44	0.97
1:A:959:GLN:HB2	1:A:960:PRO:HD3	0.99	0.97
1:A:996:ARG:HH12	1:A:1003:TRP:HB2	1.28	0.97
1:A:1188:CYS:C	1:A:1189:LEU:HD22	1.90	0.97
1:D:666:GLN:C	1:D:669:MET:O	2.07	0.97
1:D:959:GLN:HB2	1:D:960:PRO:CD	1.93	0.97

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1200:PRO:HG2	1:D:1203:PRO:HG2	1.44	0.97
2:E:407:LEU:CD2	2:E:412:SER:HA	1.94	0.97
2:B:106:LEU:HD12	2:B:109:ASN:HD22	1.27	0.97
2:C:241:TRP:CB	2:C:336:LEU:HB2	1.95	0.97
2:C:439:PHE:CD1	2:C:458:ARG:HG3	2.00	0.97
1:D:138:HIS:O	1:D:142:LEU:HG	1.64	0.97
1:D:869:ARG:O	1:D:1200:PRO:HG3	1.63	0.97
1:D:1208:ARG:HH12	2:F:285:LYS:HD3	1.27	0.97
2:F:386:ASP:CB	2:F:442:LEU:HA	1.93	0.97
1:A:76:ILE:HG23	1:A:77:GLN:N	1.73	0.97
1:A:253:ALA:CB	1:A:280:GLU:HB2	1.94	0.97
2:B:101:PRO:CA	2:C:128:VAL:HG21	1.95	0.97
1:D:219:ALA:O	1:D:220:TRP:HB2	1.61	0.97
1:D:513:LEU:H	1:D:570:PRO:HG3	1.25	0.97
1:A:76:ILE:CB	1:A:911:HIS:NE2	2.26	0.97
1:A:392:LEU:HG	1:A:395:TYR:CG	1.98	0.97
1:A:526:ASP:O	1:A:527:GLN:HB2	1.64	0.97
1:A:1030:ARG:CG	1:A:1040:LYS:HZ1	1.77	0.97
2:E:456:ARG:CZ	2:E:463:LYS:HE3	1.95	0.97
2:F:82:SER:CA	2:F:86:LEU:HD21	1.93	0.97
1:A:308:GLN:NE2	1:A:1091:GLU:H	1.61	0.97
1:A:849:THR:HG22	1:A:851:THR:H	1.29	0.97
1:A:1057:MET:C	1:A:1064:ILE:HG21	1.89	0.97
2:C:301:GLU:HB3	2:C:339:ASN:CB	1.93	0.97
2:C:419:GLU:OE2	2:C:428:LEU:HD13	1.64	0.97
1:D:656:TYR:HB3	1:D:744:ILE:HG21	1.47	0.97
1:D:876:ALA:HA	1:D:1189:LEU:HB2	1.47	0.97
1:D:1001:GLY:O	1:D:1004:LEU:HB2	1.64	0.97
1:D:1128:ARG:HG3	1:D:1129:PHE:H	1.28	0.97
1:D:1231:LEU:HD11	1:D:1236:GLN:NE2	1.80	0.97
1:A:175:TRP:CB	1:A:184:ALA:HA	1.94	0.97
1:A:451:THR:OG1	1:A:1202:ASN:CG	2.07	0.97
2:C:245:PRO:O	2:C:248:SER:HB2	1.63	0.97
1:D:115:GLN:N	1:D:116:PRO:HD3	1.76	0.97
1:D:1197:CYS:N	1:D:1204:THR:HG23	1.80	0.97
2:E:442:LEU:HD13	2:E:443:VAL:N	1.78	0.97
1:A:755:LYS:HD3	1:A:964:ARG:NH1	1.80	0.97
1:A:927:ARG:O	1:A:930:ASP:HB3	1.65	0.97
2:C:127:PRO:CD	2:C:210:GLN:HB2	1.94	0.97
1:A:76:ILE:CG2	1:A:77:GLN:H	1.78	0.97
1:A:472:GLN:HG3	2:C:460:THR:HA	1.47	0.97

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1002:GLU:O	1:A:1005:VAL:HG22	1.63	0.97
2:C:236:GLU:CA	2:C:341:ASP:HB3	1.95	0.97
2:C:441:VAL:HG11	2:C:454:HIS:CE1	1.99	0.97
1:D:350:ILE:HD12	1:D:350:ILE:H	1.30	0.97
1:D:601:LYS:HE3	1:D:721:ALA:HB1	1.45	0.97
1:D:618:HIS:HB2	1:D:725:PRO:HD2	1.47	0.97
1:D:996:ARG:H	1:D:996:ARG:NE	1.61	0.97
2:C:341:ASP:CG	2:C:342:LEU:N	2.20	0.96
1:D:495:PHE:O	1:D:496:LYS:HD2	1.64	0.96
1:D:801:TRP:CE3	1:D:870:VAL:CG1	2.46	0.96
2:E:264:ARG:HE	2:E:273:PHE:HB2	1.28	0.96
1:A:225:SER:HA	1:A:228:LEU:HD13	1.46	0.96
1:A:1026:ARG:O	1:A:1030:ARG:N	1.95	0.96
1:D:279:ARG:HD2	1:D:841:LEU:CB	1.95	0.96
1:D:302:SER:OG	1:D:351:SER:HB3	1.64	0.96
1:D:900:ALA:CB	1:D:915:ALA:HB1	1.94	0.96
1:A:166:PRO:CG	1:A:398:GLN:HE22	1.76	0.96
1:A:1198:LYS:HG3	1:A:1204:THR:CG2	1.94	0.96
2:C:466:MET:HE3	2:C:471:LEU:HB3	1.45	0.96
1:D:375:GLU:HG3	1:D:379:LYS:CB	1.93	0.96
1:D:624:VAL:O	1:D:626:GLY:N	1.99	0.96
1:D:1069:ILE:CG2	1:D:1070:PRO:HD2	1.95	0.96
2:E:254:PHE:HB2	2:E:257:ARG:HH11	1.26	0.96
1:A:811:GLN:HB2	1:A:840:ILE:HG21	1.45	0.96
2:C:344:ARG:HA	2:C:347:LEU:HB2	1.45	0.96
2:C:446:THR:HA	2:C:450:ASN:HB2	1.43	0.96
1:D:85:GLU:CD	1:D:130:LEU:HD22	1.90	0.96
1:D:279:ARG:HD2	1:D:841:LEU:HB3	0.99	0.96
1:D:887:VAL:HG23	1:D:1146:ARG:CZ	1.95	0.96
2:B:396:ARG:CG	2:B:417:TYR:HB2	1.93	0.96
1:D:101:ARG:HG3	1:D:101:ARG:HH11	1.30	0.96
1:D:279:ARG:HB3	1:D:841:LEU:HB2	1.46	0.96
1:D:465:ASP:O	1:D:469:ASP:HB2	1.66	0.96
1:D:743:ASP:C	1:D:744:ILE:HD13	1.91	0.96
1:D:1198:LYS:CA	1:D:1204:THR:OG1	2.14	0.96
2:F:127:PRO:HD3	2:F:210:GLN:N	1.80	0.96
1:A:589:PRO:HG3	1:A:805:HIS:CD2	1.99	0.96
1:D:549:LEU:N	1:D:551:LYS:NZ	2.14	0.96
1:D:630:ASN:HB2	1:D:744:ILE:C	1.91	0.96
1:A:211:LEU:CD1	1:A:221:TYR:HB3	1.96	0.96
1:A:605:LEU:HA	1:A:781:ALA:HB3	1.47	0.96

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1038:TRP:O	1:A:1042:GLU:HG2	1.65	0.96
2:C:417:TYR:HD2	2:C:417:TYR:N	1.64	0.96
1:D:272:SER:HB3	1:D:843:GLN:CD	1.91	0.96
1:D:798:ILE:HA	1:D:869:ARG:CZ	1.95	0.96
1:D:993:ARG:N	1:D:996:ARG:HD2	1.79	0.96
1:D:1007:GLU:O	1:D:1011:PRO:HD3	1.65	0.96
2:F:466:MET:HB3	2:F:471:LEU:CD2	1.96	0.96
1:A:203:LEU:CD1	1:A:379:LYS:C	2.38	0.96
1:A:666:GLN:O	1:A:670:PRO:CD	2.14	0.96
1:A:885:THR:C	1:A:886:LEU:HD23	1.91	0.96
2:C:239:LEU:H	2:C:338:VAL:HG12	1.18	0.96
1:D:193:ARG:CZ	1:D:193:ARG:HA	1.96	0.96
1:D:866:ARG:HG3	1:D:1069:ILE:CG2	1.95	0.96
2:E:380:PRO:O	2:E:382:LYS:HB2	1.65	0.96
1:A:493:GLN:O	1:A:494:GLU:HG2	1.65	0.96
2:C:317:GLY:HA3	2:C:320:SER:H	1.29	0.96
1:D:1067:SER:CA	1:D:1071:ARG:HA	1.96	0.96
2:E:419:GLU:HA	2:F:203:ARG:NH2	1.81	0.96
1:D:285:GLN:NE2	1:D:1128:ARG:HG2	1.80	0.96
1:D:559:LEU:HG	1:D:560:PRO:HD2	1.45	0.96
1:D:604:ALA:HA	1:D:613:HIS:HE1	1.24	0.96
1:D:1069:ILE:CB	1:D:1070:PRO:HD2	1.96	0.96
2:F:309:HIS:HA	2:F:312:LEU:HD12	1.43	0.96
2:F:455:LEU:HA	2:F:456:ARG:HH21	1.27	0.96
1:A:660:CYS:SG	1:A:661:LEU:N	2.39	0.95
2:C:317:GLY:CA	2:C:320:SER:HB2	1.95	0.95
2:C:454:HIS:HA	2:C:468:ILE:HD12	1.47	0.95
1:D:605:LEU:O	1:D:781:ALA:HA	1.65	0.95
2:B:86:LEU:HD23	2:B:96:HIS:HB2	1.48	0.95
2:B:261:GLN:NE2	2:B:264:ARG:HH21	1.62	0.95
2:B:311:LEU:CG	2:B:312:LEU:H	1.78	0.95
1:D:1208:ARG:HH22	2:F:285:LYS:CD	1.78	0.95
2:F:114:TRP:HE1	2:F:259:ARG:CZ	1.78	0.95
2:F:241:TRP:CD1	2:F:243:THR:HG23	2.01	0.95
2:F:241:TRP:N	2:F:336:LEU:CB	2.29	0.95
2:F:423:SER:OG	2:F:428:LEU:HD21	1.66	0.95
2:F:453:ILE:HG22	2:F:455:LEU:H	1.30	0.95
2:B:301:GLU:HA	2:B:340:GLY:HA3	1.47	0.95
2:C:431:LYS:NZ	2:C:435:MET:HG2	1.80	0.95
1:D:849:THR:HB	1:D:852:ARG:H	1.31	0.95
1:D:1138:ARG:HG2	1:D:1138:ARG:HH11	1.29	0.95

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:176:THR:CA	1:A:218:SER:HB2	1.96	0.95
1:A:297:MET:HE1	1:A:411:LEU:CD1	1.96	0.95
1:A:758:ASN:HB2	1:A:1058:PHE:CZ	2.00	0.95
1:A:773:LYS:NZ	1:A:1057:MET:HE1	1.81	0.95
1:D:203:LEU:N	1:D:380:GLY:HA2	1.79	0.95
1:D:241:PRO:O	1:D:244:LEU:HG	1.65	0.95
1:D:1023:GLN:OE1	1:D:1100:VAL:HA	1.64	0.95
2:E:187:HIS:HA	2:E:190:LEU:HD22	1.47	0.95
2:F:134:LYS:HB3	2:F:180:LYS:HD3	1.49	0.95
2:C:303:LEU:C	2:C:337:SER:HB2	1.90	0.95
2:E:181:LEU:HB3	2:E:215:PHE:HE1	1.28	0.95
2:F:350:LEU:HD12	2:F:350:LEU:N	1.80	0.95
1:A:169:TRP:CZ3	1:A:391:ASP:HA	2.01	0.95
1:A:1200:PRO:HB2	1:A:1202:ASN:C	1.90	0.95
1:A:1218:LEU:O	1:A:1219:ASP:HB2	1.64	0.95
2:B:372:LEU:HD13	2:B:434:GLU:HA	1.45	0.95
2:C:206:TYR:H	2:C:206:TYR:HD2	0.96	0.95
2:C:466:MET:CB	2:C:471:LEU:HD22	1.97	0.95
1:D:576:LEU:CG	1:D:577:CYS:H	1.80	0.95
1:D:1006:ARG:HH12	1:D:1009:ASN:CB	1.79	0.95
1:A:477:GLU:HG2	1:A:482:ASP:CG	1.92	0.95
1:A:490:TRP:HH2	1:A:598:VAL:HB	1.28	0.95
1:A:549:LEU:HD21	2:C:398:VAL:CB	1.97	0.95
1:A:1131:ILE:HD13	1:A:1138:ARG:N	1.82	0.95
1:D:486:TRP:HZ2	1:D:722:ARG:HA	1.31	0.95
1:A:996:ARG:NH2	1:A:1003:TRP:HB3	1.81	0.95
1:A:1131:ILE:HD11	1:A:1133:ILE:HG22	1.49	0.95
1:D:503:VAL:C	1:D:505:LYS:H	1.74	0.95
2:E:255:TRP:O	2:E:259:ARG:HB2	1.66	0.95
2:E:382:LYS:HG2	2:E:412:SER:CB	1.96	0.95
2:E:449:GLU:OE1	2:E:449:GLU:HA	1.61	0.95
1:A:194:ALA:HA	1:A:265:LEU:HB2	1.45	0.95
1:A:580:LEU:HD12	1:A:581:ASP:H	1.32	0.95
1:A:176:THR:HG23	1:A:177:ARG:H	1.31	0.95
1:A:210:THR:HB	1:A:224:CYS:HB2	0.95	0.95
1:A:853:ARG:HH12	1:A:1105:ALA:HB3	1.29	0.95
1:D:513:LEU:HB2	1:D:568:GLY:HA2	1.45	0.95
2:E:431:LYS:HA	2:E:434:GLU:CG	1.95	0.95
1:A:348:LEU:HA	1:A:350:ILE:HD13	1.46	0.94
1:A:454:GLU:O	1:A:458:GLU:HG3	1.67	0.94
1:A:1069:ILE:HG22	1:A:1070:PRO:HD3	1.47	0.94

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:323:HIS:CA	2:B:332:VAL:HA	1.97	0.94
2:C:446:THR:C	2:C:450:ASN:HB3	1.92	0.94
1:D:145:LYS:O	1:D:149:PRO:HD2	1.67	0.94
1:D:441:TRP:HE1	1:D:880:ALA:H	1.14	0.94
1:D:621:GLY:HA2	1:D:748:TRP:CB	1.96	0.94
2:E:117:SER:HA	2:E:121:PHE:CE1	2.01	0.94
1:A:170:ALA:CB	1:A:175:TRP:HZ2	1.79	0.94
1:A:272:SER:HA	1:A:275:ARG:HB2	1.49	0.94
1:A:756:ASP:CB	1:A:1057:MET:HG2	1.97	0.94
1:D:429:GLU:HG3	1:D:1128:ARG:NH2	1.82	0.94
1:D:607:TRP:HD1	1:D:780:GLN:H	1.00	0.94
1:D:914:THR:O	1:D:918:TRP:CB	2.15	0.94
1:A:645:VAL:HG13	1:A:650:ARG:HB2	1.48	0.94
2:C:467:HIS:O	2:C:471:LEU:CD1	2.15	0.94
1:D:452:TYR:CB	1:D:801:TRP:HE1	1.79	0.94
1:D:490:TRP:HE3	1:D:580:LEU:HD22	1.29	0.94
1:D:813:VAL:HB	1:D:840:ILE:HG13	1.49	0.94
1:D:824:ALA:HA	1:D:827:ARG:CG	1.96	0.94
1:A:225:SER:OG	1:A:386:ARG:HB2	1.67	0.94
1:A:1236:GLN:HB3	1:A:1237:PRO:CD	1.97	0.94
1:D:259:ARG:HA	1:D:259:ARG:NH1	1.80	0.94
1:D:1118:TRP:O	1:D:1121:GLU:HG3	1.68	0.94
2:E:447:THR:CG2	2:E:453:ILE:HG23	1.97	0.94
2:F:214:CYS:SG	2:F:236:GLU:HG3	2.07	0.94
2:C:471:LEU:HD12	2:C:471:LEU:N	1.82	0.94
1:D:79:LEU:HD23	1:D:83:LEU:HD12	1.49	0.94
1:D:1069:ILE:O	1:D:1071:ARG:HG3	1.66	0.94
2:E:456:ARG:HD3	2:E:463:LYS:HG3	1.48	0.94
1:D:933:SER:HB2	1:D:943:ARG:HD3	1.45	0.94
1:D:1029:GLN:HG2	1:D:1030:ARG:NE	1.82	0.94
2:F:305:ASN:C	2:F:335:VAL:HG11	1.92	0.94
1:A:515:ILE:HG22	1:A:516:GLU:H	1.26	0.94
1:A:784:GLY:HA2	2:C:362:THR:HG1	1.20	0.94
2:C:190:LEU:O	2:C:193:TYR:HB3	1.67	0.94
2:C:303:LEU:CA	2:C:337:SER:OG	2.14	0.94
2:C:439:PHE:HB3	2:C:457:SER:O	1.67	0.94
1:D:922:GLN:HG2	1:D:931:LEU:HD13	1.48	0.94
2:E:264:ARG:NE	2:E:273:PHE:HB2	1.82	0.94
2:E:266:PHE:HB3	2:E:376:PRO:CD	1.96	0.94
2:E:425:LEU:HB3	2:E:426:GLU:OE2	1.68	0.94
2:F:466:MET:SD	2:F:471:LEU:HD23	2.08	0.94

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1001:GLY:O	1:A:1005:VAL:HG13	1.67	0.94
2:B:105:GLU:HB3	2:B:380:PRO:HB3	1.50	0.94
2:B:343:ASP:HB3	2:B:344:ARG:HE	1.33	0.94
2:C:69:LEU:HD23	2:C:351:TYR:CE1	2.02	0.94
2:C:127:PRO:HD3	2:C:210:GLN:N	1.81	0.94
2:C:200:VAL:CG2	2:C:204:LEU:HD22	1.98	0.94
2:C:443:VAL:HA	2:C:447:THR:CG2	1.98	0.94
1:D:274:ASP:OD2	1:D:293:ASP:HA	1.66	0.94
1:D:1155:ILE:HA	1:D:1158:LEU:HD21	1.49	0.94
2:F:125:VAL:HG23	2:F:126:PHE:N	1.81	0.94
1:A:490:TRP:CH2	1:A:598:VAL:HB	2.02	0.94
2:C:357:THR:O	2:C:358:GLU:HG2	1.68	0.94
1:D:735:GLY:HA3	1:D:749:PHE:CB	1.97	0.94
2:E:430:SER:O	2:E:433:ASP:HB3	1.65	0.94
2:F:341:ASP:CG	2:F:342:LEU:N	2.22	0.94
1:A:288:ARG:HE	1:A:288:ARG:CA	1.81	0.94
1:A:640:LEU:HD23	1:A:640:LEU:H	1.33	0.94
1:A:893:SER:HB2	1:A:896:LEU:CB	1.97	0.94
1:A:1023:GLN:NE2	1:A:1103:SER:OG	2.01	0.94
2:C:125:VAL:HG22	2:C:208:LEU:CA	1.97	0.94
1:D:455:LEU:HD12	1:D:869:ARG:NH1	1.83	0.94
1:D:623:LEU:HB3	1:D:667:GLN:NE2	1.83	0.94
1:A:166:PRO:HG3	1:A:398:GLN:NE2	1.83	0.93
1:A:201:VAL:HG22	1:A:208:CYS:O	1.69	0.93
1:A:897:TRP:O	1:A:900:ALA:HB3	1.68	0.93
1:A:912:GLY:C	1:A:917:GLY:HA3	1.92	0.93
1:A:1128:ARG:CG	1:A:1129:PHE:H	1.77	0.93
2:B:72:ILE:O	2:B:75:ARG:HG3	1.67	0.93
1:D:309:ARG:O	1:D:313:ILE:HG23	1.68	0.93
1:D:392:LEU:O	1:D:395:TYR:HB2	1.65	0.93
1:D:780:GLN:OE1	1:D:780:GLN:HA	1.67	0.93
1:D:887:VAL:N	1:D:1146:ARG:HH12	1.66	0.93
2:F:353:SER:HB2	2:F:373:LYS:H	1.31	0.93
1:A:298:HIS:CD2	1:A:358:LEU:HD22	2.02	0.93
1:A:1006:ARG:NH1	1:A:1006:ARG:HA	1.83	0.93
2:B:114:TRP:HA	2:B:262:TRP:CZ2	2.03	0.93
1:D:275:ARG:HH21	1:D:842:PRO:CB	1.81	0.93
1:D:275:ARG:HH21	1:D:842:PRO:HB3	1.32	0.93
1:D:356:LEU:HD13	1:D:369:LEU:HD22	1.50	0.93
1:D:407:PHE:O	1:D:411:LEU:HG	1.68	0.93
1:D:1200:PRO:CG	1:D:1203:PRO:HG2	1.97	0.93

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:196:VAL:HB	1:A:401:TRP:HZ3	1.29	0.93
1:A:485:LEU:HD12	1:A:489:GLU:OE2	1.69	0.93
1:A:566:LEU:HB3	1:A:567:PRO:HD3	1.51	0.93
1:A:893:SER:CB	1:A:896:LEU:HB2	1.98	0.93
1:A:1043:VAL:CG1	1:A:1046:GLU:HB3	1.97	0.93
1:A:1124:ALA:HB1	1:A:1148:ARG:NH1	1.82	0.93
2:C:322:LEU:O	2:C:322:LEU:HD13	1.68	0.93
1:D:608:ASP:O	1:D:609:GLY:C	2.12	0.93
2:E:277:ASP:HA	2:E:287:ASN:OD1	1.68	0.93
2:F:238:SER:HA	2:F:338:VAL:HG11	1.48	0.93
2:F:289:LEU:HD12	2:F:301:GLU:HB2	1.48	0.93
2:F:391:PRO:HB2	2:F:394:GLU:OE2	1.68	0.93
1:A:582:ASP:N	1:A:583:PRO:HD2	1.83	0.93
2:C:376:PRO:HG3	2:C:482:ALA:HB1	1.49	0.93
1:D:606:THR:HG21	1:D:612:LEU:O	1.66	0.93
1:D:1204:THR:HA	1:D:1207:GLU:CB	1.99	0.93
2:F:234:LYS:NZ	2:F:344:ARG:HD2	1.82	0.93
2:F:387:VAL:CA	2:F:443:VAL:HG22	1.97	0.93
2:F:403:PHE:HD1	2:F:417:TYR:HH	1.05	0.93
1:A:925:LYS:HG3	1:A:926:SER:H	1.32	0.93
1:A:1026:ARG:HB2	1:A:1029:GLN:HB2	1.49	0.93
1:A:1131:ILE:HG23	1:A:1132:SER:H	1.31	0.93
2:C:341:ASP:CG	2:C:342:LEU:H	1.72	0.93
1:D:214:ALA:HB3	1:D:218:SER:C	1.94	0.93
1:D:1025:LEU:HD13	1:D:1027:LYS:HE2	1.47	0.93
1:D:1051:GLY:HA2	1:D:1054:GLU:HG3	1.49	0.93
1:D:1231:LEU:HG	1:D:1232:GLU:N	1.81	0.93
2:F:456:ARG:HG2	2:F:457:SER:H	1.33	0.93
1:A:309:ARG:O	1:A:313:ILE:HG23	1.68	0.93
1:A:556:THR:HG23	2:C:452:LEU:HB3	1.50	0.93
2:B:396:ARG:CD	2:B:417:TYR:HB2	1.97	0.93
1:D:768:LYS:HA	1:D:772:PRO:HG3	1.51	0.93
2:E:302:THR:C	2:E:303:LEU:HD12	1.94	0.93
1:A:744:ILE:HB	1:A:745:PRO:HD3	1.50	0.93
2:F:203:ARG:HB3	2:F:204:LEU:CD1	1.97	0.93
1:A:606:THR:HG22	1:A:620:TRP:HE3	1.29	0.93
1:D:436:PRO:O	1:D:879:GLN:HB2	1.67	0.93
1:D:1206:MET:HG2	2:F:257:ARG:NH1	1.83	0.93
2:E:407:LEU:HD23	2:E:411:ILE:O	1.67	0.93
2:F:390:GLY:HA2	2:F:391:PRO:C	1.94	0.93
1:A:1026:ARG:HB3	1:A:1029:GLN:CD	1.93	0.93

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1231:LEU:HD11	1:D:1236:GLN:HE21	1.33	0.93
2:F:299:LEU:HD23	2:F:299:LEU:N	1.81	0.93
2:F:447:THR:O	2:F:452:LEU:HA	1.68	0.93
1:A:273:PHE:HA	1:A:276:ALA:HB2	1.46	0.93
1:D:73:PRO:C	1:D:74:LEU:HD22	1.93	0.93
1:D:509:THR:CB	1:D:512:LYS:HB3	1.97	0.93
1:D:549:LEU:HD21	2:F:398:VAL:HA	1.49	0.93
1:D:580:LEU:HD11	1:D:593:SER:OG	1.67	0.93
1:D:608:ASP:OD1	1:D:611:PRO:HD2	1.69	0.93
1:D:1223:ILE:HG13	1:D:1224:ILE:N	1.83	0.93
1:A:411:LEU:HD12	1:A:412:PRO:N	1.84	0.92
1:A:886:LEU:N	1:A:1146:ARG:NH2	2.17	0.92
2:C:454:HIS:HB2	2:C:468:ILE:HA	1.47	0.92
2:C:467:HIS:HB3	2:C:470:LYS:HE2	1.50	0.92
1:D:217:PRO:O	1:D:218:SER:OG	1.87	0.92
1:D:269:HIS:CD2	1:D:291:PHE:HD2	1.85	0.92
1:D:808:ILE:O	1:D:811:GLN:HB2	1.69	0.92
1:D:897:TRP:CH2	1:D:1173:LEU:HD13	2.04	0.92
2:F:127:PRO:CD	2:F:128:VAL:H	1.78	0.92
2:F:301:GLU:CG	2:F:339:ASN:HB3	1.99	0.92
1:A:223:TRP:CD1	1:A:223:TRP:N	2.36	0.92
1:A:1131:ILE:HD13	1:A:1138:ARG:H	1.32	0.92
2:C:350:LEU:N	2:C:350:LEU:HD12	1.82	0.92
1:D:592:LEU:HA	1:D:595:GLN:CG	1.98	0.92
1:A:657:ARG:O	1:A:660:CYS:HB3	1.68	0.92
1:D:270:ASN:HA	1:D:294:THR:HG23	1.49	0.92
1:D:371:LYS:HA	1:D:374:ARG:HD2	1.51	0.92
1:D:795:ASN:HD22	1:D:795:ASN:N	1.59	0.92
1:A:434:TYR:O	1:A:435:LEU:HG	1.68	0.92
1:D:190:PRO:C	1:D:192:GLU:H	1.72	0.92
1:D:633:LYS:CB	1:D:638:THR:HG21	1.99	0.92
2:E:247:THR:HG22	2:E:250:GLN:HE21	1.32	0.92
1:A:245:ILE:CG1	1:A:246:PRO:HD3	2.00	0.92
1:A:468:ASN:ND2	2:C:460:THR:HG21	1.84	0.92
1:D:412:PRO:HG2	1:D:413:LEU:HG	1.51	0.92
2:F:453:ILE:HD13	2:F:465:MET:HB3	1.51	0.92
1:A:112:LEU:HD23	1:A:920:THR:HB	1.50	0.92
1:A:125:LEU:H	1:A:125:LEU:CD2	1.82	0.92
1:A:169:TRP:HZ3	1:A:391:ASP:HA	1.32	0.92
2:C:455:LEU:C	2:C:456:ARG:HE	1.78	0.92
1:D:127:LEU:HD22	1:D:129:PRO:HD3	1.51	0.92

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:275:ARG:NE	1:D:842:PRO:HA	1.84	0.92
1:D:438:ASN:O	1:D:441:TRP:HB2	1.69	0.92
1:D:1131:ILE:H	1:D:1131:ILE:HD12	1.35	0.92
1:D:1208:ARG:NH1	2:F:285:LYS:HD3	1.83	0.92
1:A:107:LEU:HB2	1:A:113:TRP:CD1	2.03	0.92
1:A:213:VAL:HA	1:A:221:TYR:HE2	1.35	0.92
1:A:869:ARG:C	1:A:1200:PRO:HA	1.94	0.92
2:C:126:PHE:HA	2:C:209:ALA:O	1.70	0.92
2:C:209:ALA:HB1	2:C:238:SER:O	1.69	0.92
2:F:317:GLY:HA2	2:F:320:SER:HB2	1.52	0.92
2:F:368:HIS:NE2	2:F:370:LYS:HD2	1.84	0.92
1:A:412:PRO:HG2	1:A:413:LEU:H	1.31	0.92
1:A:887:VAL:CG2	1:A:1146:ARG:HH11	1.83	0.92
1:A:891:VAL:HA	1:A:1180:PHE:HE1	1.35	0.92
1:D:849:THR:HB	1:D:852:ARG:N	1.85	0.92
1:D:1027:LYS:HB3	1:D:1091:GLU:HB3	1.52	0.92
2:F:222:LYS:O	2:F:223:GLN:HB2	1.70	0.92
1:D:113:TRP:HE3	1:D:114:GLY:H	1.09	0.92
1:D:283:LEU:HD23	1:D:839:ALA:HB3	1.52	0.92
1:D:1116:MET:CE	1:D:1153:LEU:HA	2.00	0.92
2:F:256:LEU:HD11	2:F:287:ASN:OD1	1.71	0.91
1:A:195:LEU:CD2	1:A:217:PRO:HD2	2.01	0.91
1:D:470:ALA:O	1:D:474:LEU:HD13	1.71	0.91
1:D:513:LEU:H	1:D:570:PRO:CG	1.83	0.91
1:D:873:GLU:HB3	1:D:1200:PRO:CD	2.00	0.91
1:A:230:GLU:CD	1:A:231:GLU:N	2.28	0.91
1:A:1010:LEU:O	1:A:1096:ARG:NH2	2.02	0.91
2:C:342:LEU:HD23	2:C:345:GLY:H	1.33	0.91
1:D:179:GLY:C	1:D:181:GLU:N	2.17	0.91
1:D:374:ARG:HB3	1:D:392:LEU:HD11	1.52	0.91
1:D:457:ARG:HA	1:D:460:LYS:HD2	1.52	0.91
1:A:348:LEU:C	1:A:350:ILE:N	2.18	0.91
1:A:634:LEU:CB	1:A:635:PRO:HA	1.99	0.91
1:A:784:GLY:H	2:C:363:ARG:HD3	1.32	0.91
2:C:303:LEU:HA	2:C:337:SER:HG	1.10	0.91
1:D:350:ILE:O	1:D:361:ARG:HB2	1.70	0.91
1:D:424:LEU:O	1:D:428:LEU:HD11	1.69	0.91
2:E:383:VAL:O	2:E:384:ALA:CB	2.17	0.91
2:F:439:PHE:CD1	2:F:458:ARG:HB2	2.03	0.91
1:A:228:LEU:CD1	1:A:386:ARG:HB3	2.01	0.91
1:A:618:HIS:HB2	1:A:725:PRO:CB	2.00	0.91

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:202:LYS:O	2:B:325:ARG:NH1	2.04	0.91
1:D:73:PRO:CG	1:D:90:GLN:HG2	2.00	0.91
1:D:278:ILE:CG2	1:D:279:ARG:HD3	2.00	0.91
1:D:618:HIS:HB2	1:D:725:PRO:CD	2.00	0.91
1:D:1218:LEU:HB3	1:D:1223:ILE:HG22	1.52	0.91
2:F:303:LEU:HA	2:F:337:SER:HG	1.32	0.91
1:A:240:SER:HA	1:A:243:ASP:OD2	1.70	0.91
1:A:316:LYS:CD	1:A:350:ILE:HG12	1.99	0.91
1:A:1060:LYS:CE	1:A:1065:ALA:H	1.82	0.91
2:B:204:LEU:HD12	2:B:325:ARG:H	1.35	0.91
1:D:456:GLN:C	1:D:460:LYS:NZ	2.29	0.91
1:D:891:VAL:CG1	1:D:1135:ASP:HB3	2.00	0.91
2:E:128:VAL:HG13	2:E:210:GLN:NE2	1.84	0.91
2:F:125:VAL:CG2	2:F:208:LEU:HA	1.97	0.91
1:A:997:LEU:HD22	1:A:998:SER:N	1.85	0.91
1:A:1046:GLU:O	1:A:1049:TRP:HD1	1.52	0.91
2:C:454:HIS:N	2:C:466:MET:O	2.02	0.91
1:D:634:LEU:HD13	1:D:635:PRO:O	1.69	0.91
1:D:649:TYR:CA	1:D:652:ILE:HB	2.01	0.91
1:D:1002:GLU:O	1:D:1005:VAL:HG22	1.69	0.91
1:A:163:PRO:HB3	1:A:164:PRO:HD3	1.52	0.91
1:A:374:ARG:HG2	1:A:374:ARG:HH11	1.35	0.91
1:A:498:LYS:CD	1:A:518:ALA:HB3	2.00	0.91
1:A:618:HIS:CB	1:A:725:PRO:HB2	2.00	0.91
1:A:784:GLY:CA	2:C:362:THR:OG1	2.18	0.91
1:A:996:ARG:NH1	1:A:1003:TRP:CB	2.33	0.91
2:C:241:TRP:HB2	2:C:336:LEU:HD12	0.94	0.91
2:C:302:THR:H	2:C:339:ASN:HA	1.36	0.91
2:C:306:LEU:N	2:C:335:VAL:HG11	1.85	0.91
2:C:471:LEU:HA	2:C:474:PHE:HB3	1.52	0.91
1:D:605:LEU:HD22	1:D:781:ALA:HB1	1.52	0.91
1:D:1209:ARG:HH22	2:F:252:LEU:HD22	1.33	0.91
1:A:851:THR:HG22	1:A:853:ARG:H	1.36	0.91
1:A:1236:GLN:NE2	1:A:1236:GLN:H	1.68	0.91
2:B:211:ILE:HG12	2:B:237:ALA:HB1	1.51	0.91
2:C:81:GLY:HA3	2:C:97:PRO:HB2	1.53	0.91
2:C:317:GLY:C	2:C:319:VAL:H	1.76	0.91
2:C:435:MET:HA	2:C:435:MET:CE	2.01	0.91
1:D:449:GLN:HA	1:D:452:TYR:HE2	1.32	0.91
2:E:428:LEU:H	2:E:428:LEU:CD1	1.83	0.91
2:F:342:LEU:HB2	2:F:344:ARG:CG	2.00	0.91

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:436:PRO:HD2	1:A:879:GLN:NE2	1.86	0.91
1:A:503:VAL:CG2	1:A:521:PRO:HA	2.01	0.91
1:A:774:MET:HA	1:A:777:GLY:HA3	1.52	0.91
2:C:374:LEU:HB3	2:C:378:LEU:HB3	1.51	0.91
1:D:436:PRO:O	1:D:879:GLN:CB	2.19	0.91
2:F:343:ASP:C	2:F:347:LEU:HD13	1.94	0.91
1:A:961:PHE:HD1	1:A:961:PHE:H	1.16	0.90
1:A:1191:LYS:O	1:A:1192:GLU:HB3	1.71	0.90
1:D:105:GLU:O	1:D:109:LYS:HG2	1.70	0.90
1:D:297:MET:HG2	1:D:411:LEU:CD2	2.00	0.90
1:D:556:THR:O	1:D:559:LEU:HB3	1.71	0.90
1:D:1157:ASN:HB3	1:D:1161:ARG:NH1	1.85	0.90
2:E:374:LEU:H	2:E:458:ARG:NH2	1.67	0.90
2:E:422:GLN:HG2	2:E:424:SER:H	1.32	0.90
2:F:241:TRP:N	2:F:336:LEU:HB3	1.86	0.90
1:A:1212:ILE:HG22	1:A:1213:PRO:N	1.81	0.90
1:D:279:ARG:O	1:D:841:LEU:HG	1.69	0.90
1:D:430:MET:HE3	1:D:1132:SER:HB3	1.53	0.90
2:F:241:TRP:HB2	2:F:336:LEU:HD12	0.91	0.90
1:A:1027:LYS:HB2	1:A:1092:PHE:CD2	2.05	0.90
2:C:61:GLY:O	2:C:64:GLU:HG2	1.70	0.90
2:C:354:PHE:CE1	2:C:370:LYS:HD3	2.06	0.90
1:D:1131:ILE:CD1	1:D:1131:ILE:N	2.28	0.90
2:F:291:TYR:OH	2:F:355:GLN:HG3	1.71	0.90
1:A:79:LEU:HB3	1:A:89:GLY:HA2	1.52	0.90
1:A:107:LEU:HB2	1:A:113:TRP:NE1	1.85	0.90
1:A:275:ARG:HH21	1:A:845:VAL:HA	1.23	0.90
2:C:454:HIS:HB3	2:C:466:MET:CB	2.01	0.90
2:E:181:LEU:HB3	2:E:215:PHE:CE1	2.05	0.90
2:F:351:TYR:O	2:F:355:GLN:N	2.05	0.90
1:A:612:LEU:HB3	1:A:620:TRP:HB2	1.51	0.90
1:A:612:LEU:CD2	1:A:621:GLY:H	1.81	0.90
2:B:202:LYS:O	2:B:325:ARG:CD	2.18	0.90
2:C:127:PRO:HD3	2:C:209:ALA:C	1.97	0.90
1:D:74:LEU:HD12	1:D:77:GLN:HA	1.51	0.90
1:D:612:LEU:HG	1:D:621:GLY:C	1.97	0.90
2:F:203:ARG:HB3	2:F:204:LEU:HD13	1.54	0.90
1:A:87:ILE:HG22	1:A:88:PHE:N	1.86	0.90
1:A:927:ARG:HG2	1:A:928:GLY:N	1.81	0.90
2:B:347:LEU:O	2:B:350:LEU:HB3	1.71	0.90
2:C:390:GLY:HA2	2:C:391:PRO:C	1.95	0.90

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:371:LYS:HA	1:D:374:ARG:HD3	1.53	0.90
1:D:407:PHE:CD1	1:D:411:LEU:HD21	2.07	0.90
1:D:413:LEU:HA	1:D:416:GLU:OE1	1.70	0.90
1:A:370:PRO:HB2	1:A:399:ASP:HB2	1.54	0.90
1:A:468:ASN:ND2	1:A:578:PRO:HG2	1.86	0.90
1:A:1231:LEU:HD11	1:A:1236:GLN:HE22	1.36	0.90
2:C:388:GLY:O	2:C:444:THR:HA	1.70	0.90
2:E:325:ARG:HG2	2:E:330:ASN:HA	1.54	0.90
1:A:177:ARG:HA	1:A:182:GLY:O	1.69	0.90
2:B:374:LEU:H	2:B:458:ARG:HH22	1.12	0.90
1:D:175:TRP:CE3	1:D:184:ALA:HA	2.06	0.90
1:D:214:ALA:N	1:D:401:TRP:CZ2	2.40	0.90
1:A:197:PHE:N	1:A:269:HIS:NE2	2.19	0.90
1:A:241:PRO:HA	1:A:244:LEU:HB2	1.53	0.90
2:C:336:LEU:HD23	2:C:337:SER:N	1.87	0.90
1:D:823:ARG:HA	1:D:826:ILE:HD11	1.51	0.90
1:D:1014:ARG:HD3	1:D:1026:ARG:HG3	1.54	0.90
1:D:1020:ILE:HD13	1:D:1021:SER:CA	2.02	0.90
1:D:1116:MET:HE1	1:D:1153:LEU:CA	2.02	0.90
2:E:270:PRO:HA	2:E:273:PHE:CE2	2.05	0.90
1:A:276:ALA:HA	1:A:279:ARG:HD3	1.53	0.90
1:A:1224:ILE:HD12	1:A:1224:ILE:O	1.71	0.90
2:C:395:LEU:HD21	2:C:443:VAL:HG12	1.52	0.90
1:D:265:LEU:HG	1:D:266:VAL:N	1.86	0.90
1:D:966:LEU:HD23	1:D:970:ASN:HD21	1.34	0.90
1:D:1208:ARG:HH22	2:F:285:LYS:HD3	1.36	0.90
2:E:456:ARG:HB2	2:E:463:LYS:CG	2.02	0.90
2:F:208:LEU:O	2:F:208:LEU:HD12	1.72	0.90
2:F:447:THR:CA	2:F:452:LEU:HA	2.02	0.90
1:A:653:GLU:HA	1:A:656:TYR:CZ	2.06	0.89
1:D:486:TRP:CZ2	1:D:722:ARG:HA	2.07	0.89
1:D:515:ILE:HD11	1:D:568:GLY:O	1.72	0.89
2:F:61:GLY:O	2:F:64:GLU:HG2	1.72	0.89
2:C:208:LEU:HD13	2:C:240:VAL:HB	1.53	0.89
2:C:350:LEU:HD12	2:C:350:LEU:H	1.37	0.89
1:D:460:LYS:N	1:D:460:LYS:CE	2.16	0.89
1:D:548:CYS:CA	1:D:551:LYS:HD3	2.01	0.89
1:D:956:GLY:CA	1:D:1094:THR:HG23	2.00	0.89
1:A:564:GLN:HA	1:A:567:PRO:HD2	1.53	0.89
2:C:241:TRP:N	2:C:336:LEU:CB	2.36	0.89
2:C:256:LEU:HD11	2:C:287:ASN:OD1	1.73	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:614:TYR:CE2	1:D:620:TRP:CE3	2.60	0.89
2:E:128:VAL:HB	2:E:208:LEU:HB3	1.53	0.89
1:A:214:ALA:HA	1:A:401:TRP:CZ2	2.07	0.89
1:A:1131:ILE:HG21	1:A:1137:VAL:C	1.96	0.89
1:A:1146:ARG:NH1	1:A:1185:ILE:HG23	1.86	0.89
2:B:324:GLY:HA2	2:B:325:ARG:CZ	2.01	0.89
2:C:102:LEU:HD11	2:C:435:MET:CE	2.01	0.89
2:C:396:ARG:NH1	2:C:397:GLN:HA	1.86	0.89
1:D:1206:MET:O	1:D:1210:TYR:N	2.06	0.89
2:E:431:LYS:HA	2:E:434:GLU:HG2	1.52	0.89
2:F:403:PHE:CE1	2:F:415:PRO:HG3	2.06	0.89
1:A:127:LEU:HD22	1:A:129:PRO:HD3	1.54	0.89
1:A:1043:VAL:CA	1:A:1046:GLU:H	1.85	0.89
1:D:179:GLY:CA	1:D:182:GLY:HA3	2.02	0.89
1:D:504:LYS:HD2	1:D:523:ASP:CB	2.01	0.89
1:D:767:ALA:CB	1:D:771:LEU:HD22	2.03	0.89
1:D:797:MET:C	1:D:869:ARG:HD3	1.97	0.89
1:D:804:ALA:O	1:D:808:ILE:HG13	1.72	0.89
1:D:1066:THR:HG23	1:D:1068:ASP:OD1	1.71	0.89
2:B:396:ARG:NH1	2:B:417:TYR:CD2	2.40	0.89
1:D:269:HIS:C	1:D:294:THR:HG23	1.97	0.89
1:D:457:ARG:N	1:D:460:LYS:HZ2	1.71	0.89
1:D:795:ASN:O	1:D:798:ILE:HG12	1.73	0.89
2:F:322:LEU:O	2:F:322:LEU:HD13	1.72	0.89
2:F:336:LEU:HD23	2:F:337:SER:N	1.87	0.89
1:A:256:PRO:HD2	1:A:257:THR:H	1.38	0.89
1:A:608:ASP:CA	1:A:779:LEU:HB2	2.03	0.89
1:A:621:GLY:CA	1:A:748:TRP:HB3	2.02	0.89
2:C:82:SER:HA	2:C:86:LEU:CD2	2.01	0.89
1:D:213:VAL:HG22	1:D:401:TRP:CZ2	2.08	0.89
1:D:366:GLY:N	1:D:367:PRO:HD3	1.88	0.89
1:D:371:LYS:O	1:D:373:PRO:HD3	1.72	0.89
1:D:634:LEU:HD22	1:D:635:PRO:HD2	1.53	0.89
1:A:604:ALA:HA	1:A:717:LEU:HD22	1.54	0.89
1:A:623:LEU:O	1:A:623:LEU:HG	1.73	0.89
1:A:1011:PRO:O	1:A:1028:VAL:HG21	1.71	0.89
1:D:95:PRO:HG2	1:D:99:ALA:HB3	1.54	0.89
1:D:869:ARG:H	1:D:1200:PRO:HB3	1.37	0.89
1:D:1166:TYR:N	1:D:1166:TYR:HD1	1.69	0.89
1:A:425:ALA:HA	1:A:428:LEU:HD12	1.54	0.89
1:A:613:HIS:CB	1:A:717:LEU:HG	2.01	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:458:ARG:HG2	2:C:458:ARG:HH11	1.38	0.89
1:D:213:VAL:HG13	1:D:401:TRP:CZ2	2.07	0.89
1:D:267:VAL:HB	1:D:269:HIS:HD2	1.28	0.89
1:D:374:ARG:CD	1:D:392:LEU:HD21	2.02	0.89
1:D:472:GLN:HB3	2:F:460:THR:O	1.72	0.89
1:D:772:PRO:HA	1:D:775:GLU:HB2	1.54	0.89
1:D:1209:ARG:NH2	2:F:253:ASP:HA	1.86	0.89
2:F:395:LEU:O	2:F:398:VAL:HB	1.73	0.89
1:A:253:ALA:HB3	1:A:256:PRO:HB3	1.55	0.89
1:A:612:LEU:CG	1:A:613:HIS:N	2.33	0.89
1:A:656:TYR:HB3	1:A:720:THR:OG1	1.72	0.89
2:B:117:SER:HB2	2:B:262:TRP:CE2	2.07	0.89
2:C:254:PHE:HA	2:C:257:ARG:HH21	1.36	0.89
1:D:486:TRP:HA	1:D:489:GLU:OE2	1.73	0.89
1:D:879:GLN:OE1	1:D:1189:LEU:HD21	1.71	0.89
2:E:201:ASN:OD1	2:F:422:GLN:HB2	1.72	0.89
1:A:173:GLU:OE2	1:A:223:TRP:HZ2	1.55	0.88
1:A:203:LEU:C	1:A:205:GLU:N	2.19	0.88
1:A:352:SER:O	1:A:358:LEU:HD21	1.73	0.88
1:A:815:TRP:HA	1:A:838:GLY:CA	2.03	0.88
1:A:1005:VAL:HA	1:A:1008:LEU:HD12	1.55	0.88
2:B:106:LEU:HD12	2:B:109:ASN:ND2	1.88	0.88
2:B:311:LEU:HG	2:B:312:LEU:H	1.35	0.88
1:D:348:LEU:CD2	1:D:350:ILE:HG13	2.02	0.88
1:D:448:ALA:HB1	1:D:870:VAL:HB	1.51	0.88
1:D:914:THR:CB	1:D:999:ASP:HB3	2.03	0.88
2:E:185:LEU:HD11	2:E:236:GLU:O	1.73	0.88
2:F:336:LEU:HD23	2:F:336:LEU:C	1.98	0.88
2:F:474:PHE:HA	2:F:477:LYS:CD	2.01	0.88
1:A:638:THR:HG23	1:A:642:SER:OG	1.73	0.88
1:A:996:ARG:NH1	1:A:1003:TRP:HB2	1.89	0.88
2:B:115:TRP:O	2:B:119:VAL:HB	1.71	0.88
2:C:125:VAL:HG23	2:C:126:PHE:N	1.88	0.88
2:C:386:ASP:HB2	2:C:442:LEU:CA	2.02	0.88
1:D:349:ASP:O	1:D:361:ARG:HD3	1.73	0.88
1:D:1069:ILE:CG1	1:D:1070:PRO:HD2	2.02	0.88
2:F:347:LEU:C	2:F:350:LEU:HD11	1.98	0.88
2:F:454:HIS:N	2:F:466:MET:O	2.06	0.88
1:A:192:GLU:CD	1:A:265:LEU:HD23	1.99	0.88
1:A:202:CYS:SG	1:A:210:THR:HG21	2.14	0.88
1:D:895:GLU:OE1	1:D:896:LEU:HD22	1.71	0.88

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:360:GLU:O	1:A:364:LEU:HD23	1.73	0.88
1:A:477:GLU:HG3	1:A:478:ARG:H	0.72	0.88
1:D:569:HIS:N	1:D:570:PRO:HD2	1.88	0.88
1:D:1131:ILE:HD12	1:D:1131:ILE:N	1.87	0.88
2:F:467:HIS:O	2:F:471:LEU:CD1	2.21	0.88
1:A:215:ILE:CG2	1:A:216:SER:H	1.86	0.88
1:D:352:SER:O	1:D:358:GLU:OE2	1.82	0.88
1:D:601:LYS:HD2	1:D:616:GLU:HG2	1.56	0.88
1:D:1208:ARG:NH2	2:F:285:LYS:HD3	1.89	0.88
2:F:424:SER:HB3	2:F:427:GLN:HE22	1.39	0.88
2:F:471:LEU:HD12	2:F:471:LEU:N	1.88	0.88
2:B:186:LEU:HD11	2:B:337:SER:HB2	1.55	0.88
1:D:83:LEU:HG	1:D:89:GLY:HA2	1.53	0.88
1:D:359:VAL:O	1:D:359:VAL:HG12	1.71	0.88
1:D:463:LEU:HA	1:D:466:LEU:CD2	2.04	0.88
1:D:656:TYR:HB3	1:D:744:ILE:CG2	2.04	0.88
1:D:1010:LEU:CD2	1:D:1015:THR:HA	2.03	0.88
2:E:432:TYR:HB2	2:E:437:ILE:HD13	1.54	0.88
1:A:606:THR:CG2	1:A:620:TRP:HE3	1.86	0.88
1:A:925:LYS:CG	1:A:926:SER:H	1.85	0.88
1:A:1124:ALA:HB1	1:A:1148:ARG:HH11	1.38	0.88
2:B:67:GLU:HB3	2:B:70:LEU:HB2	1.53	0.88
2:C:131:LEU:C	2:C:182:ARG:HD3	1.98	0.88
1:D:458:GLU:O	1:D:461:LYS:HG2	1.72	0.88
1:D:1028:VAL:HG22	1:D:1096:ARG:NH1	1.87	0.88
1:D:1198:LYS:HA	1:D:1204:THR:CB	2.03	0.88
1:D:1206:MET:CG	2:F:257:ARG:NH1	2.36	0.88
2:F:406:LEU:HA	2:F:409:ASN:HD21	1.39	0.88
1:A:515:ILE:HD11	1:A:568:GLY:O	1.72	0.88
1:A:792:LEU:HD12	1:A:793:GLU:N	1.88	0.88
1:A:1041:TRP:CD1	1:A:1041:TRP:C	2.50	0.88
2:B:400:GLN:N	2:B:400:GLN:OE1	2.07	0.88
2:C:342:LEU:HB2	2:C:344:ARG:CG	2.01	0.88
1:D:278:ILE:O	1:D:282:TYR:CD1	2.27	0.88
1:D:504:LYS:CB	1:D:523:ASP:CB	2.49	0.88
1:D:645:VAL:O	1:D:645:VAL:HG13	1.74	0.88
1:D:737:GLY:H	1:D:750:PHE:HZ	1.16	0.88
1:A:243:ASP:O	1:A:246:PRO:HD2	1.73	0.88
1:A:575:LYS:CG	1:A:576:LEU:H	1.86	0.88
2:B:447:THR:HG23	2:B:452:LEU:N	1.88	0.88
1:D:163:PRO:HB2	1:D:165:LYS:HG3	1.56	0.88

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:352:SER:O	1:D:358:GLU:CG	2.20	0.88
1:D:368:PRO:HA	1:D:369:LEU:HD23	1.56	0.88
1:D:611:PRO:HB2	1:D:612:LEU:HD13	1.56	0.88
1:D:854:ALA:HB1	1:D:860:LEU:HD12	1.55	0.88
1:A:436:PRO:HB3	1:A:881:PRO:CD	2.03	0.88
1:A:744:ILE:CB	1:A:745:PRO:HD3	2.04	0.88
1:A:1007:GLU:O	1:A:1011:PRO:HD3	1.73	0.88
2:B:277:ASP:OD1	2:B:287:ASN:ND2	2.06	0.88
2:C:320:SER:HB3	2:C:321:LYS:HG3	1.54	0.88
1:D:990:LYS:HE2	1:D:1000:GLU:CD	1.99	0.88
1:D:1220:ILE:O	1:D:1223:ILE:HG23	1.75	0.88
1:A:276:ALA:O	1:A:279:ARG:HB2	1.73	0.87
1:A:656:TYR:CB	1:A:720:THR:HB	2.05	0.87
1:A:845:VAL:HB	1:A:855:VAL:CB	2.04	0.87
1:D:441:TRP:HE1	1:D:880:ALA:N	1.71	0.87
1:D:849:THR:HG22	1:D:851:THR:H	1.38	0.87
2:F:217:PRO:HB2	2:F:219:PHE:CE1	2.10	0.87
1:A:296:SER:HB2	1:A:847:ALA:HB3	1.53	0.87
1:A:440:ASN:HB2	1:A:877:MET:SD	2.14	0.87
1:A:869:ARG:HA	1:A:1201:SER:H	1.36	0.87
1:A:1041:TRP:NE1	1:A:1043:VAL:HB	1.90	0.87
2:C:241:TRP:N	2:C:336:LEU:HB2	1.89	0.87
1:D:79:LEU:HD11	1:D:1173:LEU:O	1.74	0.87
1:D:897:TRP:CH2	1:D:1177:VAL:HG11	2.10	0.87
1:D:1014:ARG:HG2	1:D:1026:ARG:HE	1.38	0.87
2:C:301:GLU:CG	2:C:339:ASN:HB3	2.04	0.87
1:D:599:THR:O	1:D:603:MET:HG3	1.74	0.87
1:D:989:THR:HG22	1:D:999:ASP:OD2	1.74	0.87
1:D:997:LEU:HD22	1:D:998:SER:H	1.38	0.87
1:D:1141:VAL:CB	1:D:1146:ARG:HE	1.82	0.87
2:F:341:ASP:O	2:F:342:LEU:HD13	1.74	0.87
1:A:444:TYR:HE1	1:A:1206:MET:SD	1.98	0.87
2:B:453:ILE:HG21	2:B:468:ILE:HD12	1.57	0.87
2:C:243:THR:OG1	2:C:334:CYS:HB2	1.73	0.87
2:C:304:TRP:N	2:C:337:SER:HB2	1.90	0.87
2:C:356:LEU:HB3	2:C:359:ASN:CG	1.99	0.87
1:D:358:GLU:O	1:D:361:ARG:HB3	1.72	0.87
1:D:420:HIS:NE2	1:D:1020:ILE:HG21	1.88	0.87
1:D:610:PHE:N	1:D:611:PRO:HD3	1.85	0.87
2:F:417:TYR:HD2	2:F:417:TYR:N	1.71	0.87
2:F:424:SER:CB	2:F:427:GLN:HE22	1.87	0.87

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:215:ILE:HG23	1:A:216:SER:N	1.85	0.87
2:B:83:LYS:H	2:B:83:LYS:HD2	1.36	0.87
2:B:261:GLN:HE21	2:B:264:ARG:NH2	1.71	0.87
2:C:113:GLU:O	2:C:116:THR:HG23	1.75	0.87
2:C:244:PRO:HD2	2:C:247:THR:CG2	2.05	0.87
2:C:471:LEU:HD12	2:C:471:LEU:H	1.33	0.87
1:D:196:VAL:HG21	1:D:215:ILE:HD12	1.53	0.87
1:D:198:ASP:CB	1:D:400:VAL:HG11	2.04	0.87
1:D:1065:ALA:C	1:D:1073:PRO:HG3	1.99	0.87
2:E:114:TRP:HE1	2:E:259:ARG:NH2	1.71	0.87
2:F:419:GLU:OE2	2:F:428:LEU:HD13	1.73	0.87
1:A:612:LEU:CG	1:A:614:TYR:H	1.87	0.87
1:A:741:ASP:OD1	1:A:742:VAL:HG23	1.75	0.87
1:A:989:THR:HA	1:A:998:SER:OG	1.74	0.87
1:A:1046:GLU:O	1:A:1049:TRP:CD1	2.28	0.87
2:B:261:GLN:HE21	2:B:264:ARG:HH21	0.88	0.87
2:B:261:GLN:HA	2:B:264:ARG:HE	1.38	0.87
1:D:213:VAL:C	1:D:401:TRP:HZ2	1.82	0.87
1:D:449:GLN:HA	1:D:452:TYR:CE2	2.09	0.87
1:D:621:GLY:HA2	1:D:748:TRP:HB3	1.57	0.87
1:D:992:LEU:CB	1:D:996:ARG:HG2	2.04	0.87
1:D:1029:GLN:CG	1:D:1030:ARG:NE	2.38	0.87
2:E:389:ARG:C	2:E:395:LEU:HG	1.98	0.87
1:A:249:VAL:HG23	1:A:815:TRP:O	1.75	0.87
1:A:502:LYS:CG	1:A:503:VAL:H	1.87	0.87
1:A:618:HIS:H	1:A:725:PRO:HG2	1.30	0.87
1:A:1011:PRO:HD2	1:A:1012:VAL:HG22	1.54	0.87
2:C:421:MET:HG3	2:C:422:GLN:N	1.85	0.87
1:D:612:LEU:CB	1:D:620:TRP:HB2	2.05	0.87
1:D:798:ILE:CG2	1:D:869:ARG:NH1	2.36	0.87
1:D:845:VAL:HB	1:D:855:VAL:HG21	1.57	0.87
1:D:1067:SER:HA	1:D:1071:ARG:CA	2.03	0.87
2:E:418:LEU:HD22	2:F:122:ARG:NH2	1.87	0.87
1:A:653:GLU:O	1:A:657:ARG:HG3	1.75	0.87
2:B:254:PHE:O	2:B:257:ARG:HB3	1.73	0.87
2:C:456:ARG:HB2	2:C:463:LYS:HA	1.55	0.87
1:D:95:PRO:HG2	1:D:99:ALA:CB	2.05	0.87
1:D:193:ARG:HA	1:D:193:ARG:NH1	1.90	0.87
1:D:249:VAL:CG2	1:D:250:PRO:HD2	2.04	0.87
1:D:312:TRP:C	1:D:316:LYS:HD3	2.00	0.87
1:D:1019:TRP:HE3	1:D:1168:LEU:CG	1.88	0.87

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:341:ASP:C	2:F:342:LEU:HD13	1.99	0.87
1:A:393:MET:HE3	1:A:396:CYS:SG	2.14	0.87
1:A:515:ILE:HG12	1:A:565:HIS:O	1.75	0.87
2:B:261:GLN:HA	2:B:264:ARG:NE	1.89	0.87
2:C:77:HIS:O	2:C:100:GLY:HA3	1.75	0.87
2:C:208:LEU:HD11	2:C:240:VAL:C	1.99	0.87
1:D:576:LEU:HG	1:D:577:CYS:H	1.37	0.87
1:D:660:CYS:CB	1:D:745:PRO:HG3	2.04	0.87
1:D:812:MET:O	1:D:840:ILE:HG23	1.73	0.87
1:D:815:TRP:HE3	1:D:838:GLY:H	1.19	0.87
1:D:927:ARG:HG2	1:D:928:GLY:N	1.88	0.87
2:E:205:PRO:HB3	2:E:243:THR:HA	1.57	0.87
1:A:655:LEU:HD13	1:A:719:LEU:C	2.00	0.86
1:A:869:ARG:HG2	1:A:870:VAL:HG23	1.55	0.86
1:A:1025:LEU:C	1:A:1026:ARG:HG3	2.00	0.86
2:C:208:LEU:HD22	2:C:242:PHE:CE2	2.10	0.86
1:D:768:LYS:HD3	1:D:769:ASP:N	1.87	0.86
1:D:795:ASN:HD22	1:D:795:ASN:H	0.88	0.86
1:D:996:ARG:H	1:D:996:ARG:CD	1.87	0.86
1:D:1209:ARG:HG3	2:F:249:ASN:HB3	1.55	0.86
2:F:455:LEU:C	2:F:456:ARG:HE	1.83	0.86
1:A:576:LEU:HD23	2:C:481:SER:OG	1.73	0.86
1:A:1108:TYR:HE2	1:A:1112:MET:HE3	1.40	0.86
2:B:72:ILE:CA	2:B:75:ARG:HE	1.85	0.86
1:A:613:HIS:HB3	1:A:717:LEU:CG	2.04	0.86
1:A:743:ASP:C	1:A:744:ILE:HD13	1.99	0.86
1:A:1066:THR:HG1	1:A:1071:ARG:HB3	1.40	0.86
2:B:396:ARG:HG3	2:B:417:TYR:HB2	1.56	0.86
1:D:452:TYR:HB3	1:D:801:TRP:NE1	1.89	0.86
1:D:452:TYR:HB3	1:D:801:TRP:HE1	1.38	0.86
1:D:772:PRO:O	1:D:775:GLU:O	1.93	0.86
2:E:78:PHE:CD2	2:E:102:LEU:HD12	2.10	0.86
1:A:310:SER:O	1:A:313:ILE:HG13	1.75	0.86
1:A:903:GLY:HA2	1:A:1002:GLU:HB3	1.54	0.86
2:C:252:LEU:HD12	2:C:305:ASN:HB2	1.56	0.86
1:D:163:PRO:HG2	1:D:165:LYS:HE3	1.57	0.86
1:D:795:ASN:H	1:D:795:ASN:ND2	1.68	0.86
1:D:1006:ARG:HA	1:D:1006:ARG:HH11	0.73	0.86
2:F:439:PHE:HD1	2:F:458:ARG:CB	1.88	0.86
1:A:135:LEU:H	1:A:135:LEU:CD2	1.83	0.86
1:A:184:ALA:O	1:A:185:VAL:HG12	1.75	0.86

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1146:ARG:CZ	1:A:1185:ILE:HG23	2.06	0.86
1:D:995:TYR:O	1:D:1004:LEU:HD23	1.75	0.86
1:D:1066:THR:O	1:D:1073:PRO:HD3	1.76	0.86
1:D:1208:ARG:HH12	2:F:285:LYS:CD	1.88	0.86
2:E:455:LEU:O	2:E:463:LYS:HA	1.75	0.86
1:A:190:PRO:CB	1:A:192:GLU:HG2	2.03	0.86
1:A:412:PRO:HG2	1:A:413:LEU:HG	1.54	0.86
1:D:300:ALA:HB2	1:D:847:ALA:CB	2.03	0.86
1:D:439:GLN:NE2	1:D:835:GLY:HA3	1.90	0.86
1:D:549:LEU:HD11	2:F:401:GLY:HA3	1.57	0.86
1:D:891:VAL:HA	1:D:894:GLN:NE2	1.91	0.86
1:D:1019:TRP:CD1	1:D:1020:ILE:HG22	2.10	0.86
2:F:114:TRP:HB2	2:F:262:TRP:CZ2	2.10	0.86
2:F:238:SER:CA	2:F:338:VAL:HG11	2.06	0.86
1:A:213:VAL:C	1:A:401:TRP:HZ2	1.83	0.86
1:A:293:ASP:HB3	1:A:296:SER:H	1.40	0.86
1:A:472:GLN:NE2	2:C:460:THR:O	2.07	0.86
1:A:1158:LEU:O	1:A:1162:CYS:SG	2.33	0.86
2:C:326:ASP:OD2	2:C:329:LYS:N	2.08	0.86
2:C:391:PRO:HB2	2:C:394:GLU:OE2	1.76	0.86
1:D:485:LEU:HD12	1:D:489:GLU:OE2	1.76	0.86
1:D:490:TRP:CE3	1:D:580:LEU:HD22	2.10	0.86
2:F:203:ARG:HE	2:F:204:LEU:CD1	1.87	0.86
2:F:241:TRP:CZ3	2:F:255:TRP:NE1	2.43	0.86
2:F:418:LEU:O	2:F:421:MET:HG2	1.74	0.86
2:C:289:LEU:HD12	2:C:301:GLU:HB2	1.56	0.86
2:C:387:VAL:HG12	2:C:395:LEU:CD2	2.06	0.86
1:D:167:PRO:C	1:D:169:TRP:H	1.79	0.86
1:D:284:ILE:HD12	1:D:284:ILE:H	1.38	0.86
1:D:824:ALA:HA	1:D:827:ARG:HG3	1.55	0.86
1:D:1055:SER:HA	1:D:1058:PHE:CB	2.01	0.86
2:E:270:PRO:HA	2:E:273:PHE:CD2	2.09	0.86
2:E:374:LEU:O	2:E:375:HIS:HB2	1.74	0.86
2:E:387:VAL:HG12	2:E:416:GLY:HA3	1.57	0.86
2:C:385:LEU:O	2:C:416:GLY:HA3	1.76	0.86
1:D:242:ALA:HB1	1:D:245:ILE:CD1	2.05	0.86
1:D:375:GLU:C	1:D:379:LYS:HG3	2.01	0.86
1:D:383:LYS:O	1:D:386:ARG:HG3	1.76	0.86
1:D:457:ARG:HH22	2:F:485:VAL:HG23	1.40	0.86
1:D:549:LEU:CA	1:D:551:LYS:HZ2	1.89	0.86
1:D:869:ARG:N	1:D:1200:PRO:CB	2.38	0.86

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:995:TYR:HE1	1:D:1004:LEU:HB3	1.41	0.86
2:E:387:VAL:HG12	2:E:416:GLY:CA	2.04	0.86
2:E:420:THR:HG23	2:E:421:MET:H	1.40	0.86
1:A:556:THR:HG23	2:C:452:LEU:CB	2.05	0.86
1:A:617:ARG:O	1:A:762:VAL:HG23	1.76	0.86
1:A:883:GLY:C	1:A:884:TYR:HD1	1.83	0.86
1:A:1020:ILE:HD12	1:A:1021:SER:H	1.40	0.86
2:B:267:ALA:HB2	2:B:270:PRO:HB2	1.56	0.86
1:D:459:MET:H	1:D:460:LYS:HZ1	1.20	0.86
1:D:869:ARG:N	1:D:1200:PRO:HB3	1.89	0.86
1:A:145:LYS:HG3	1:A:1118:TRP:CH2	2.11	0.85
1:A:272:SER:HB3	1:A:273:PHE:CD2	2.11	0.85
1:A:472:GLN:HG3	2:C:460:THR:CB	2.05	0.85
2:C:446:THR:OG1	2:C:455:LEU:HD21	1.76	0.85
1:D:189:ILE:CG2	1:D:258:GLN:HB3	2.05	0.85
1:D:293:ASP:O	1:D:296:SER:HB3	1.76	0.85
1:D:564:GLN:HA	1:D:566:LEU:O	1.75	0.85
1:D:598:VAL:HA	1:D:601:LYS:CE	2.06	0.85
1:D:877:MET:HE1	1:D:1203:PRO:C	2.01	0.85
1:A:576:LEU:HD12	1:A:577:CYS:N	1.91	0.85
2:C:375:HIS:HB3	2:C:378:LEU:HD13	1.55	0.85
2:C:385:LEU:HD21	2:C:402:LEU:HD23	1.57	0.85
1:D:635:PRO:HA	1:D:639:THR:OG1	1.77	0.85
1:D:801:TRP:CH2	1:D:805:HIS:CG	2.65	0.85
1:D:876:ALA:HB1	1:D:1188:CYS:SG	2.16	0.85
2:F:306:LEU:HG	2:F:306:LEU:O	1.76	0.85
2:F:447:THR:C	2:F:452:LEU:HA	2.00	0.85
1:A:369:PRO:CB	1:A:372:GLU:HG3	1.98	0.85
2:B:102:LEU:H	2:B:102:LEU:HD12	1.41	0.85
1:D:249:VAL:CG1	1:D:252:GLY:N	2.34	0.85
1:D:302:SER:HB2	1:D:351:SER:OG	1.76	0.85
1:D:652:ILE:HA	1:D:655:LEU:CG	2.06	0.85
1:D:1209:ARG:NH2	2:F:252:LEU:HD22	1.90	0.85
2:E:101:PRO:CD	2:F:128:VAL:HG21	2.06	0.85
2:F:215:PHE:CD2	2:F:233:GLU:HG2	2.11	0.85
2:F:387:VAL:O	2:F:420:THR:OG1	1.94	0.85
1:A:297:MET:CE	1:A:411:LEU:HD13	2.03	0.85
1:A:359:ALA:HB2	1:A:407:PHE:HE2	1.39	0.85
1:A:369:PRO:HB2	1:A:372:GLU:CG	1.98	0.85
1:A:604:ALA:HA	1:A:717:LEU:CD2	2.07	0.85
1:A:629:ASP:HB3	1:A:744:ILE:O	1.76	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:955:TYR:HB3	1:A:1098:ASN:CG	2.01	0.85
2:C:129:ASP:OD1	2:C:131:LEU:HD22	1.76	0.85
2:C:446:THR:HB	2:C:450:ASN:OD1	1.76	0.85
1:D:78:MET:SD	1:D:1175:GLN:NE2	2.49	0.85
1:D:242:ALA:O	1:D:246:PRO:HD3	1.76	0.85
1:D:1138:ARG:HH22	1:D:1191:LYS:CE	1.88	0.85
2:F:471:LEU:CD1	2:F:471:LEU:N	2.36	0.85
1:A:445:LEU:O	1:A:448:ALA:HB3	1.77	0.85
1:A:606:THR:OG1	1:A:612:LEU:C	2.20	0.85
1:A:921:LEU:H	1:A:921:LEU:HD12	1.39	0.85
1:A:1141:VAL:HB	1:A:1146:ARG:CD	2.07	0.85
2:C:473:ASP:HA	2:C:476:ILE:HG23	1.56	0.85
1:D:246:PRO:C	1:D:247:LEU:HD12	2.00	0.85
1:D:741:ASP:HB2	1:D:748:TRP:CH2	2.11	0.85
1:D:1191:LYS:O	1:D:1192:GLU:HB3	1.74	0.85
1:D:1212:ILE:HG23	1:D:1214:GLN:H	1.41	0.85
1:A:670:PRO:HG2	1:A:671:GLN:HE21	1.38	0.85
1:A:741:ASP:O	1:A:742:VAL:HB	1.77	0.85
1:D:175:TRP:CZ3	1:D:184:ALA:HA	2.10	0.85
1:D:309:ARG:HA	1:D:312:TRP:HB2	1.58	0.85
2:F:326:ASP:OD1	2:F:329:LYS:HG2	1.76	0.85
2:F:387:VAL:HG21	2:F:417:TYR:CA	2.07	0.85
2:F:394:GLU:HA	2:F:397:GLN:OE1	1.75	0.85
1:A:228:LEU:HD23	1:A:228:LEU:C	2.00	0.85
1:A:784:GLY:N	2:C:363:ARG:CD	2.39	0.85
1:A:832:ASP:O	1:A:833:GLU:HB2	1.77	0.85
1:A:1158:LEU:HD21	1:A:1178:ALA:O	1.77	0.85
2:B:311:LEU:HG	2:B:312:LEU:N	1.89	0.85
2:C:244:PRO:CD	2:C:247:THR:HG21	2.05	0.85
1:D:444:TYR:OH	1:D:1206:MET:HB3	1.75	0.85
1:D:524:PRO:O	1:D:525:MET:HB3	1.74	0.85
1:D:564:GLN:CA	1:D:566:LEU:O	2.25	0.85
1:D:569:HIS:H	1:D:570:PRO:HD2	1.40	0.85
1:D:967:MET:HA	1:D:967:MET:HE3	1.57	0.85
1:D:995:TYR:H	1:D:996:ARG:NH1	1.74	0.85
1:D:1221:TYR:HA	1:D:1224:ILE:HG23	1.59	0.85
2:E:388:GLY:C	2:E:395:LEU:CD1	2.49	0.85
1:A:98:ALA:O	1:A:102:ARG:HG2	1.77	0.85
1:A:127:LEU:HD23	1:A:128:PRO:HD2	1.57	0.85
1:A:606:THR:CG2	1:A:613:HIS:N	2.40	0.85
1:A:744:ILE:CG1	1:A:745:PRO:HD3	2.05	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:180:LYS:HE3	2:C:181:LEU:N	1.91	0.85
2:C:342:LEU:HG	2:C:344:ARG:HB2	1.57	0.85
1:D:350:ILE:C	1:D:352:SER:H	1.83	0.85
1:D:1025:LEU:O	1:D:1027:LYS:HD3	1.75	0.85
2:F:317:GLY:HA3	2:F:320:SER:H	1.40	0.85
2:F:342:LEU:HB2	2:F:344:ARG:HB2	1.59	0.85
1:A:85:GLU:OE1	1:A:128:PRO:HA	1.76	0.85
1:A:612:LEU:HG	1:A:614:TYR:N	1.89	0.85
1:A:1145:ASP:HA	1:A:1148:ARG:HB2	1.59	0.85
1:A:1210:TYR:HE1	1:A:1213:PRO:HG2	1.35	0.85
1:D:1025:LEU:O	1:D:1026:ARG:C	2.17	0.85
2:F:326:ASP:OD2	2:F:329:LYS:N	2.08	0.85
1:A:503:VAL:HG21	1:A:520:ALA:O	1.77	0.85
1:A:633:LYS:HD2	1:A:633:LYS:C	2.00	0.85
1:A:767:ALA:HB3	1:A:771:LEU:HD23	1.59	0.85
1:D:255:SER:HB3	1:D:256:PRO:C	2.02	0.85
1:D:504:LYS:HB2	1:D:523:ASP:O	1.76	0.85
1:D:549:LEU:H	1:D:551:LYS:NZ	1.71	0.85
1:D:559:LEU:HD12	1:D:560:PRO:HD3	1.57	0.85
1:D:1222:GLN:O	1:D:1226:LEU:HD22	1.74	0.85
2:E:109:ASN:HB2	2:E:378:LEU:CA	2.07	0.85
1:A:223:TRP:HD1	1:A:223:TRP:N	1.74	0.84
1:A:232:ARG:CB	1:A:239:LEU:HD22	2.04	0.84
1:A:452:TYR:HA	1:A:869:ARG:HH21	1.40	0.84
1:A:659:HIS:O	1:A:663:GLN:HG3	1.76	0.84
2:C:471:LEU:CD1	2:C:471:LEU:H	1.66	0.84
1:D:171:TRP:O	1:D:172:ALA:HB2	1.77	0.84
1:D:513:LEU:N	1:D:570:PRO:HG3	1.90	0.84
1:D:529:ASP:O	1:D:530:LEU:HB3	1.75	0.84
1:D:612:LEU:CD1	1:D:612:LEU:H	1.89	0.84
1:D:775:GLU:HA	1:D:780:GLN:CG	2.06	0.84
2:F:454:HIS:O	2:F:455:LEU:HB2	1.73	0.84
1:A:97:GLU:O	1:A:101:ARG:HB2	1.77	0.84
1:A:203:LEU:HD12	1:A:380:GLY:N	1.92	0.84
1:A:213:VAL:HA	1:A:221:TYR:CE2	2.12	0.84
1:A:869:ARG:CG	1:A:870:VAL:H	1.89	0.84
1:A:992:LEU:CD1	1:A:993:ARG:H	1.90	0.84
2:C:354:PHE:HB2	2:C:372:LEU:HA	1.59	0.84
1:D:442:GLU:HA	1:D:442:GLU:OE2	1.77	0.84
2:E:328:ARG:N	2:E:328:ARG:HD2	1.90	0.84
2:F:342:LEU:HB2	2:F:344:ARG:CB	2.06	0.84

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:569:HIS:CD2	1:A:570:PRO:HD2	2.13	0.84
1:A:612:LEU:CG	1:A:613:HIS:H	1.83	0.84
1:A:854:ALA:CB	1:A:860:LEU:HD13	2.07	0.84
1:D:887:VAL:HG22	1:D:1185:ILE:HG22	1.57	0.84
2:E:432:TYR:CA	2:E:435:MET:HB2	2.05	0.84
2:F:130:ALA:HB1	2:F:182:ARG:HH12	1.42	0.84
2:F:214:CYS:SG	2:F:236:GLU:CG	2.65	0.84
1:A:308:GLN:HA	1:A:311:LEU:HD12	1.60	0.84
1:A:400:VAL:O	1:A:403:THR:HG23	1.77	0.84
1:A:1200:PRO:HB2	1:A:1203:PRO:N	1.90	0.84
2:C:73:CYS:HB3	2:C:79:LEU:HD23	1.57	0.84
2:C:291:TYR:OH	2:C:355:GLN:HG3	1.77	0.84
2:C:397:GLN:O	2:C:398:VAL:HG22	1.78	0.84
1:D:576:LEU:O	1:D:577:CYS:O	1.95	0.84
1:D:1116:MET:HE3	1:D:1156:THR:HB	1.57	0.84
2:F:268:MET:HB2	2:F:352:ASP:OD1	1.76	0.84
1:A:448:ALA:HB1	1:A:870:VAL:CG1	2.07	0.84
1:A:879:GLN:HG2	1:A:1189:LEU:CD2	2.06	0.84
1:D:223:TRP:O	1:D:227:ARG:HD2	1.78	0.84
1:D:1197:CYS:O	1:D:1204:THR:OG1	1.95	0.84
1:D:1221:TYR:HA	1:D:1224:ILE:HG22	1.58	0.84
2:F:374:LEU:HB3	2:F:378:LEU:HB3	1.57	0.84
2:F:440:THR:O	2:F:457:SER:HB2	1.77	0.84
2:F:471:LEU:HA	2:F:474:PHE:HD2	1.41	0.84
1:A:286:GLY:N	1:A:1128:ARG:HH22	1.76	0.84
1:A:606:THR:HG22	1:A:620:TRP:CE3	2.12	0.84
1:A:655:LEU:O	1:A:659:HIS:HB2	1.77	0.84
1:A:842:PRO:HB2	1:A:856:GLU:OE1	1.77	0.84
1:A:1145:ASP:HB3	1:A:1148:ARG:NH1	1.93	0.84
1:D:74:LEU:HA	1:D:76:ILE:O	1.77	0.84
1:D:779:LEU:HD22	1:D:780:GLN:N	1.92	0.84
1:D:987:ALA:O	1:D:991:GLY:N	2.10	0.84
1:A:118:VAL:H	1:A:119:PRO:HD3	1.42	0.84
1:A:854:ALA:HB1	1:A:860:LEU:CD1	2.07	0.84
1:A:904:ASP:HB2	1:A:910:MET:O	1.77	0.84
2:B:259:ARG:O	2:B:260:LEU:C	2.17	0.84
2:C:336:LEU:HD23	2:C:336:LEU:C	2.03	0.84
2:C:456:ARG:HB2	2:C:463:LYS:C	2.02	0.84
1:D:210:THR:O	1:D:211:LEU:HB2	1.78	0.84
1:D:617:ARG:O	1:D:762:VAL:HG23	1.77	0.84
1:D:770:PHE:O	1:D:774:MET:HG2	1.77	0.84

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:180:LYS:HE3	2:F:181:LEU:N	1.91	0.84
1:A:175:TRP:H	1:A:186:PRO:HB3	1.41	0.84
1:A:618:HIS:HA	1:A:762:VAL:CG2	2.08	0.84
1:A:825:VAL:O	1:A:829:PRO:CD	2.26	0.84
1:A:850:ILE:HD11	1:A:1099:TRP:CZ2	2.13	0.84
2:B:204:LEU:HG	2:B:325:ARG:NH2	1.91	0.84
2:C:129:ASP:OD1	2:C:131:LEU:HD13	1.77	0.84
1:D:80:SER:HB2	1:D:125:LEU:HB2	1.60	0.84
1:D:1027:LYS:HB3	1:D:1091:GLU:CB	2.08	0.84
2:E:200:VAL:HG12	2:F:418:LEU:CD2	2.08	0.84
2:E:377:CYS:O	2:E:380:PRO:HD2	1.76	0.84
2:F:341:ASP:CG	2:F:342:LEU:H	1.83	0.84
1:A:256:PRO:CD	1:A:257:THR:H	1.87	0.84
1:A:397:ALA:O	1:A:400:VAL:HB	1.77	0.84
2:B:257:ARG:O	2:B:260:LEU:HB3	1.76	0.84
1:D:157:LEU:CD2	1:D:194:ALA:HB3	2.08	0.84
1:D:257:THR:O	1:D:257:THR:HG22	1.77	0.84
1:D:282:TYR:HE2	1:D:432:VAL:HG22	1.41	0.84
1:D:302:SER:O	1:D:1024:ASP:OD2	1.95	0.84
1:D:854:ALA:HB1	1:D:860:LEU:HD13	1.58	0.84
1:A:166:PRO:HG3	1:A:398:GLN:HE22	1.39	0.84
1:A:308:GLN:HE21	1:A:1091:GLU:H	1.26	0.84
1:A:652:ILE:HA	1:A:655:LEU:HD21	1.60	0.84
1:A:801:TRP:CZ3	1:A:808:ILE:HD12	2.13	0.84
1:D:513:LEU:CB	1:D:568:GLY:HA2	2.07	0.84
1:D:1236:GLN:HB2	1:D:1237:PRO:CD	2.07	0.84
2:F:197:LEU:HD11	2:F:322:LEU:HG	1.60	0.84
2:F:317:GLY:HA3	2:F:320:SER:HB2	1.60	0.84
1:A:135:LEU:HD23	1:A:135:LEU:N	1.91	0.83
1:A:176:THR:HA	1:A:218:SER:CB	2.04	0.83
1:A:210:THR:CA	1:A:224:CYS:HB2	2.08	0.83
1:A:213:VAL:CG1	1:A:401:TRP:NE1	2.27	0.83
2:B:472:LYS:HG3	2:B:473:ASP:N	1.90	0.83
1:D:179:GLY:C	1:D:181:GLU:H	1.86	0.83
1:D:194:ALA:HB1	1:D:265:LEU:CD1	2.08	0.83
2:F:306:LEU:N	2:F:335:VAL:HG11	1.92	0.83
1:A:195:LEU:HG	1:A:265:LEU:HD22	1.60	0.83
1:A:784:GLY:N	2:C:363:ARG:HD2	1.94	0.83
2:C:197:LEU:HD11	2:C:322:LEU:CG	2.08	0.83
1:D:455:LEU:CD1	1:D:869:ARG:NH1	2.40	0.83
1:D:607:TRP:HD1	1:D:780:GLN:N	1.65	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:86:LEU:HA	2:E:90:SER:HB3	1.60	0.83
1:A:192:GLU:CB	1:A:195:LEU:HD21	2.08	0.83
1:A:608:ASP:HA	1:A:779:LEU:HB2	1.58	0.83
1:A:660:CYS:SG	1:A:745:PRO:HG3	2.18	0.83
1:A:1140:LEU:HD23	1:A:1141:VAL:H	1.43	0.83
2:B:323:HIS:CB	2:B:332:VAL:HA	2.08	0.83
2:B:440:THR:HG22	2:B:441:VAL:H	1.42	0.83
1:D:195:LEU:H	1:D:265:LEU:CD2	1.90	0.83
1:D:547:ALA:HA	1:D:551:LYS:HE2	1.60	0.83
2:E:259:ARG:CZ	2:E:263:TRP:HE1	1.91	0.83
2:E:402:LEU:HD22	2:E:468:ILE:HD11	1.59	0.83
2:F:444:THR:O	2:F:447:THR:CG2	2.26	0.83
2:F:460:THR:HG23	2:F:462:MET:HB2	1.60	0.83
2:F:483:LYS:HE2	2:F:483:LYS:O	1.77	0.83
2:B:383:VAL:HG13	2:B:413:VAL:HG13	0.87	0.83
2:C:217:PRO:HB2	2:C:219:PHE:CE1	2.13	0.83
1:D:185:VAL:HG23	1:D:186:PRO:O	1.79	0.83
1:D:285:GLN:HE22	1:D:1128:ARG:HG2	1.38	0.83
1:D:352:SER:C	1:D:358:GLU:CD	2.37	0.83
1:D:436:PRO:HG3	1:D:881:PRO:HD3	1.60	0.83
1:D:959:GLN:O	1:D:963:GLU:HG2	1.78	0.83
1:D:1206:MET:SD	1:D:1210:TYR:CA	2.66	0.83
1:D:1208:ARG:HG3	1:D:1209:ARG:H	1.43	0.83
2:F:417:TYR:HD2	2:F:417:TYR:H	0.89	0.83
2:F:451:GLY:O	2:F:452:LEU:HB2	1.77	0.83
2:F:454:HIS:HB2	2:F:466:MET:C	2.02	0.83
1:A:83:LEU:HD22	1:A:89:GLY:HA2	1.60	0.83
1:A:371:LYS:C	1:A:372:GLU:HG2	2.02	0.83
1:A:823:ARG:CB	1:A:825:VAL:HG23	2.06	0.83
1:A:1026:ARG:HB3	1:A:1029:GLN:HB2	1.44	0.83
2:B:323:HIS:HA	2:B:333:PRO:HD2	1.60	0.83
2:C:208:LEU:HD11	2:C:240:VAL:HB	1.59	0.83
1:D:1020:ILE:CD1	1:D:1021:SER:N	2.41	0.83
2:F:200:VAL:O	2:F:203:ARG:HB2	1.78	0.83
2:F:276:SER:O	2:F:287:ASN:CB	2.26	0.83
1:A:271:VAL:HG22	1:A:295:MET:SD	2.19	0.83
1:A:305:SER:HB2	1:A:308:GLN:CG	2.09	0.83
1:A:382:MET:SD	1:A:385:ILE:HG22	2.18	0.83
1:A:789:PRO:HA	1:A:792:LEU:HD11	1.60	0.83
2:B:269:SER:H	2:B:270:PRO:HD3	1.43	0.83
2:B:373:LYS:HE2	2:B:459:ASP:HA	1.61	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:364:LYS:H	2:C:364:LYS:HD3	1.42	0.83
2:C:395:LEU:HD21	2:C:443:VAL:CG1	2.08	0.83
2:C:424:SER:HB3	2:C:427:GLN:NE2	1.91	0.83
1:D:208:CYS:SG	1:D:244:LEU:HD12	2.19	0.83
1:D:887:VAL:HG23	1:D:1146:ARG:NH2	1.93	0.83
1:D:1027:LYS:HD2	1:D:1091:GLU:OE2	1.79	0.83
1:A:393:MET:SD	1:A:393:MET:N	2.52	0.83
1:A:468:ASN:O	1:A:472:GLN:HG2	1.79	0.83
1:A:916:PHE:HA	1:A:919:MET:CB	2.09	0.83
1:A:1043:VAL:HA	1:A:1046:GLU:N	1.92	0.83
2:C:308:ASP:OD1	2:C:332:VAL:O	1.95	0.83
2:C:483:LYS:HE2	2:C:483:LYS:O	1.78	0.83
1:D:83:LEU:HD13	1:D:83:LEU:H	1.42	0.83
1:D:436:PRO:CG	1:D:881:PRO:HD3	2.08	0.83
1:D:1206:MET:SD	1:D:1206:MET:O	2.37	0.83
2:E:378:LEU:O	2:E:381:ILE:O	1.97	0.83
2:F:190:LEU:CB	2:F:314:MET:HE2	2.09	0.83
2:F:241:TRP:N	2:F:336:LEU:HB2	1.93	0.83
1:A:563:PRO:C	1:A:564:GLN:HE21	1.86	0.83
1:A:1046:GLU:OE1	1:A:1049:TRP:HB3	1.79	0.83
1:A:1133:ILE:HG23	1:A:1136:GLU:HB2	1.61	0.83
2:C:102:LEU:HD11	2:C:435:MET:HE1	1.59	0.83
1:D:556:THR:HB	2:F:467:HIS:HE2	1.43	0.83
1:D:670:PRO:HG2	1:D:673:ALA:CB	2.09	0.83
2:E:106:LEU:HA	2:E:109:ASN:OD1	1.79	0.83
2:E:249:ASN:ND2	2:E:285:LYS:HE2	1.93	0.83
2:F:197:LEU:HD11	2:F:322:LEU:CG	2.07	0.83
1:A:138:HIS:O	1:A:142:LEU:HG	1.77	0.83
1:A:295:MET:HE2	1:A:353:VAL:CG2	2.08	0.83
1:A:573:TYR:O	1:A:574:ARG:HG3	1.78	0.83
1:A:664:GLY:O	1:A:667:GLN:HG2	1.79	0.83
1:A:853:ARG:CZ	1:A:1105:ALA:HB3	2.08	0.83
1:A:1148:ARG:HH11	1:A:1148:ARG:CG	1.91	0.83
2:C:264:ARG:HA	2:C:270:PRO:HB3	1.60	0.83
1:D:408:GLN:O	1:D:412:PRO:HD3	1.79	0.83
1:D:434:TYR:O	1:D:1130:CYS:HB3	1.79	0.83
2:E:347:LEU:O	2:E:350:LEU:HB3	1.79	0.83
2:F:197:LEU:HD23	2:F:198:ASP:N	1.93	0.83
1:A:408:GLN:HA	1:A:411:LEU:CD2	2.09	0.83
1:A:786:ALA:HB1	1:A:790:ARG:NH1	1.94	0.83
1:D:380:GLY:O	1:D:381:THR:HG22	1.77	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:462:MET:HE2	2:E:462:MET:HA	1.58	0.83
1:A:452:TYR:CA	1:A:869:ARG:HH21	1.91	0.82
1:A:462:SER:O	1:A:466:LEU:HD23	1.78	0.82
1:A:484:TRP:O	1:A:488:LEU:HG	1.78	0.82
1:A:927:ARG:CG	1:A:928:GLY:H	1.91	0.82
2:C:197:LEU:HD11	2:C:322:LEU:HG	1.58	0.82
2:C:431:LYS:HZ1	2:C:435:MET:HG2	1.40	0.82
1:D:270:ASN:O	1:D:272:SER:O	1.97	0.82
1:D:316:LYS:NZ	1:D:348:LEU:HD23	1.94	0.82
1:D:352:SER:C	1:D:352:SER:CB	2.51	0.82
1:D:475:SER:O	1:D:711:ALA:HB1	1.77	0.82
1:D:486:TRP:HZ2	1:D:722:ARG:CA	1.92	0.82
1:D:914:THR:OG1	1:D:999:ASP:OD1	1.97	0.82
1:D:995:TYR:CD1	1:D:1004:LEU:HB3	2.14	0.82
2:F:239:LEU:N	2:F:338:VAL:CG1	2.42	0.82
2:F:387:VAL:HG12	2:F:443:VAL:CG2	2.09	0.82
2:F:445:GLU:O	2:F:448:LEU:N	2.12	0.82
1:A:379:LYS:O	1:A:379:LYS:HG2	1.79	0.82
1:A:468:ASN:CG	2:C:460:THR:HG21	2.03	0.82
1:A:490:TRP:O	1:A:580:LEU:HD13	1.78	0.82
1:A:783:PRO:HG2	2:C:363:ARG:CZ	2.09	0.82
1:A:1041:TRP:C	1:A:1041:TRP:HD1	1.88	0.82
1:A:1113:LEU:HB3	1:A:1117:LYS:HE3	1.61	0.82
1:A:1166:TYR:N	1:A:1166:TYR:CD1	2.46	0.82
2:B:261:GLN:HA	2:B:264:ARG:CD	2.09	0.82
2:B:313:HIS:O	2:B:316:PRO:HD3	1.79	0.82
2:C:247:THR:HB	2:C:251:TRP:HD1	1.40	0.82
1:D:271:VAL:HG12	1:D:272:SER:N	1.92	0.82
1:D:304:LEU:H	1:D:309:ARG:NH2	1.77	0.82
1:D:414:PHE:HA	1:D:417:ARG:HH11	1.42	0.82
1:D:548:CYS:N	1:D:551:LYS:HZ3	1.76	0.82
1:D:580:LEU:C	1:D:580:LEU:HD12	2.04	0.82
1:A:371:LYS:C	1:A:373:PRO:HD3	2.04	0.82
1:A:1047:ARG:NH2	1:A:1050:LYS:HD2	1.94	0.82
1:A:1060:LYS:HD3	1:A:1073:PRO:HB2	1.60	0.82
1:A:1109:LEU:HD12	1:A:1113:LEU:HD21	1.60	0.82
2:B:99:PHE:HD2	2:C:129:ASP:CG	1.86	0.82
2:B:269:SER:N	2:B:270:PRO:CD	2.42	0.82
2:C:455:LEU:HB3	2:C:456:ARG:NE	1.94	0.82
1:D:167:PRO:C	1:D:169:TRP:N	2.34	0.82
1:D:256:PRO:HG2	1:D:284:ILE:CD1	2.09	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:275:ARG:HH11	1:D:843:GLN:CD	1.87	0.82
1:D:289:MET:SD	1:D:289:MET:C	2.62	0.82
1:D:350:ILE:HG22	1:D:352:SER:HB2	1.57	0.82
1:D:496:LYS:HE3	1:D:571:GLY:CA	2.09	0.82
2:E:428:LEU:O	2:E:431:LYS:HB3	1.78	0.82
2:F:453:ILE:CG2	2:F:455:LEU:H	1.92	0.82
2:F:454:HIS:HA	2:F:468:ILE:CD1	2.08	0.82
1:A:490:TRP:HA	1:A:580:LEU:CD2	2.07	0.82
1:A:649:TYR:O	1:A:653:GLU:N	2.11	0.82
1:A:827:ARG:HA	1:A:831:TYR:CZ	2.15	0.82
1:A:897:TRP:HE1	1:A:901:VAL:CG1	1.93	0.82
1:A:996:ARG:CZ	1:A:1000:GLU:HB3	2.09	0.82
2:E:377:CYS:SG	2:E:378:LEU:HD12	2.18	0.82
2:E:451:GLY:O	2:E:452:LEU:HD13	1.79	0.82
2:F:320:SER:HB3	2:F:321:LYS:HG3	1.60	0.82
2:F:447:THR:HA	2:F:452:LEU:HA	1.61	0.82
1:A:223:TRP:O	1:A:227:ARG:HB2	1.79	0.82
1:A:601:LYS:NZ	1:A:721:ALA:HB1	1.95	0.82
2:C:398:VAL:O	2:C:402:LEU:HD13	1.79	0.82
2:C:446:THR:CA	2:C:450:ASN:HB3	2.09	0.82
1:D:367:PRO:CG	1:D:368:PRO:HD3	2.09	0.82
1:A:260:ASP:H	1:A:264:GLN:NE2	1.77	0.82
1:A:275:ARG:NH2	1:A:845:VAL:CA	2.43	0.82
1:A:471:CYS:HB3	1:A:472:GLN:OE1	1.78	0.82
1:A:1047:ARG:O	1:A:1047:ARG:HD3	1.78	0.82
1:D:960:PRO:HA	1:D:963:GLU:HG3	1.60	0.82
2:F:102:LEU:HD11	2:F:435:MET:HE1	1.59	0.82
1:A:1198:LYS:HG3	1:A:1204:THR:HG21	1.60	0.82
1:D:624:VAL:C	1:D:626:GLY:H	1.86	0.82
1:D:1203:PRO:O	1:D:1207:GLU:N	2.12	0.82
1:D:1207:GLU:CA	1:D:1210:TYR:HD2	1.93	0.82
1:A:658:LYS:HG3	1:A:713:PRO:CB	2.06	0.82
1:A:1114:VAL:HA	1:A:1117:LYS:HD2	1.61	0.82
1:A:1131:ILE:CD1	1:A:1133:ILE:HG22	2.09	0.82
1:A:1220:ILE:HD12	1:A:1220:ILE:N	1.95	0.82
2:C:372:LEU:CD1	2:C:436:SER:HB2	2.09	0.82
2:C:471:LEU:O	2:C:475:LEU:HG	1.80	0.82
1:D:438:ASN:N	1:D:441:TRP:CD1	2.48	0.82
1:D:869:ARG:O	1:D:1200:PRO:CG	2.26	0.82
1:D:1052:GLY:HA2	1:D:1055:SER:HB3	1.61	0.82
1:D:1206:MET:HG2	2:F:257:ARG:HH11	1.40	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1207:GLU:O	1:D:1210:TYR:CD2	2.33	0.82
2:E:407:LEU:HD23	2:E:412:SER:HA	1.61	0.82
2:F:253:ASP:O	2:F:257:ARG:HD2	1.79	0.82
1:A:165:LYS:HB2	1:A:178:TYR:HA	1.62	0.82
1:A:175:TRP:CD1	1:A:183:GLU:HB2	2.14	0.82
1:A:190:PRO:CB	1:A:192:GLU:CG	2.56	0.82
1:A:885:THR:HB	1:A:1146:ARG:HE	1.44	0.82
2:C:115:TRP:HH2	2:C:210:GLN:HG2	1.44	0.82
2:C:326:ASP:OD1	2:C:329:LYS:HG2	1.80	0.82
2:C:344:ARG:HA	2:C:347:LEU:HD22	1.62	0.82
1:D:175:TRP:HB2	1:D:185:VAL:HG13	1.60	0.82
1:D:193:ARG:HA	1:D:193:ARG:NE	1.88	0.82
1:D:275:ARG:CD	1:D:843:GLN:H	1.92	0.82
1:D:375:GLU:O	1:D:379:LYS:HG3	1.79	0.82
1:D:498:LYS:HG2	1:D:499:LYS:H	1.45	0.82
1:D:768:LYS:CE	1:D:769:ASP:H	1.93	0.82
1:D:808:ILE:O	1:D:811:GLN:CB	2.27	0.82
1:D:890:ASP:OD1	1:D:1191:LYS:HD3	1.79	0.82
2:F:415:PRO:HB3	2:F:417:TYR:CE2	2.15	0.82
2:F:471:LEU:O	2:F:475:LEU:HG	1.80	0.82
1:A:228:LEU:HD12	1:A:386:ARG:HB3	1.62	0.82
1:A:626:GLY:HA3	1:A:628:ARG:O	1.80	0.82
1:A:784:GLY:H	2:C:363:ARG:HD2	1.41	0.82
1:D:112:LEU:CD2	1:D:917:GLY:O	2.28	0.82
1:D:364:VAL:O	1:D:364:VAL:HG12	1.80	0.82
1:D:869:ARG:H	1:D:1200:PRO:HB2	1.45	0.82
1:D:1069:ILE:O	1:D:1071:ARG:CG	2.26	0.82
1:A:601:LYS:HZ1	1:A:721:ALA:HB1	1.45	0.81
1:A:1208:ARG:N	1:A:1210:TYR:CD1	2.48	0.81
1:D:422:VAL:HG11	1:D:1111:LEU:HD12	1.60	0.81
2:F:375:HIS:H	2:F:378:LEU:CD2	1.93	0.81
2:F:447:THR:O	2:F:452:LEU:CD1	2.26	0.81
1:A:115:GLN:N	1:A:116:PRO:HD2	1.93	0.81
1:A:490:TRP:CA	1:A:580:LEU:HD22	2.08	0.81
1:A:851:THR:HG1	1:A:1099:TRP:CD1	1.98	0.81
1:A:1040:LYS:HB3	1:A:1044:VAL:CG1	2.09	0.81
1:A:1160:THR:O	1:A:1164:PHE:HD1	1.63	0.81
1:A:1199:THR:CA	1:A:1200:PRO:C	2.52	0.81
2:B:233:GLU:C	2:B:234:LYS:HE2	2.03	0.81
1:D:851:THR:HG23	1:D:1102:GLN:HB3	1.63	0.81
1:D:1008:LEU:C	1:D:1011:PRO:HD2	2.05	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:213:VAL:CG1	1:A:397:ALA:HB1	2.10	0.81
1:A:223:TRP:CD1	1:A:223:TRP:H	1.95	0.81
1:A:512:LYS:O	1:A:513:LEU:HD23	1.80	0.81
1:A:608:ASP:O	1:A:620:TRP:CH2	2.33	0.81
1:A:794:ILE:HA	1:A:797:MET:SD	2.20	0.81
2:B:101:PRO:HA	2:C:128:VAL:CG2	2.09	0.81
2:B:192:HIS:CE1	2:C:80:SER:HB3	2.16	0.81
2:C:201:ASN:C	2:C:203:ARG:H	1.88	0.81
2:C:299:LEU:HD23	2:C:299:LEU:N	1.95	0.81
2:C:344:ARG:HA	2:C:347:LEU:CB	2.11	0.81
2:C:402:LEU:HG	2:C:472:LYS:NZ	1.95	0.81
2:C:446:THR:CA	2:C:450:ASN:CB	2.58	0.81
2:C:467:HIS:O	2:C:471:LEU:HD11	1.80	0.81
1:D:196:VAL:CG2	1:D:215:ILE:HD12	2.11	0.81
1:D:233:TYR:O	1:D:234:SER:HB2	1.79	0.81
1:D:347:TRP:CD1	1:D:349:ASP:OD2	2.32	0.81
1:D:457:ARG:HB3	1:D:457:ARG:HH11	1.44	0.81
1:D:618:HIS:HB2	1:D:725:PRO:CG	2.08	0.81
1:D:847:ALA:HA	1:D:852:ARG:HA	1.62	0.81
1:D:885:THR:C	1:D:886:LEU:HD23	2.05	0.81
1:D:1137:VAL:HG12	1:D:1139:TYR:CE1	2.15	0.81
1:D:1157:ASN:O	1:D:1161:ARG:HD2	1.80	0.81
1:D:1206:MET:HG3	2:F:257:ARG:HH11	1.46	0.81
2:E:432:TYR:CB	2:E:437:ILE:CD1	2.44	0.81
2:F:125:VAL:HG23	2:F:126:PHE:H	1.42	0.81
2:F:234:LYS:HZ3	2:F:344:ARG:CD	1.88	0.81
2:F:455:LEU:CA	2:F:456:ARG:HE	1.92	0.81
1:A:282:TYR:O	1:A:283:LEU:HB2	1.79	0.81
1:A:378:VAL:O	1:A:380:GLY:N	2.09	0.81
1:A:575:LYS:HG3	1:A:576:LEU:N	1.94	0.81
1:A:584:ALA:C	1:A:585:TRP:HE3	1.87	0.81
1:A:624:VAL:C	1:A:626:GLY:H	1.88	0.81
1:A:628:ARG:O	1:A:629:ASP:HB2	1.79	0.81
1:A:653:GLU:HG3	1:A:656:TYR:CE1	2.15	0.81
1:A:866:ARG:HB3	1:A:867:PRO:HD3	1.59	0.81
1:A:900:ALA:HA	1:A:915:ALA:CB	2.11	0.81
2:B:133:HIS:CD2	2:C:231:ILE:HG21	2.14	0.81
2:B:344:ARG:H	2:B:344:ARG:HD2	1.43	0.81
2:C:126:PHE:C	2:C:128:VAL:H	1.80	0.81
2:C:384:ALA:HB2	2:C:437:ILE:HD12	1.60	0.81
1:D:572:TRP:HZ2	2:F:470:LYS:HB3	1.45	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:718:ALA:O	1:D:722:ARG:HD2	1.80	0.81
1:D:798:ILE:HG23	1:D:869:ARG:NH1	1.95	0.81
2:F:208:LEU:HD22	2:F:242:PHE:CE2	2.15	0.81
1:A:462:SER:C	1:A:466:LEU:HD23	2.06	0.81
1:A:1066:THR:OG1	1:A:1073:PRO:HD2	1.81	0.81
2:B:74:GLN:O	2:B:77:HIS:HA	1.80	0.81
1:D:265:LEU:HD21	1:D:267:VAL:HG13	1.61	0.81
1:D:493:GLN:O	1:D:494:GLU:HG2	1.81	0.81
1:D:931:LEU:HB3	1:D:934:LYS:HZ2	1.44	0.81
1:A:249:VAL:CG1	1:A:817:PRO:HG3	2.11	0.81
1:A:869:ARG:HG3	1:A:869:ARG:HH11	1.46	0.81
1:A:1060:LYS:HD3	1:A:1073:PRO:HB3	1.62	0.81
2:C:301:GLU:HB3	2:C:339:ASN:CG	2.06	0.81
1:D:275:ARG:HE	1:D:842:PRO:CA	1.91	0.81
1:D:439:GLN:HG2	1:D:835:GLY:CA	2.11	0.81
1:D:903:GLY:HA3	1:D:1002:GLU:HB2	1.63	0.81
1:D:1218:LEU:CB	1:D:1223:ILE:HG22	2.09	0.81
2:F:78:PHE:CD1	2:F:103:GLY:HA2	2.15	0.81
2:F:346:MET:CE	2:F:347:LEU:HD12	2.08	0.81
1:A:81:ARG:CZ	1:A:126:ARG:HA	2.09	0.81
1:A:1037:GLN:C	1:A:1039:LYS:H	1.84	0.81
2:B:323:HIS:HB2	2:B:331:VAL:O	1.80	0.81
2:C:374:LEU:HD12	2:C:379:ALA:HA	1.61	0.81
1:D:120:LEU:H	1:D:120:LEU:HD22	1.45	0.81
1:D:962:ALA:HB3	1:D:982:ALA:HB1	1.63	0.81
2:F:300:ILE:HG22	2:F:301:GLU:N	1.96	0.81
2:F:394:GLU:CD	2:F:394:GLU:N	2.39	0.81
2:F:447:THR:HG23	2:F:448:LEU:HG	1.63	0.81
1:A:424:LEU:N	1:A:424:LEU:HD23	1.96	0.81
1:A:604:ALA:HB1	1:A:717:LEU:HD11	1.63	0.81
1:A:1158:LEU:CD2	1:A:1178:ALA:O	2.29	0.81
2:C:134:LYS:HB3	2:C:180:LYS:CD	2.09	0.81
2:C:467:HIS:O	2:C:471:LEU:HD13	1.78	0.81
1:D:135:LEU:H	1:D:135:LEU:CD2	1.94	0.81
1:D:1208:ARG:CZ	2:F:285:LYS:HD3	2.11	0.81
2:E:79:LEU:HA	2:E:100:GLY:N	1.95	0.81
2:F:363:ARG:HB3	2:F:363:ARG:NH1	1.96	0.81
2:F:467:HIS:O	2:F:471:LEU:HD13	1.80	0.81
1:A:370:PRO:O	1:A:371:LYS:HG2	1.79	0.81
2:B:267:ALA:CB	2:B:270:PRO:HB2	2.10	0.81
2:C:78:PHE:HE1	2:C:103:GLY:HA2	1.46	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:130:ALA:HB1	2:C:182:ARG:HH12	1.46	0.81
1:D:78:MET:O	1:D:79:LEU:HD12	1.79	0.81
1:D:170:ALA:HB1	1:D:171:TRP:O	1.81	0.81
1:D:177:ARG:HG3	1:D:178:TYR:N	1.96	0.81
1:D:456:GLN:C	1:D:460:LYS:HZ3	1.88	0.81
1:D:556:THR:HA	1:D:559:LEU:CD2	2.10	0.81
1:D:575:LYS:HE3	1:D:581:ASP:O	1.81	0.81
1:D:667:GLN:O	1:D:671:GLN:HG2	1.80	0.81
1:A:163:PRO:CB	1:A:164:PRO:HD3	2.11	0.81
1:A:363:ARG:NH2	1:A:409:GLN:HB2	1.93	0.81
1:A:871:GLY:O	1:A:873:GLU:N	2.07	0.81
1:A:925:LYS:CG	1:A:926:SER:N	2.41	0.81
2:C:275:SER:HB2	2:C:287:ASN:ND2	1.95	0.81
2:C:402:LEU:HG	2:C:472:LYS:HZ1	1.44	0.81
1:D:116:PRO:HA	1:D:921:LEU:HD13	1.62	0.81
1:D:194:ALA:HA	1:D:265:LEU:CB	2.10	0.81
1:D:715:GLN:HG2	1:D:717:LEU:HG	1.62	0.81
1:D:1029:GLN:HG3	1:D:1030:ARG:HE	1.46	0.81
1:D:1190:ARG:HD3	1:D:1195:MET:HE3	1.63	0.81
2:E:77:HIS:HB3	2:E:101:PRO:HD2	1.61	0.81
2:E:431:LYS:C	2:E:433:ASP:N	2.38	0.81
2:F:247:THR:CB	2:F:251:TRP:HD1	1.93	0.81
2:F:302:THR:C	2:F:303:LEU:HD12	2.06	0.81
2:F:449:GLU:O	2:F:450:ASN:C	2.24	0.81
1:A:988:ALA:O	1:A:998:SER:OG	1.97	0.80
2:C:314:MET:HE3	2:C:315:TYR:HE2	1.44	0.80
1:D:190:PRO:HB3	1:D:217:PRO:HB2	1.63	0.80
1:D:269:HIS:CE1	1:D:291:PHE:HA	2.16	0.80
1:D:435:LEU:O	1:D:839:ALA:HB1	1.81	0.80
1:D:719:LEU:HD12	1:D:720:THR:N	1.95	0.80
1:D:797:MET:CB	1:D:869:ARG:CD	2.59	0.80
1:D:1165:ALA:C	1:D:1166:TYR:HD1	1.89	0.80
2:F:201:ASN:C	2:F:203:ARG:H	1.89	0.80
2:F:299:LEU:HD23	2:F:299:LEU:H	1.45	0.80
1:A:312:TRP:HZ2	1:A:346:ASP:O	1.63	0.80
1:A:711:ALA:O	1:A:713:PRO:HD3	1.79	0.80
1:A:931:LEU:HD23	1:A:932:HIS:N	1.96	0.80
2:B:448:LEU:HD23	2:B:448:LEU:O	1.81	0.80
1:D:737:GLY:N	1:D:750:PHE:CZ	2.48	0.80
1:D:842:PRO:HB2	1:D:856:GLU:CD	2.05	0.80
1:D:916:PHE:O	1:D:920:THR:N	2.14	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:147:SER:O	1:A:151:LEU:HG	1.80	0.80
1:A:848:GLY:O	1:A:852:ARG:HA	1.81	0.80
1:D:107:LEU:CD2	1:D:913:CYS:HA	2.12	0.80
1:D:134:ASN:HB3	1:D:137:GLN:HB2	1.62	0.80
1:D:256:PRO:HG2	1:D:284:ILE:HD11	1.62	0.80
1:D:288:ARG:HH11	1:D:288:ARG:HG3	1.46	0.80
1:D:389:PHE:HD1	1:D:390:GLN:N	1.77	0.80
1:D:717:LEU:N	1:D:717:LEU:HD23	1.95	0.80
1:D:767:ALA:HB2	1:D:771:LEU:HD22	1.60	0.80
2:F:430:SER:O	2:F:434:GLU:HG3	1.81	0.80
1:A:552:LEU:HD22	2:C:448:LEU:HD23	1.62	0.80
1:A:913:CYS:C	1:A:918:TRP:H	1.89	0.80
2:C:310:GLU:O	2:C:313:HIS:HB3	1.81	0.80
1:D:173:GLU:O	1:D:220:TRP:HB3	1.81	0.80
1:D:203:LEU:HD23	1:D:203:LEU:C	2.07	0.80
1:D:597:ARG:NH1	1:D:724:GLY:O	2.14	0.80
1:D:612:LEU:CD1	1:D:612:LEU:N	2.44	0.80
1:D:993:ARG:C	1:D:996:ARG:HD2	2.05	0.80
2:E:371:VAL:HA	2:E:433:ASP:CG	2.05	0.80
2:E:382:LYS:CE	2:E:412:SER:O	2.25	0.80
1:A:166:PRO:HG2	1:A:398:GLN:HE22	1.46	0.80
1:A:606:THR:CG2	1:A:613:HIS:H	1.95	0.80
1:A:607:TRP:CZ2	1:A:671:GLN:HA	2.16	0.80
1:A:793:GLU:CA	1:A:796:LYS:HD3	2.11	0.80
2:B:262:TRP:O	2:B:265:LYS:CB	2.29	0.80
2:B:385:LEU:HB3	2:B:441:VAL:HG23	1.63	0.80
1:D:298:HIS:CD2	1:D:407:PHE:HB2	2.17	0.80
1:D:608:ASP:OD1	1:D:611:PRO:CD	2.30	0.80
1:D:608:ASP:HA	1:D:620:TRP:CH2	2.16	0.80
1:D:917:GLY:O	1:D:920:THR:HB	1.81	0.80
1:D:992:LEU:CD1	1:D:993:ARG:H	1.93	0.80
1:D:1138:ARG:HH11	1:D:1138:ARG:CG	1.94	0.80
2:F:314:MET:HE3	2:F:315:TYR:CE2	2.13	0.80
1:A:577:CYS:HB3	1:A:578:PRO:CD	2.10	0.80
1:A:1030:ARG:HG2	1:A:1040:LYS:NZ	1.97	0.80
2:B:117:SER:CB	2:B:262:TRP:NE1	2.44	0.80
2:C:203:ARG:O	2:C:204:LEU:CB	2.29	0.80
2:C:397:GLN:HG2	2:C:398:VAL:HG13	1.62	0.80
2:C:454:HIS:CB	2:C:466:MET:O	2.30	0.80
1:D:81:ARG:HG3	1:D:82:GLY:N	1.97	0.80
1:D:194:ALA:HB1	1:D:265:LEU:HD13	1.63	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:252:GLY:O	1:D:256:PRO:HG3	1.82	0.80
1:D:282:TYR:CE2	1:D:432:VAL:HA	2.16	0.80
1:D:887:VAL:O	1:D:1139:TYR:N	2.15	0.80
1:D:1202:ASN:O	1:D:1206:MET:N	2.15	0.80
2:E:247:THR:CG2	2:E:250:GLN:HE21	1.95	0.80
2:E:283:GLY:CA	2:E:306:LEU:HA	2.11	0.80
2:E:320:SER:O	2:E:323:HIS:CD2	2.35	0.80
1:A:76:ILE:HB	1:A:911:HIS:CE1	2.16	0.80
1:A:114:GLY:N	1:A:116:PRO:HD2	1.97	0.80
1:A:176:THR:HG23	1:A:177:ARG:N	1.97	0.80
1:A:1196:ASP:HA	1:A:1207:GLU:OE1	1.81	0.80
2:B:99:PHE:CD2	2:C:129:ASP:CG	2.60	0.80
2:B:402:LEU:O	2:B:406:LEU:HD23	1.80	0.80
2:C:372:LEU:HD21	2:C:435:MET:C	2.07	0.80
1:D:424:LEU:O	1:D:428:LEU:CD1	2.29	0.80
1:D:621:GLY:HA2	1:D:748:TRP:HB2	1.62	0.80
2:E:384:ALA:O	2:E:414:TRP:CB	2.30	0.80
2:F:244:PRO:CD	2:F:247:THR:HG21	2.10	0.80
2:F:317:GLY:HA3	2:F:320:SER:N	1.96	0.80
1:A:897:TRP:HZ3	1:A:1108:TYR:HE1	1.29	0.80
1:A:1019:TRP:CZ2	1:A:1163:MET:HE2	2.17	0.80
2:C:357:THR:HA	2:C:370:LYS:NZ	1.96	0.80
1:D:302:SER:CB	1:D:351:SER:HB3	2.11	0.80
1:D:461:LYS:CA	1:D:464:MET:HE3	2.11	0.80
1:D:823:ARG:HA	1:D:826:ILE:CD1	2.11	0.80
1:D:926:SER:CB	1:D:930:ASP:HB2	2.12	0.80
1:D:1010:LEU:HD13	1:D:1100:VAL:HG21	1.62	0.80
1:D:1124:ALA:HB1	1:D:1148:ARG:HH11	1.46	0.80
2:E:199:LEU:HG	2:E:200:VAL:HG23	1.64	0.80
1:A:211:LEU:HG	1:A:221:TYR:CG	2.16	0.80
1:A:213:VAL:CA	1:A:221:TYR:HE2	1.93	0.80
1:A:606:THR:HG21	1:A:612:LEU:CB	2.10	0.80
1:A:863:SER:O	1:A:873:GLU:HG3	1.81	0.80
1:A:1006:ARG:HA	1:A:1006:ARG:CZ	2.12	0.80
2:B:72:ILE:HG13	2:B:73:CYS:N	1.97	0.80
2:C:432:TYR:CG	2:C:437:ILE:HD11	2.17	0.80
1:D:267:VAL:CB	1:D:269:HIS:CD2	2.64	0.80
1:D:271:VAL:HG12	1:D:272:SER:H	1.46	0.80
1:D:1010:LEU:HD23	1:D:1015:THR:HA	1.64	0.80
1:D:1065:ALA:O	1:D:1073:PRO:HG3	1.81	0.80
2:E:351:TYR:C	2:E:353:SER:H	1.89	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:380:PRO:N	2:E:438:LEU:HD11	1.97	0.80
2:F:357:THR:HA	2:F:370:LYS:NZ	1.96	0.80
1:A:365:TYR:O	1:A:366:VAL:HG22	1.82	0.80
1:A:725:PRO:O	1:A:726:LYS:HB2	1.81	0.80
2:C:474:PHE:HA	2:C:477:LYS:CD	2.12	0.80
1:D:256:PRO:HB3	1:D:281:GLN:HG3	1.64	0.80
1:D:259:ARG:HG3	1:D:261:TRP:HD1	1.46	0.80
1:D:548:CYS:C	1:D:551:LYS:CD	2.54	0.80
1:D:636:THR:O	1:D:640:LEU:HG	1.82	0.80
1:D:1026:ARG:HD3	1:D:1026:ARG:N	1.97	0.80
1:D:1165:ALA:HB3	1:D:1166:TYR:CE1	2.16	0.80
2:F:241:TRP:HZ3	2:F:255:TRP:NE1	1.79	0.80
2:F:244:PRO:HD2	2:F:247:THR:CG2	2.12	0.80
1:A:821:LEU:O	1:A:826:ILE:HG23	1.80	0.79
1:A:893:SER:HA	1:A:896:LEU:HD23	1.64	0.79
1:A:898:ILE:HD11	1:A:1101:VAL:HG13	1.64	0.79
2:C:446:THR:HA	2:C:450:ASN:HB3	1.62	0.79
1:D:201:VAL:HG22	1:D:208:CYS:O	1.81	0.79
1:D:606:THR:HG23	1:D:607:TRP:N	1.96	0.79
2:E:293:PHE:O	2:E:296:GLY:N	2.14	0.79
1:A:486:TRP:CZ3	1:A:598:VAL:HG21	2.16	0.79
1:A:656:TYR:CD1	1:A:744:ILE:HD12	2.17	0.79
1:A:1041:TRP:O	1:A:1042:GLU:HB2	1.81	0.79
2:C:78:PHE:CD1	2:C:103:GLY:HA2	2.17	0.79
2:C:126:PHE:C	2:C:128:VAL:N	2.31	0.79
2:C:300:ILE:HG23	2:C:342:LEU:CD1	2.10	0.79
2:C:300:ILE:HG22	2:C:301:GLU:HG3	1.61	0.79
2:C:403:PHE:HE1	2:C:415:PRO:HG3	1.47	0.79
1:D:78:MET:HB3	1:D:1175:GLN:HB3	1.64	0.79
1:D:584:ALA:C	1:D:585:TRP:HE3	1.90	0.79
1:D:914:THR:HG21	1:D:999:ASP:HB3	1.63	0.79
1:A:81:ARG:HD3	1:A:125:LEU:O	1.82	0.79
1:A:295:MET:HE2	1:A:353:VAL:HG23	1.63	0.79
1:A:670:PRO:HG2	1:A:671:GLN:NE2	1.96	0.79
2:B:385:LEU:HD23	2:B:414:TRP:O	1.82	0.79
2:B:450:ASN:HD22	2:B:452:LEU:HD23	1.47	0.79
2:C:300:ILE:CG2	2:C:342:LEU:HD11	2.11	0.79
2:C:344:ARG:CA	2:C:347:LEU:HD22	2.11	0.79
1:D:271:VAL:CG1	1:D:272:SER:H	1.87	0.79
1:D:649:TYR:CD2	1:D:652:ILE:HG21	2.16	0.79
1:D:741:ASP:CB	1:D:748:TRP:HH2	1.94	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1027:LYS:HB3	1:D:1091:GLU:CA	2.11	0.79
1:D:1180:PHE:O	1:D:1182:ALA:N	2.15	0.79
1:D:1213:PRO:O	1:D:1214:GLN:HB2	1.82	0.79
1:A:78:MET:HG2	1:A:79:LEU:N	1.97	0.79
1:A:196:VAL:CB	1:A:401:TRP:HZ3	1.95	0.79
1:A:513:LEU:HB2	1:A:568:GLY:HA2	0.85	0.79
1:A:608:ASP:C	1:A:620:TRP:HH2	1.90	0.79
1:A:843:GLN:O	1:A:843:GLN:HG2	1.80	0.79
2:B:268:MET:N	2:B:270:PRO:HD2	1.97	0.79
2:C:303:LEU:HA	2:C:337:SER:CB	2.11	0.79
1:D:206:GLY:HA2	1:D:245:ILE:CG2	2.12	0.79
1:D:797:MET:HB2	1:D:869:ARG:HD3	1.64	0.79
2:E:376:PRO:O	2:E:380:PRO:CD	2.26	0.79
2:F:417:TYR:N	2:F:417:TYR:CD2	2.43	0.79
1:A:374:ARG:HE	1:A:392:LEU:CD1	1.94	0.79
1:A:1126:ASP:HB3	1:A:1141:VAL:HG13	1.64	0.79
1:A:1166:TYR:N	1:A:1166:TYR:HD1	1.79	0.79
1:D:1133:ILE:O	1:D:1135:ASP:N	2.16	0.79
2:F:351:TYR:O	2:F:352:ASP:C	2.24	0.79
1:A:95:PRO:O	1:A:100:VAL:HG23	1.82	0.79
1:A:150:TYR:OH	1:A:288:ARG:O	2.01	0.79
1:A:176:THR:CG2	1:A:177:ARG:H	1.87	0.79
1:A:273:PHE:O	1:A:276:ALA:HB3	1.83	0.79
1:A:605:LEU:CA	1:A:781:ALA:HB3	2.13	0.79
1:A:944:GLU:HA	1:A:947:LYS:HE3	1.64	0.79
1:A:1047:ARG:HH11	1:A:1047:ARG:CA	1.96	0.79
1:D:1141:VAL:N	1:D:1146:ARG:HH21	1.80	0.79
2:E:372:LEU:HG	2:E:373:LYS:H	1.46	0.79
2:F:328:ARG:O	2:F:329:LYS:HD2	1.82	0.79
2:F:442:LEU:N	2:F:455:LEU:HD22	1.97	0.79
2:F:454:HIS:CB	2:F:466:MET:O	2.29	0.79
1:A:448:ALA:HB1	1:A:870:VAL:HG12	1.61	0.79
1:A:451:THR:C	1:A:869:ARG:NH2	2.40	0.79
1:A:468:ASN:ND2	1:A:578:PRO:CG	2.45	0.79
1:A:999:ASP:O	1:A:1000:GLU:HG3	1.83	0.79
2:B:412:SER:O	2:B:413:VAL:HG22	1.82	0.79
2:C:114:TRP:HE1	2:C:259:ARG:CZ	1.95	0.79
1:D:87:ILE:HG21	1:D:1166:TYR:OH	1.82	0.79
1:D:1190:ARG:HH11	1:D:1195:MET:HE3	1.47	0.79
1:D:1202:ASN:O	1:D:1203:PRO:C	2.25	0.79
1:D:1209:ARG:HH22	2:F:256:LEU:HD22	1.48	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:118:VAL:N	1:A:119:PRO:CD	2.46	0.79
1:A:1041:TRP:CD1	1:A:1043:VAL:HB	2.18	0.79
1:A:1131:ILE:CG1	1:A:1133:ILE:HG22	2.13	0.79
2:B:306:LEU:C	2:B:308:ASP:N	2.37	0.79
2:C:241:TRP:CZ3	2:C:255:TRP:NE1	2.51	0.79
2:C:251:TRP:HA	2:C:251:TRP:CE3	2.17	0.79
1:D:177:ARG:CG	1:D:178:TYR:N	2.45	0.79
1:D:284:ILE:HD12	1:D:284:ILE:N	1.98	0.79
1:D:308:GLN:CD	1:D:1027:LYS:HZ1	1.91	0.79
1:D:645:VAL:HG13	1:D:650:ARG:HG2	1.64	0.79
1:D:649:TYR:HA	1:D:652:ILE:CB	2.09	0.79
1:D:768:LYS:CD	1:D:769:ASP:H	1.94	0.79
1:D:1207:GLU:HA	1:D:1210:TYR:CB	2.12	0.79
2:E:284:ARG:O	2:E:285:LYS:HB3	1.83	0.79
2:F:453:ILE:HG22	2:F:455:LEU:N	1.98	0.79
1:A:608:ASP:HA	1:A:779:LEU:CB	2.12	0.79
1:A:1060:LYS:HE3	1:A:1065:ALA:N	1.96	0.79
1:A:1155:ILE:HA	1:A:1158:LEU:HD12	1.64	0.79
2:B:437:ILE:HG22	2:B:438:LEU:H	1.46	0.79
2:C:115:TRP:CH2	2:C:210:GLN:HG2	2.18	0.79
1:D:135:LEU:HD23	1:D:135:LEU:N	1.98	0.79
1:D:845:VAL:HG12	1:D:846:THR:O	1.83	0.79
1:D:1027:LYS:HB2	1:D:1096:ARG:HE	1.48	0.79
2:E:384:ALA:O	2:E:414:TRP:HB3	1.82	0.79
2:E:422:GLN:C	2:E:424:SER:H	1.89	0.79
2:E:448:LEU:HD23	2:E:449:GLU:N	1.97	0.79
1:A:253:ALA:HB3	1:A:256:PRO:CB	2.13	0.79
1:A:455:LEU:HD12	1:A:798:ILE:HG22	1.65	0.79
1:A:773:LYS:HZ2	1:A:1057:MET:HE1	1.45	0.79
1:A:1110:HIS:O	1:A:1114:VAL:HG23	1.82	0.79
2:C:203:ARG:O	2:C:204:LEU:HB2	1.83	0.79
2:C:387:VAL:HG11	2:C:399:CYS:CB	2.11	0.79
1:D:195:LEU:N	1:D:265:LEU:HD22	1.98	0.79
1:D:270:ASN:CG	1:D:294:THR:HG21	2.08	0.79
1:D:618:HIS:HA	1:D:762:VAL:CG2	2.13	0.79
1:D:656:TYR:CD1	1:D:744:ILE:HD12	2.18	0.79
1:D:1026:ARG:NE	1:D:1029:GLN:OE1	2.16	0.79
2:E:123:GLU:HG2	2:F:415:PRO:HG2	1.64	0.79
2:F:241:TRP:HB3	2:F:336:LEU:HB2	1.65	0.79
2:F:303:LEU:CA	2:F:337:SER:OG	2.31	0.79
1:A:1016:GLU:HA	1:A:1021:SER:O	1.83	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:605:LEU:HD22	1:D:781:ALA:HB2	1.63	0.78
1:D:612:LEU:HD13	1:D:612:LEU:N	1.98	0.78
1:D:996:ARG:CD	1:D:996:ARG:N	2.46	0.78
1:D:1189:LEU:HD22	1:D:1189:LEU:N	1.97	0.78
2:E:369:ARG:HA	2:E:430:SER:HB3	1.63	0.78
2:F:389:ARG:HG3	2:F:445:GLU:OE2	1.83	0.78
1:A:348:LEU:O	1:A:349:ASP:C	2.26	0.78
1:A:411:LEU:O	1:A:415:LEU:HD22	1.83	0.78
1:A:477:GLU:HG2	1:A:482:ASP:OD2	1.83	0.78
1:A:653:GLU:HA	1:A:656:TYR:CE1	2.18	0.78
1:D:212:ALA:O	1:D:213:VAL:CB	2.31	0.78
1:D:412:PRO:O	1:D:416:GLU:HG3	1.84	0.78
1:D:586:THR:N	1:D:587:PRO:CD	2.45	0.78
1:D:995:TYR:O	1:D:995:TYR:CD2	2.35	0.78
2:F:245:PRO:HG2	2:F:246:ARG:HD3	1.64	0.78
1:A:276:ALA:HA	1:A:279:ARG:CD	2.14	0.78
1:A:581:ASP:C	1:A:583:PRO:HD2	2.08	0.78
1:A:1206:MET:N	1:A:1209:ARG:HB2	1.98	0.78
2:C:354:PHE:HE1	2:C:370:LYS:HB3	1.48	0.78
1:D:559:LEU:CG	1:D:560:PRO:HD2	2.13	0.78
1:D:775:GLU:CA	1:D:780:GLN:HG2	2.13	0.78
1:D:851:THR:CG2	1:D:1102:GLN:HB3	2.13	0.78
2:E:109:ASN:HB2	2:E:378:LEU:HA	1.65	0.78
2:E:188:GLY:O	2:E:191:GLU:HG2	1.82	0.78
1:A:316:LYS:HZ3	1:A:350:ILE:HG13	1.48	0.78
1:A:497:GLN:HA	1:A:516:GLU:HB3	1.63	0.78
1:A:669:MET:C	1:A:673:ALA:HB2	2.09	0.78
1:A:996:ARG:NH1	1:A:1004:LEU:N	2.31	0.78
1:A:1006:ARG:HH12	1:A:1009:ASN:HB2	1.48	0.78
1:A:1157:ASN:HB3	1:A:1161:ARG:CZ	2.12	0.78
2:B:110:LEU:CD2	2:B:342:LEU:HD21	2.14	0.78
2:C:317:GLY:HA3	2:C:320:SER:N	1.98	0.78
2:C:439:PHE:HD1	2:C:458:ARG:HB2	1.47	0.78
1:D:101:ARG:HH11	1:D:101:ARG:CG	1.97	0.78
1:D:269:HIS:CD2	1:D:291:PHE:CD2	2.71	0.78
1:D:273:PHE:H	1:D:275:ARG:HB3	1.48	0.78
1:D:613:HIS:CE1	1:D:717:LEU:HD13	2.18	0.78
2:E:67:GLU:HG2	2:E:70:LEU:HD11	1.64	0.78
2:E:68:ALA:O	2:E:72:ILE:HD13	1.82	0.78
2:E:389:ARG:NH2	2:E:391:PRO:O	2.16	0.78
2:E:456:ARG:HA	2:E:462:MET:O	1.82	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:879:GLN:HG2	1:A:1189:LEU:HG	1.63	0.78
1:A:904:ASP:C	1:A:910:MET:HA	2.08	0.78
1:A:1026:ARG:O	1:A:1030:ARG:HB2	1.83	0.78
1:D:282:TYR:CD2	1:D:432:VAL:HG13	2.18	0.78
1:D:295:MET:HE2	1:D:354:ASN:HA	1.64	0.78
1:D:549:LEU:HA	1:D:552:LEU:HD12	1.66	0.78
1:D:616:GLU:HG3	1:D:724:GLY:O	1.82	0.78
1:D:1056:GLU:HA	1:D:1059:ASN:HD21	1.47	0.78
2:E:193:TYR:CE2	2:E:322:LEU:HD22	2.19	0.78
2:E:199:LEU:HB2	2:F:77:HIS:NE2	1.98	0.78
1:A:249:VAL:HG21	1:A:817:PRO:CG	2.13	0.78
1:A:472:GLN:HG3	2:C:460:THR:HB	1.65	0.78
1:A:1226:LEU:H	1:A:1226:LEU:HD22	1.47	0.78
2:C:375:HIS:O	2:C:378:LEU:HB2	1.84	0.78
1:D:223:TRP:CD1	1:D:223:TRP:H	1.98	0.78
1:D:293:ASP:CG	1:D:296:SER:HB2	2.08	0.78
1:D:879:GLN:OE1	1:D:1189:LEU:CD2	2.30	0.78
1:D:927:ARG:CG	1:D:928:GLY:H	1.92	0.78
2:F:78:PHE:HE1	2:F:103:GLY:HA2	1.49	0.78
2:F:354:PHE:HB2	2:F:372:LEU:HA	1.65	0.78
1:A:166:PRO:HG3	1:A:398:GLN:CD	2.08	0.78
1:A:392:LEU:HG	1:A:395:TYR:CD1	2.18	0.78
1:A:601:LYS:HG2	1:A:721:ALA:CB	2.13	0.78
1:A:622:TYR:O	1:A:746:GLY:HA3	1.83	0.78
1:A:665:LYS:HG2	1:A:666:GLN:N	1.96	0.78
1:A:1231:LEU:HD11	1:A:1236:GLN:NE2	1.98	0.78
2:B:306:LEU:C	2:B:308:ASP:H	1.91	0.78
2:C:376:PRO:CG	2:C:482:ALA:HB1	2.13	0.78
2:C:424:SER:CB	2:C:427:GLN:HE22	1.93	0.78
2:C:472:LYS:HA	2:C:475:LEU:HD11	1.66	0.78
1:D:459:MET:HE2	1:D:594:LEU:HD11	1.66	0.78
1:D:659:HIS:ND1	1:D:719:LEU:HD22	1.99	0.78
2:E:115:TRP:O	2:E:116:THR:HG23	1.83	0.78
1:A:439:GLN:CG	1:A:836:LEU:H	1.96	0.78
1:A:600:PRO:C	1:A:602:LEU:O	2.27	0.78
1:A:795:ASN:ND2	1:A:796:LYS:N	2.30	0.78
1:A:875:LYS:C	1:A:878:VAL:HG23	2.09	0.78
1:A:933:SER:HB2	1:A:943:ARG:HD3	1.66	0.78
1:A:996:ARG:HH12	1:A:1003:TRP:CA	1.97	0.78
1:A:1131:ILE:CD1	1:A:1138:ARG:H	1.95	0.78
2:C:206:TYR:HD2	2:C:206:TYR:N	1.79	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:303:LEU:CD1	2:C:339:ASN:OD1	2.31	0.78
2:C:375:HIS:H	2:C:378:LEU:CD2	1.94	0.78
2:C:394:GLU:H	2:C:394:GLU:CD	1.91	0.78
1:D:645:VAL:O	1:D:645:VAL:CG1	2.31	0.78
1:D:717:LEU:HD23	1:D:717:LEU:H	1.46	0.78
2:E:102:LEU:HD13	2:E:102:LEU:C	2.09	0.78
2:E:389:ARG:NE	2:E:390:GLY:N	2.29	0.78
2:E:432:TYR:O	2:E:437:ILE:HD13	1.84	0.78
2:F:310:GLU:O	2:F:313:HIS:HB3	1.83	0.78
1:A:271:VAL:HG12	1:A:272:SER:N	1.96	0.78
1:A:273:PHE:C	1:A:276:ALA:H	1.92	0.78
1:A:371:LYS:NZ	1:A:400:VAL:HG23	1.99	0.78
1:A:408:GLN:CA	1:A:411:LEU:HG	2.12	0.78
1:A:559:LEU:HB3	1:A:560:PRO:HD2	1.65	0.78
1:A:779:LEU:O	1:A:780:GLN:HG2	1.84	0.78
1:A:1131:ILE:CG2	1:A:1137:VAL:HA	2.14	0.78
2:C:395:LEU:HD21	2:C:443:VAL:CB	2.12	0.78
1:D:194:ALA:HA	1:D:265:LEU:HB2	1.64	0.78
1:D:369:LEU:HB3	1:D:372:GLU:CG	2.14	0.78
1:D:613:HIS:CG	1:D:717:LEU:HD22	2.18	0.78
2:F:304:TRP:H	2:F:337:SER:CB	1.81	0.78
2:F:375:HIS:O	2:F:378:LEU:HB2	1.84	0.78
2:F:385:LEU:HD11	2:F:402:LEU:HB2	1.66	0.78
2:F:435:MET:O	2:F:436:SER:CB	2.31	0.78
1:A:482:ASP:HB2	1:A:483:PRO:CD	2.13	0.78
1:A:804:ALA:O	1:A:808:ILE:HG13	1.84	0.78
1:A:845:VAL:CB	1:A:855:VAL:HB	2.12	0.78
1:A:893:SER:HB2	1:A:896:LEU:CG	2.13	0.78
1:A:924:ARG:O	1:A:925:LYS:HG2	1.83	0.78
1:D:76:ILE:HA	1:D:911:HIS:NE2	1.97	0.78
1:D:660:CYS:HB2	1:D:745:PRO:HG3	1.65	0.78
1:D:887:VAL:H	1:D:1146:ARG:HH22	1.31	0.78
1:D:1128:ARG:HG3	1:D:1129:PHE:N	1.95	0.78
1:D:1132:SER:HA	1:D:1136:GLU:O	1.83	0.78
1:D:1141:VAL:HG12	1:D:1142:ARG:O	1.84	0.78
2:E:93:SER:C	2:E:95:CYS:H	1.90	0.78
2:F:82:SER:HA	2:F:86:LEU:CD2	2.10	0.78
2:F:239:LEU:N	2:F:338:VAL:HG11	1.98	0.78
2:F:431:LYS:NZ	2:F:435:MET:HG2	1.98	0.78
1:A:241:PRO:HA	1:A:244:LEU:CB	2.14	0.77
1:A:1041:TRP:CD1	1:A:1041:TRP:O	2.37	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1208:ARG:NH2	2:C:277:ASP:CG	2.42	0.77
1:D:779:LEU:HD22	1:D:779:LEU:C	2.09	0.77
1:D:900:ALA:CA	1:D:915:ALA:HB1	2.13	0.77
1:D:922:GLN:HG2	1:D:931:LEU:CD1	2.13	0.77
2:F:182:ARG:NH2	2:F:213:VAL:O	2.15	0.77
1:A:83:LEU:HD13	1:A:89:GLY:CA	2.15	0.77
1:A:238:GLN:HB2	1:A:239:LEU:HG	1.65	0.77
1:A:758:ASN:CB	1:A:1058:PHE:HZ	1.95	0.77
1:A:1166:TYR:HD1	1:A:1166:TYR:H	1.31	0.77
1:D:206:GLY:HA2	1:D:245:ILE:HG22	1.65	0.77
1:D:371:LYS:NZ	1:D:396:CYS:HB2	1.99	0.77
1:D:414:PHE:HA	1:D:417:ARG:NH1	1.98	0.77
1:D:824:ALA:HA	1:D:827:ARG:CB	2.13	0.77
1:D:883:GLY:O	1:D:1143:GLU:HB2	1.84	0.77
2:E:94:GLY:HA2	2:E:96:HIS:CE1	2.20	0.77
2:E:418:LEU:CD1	2:F:122:ARG:HE	1.97	0.77
1:A:196:VAL:HB	1:A:401:TRP:CZ3	2.18	0.77
1:A:213:VAL:HG13	1:A:397:ALA:HB1	1.67	0.77
1:A:813:VAL:CG2	1:A:814:VAL:N	2.47	0.77
2:B:231:ILE:CG1	2:C:135:PRO:HG3	2.14	0.77
1:D:578:PRO:O	1:D:580:LEU:N	2.18	0.77
1:D:903:GLY:CA	1:D:1002:GLU:HB2	2.13	0.77
1:D:1001:GLY:HA2	1:D:1004:LEU:CD2	2.04	0.77
1:D:1134:HIS:O	1:D:1135:ASP:HB2	1.83	0.77
2:F:134:LYS:HB3	2:F:180:LYS:CD	2.13	0.77
2:B:323:HIS:HB2	2:B:332:VAL:CA	2.14	0.77
2:C:367:LEU:O	2:C:369:ARG:HD2	1.83	0.77
2:C:439:PHE:HD1	2:C:458:ARG:CB	1.98	0.77
1:D:80:SER:O	1:D:82:GLY:N	2.17	0.77
1:D:177:ARG:CG	1:D:178:TYR:H	1.97	0.77
1:D:247:LEU:O	1:D:248:GLU:HB2	1.85	0.77
1:D:348:LEU:O	1:D:348:LEU:HD13	1.84	0.77
1:D:775:GLU:HG2	1:D:780:GLN:CG	2.12	0.77
1:D:1072:THR:N	1:D:1073:PRO:HD2	2.00	0.77
2:E:254:PHE:O	2:E:258:HIS:N	2.17	0.77
2:F:114:TRP:HE1	2:F:259:ARG:NH1	1.82	0.77
2:F:233:GLU:O	2:F:234:LYS:HG2	1.85	0.77
2:F:243:THR:O	2:F:334:CYS:N	2.16	0.77
2:F:471:LEU:HA	2:F:474:PHE:CD2	2.19	0.77
1:A:175:TRP:CB	1:A:186:PRO:HD3	2.15	0.77
1:A:869:ARG:HA	1:A:1201:SER:N	1.98	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:200:VAL:HG21	2:C:204:LEU:CD2	2.14	0.77
1:D:214:ALA:N	1:D:401:TRP:HZ2	1.82	0.77
1:D:438:ASN:H	1:D:441:TRP:CD1	2.02	0.77
1:D:866:ARG:CG	1:D:1069:ILE:HG21	2.08	0.77
1:D:916:PHE:O	1:D:920:THR:CA	2.32	0.77
2:F:81:GLY:HA3	2:F:97:PRO:HD2	1.65	0.77
2:F:356:LEU:O	2:F:370:LYS:HE2	1.84	0.77
1:A:308:GLN:NE2	1:A:1091:GLU:N	2.33	0.77
1:A:460:LYS:N	1:A:460:LYS:HD2	1.98	0.77
1:A:550:GLN:O	1:A:554:GLY:N	2.17	0.77
1:A:608:ASP:O	1:A:620:TRP:HH2	1.67	0.77
1:A:652:ILE:C	1:A:655:LEU:HG	2.09	0.77
1:A:728:THR:HG22	1:A:729:GLN:N	1.99	0.77
1:A:805:HIS:ND1	1:A:806:LYS:N	2.32	0.77
2:B:466:MET:HE1	2:B:471:LEU:HD13	1.65	0.77
2:C:81:GLY:CA	2:C:97:PRO:HB2	2.13	0.77
1:D:499:LYS:HB2	1:D:499:LYS:HZ2	1.50	0.77
1:D:504:LYS:HB3	1:D:523:ASP:HB2	1.66	0.77
1:D:1166:TYR:N	1:D:1166:TYR:CD1	2.43	0.77
2:E:309:HIS:ND1	2:E:310:GLU:HG2	2.00	0.77
2:E:431:LYS:HA	2:E:434:GLU:HG3	1.64	0.77
1:A:79:LEU:CD2	1:A:1173:LEU:O	2.29	0.77
1:A:175:TRP:HB2	1:A:184:ALA:C	2.10	0.77
1:A:448:ALA:HA	1:A:870:VAL:HG13	1.65	0.77
1:A:498:LYS:NZ	1:A:519:GLY:H	1.83	0.77
1:A:640:LEU:HD23	1:A:640:LEU:N	1.98	0.77
1:A:962:ALA:HB2	1:A:986:TYR:CZ	2.19	0.77
1:A:1029:GLN:C	1:A:1031:GLU:O	2.26	0.77
1:A:1108:TYR:CE2	1:A:1112:MET:HE3	2.19	0.77
1:A:1221:TYR:O	1:A:1224:ILE:HG22	1.83	0.77
2:B:324:GLY:CA	2:B:325:ARG:CZ	2.62	0.77
2:C:382:LYS:HD3	2:C:411:ILE:CG1	2.13	0.77
1:D:195:LEU:N	1:D:265:LEU:HD13	1.99	0.77
1:D:1221:TYR:HD1	1:D:1222:GLN:H	1.33	0.77
2:E:67:GLU:HG2	2:E:70:LEU:CD1	2.14	0.77
2:F:305:ASN:HA	2:F:335:VAL:HG11	1.65	0.77
1:A:77:GLN:CB	1:A:1174:PRO:HB3	2.14	0.77
1:A:358:LEU:O	1:A:361:VAL:HG13	1.85	0.77
1:A:460:LYS:O	1:A:464:MET:HG3	1.84	0.77
1:A:711:ALA:O	1:A:712:VAL:HG23	1.83	0.77
1:A:1068:ASP:C	1:A:1070:PRO:HD3	2.10	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1175:GLN:HG3	1:A:1176:SER:N	2.00	0.77
2:B:233:GLU:OE2	2:C:133:HIS:N	2.15	0.77
2:B:478:TYR:O	2:B:482:ALA:HB2	1.84	0.77
1:D:302:SER:HB2	1:D:351:SER:CB	2.15	0.77
1:D:869:ARG:O	1:D:1200:PRO:CB	2.32	0.77
2:E:78:PHE:O	2:E:79:LEU:CG	2.27	0.77
2:F:435:MET:O	2:F:436:SER:HB3	1.84	0.77
1:A:1040:LYS:CG	1:A:1044:VAL:HG11	2.15	0.77
1:A:1210:TYR:CE1	1:A:1213:PRO:CG	2.61	0.77
2:C:394:GLU:CD	2:C:394:GLU:N	2.43	0.77
1:D:294:THR:CG2	1:D:407:PHE:HE2	1.93	0.77
1:D:346:ASP:H	1:D:1040:LYS:HD3	1.48	0.77
1:D:415:LEU:C	1:D:417:ARG:H	1.93	0.77
1:D:512:LYS:O	1:D:513:LEU:HD23	1.84	0.77
2:E:69:LEU:HD12	2:E:69:LEU:H	1.48	0.77
2:E:448:LEU:HD23	2:E:448:LEU:C	2.09	0.77
2:F:131:LEU:C	2:F:182:ARG:HD3	2.10	0.77
1:A:608:ASP:CB	1:A:779:LEU:HB2	2.14	0.77
1:A:739:TYR:C	1:A:741:ASP:H	1.92	0.77
1:A:827:ARG:HH11	1:A:827:ARG:HG2	1.50	0.77
1:A:885:THR:HB	1:A:1146:ARG:NE	1.99	0.77
2:C:79:LEU:HA	2:C:99:PHE:HA	1.67	0.77
1:D:610:PHE:CE1	1:D:972:ARG:NH2	2.52	0.77
1:D:797:MET:CB	1:D:869:ARG:HD3	2.14	0.77
1:D:1143:GLU:O	1:D:1146:ARG:HG3	1.85	0.77
2:E:373:LYS:HB2	2:E:459:ASP:OD1	1.84	0.77
2:E:375:HIS:CD2	2:E:376:PRO:HB3	2.20	0.77
2:F:342:LEU:HG	2:F:344:ARG:HB2	1.67	0.77
1:A:562:ARG:HB3	1:A:565:HIS:CE1	2.21	0.76
1:A:593:SER:CA	1:A:596:MET:HG3	2.12	0.76
2:B:112:ALA:O	2:B:115:TRP:HB3	1.85	0.76
2:C:208:LEU:O	2:C:208:LEU:HD12	1.85	0.76
2:C:215:PHE:CD2	2:C:233:GLU:HG2	2.21	0.76
1:D:623:LEU:HB3	1:D:667:GLN:CD	2.10	0.76
1:D:726:LYS:O	1:D:727:ASP:CG	2.28	0.76
1:D:824:ALA:HA	1:D:827:ARG:HB3	1.67	0.76
2:F:383:VAL:HG23	2:F:439:PHE:O	1.83	0.76
1:A:192:GLU:O	1:A:193:ARG:HG3	1.84	0.76
1:A:213:VAL:O	1:A:401:TRP:HZ2	1.68	0.76
1:A:402:ALA:C	1:A:406:VAL:HG13	2.10	0.76
1:A:601:LYS:HA	1:A:717:LEU:HB3	1.65	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:617:ARG:HG2	1:A:765:PRO:HD3	1.66	0.76
1:A:732:TYR:HE1	1:A:755:LYS:CB	1.98	0.76
2:B:131:LEU:C	2:B:182:ARG:HH21	1.94	0.76
2:C:300:ILE:HG22	2:C:301:GLU:H	1.49	0.76
2:C:393:LEU:O	2:C:396:ARG:HG3	1.86	0.76
1:D:441:TRP:NE1	1:D:879:GLN:CA	2.48	0.76
2:E:389:ARG:N	2:E:395:LEU:HD11	2.00	0.76
2:F:305:ASN:CA	2:F:335:VAL:HG11	2.14	0.76
1:A:441:TRP:NE1	1:A:877:MET:HB3	2.00	0.76
1:A:643:ALA:O	1:A:645:VAL:HG23	1.85	0.76
1:A:989:THR:HG22	1:A:999:ASP:HB2	1.65	0.76
1:A:1119:LEU:HA	1:A:1122:GLU:CG	2.15	0.76
2:B:69:LEU:O	2:B:72:ILE:HG12	1.83	0.76
2:B:469:SER:C	2:B:471:LEU:H	1.91	0.76
2:C:81:GLY:HA3	2:C:97:PRO:CB	2.15	0.76
2:C:328:ARG:O	2:C:329:LYS:HD2	1.86	0.76
1:D:289:MET:SD	1:D:290:ARG:N	2.58	0.76
1:D:605:LEU:CD2	1:D:781:ALA:HB1	2.14	0.76
1:D:611:PRO:HB2	1:D:612:LEU:CD1	2.15	0.76
1:D:928:GLY:HA2	1:D:931:LEU:HD12	1.65	0.76
2:F:301:GLU:HB3	2:F:339:ASN:CB	2.12	0.76
2:F:306:LEU:HD21	2:F:310:GLU:CD	2.10	0.76
1:A:73:PRO:C	1:A:74:LEU:HD22	2.09	0.76
1:A:152:GLU:HA	1:A:155:ASN:ND2	2.00	0.76
2:B:277:ASP:CG	2:B:287:ASN:HD21	1.93	0.76
2:B:323:HIS:HB2	2:B:332:VAL:N	2.00	0.76
2:C:241:TRP:N	2:C:336:LEU:HB3	2.00	0.76
2:C:258:HIS:HA	2:C:261:GLN:OE1	1.85	0.76
2:C:389:ARG:CG	2:C:390:GLY:H	1.98	0.76
1:D:1158:LEU:H	1:D:1158:LEU:HD23	1.50	0.76
2:E:194:VAL:HG13	2:E:195:ASN:N	2.01	0.76
1:A:244:LEU:O	1:A:247:LEU:HB3	1.86	0.76
1:A:591:LEU:HD12	1:A:594:LEU:HG	1.67	0.76
1:A:868:ASP:HB3	1:A:1199:THR:HB	1.68	0.76
1:A:885:THR:CB	1:A:1146:ARG:NE	2.48	0.76
1:A:887:VAL:HG23	1:A:1146:ARG:HH11	1.50	0.76
1:A:1179:PHE:CD1	1:A:1220:ILE:HG21	2.20	0.76
2:B:74:GLN:O	2:B:77:HIS:CA	2.33	0.76
2:C:78:PHE:C	2:C:100:GLY:H	1.93	0.76
2:C:182:ARG:NH2	2:C:213:VAL:O	2.18	0.76
2:C:416:GLY:O	2:C:419:GLU:HB3	1.85	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:421:MET:HE2	2:C:422:GLN:HB2	1.68	0.76
1:D:137:GLN:O	1:D:141:LEU:HD12	1.86	0.76
1:D:513:LEU:O	1:D:570:PRO:HD2	1.86	0.76
1:D:522:GLY:O	1:D:524:PRO:CD	2.33	0.76
1:D:556:THR:HB	2:F:467:HIS:NE2	1.99	0.76
1:D:649:TYR:HD2	1:D:652:ILE:HG21	1.50	0.76
1:D:823:ARG:O	1:D:826:ILE:HG12	1.85	0.76
1:A:79:LEU:HD12	1:A:89:GLY:O	1.85	0.76
1:A:582:ASP:HB3	1:A:592:LEU:HD22	1.68	0.76
1:A:600:PRO:O	1:A:602:LEU:O	2.04	0.76
2:C:241:TRP:HB3	2:C:336:LEU:HB2	1.67	0.76
1:D:437:VAL:HA	1:D:441:TRP:HD1	1.50	0.76
1:D:659:HIS:CD2	1:D:719:LEU:HB2	2.21	0.76
2:F:208:LEU:HD13	2:F:240:VAL:HB	1.64	0.76
1:A:610:PHE:N	1:A:610:PHE:HD2	1.83	0.76
2:C:239:LEU:N	2:C:338:VAL:CG1	2.46	0.76
2:C:352:ASP:N	2:C:355:GLN:HB2	2.00	0.76
2:C:466:MET:HB3	2:C:471:LEU:CD2	2.10	0.76
1:D:83:LEU:HG	1:D:89:GLY:CA	2.16	0.76
1:D:130:LEU:O	1:D:131:TYR:CD2	2.39	0.76
1:D:140:ARG:O	1:D:144:GLN:HB2	1.85	0.76
1:D:375:GLU:HG3	1:D:379:LYS:CG	2.16	0.76
1:D:547:ALA:CA	1:D:551:LYS:HE2	2.16	0.76
1:D:606:THR:CG2	1:D:612:LEU:O	2.34	0.76
1:D:1197:CYS:C	1:D:1204:THR:OG1	2.29	0.76
1:D:1207:GLU:HA	1:D:1210:TYR:CD2	2.21	0.76
2:F:347:LEU:CA	2:F:350:LEU:HD11	2.15	0.76
2:F:350:LEU:HD12	2:F:350:LEU:H	1.51	0.76
1:A:498:LYS:HE3	1:A:518:ALA:N	2.01	0.76
2:C:444:THR:O	2:C:447:THR:N	2.18	0.76
2:C:452:LEU:HD12	2:C:453:ILE:N	2.01	0.76
1:D:275:ARG:HD2	1:D:843:GLN:OE1	1.85	0.76
1:D:604:ALA:CA	1:D:613:HIS:CE1	2.67	0.76
1:D:630:ASN:HB2	1:D:744:ILE:O	1.86	0.76
1:D:645:VAL:CG1	1:D:650:ARG:HG2	2.15	0.76
1:D:717:LEU:H	1:D:717:LEU:CD2	1.92	0.76
1:D:748:TRP:CH2	1:D:750:PHE:HE2	2.02	0.76
1:D:914:THR:CG2	1:D:999:ASP:HB3	2.15	0.76
1:D:1102:GLN:O	1:D:1106:VAL:HG23	1.85	0.76
2:E:213:VAL:HG13	2:E:235:THR:HG22	1.67	0.76
2:F:197:LEU:O	2:F:202:LYS:HA	1.85	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:444:THR:O	2:F:447:THR:HG22	1.86	0.76
1:A:77:GLN:OE1	1:A:1174:PRO:CB	2.34	0.76
1:A:175:TRP:HB3	1:A:186:PRO:CD	2.15	0.76
1:A:274:ASP:N	1:A:276:ALA:H	1.83	0.76
1:A:618:HIS:HB2	1:A:725:PRO:CG	2.16	0.76
1:A:1112:MET:HA	1:A:1156:THR:CG2	2.16	0.76
2:B:260:LEU:O	2:B:264:ARG:HD3	1.86	0.76
2:B:440:THR:HG22	2:B:441:VAL:N	2.01	0.76
2:C:244:PRO:CD	2:C:247:THR:CG2	2.64	0.76
2:C:300:ILE:HG22	2:C:301:GLU:N	2.00	0.76
2:C:303:LEU:HD11	2:C:339:ASN:OD1	1.86	0.76
2:C:385:LEU:HD11	2:C:402:LEU:CB	2.14	0.76
2:C:474:PHE:HE1	2:C:478:TYR:CD2	2.04	0.76
2:C:484:ASN:O	2:C:485:VAL:HG13	1.86	0.76
1:D:192:GLU:O	1:D:217:PRO:HD3	1.86	0.76
1:D:656:TYR:O	1:D:659:HIS:CE1	2.38	0.76
1:D:966:LEU:HD23	1:D:970:ASN:ND2	2.00	0.76
2:F:208:LEU:HD11	2:F:240:VAL:CB	2.16	0.76
2:F:241:TRP:HB2	2:F:336:LEU:CG	2.14	0.76
2:F:374:LEU:HD12	2:F:379:ALA:HA	1.65	0.76
1:A:120:LEU:H	1:A:120:LEU:HD22	1.50	0.76
1:A:354:ASN:OD1	1:A:355:SER:N	2.18	0.76
1:A:471:CYS:CB	1:A:472:GLN:OE1	2.34	0.76
1:A:667:GLN:O	1:A:671:GLN:HG2	1.86	0.76
1:A:1030:ARG:CD	1:A:1040:LYS:HZ1	1.99	0.76
2:C:396:ARG:HD2	2:C:396:ARG:C	2.10	0.76
1:D:546:ARG:O	1:D:551:LYS:NZ	2.19	0.76
1:D:903:GLY:HA3	1:D:1002:GLU:CB	2.16	0.76
1:D:1023:GLN:HE22	1:D:1099:TRP:C	1.93	0.76
2:E:336:LEU:HD22	2:E:338:VAL:HG23	1.67	0.76
2:F:393:LEU:O	2:F:396:ARG:HG3	1.85	0.76
1:A:1069:ILE:CG2	1:A:1070:PRO:HD3	2.15	0.75
1:A:1169:GLY:O	1:A:1170:LEU:HB3	1.86	0.75
2:C:254:PHE:CA	2:C:257:ARG:HH21	1.98	0.75
1:D:463:LEU:HA	1:D:466:LEU:HD22	1.68	0.75
1:D:671:GLN:NE2	1:D:671:GLN:HA	2.00	0.75
1:D:865:ALA:HA	1:D:872:SER:HA	1.68	0.75
1:D:907:PHE:CZ	1:D:1002:GLU:HB3	2.20	0.75
1:D:910:MET:HE1	1:D:911:HIS:CE1	2.21	0.75
1:D:913:CYS:SG	1:D:914:THR:N	2.56	0.75
1:D:1027:LYS:HZ3	1:D:1091:GLU:HG2	1.48	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1165:ALA:O	1:D:1169:GLY:HA3	1.87	0.75
2:E:102:LEU:HD13	2:E:102:LEU:O	1.87	0.75
2:E:383:VAL:O	2:E:384:ALA:HB2	1.85	0.75
2:E:456:ARG:HG3	2:E:462:MET:C	2.10	0.75
2:F:200:VAL:CG1	2:F:204:LEU:HB2	2.15	0.75
1:A:112:LEU:HD21	1:A:918:TRP:HA	1.69	0.75
1:A:560:PRO:HD2	2:C:452:LEU:HD23	1.66	0.75
2:C:382:LYS:O	2:C:438:LEU:HB2	1.86	0.75
2:C:415:PRO:HB3	2:C:417:TYR:CE2	2.21	0.75
1:D:352:SER:O	1:D:358:GLU:HG2	1.85	0.75
1:D:389:PHE:CA	1:D:393:MET:HG3	2.16	0.75
1:D:547:ALA:C	1:D:551:LYS:HE2	2.11	0.75
1:D:948:ILE:HG23	1:D:1071:ARG:HB2	1.69	0.75
1:D:1145:ASP:HA	1:D:1148:ARG:CD	2.16	0.75
2:E:336:LEU:HD23	2:E:337:SER:N	2.00	0.75
1:A:142:LEU:HD22	1:A:1118:TRP:CD1	2.21	0.75
1:A:374:ARG:NE	1:A:392:LEU:HD13	1.98	0.75
1:A:601:LYS:HG2	1:A:721:ALA:HB1	1.68	0.75
1:A:914:THR:O	1:A:915:ALA:CB	2.34	0.75
1:A:1008:LEU:C	1:A:1008:LEU:HD22	2.11	0.75
2:B:269:SER:H	2:B:270:PRO:CD	1.98	0.75
1:D:83:LEU:HD13	1:D:83:LEU:N	2.01	0.75
1:D:432:VAL:HB	1:D:1128:ARG:HH21	1.51	0.75
1:D:744:ILE:HG12	1:D:745:PRO:HD2	1.68	0.75
1:D:823:ARG:NE	1:D:824:ALA:H	1.85	0.75
2:F:484:ASN:O	2:F:485:VAL:HG13	1.87	0.75
1:A:879:GLN:CG	1:A:1189:LEU:HD21	2.15	0.75
1:A:1026:ARG:CB	1:A:1029:GLN:CB	2.49	0.75
1:A:1151:LEU:HG	1:A:1223:ILE:HD11	1.68	0.75
1:A:1207:GLU:HA	1:A:1210:TYR:HD1	1.51	0.75
1:A:1231:LEU:HG	1:A:1232:GLU:H	1.51	0.75
2:B:90:SER:HA	2:B:93:SER:OG	1.85	0.75
2:C:425:LEU:HD21	2:C:429:TYR:OH	1.86	0.75
1:D:113:TRP:HE3	1:D:114:GLY:N	1.81	0.75
1:D:239:LEU:CB	1:D:242:ALA:HB3	2.15	0.75
1:D:459:MET:N	1:D:460:LYS:NZ	2.34	0.75
1:D:956:GLY:HA2	1:D:1094:THR:CG2	2.04	0.75
1:D:1006:ARG:CZ	1:D:1010:LEU:HD11	2.15	0.75
1:D:1028:VAL:HG22	1:D:1096:ARG:CZ	2.16	0.75
2:F:251:TRP:HA	2:F:251:TRP:CE3	2.20	0.75
1:A:594:LEU:N	1:A:594:LEU:HD23	2.01	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:940:GLY:O	1:A:941:ILE:HD12	1.86	0.75
1:A:961:PHE:N	1:A:961:PHE:CD1	2.51	0.75
1:A:1041:TRP:CE2	1:A:1043:VAL:HB	2.21	0.75
2:C:128:VAL:HG12	2:C:192:HIS:CD2	2.21	0.75
2:C:239:LEU:O	2:C:338:VAL:CG1	2.34	0.75
1:D:1116:MET:HE3	1:D:1156:THR:CB	2.16	0.75
2:F:73:CYS:HB3	2:F:79:LEU:HD23	1.69	0.75
2:F:243:THR:O	2:F:334:CYS:HB2	1.87	0.75
2:F:435:MET:HA	2:F:435:MET:CE	2.14	0.75
2:F:454:HIS:HD2	2:F:468:ILE:CA	1.99	0.75
2:B:306:LEU:HD22	2:B:310:GLU:HG2	1.67	0.75
1:D:134:ASN:HB3	1:D:137:GLN:H	1.51	0.75
1:D:259:ARG:HG3	1:D:261:TRP:CD1	2.22	0.75
1:D:434:TYR:O	1:D:435:LEU:HG	1.86	0.75
1:D:608:ASP:HB3	1:D:620:TRP:CE2	2.22	0.75
1:D:865:ALA:HB3	1:D:1197:CYS:SG	2.26	0.75
1:D:1236:GLN:HB2	1:D:1237:PRO:HD3	1.68	0.75
2:E:253:ASP:O	2:E:257:ARG:N	2.20	0.75
2:F:385:LEU:HD11	2:F:402:LEU:CB	2.17	0.75
1:A:412:PRO:O	1:A:415:LEU:HB2	1.86	0.75
1:A:652:ILE:HA	1:A:655:LEU:CD2	2.16	0.75
1:A:823:ARG:HG3	1:A:823:ARG:O	1.87	0.75
1:A:1175:GLN:HG3	1:A:1176:SER:H	1.49	0.75
1:D:167:PRO:HD2	1:D:168:ALA:N	1.99	0.75
1:D:213:VAL:HG13	1:D:401:TRP:CE2	2.21	0.75
1:D:249:VAL:HG23	1:D:250:PRO:HD2	1.66	0.75
1:D:279:ARG:HG3	1:D:841:LEU:O	1.87	0.75
1:D:881:PRO:O	1:D:884:TYR:HB2	1.86	0.75
1:D:1029:GLN:NE2	1:D:1030:ARG:NH2	2.32	0.75
1:D:1131:ILE:H	1:D:1131:ILE:HD13	1.51	0.75
1:D:1154:GLN:OE1	1:D:1220:ILE:HA	1.85	0.75
2:F:114:TRP:HE1	2:F:259:ARG:NH2	1.85	0.75
2:F:131:LEU:HB3	2:F:133:HIS:CG	2.21	0.75
2:F:239:LEU:H	2:F:338:VAL:CG2	1.99	0.75
2:F:326:ASP:CG	2:F:327:GLY:N	2.42	0.75
2:F:394:GLU:CD	2:F:394:GLU:H	1.92	0.75
1:A:172:ALA:HA	1:A:221:TYR:O	1.85	0.75
1:A:256:PRO:HB2	1:A:281:GLN:HA	1.67	0.75
1:A:473:LEU:HD23	1:A:473:LEU:H	1.50	0.75
1:A:539:PHE:O	1:A:540:GLN:CG	2.35	0.75
1:A:879:GLN:HG2	1:A:1189:LEU:CG	2.17	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:922:GLN:HG3	1:A:923:GLY:N	2.01	0.75
1:A:926:SER:O	1:A:927:ARG:HB2	1.86	0.75
2:B:104:VAL:HG21	2:C:128:VAL:O	1.87	0.75
1:D:247:LEU:HA	1:D:815:TRP:CD1	2.22	0.75
1:D:356:LEU:CD1	1:D:369:LEU:HD22	2.16	0.75
2:F:277:ASP:OD2	2:F:287:ASN:HB3	1.87	0.75
2:F:446:THR:CA	2:F:450:ASN:H	1.99	0.75
1:A:266:VAL:HG23	1:A:290:ARG:O	1.86	0.75
1:A:576:LEU:HD21	2:C:482:ALA:HB2	1.67	0.75
1:A:610:PHE:N	1:A:610:PHE:CD2	2.52	0.75
1:A:825:VAL:O	1:A:829:PRO:HD3	1.85	0.75
1:A:870:VAL:HG22	1:A:1202:ASN:HD22	1.52	0.75
1:A:1011:PRO:HG2	1:A:1012:VAL:HG13	1.68	0.75
1:A:1119:LEU:HA	1:A:1122:GLU:HG2	1.69	0.75
2:C:344:ARG:N	2:C:347:LEU:HD13	2.01	0.75
2:C:351:TYR:O	2:C:352:ASP:C	2.27	0.75
1:D:249:VAL:HG22	1:D:250:PRO:CD	2.16	0.75
1:D:597:ARG:HH11	1:D:724:GLY:C	1.94	0.75
1:D:623:LEU:O	1:D:625:PRO:CD	2.34	0.75
1:D:642:SER:CA	1:D:645:VAL:HG11	2.13	0.75
1:D:665:LYS:O	1:D:669:MET:HG2	1.87	0.75
2:E:78:PHE:CA	2:E:102:LEU:HB3	2.17	0.75
2:E:353:SER:OG	2:E:372:LEU:HD11	1.86	0.75
2:F:203:ARG:HE	2:F:204:LEU:HD13	1.48	0.75
2:F:254:PHE:CA	2:F:257:ARG:HH21	2.00	0.75
1:A:273:PHE:C	1:A:276:ALA:HB3	2.12	0.74
1:A:481:GLU:HB3	1:A:482:ASP:OD1	1.86	0.74
1:A:607:TRP:NE1	1:A:671:GLN:HE22	1.84	0.74
1:A:821:LEU:HG	1:A:826:ILE:HG23	1.69	0.74
1:A:883:GLY:C	1:A:884:TYR:CD1	2.64	0.74
1:A:897:TRP:NE1	1:A:901:VAL:HG13	2.02	0.74
1:A:933:SER:HB2	1:A:943:ARG:CD	2.15	0.74
1:A:933:SER:HB2	1:A:943:ARG:CZ	2.17	0.74
1:A:958:GLY:O	1:A:961:PHE:CD1	2.39	0.74
1:A:958:GLY:O	1:A:961:PHE:HD1	1.69	0.74
2:C:386:ASP:CB	2:C:442:LEU:HA	2.10	0.74
1:D:242:ALA:HA	1:D:245:ILE:HG23	1.68	0.74
1:D:275:ARG:NH1	1:D:843:GLN:CG	2.50	0.74
1:D:542:ASP:O	1:D:546:ARG:N	2.18	0.74
1:D:798:ILE:HG22	1:D:869:ARG:CZ	2.17	0.74
1:D:892:ASP:C	1:D:892:ASP:OD2	2.30	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:185:LEU:HD13	2:E:238:SER:OG	1.87	0.74
2:F:395:LEU:HB3	2:F:443:VAL:CG2	2.15	0.74
2:F:471:LEU:HA	2:F:474:PHE:HB3	1.69	0.74
1:A:76:ILE:HG13	1:A:77:GLN:CG	2.15	0.74
1:A:879:GLN:CB	1:A:886:LEU:HD11	2.16	0.74
1:A:1015:THR:HA	1:A:1016:GLU:OE2	1.86	0.74
1:A:1148:ARG:HG2	1:A:1148:ARG:NH1	1.90	0.74
2:B:344:ARG:H	2:B:344:ARG:CD	1.99	0.74
2:C:342:LEU:HB2	2:C:344:ARG:CB	2.17	0.74
1:D:131:TYR:CB	1:D:138:HIS:CE1	2.70	0.74
1:D:176:THR:N	1:D:185:VAL:HG11	2.01	0.74
1:D:620:TRP:CD1	1:D:620:TRP:H	2.04	0.74
1:D:666:GLN:HG2	1:D:669:MET:HE3	1.68	0.74
1:D:865:ALA:HB1	1:D:872:SER:OG	1.86	0.74
1:D:904:ASP:OD2	1:D:915:ALA:HB3	1.86	0.74
1:D:1025:LEU:O	1:D:1025:LEU:HD22	1.87	0.74
1:D:1045:ALA:HB1	1:D:1090:GLU:HG2	1.69	0.74
2:E:215:PHE:HB3	2:E:233:GLU:HA	1.70	0.74
2:F:445:GLU:HA	2:F:448:LEU:HD12	1.69	0.74
2:F:446:THR:HG22	2:F:449:GLU:OE1	1.87	0.74
2:F:447:THR:HA	2:F:452:LEU:CA	2.17	0.74
1:A:261:TRP:HA	1:A:261:TRP:CE3	2.21	0.74
1:A:665:LYS:CG	1:A:666:GLN:N	2.50	0.74
1:A:717:LEU:O	1:A:721:ALA:HB3	1.88	0.74
1:A:813:VAL:HB	1:A:840:ILE:HG12	1.70	0.74
1:A:897:TRP:CZ3	1:A:1108:TYR:HE1	2.05	0.74
2:B:74:GLN:CG	2:B:75:ARG:N	2.50	0.74
2:C:273:PHE:CE1	2:C:291:TYR:HD1	2.04	0.74
1:D:622:TYR:O	1:D:746:GLY:CA	2.36	0.74
1:D:660:CYS:HB2	1:D:745:PRO:HD3	1.68	0.74
1:D:885:THR:CB	1:D:1146:ARG:HD2	2.15	0.74
2:E:380:PRO:O	2:E:382:LYS:CB	2.34	0.74
2:F:241:TRP:CA	2:F:336:LEU:HB2	2.18	0.74
1:A:622:TYR:HB2	1:A:747:CYS:O	1.87	0.74
2:C:276:SER:O	2:C:287:ASN:CB	2.36	0.74
2:C:303:LEU:C	2:C:337:SER:CB	2.60	0.74
2:C:343:ASP:O	2:C:347:LEU:HD13	1.87	0.74
1:D:348:LEU:CD1	1:D:350:ILE:HD11	2.17	0.74
1:D:872:SER:OG	1:D:1200:PRO:HD3	1.86	0.74
1:D:900:ALA:HB1	1:D:915:ALA:CB	2.13	0.74
2:F:389:ARG:HG3	2:F:390:GLY:H	1.52	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:282:TYR:CZ	1:A:432:VAL:HG22	2.21	0.74
1:A:468:ASN:HD21	1:A:578:PRO:CG	2.00	0.74
1:A:490:TRP:CZ2	1:A:596:MET:HB3	2.22	0.74
1:A:720:THR:CG2	1:A:721:ALA:N	2.51	0.74
1:A:932:HIS:HB3	1:A:947:LYS:HG2	1.68	0.74
1:A:958:GLY:HA2	1:A:986:TYR:CE2	2.22	0.74
2:B:284:ARG:O	2:B:285:LYS:HB3	1.87	0.74
2:C:194:VAL:O	2:C:197:LEU:HD22	1.86	0.74
2:C:207:GLY:HA3	2:C:239:LEU:HD11	1.69	0.74
1:D:220:TRP:CD1	1:D:221:TYR:HD2	2.05	0.74
1:D:269:HIS:HB3	1:D:277:HIS:CD2	2.22	0.74
1:D:513:LEU:H	1:D:570:PRO:CD	1.99	0.74
1:D:547:ALA:C	1:D:551:LYS:CE	2.61	0.74
1:D:622:TYR:O	1:D:746:GLY:HA3	1.87	0.74
1:D:1031:GLU:HG3	1:D:1031:GLU:O	1.87	0.74
1:D:1175:GLN:C	1:D:1177:VAL:H	1.94	0.74
2:F:245:PRO:O	2:F:248:SER:CB	2.35	0.74
1:A:247:LEU:HD12	1:A:251:THR:CG2	2.17	0.74
1:A:448:ALA:O	1:A:870:VAL:HG11	1.87	0.74
2:B:350:LEU:O	2:B:350:LEU:HD13	1.88	0.74
2:C:387:VAL:O	2:C:420:THR:OG1	2.06	0.74
1:D:569:HIS:H	1:D:570:PRO:CD	2.01	0.74
1:D:610:PHE:HE1	1:D:972:ARG:NH2	1.86	0.74
1:D:744:ILE:HB	1:D:745:PRO:HD3	1.70	0.74
1:D:1014:ARG:CD	1:D:1026:ARG:NE	2.50	0.74
2:F:299:LEU:N	2:F:299:LEU:CD2	2.50	0.74
2:F:371:VAL:HG23	2:F:433:ASP:C	2.12	0.74
1:A:435:LEU:HD23	1:A:879:GLN:OE1	1.86	0.74
1:A:1026:ARG:N	1:A:1091:GLU:OE2	2.21	0.74
2:B:236:GLU:HG2	2:B:341:ASP:HB2	1.69	0.74
2:C:403:PHE:CD1	2:C:417:TYR:OH	2.41	0.74
1:D:80:SER:HB2	1:D:125:LEU:HG	1.69	0.74
1:D:220:TRP:CD1	1:D:221:TYR:CD2	2.76	0.74
1:D:312:TRP:CZ2	1:D:347:TRP:HA	2.21	0.74
1:D:457:ARG:C	1:D:460:LYS:CE	2.60	0.74
1:D:551:LYS:CD	1:D:551:LYS:N	2.30	0.74
1:D:807:ARG:HB2	1:D:858:THR:HG23	1.69	0.74
1:D:931:LEU:O	1:D:934:LYS:HD2	1.88	0.74
1:D:972:ARG:O	1:D:974:THR:HG23	1.88	0.74
1:D:1069:ILE:HG12	1:D:1070:PRO:HD2	1.68	0.74
2:E:128:VAL:CG1	2:E:210:GLN:HE21	1.98	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:432:TYR:HD2	2:E:437:ILE:HG12	1.53	0.74
2:E:442:LEU:HD12	2:E:454:HIS:CE1	2.23	0.74
2:F:455:LEU:CB	2:F:456:ARG:HE	2.00	0.74
2:F:476:ILE:HD13	2:F:477:LYS:N	2.02	0.74
1:A:297:MET:HG3	1:A:298:HIS:N	2.03	0.74
1:A:452:TYR:N	1:A:869:ARG:HH21	1.86	0.74
1:A:497:GLN:HA	1:A:516:GLU:CB	2.18	0.74
1:A:606:THR:OG1	1:A:613:HIS:N	2.21	0.74
1:A:624:VAL:HG11	1:A:747:CYS:SG	2.26	0.74
1:A:667:GLN:C	1:A:670:PRO:HD2	2.12	0.74
2:B:311:LEU:CD1	2:B:312:LEU:H	2.00	0.74
2:C:341:ASP:C	2:C:342:LEU:HD13	2.13	0.74
1:D:189:ILE:HG23	1:D:258:GLN:HB3	1.67	0.74
1:D:209:PRO:O	1:D:224:CYS:SG	2.45	0.74
1:D:457:ARG:C	1:D:460:LYS:HE3	2.12	0.74
1:D:879:GLN:O	1:D:1189:LEU:HD21	1.87	0.74
2:E:373:LYS:HA	2:E:458:ARG:CZ	2.17	0.74
2:F:243:THR:OG1	2:F:334:CYS:HB2	1.87	0.74
2:F:344:ARG:HA	2:F:347:LEU:HD22	1.68	0.74
1:A:145:LYS:HG3	1:A:1118:TRP:HH2	1.51	0.74
1:A:196:VAL:O	1:A:401:TRP:HH2	1.70	0.74
1:A:220:TRP:CD1	1:A:221:TYR:H	2.06	0.74
1:A:252:GLY:O	1:A:280:GLU:HB3	1.88	0.74
1:A:261:TRP:HA	1:A:261:TRP:HE3	1.52	0.74
1:A:612:LEU:CB	1:A:620:TRP:HB2	2.17	0.74
1:A:624:VAL:C	1:A:626:GLY:N	2.43	0.74
1:A:765:PRO:HG2	1:A:766:PHE:CD1	2.23	0.74
1:A:805:HIS:ND1	1:A:805:HIS:C	2.45	0.74
1:A:873:GLU:OE1	1:A:875:LYS:CG	2.36	0.74
1:A:903:GLY:HA3	1:A:1002:GLU:HB3	1.70	0.74
1:A:1014:ARG:HB2	1:A:1026:ARG:NH1	2.03	0.74
2:C:356:LEU:CB	2:C:359:ASN:HD21	2.00	0.74
1:D:101:ARG:HG3	1:D:101:ARG:NH1	1.91	0.74
1:D:189:ILE:HG21	1:D:258:GLN:HB3	1.70	0.74
1:D:614:TYR:HE2	1:D:620:TRP:CE3	2.05	0.74
1:D:842:PRO:HB2	1:D:856:GLU:OE2	1.88	0.74
1:D:897:TRP:CZ3	1:D:1177:VAL:HG11	2.22	0.74
1:D:1005:VAL:O	1:D:1009:ASN:N	2.21	0.74
1:D:1185:ILE:O	1:D:1185:ILE:HD12	1.87	0.74
1:D:1236:GLN:CB	1:D:1237:PRO:CD	2.66	0.74
2:F:193:TYR:HB2	2:F:242:PHE:CE2	2.22	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:389:ARG:CG	2:F:390:GLY:H	2.00	0.74
2:F:464:GLU:OE2	2:F:466:MET:HG2	1.87	0.74
1:A:85:GLU:OE2	1:A:127:LEU:O	2.05	0.74
1:A:392:LEU:CD2	1:A:395:TYR:HB2	2.18	0.74
1:A:769:ASP:OD1	1:A:1057:MET:HE2	1.88	0.74
1:A:1209:ARG:NH2	2:C:256:LEU:HD23	2.03	0.74
2:B:110:LEU:HD21	2:B:342:LEU:HD21	1.70	0.74
2:B:279:GLN:O	2:B:280:ASP:CB	2.30	0.74
2:B:342:LEU:O	2:B:345:GLY:N	2.21	0.74
1:D:195:LEU:O	1:D:267:VAL:HA	1.88	0.74
1:D:452:TYR:CG	1:D:801:TRP:NE1	2.55	0.74
1:D:478:ARG:NE	1:D:481:GLU:OE1	2.21	0.74
1:D:572:TRP:CZ2	2:F:470:LYS:HB3	2.23	0.74
1:D:768:LYS:C	1:D:772:PRO:HD2	2.13	0.74
1:D:913:CYS:O	1:D:917:GLY:HA3	1.88	0.74
2:F:387:VAL:HG23	2:F:417:TYR:HA	1.68	0.74
1:A:257:THR:HG23	1:A:258:GLN:O	1.87	0.73
1:A:877:MET:HA	1:A:877:MET:HE2	1.69	0.73
1:A:1236:GLN:CB	1:A:1237:PRO:CD	2.64	0.73
2:C:197:LEU:HD23	2:C:198:ASP:N	2.03	0.73
1:D:360:HIS:O	1:D:364:VAL:HG22	1.88	0.73
1:D:554:GLY:HA2	1:D:557:GLU:HG3	1.68	0.73
1:D:577:CYS:HB3	1:D:578:PRO:HD2	1.70	0.73
1:A:87:ILE:HG22	1:A:88:PHE:H	1.48	0.73
1:A:285:GLN:C	1:A:1128:ARG:NH2	2.46	0.73
1:A:593:SER:HA	1:A:596:MET:CG	2.15	0.73
1:A:815:TRP:CA	1:A:838:GLY:HA3	2.17	0.73
1:A:1205:GLY:O	1:A:1208:ARG:HB3	1.88	0.73
2:C:290:TYR:HA	2:C:298:GLU:O	1.88	0.73
2:C:323:HIS:O	2:C:333:PRO:HD3	1.88	0.73
2:C:357:THR:C	2:C:359:ASN:H	1.97	0.73
1:D:556:THR:OG1	2:F:452:LEU:HD22	1.88	0.73
1:D:926:SER:HB2	1:D:930:ASP:CB	2.17	0.73
1:D:1072:THR:HG21	1:D:1134:HIS:CE1	2.23	0.73
1:D:1142:ARG:O	1:D:1144:GLU:O	2.06	0.73
2:E:428:LEU:HD13	2:E:428:LEU:N	2.02	0.73
2:F:432:TYR:HB3	2:F:437:ILE:HD11	1.70	0.73
1:A:503:VAL:HB	1:A:521:PRO:CA	2.16	0.73
1:A:845:VAL:HB	1:A:855:VAL:CG2	2.19	0.73
1:A:887:VAL:HG22	1:A:1146:ARG:HH11	1.51	0.73
1:A:1024:ASP:HA	1:A:1026:ARG:NH1	2.03	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:192:HIS:O	2:C:196:CYS:SG	2.46	0.73
2:C:200:VAL:HG11	2:C:204:LEU:HD13	1.70	0.73
2:C:301:GLU:HG2	2:C:339:ASN:HB3	1.70	0.73
1:D:1005:VAL:HA	1:D:1008:LEU:HD12	1.68	0.73
1:D:1197:CYS:C	1:D:1204:THR:HG1	1.95	0.73
2:F:115:TRP:CH2	2:F:210:GLN:HG2	2.22	0.73
2:F:431:LYS:HE2	2:F:435:MET:HB2	1.70	0.73
1:A:205:GLU:OE1	1:A:205:GLU:HA	1.87	0.73
1:A:739:TYR:HA	1:A:742:VAL:HB	1.71	0.73
1:A:933:SER:HB2	1:A:943:ARG:NE	2.03	0.73
1:A:1200:PRO:O	1:A:1204:THR:OG1	2.06	0.73
2:B:123:GLU:HB2	2:C:403:PHE:HZ	1.53	0.73
2:B:396:ARG:HD2	2:B:418:LEU:H	1.52	0.73
2:C:300:ILE:HA	2:C:342:LEU:HD12	1.69	0.73
1:D:271:VAL:O	1:D:274:ASP:HB2	1.88	0.73
1:D:417:ARG:O	1:D:418:CYS:SG	2.45	0.73
1:D:498:LYS:HZ3	1:D:521:PRO:HB3	1.53	0.73
1:D:805:HIS:O	1:D:809:SER:N	2.20	0.73
1:D:888:GLY:HA3	1:D:1138:ARG:HA	1.70	0.73
1:D:992:LEU:HD12	1:D:993:ARG:H	1.52	0.73
2:F:247:THR:CB	2:F:251:TRP:CD1	2.67	0.73
2:F:346:MET:HE3	2:F:347:LEU:CD1	2.15	0.73
2:F:353:SER:HB3	2:F:373:LYS:O	1.88	0.73
1:A:192:GLU:CD	1:A:193:ARG:N	2.46	0.73
1:A:230:GLU:CD	1:A:231:GLU:H	1.91	0.73
1:A:297:MET:HG3	1:A:298:HIS:H	1.52	0.73
1:A:453:GLU:O	1:A:454:GLU:C	2.31	0.73
1:A:498:LYS:HZ2	1:A:519:GLY:H	1.35	0.73
1:A:500:ALA:HB1	1:A:520:ALA:HB3	1.70	0.73
1:A:897:TRP:HZ3	1:A:1108:TYR:CE1	2.07	0.73
1:A:1160:THR:HG22	1:A:1164:PHE:HE1	1.51	0.73
1:D:86:GLN:NE2	1:D:132:GLY:N	2.34	0.73
1:D:179:GLY:CA	1:D:182:GLY:CA	2.65	0.73
1:D:369:LEU:O	1:D:371:LYS:O	2.05	0.73
1:D:595:GLN:O	1:D:596:MET:C	2.31	0.73
1:D:598:VAL:CA	1:D:601:LYS:HE2	2.16	0.73
1:D:658:LYS:CE	1:D:713:PRO:HB2	2.19	0.73
1:D:891:VAL:O	1:D:894:GLN:HG2	1.88	0.73
1:D:996:ARG:NE	1:D:996:ARG:N	2.36	0.73
1:D:1069:ILE:HG23	1:D:1070:PRO:N	2.02	0.73
2:E:117:SER:HA	2:E:121:PHE:CD1	2.24	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:383:VAL:O	2:E:384:ALA:HB3	1.87	0.73
1:A:87:ILE:CG2	1:A:88:PHE:H	2.01	0.73
1:A:145:LYS:O	1:A:149:PRO:HD2	1.88	0.73
1:A:278:ILE:HG12	1:A:291:PHE:CE1	2.22	0.73
1:A:386:ARG:HD3	1:A:387:GLU:H	1.53	0.73
1:A:451:THR:C	1:A:869:ARG:HH22	1.95	0.73
1:A:712:VAL:O	1:A:719:LEU:HD22	1.88	0.73
1:A:868:ASP:O	1:A:869:ARG:HB2	1.88	0.73
2:B:128:VAL:HB	2:B:208:LEU:HB2	1.70	0.73
2:C:267:ALA:HB3	2:C:270:PRO:HB3	1.70	0.73
2:C:363:ARG:HH11	2:C:363:ARG:CA	1.99	0.73
1:D:429:GLU:HG3	1:D:1128:ARG:CZ	2.18	0.73
1:D:474:LEU:HD12	1:D:474:LEU:N	2.02	0.73
1:D:546:ARG:HH21	2:F:404:ASN:CB	1.95	0.73
1:D:618:HIS:NE2	1:D:761:ASN:HB3	2.02	0.73
1:D:761:ASN:O	1:D:763:GLY:N	2.21	0.73
1:D:989:THR:CA	1:D:998:SER:OG	2.34	0.73
1:D:993:ARG:CA	1:D:996:ARG:HD2	2.19	0.73
2:F:202:LYS:O	2:F:325:ARG:HG2	1.88	0.73
1:A:634:LEU:HD12	1:A:638:THR:CB	2.19	0.73
1:A:1109:LEU:O	1:A:1112:MET:HG3	1.89	0.73
2:B:75:ARG:HD2	2:B:434:GLU:OE2	1.87	0.73
2:C:347:LEU:CA	2:C:350:LEU:HD11	2.18	0.73
1:D:410:GLN:O	1:D:412:PRO:HD2	1.88	0.73
2:F:344:ARG:N	2:F:347:LEU:HD13	2.03	0.73
1:A:259:ARG:NE	1:A:259:ARG:HA	2.04	0.73
1:A:439:GLN:CG	1:A:835:GLY:HA3	2.17	0.73
1:A:605:LEU:C	1:A:781:ALA:HB3	2.14	0.73
1:A:1041:TRP:HD1	1:A:1041:TRP:O	1.68	0.73
2:B:417:TYR:C	2:B:419:GLU:H	1.97	0.73
2:C:347:LEU:HA	2:C:350:LEU:HD11	1.69	0.73
2:C:356:LEU:O	2:C:370:LYS:HE2	1.88	0.73
1:D:495:PHE:HB2	1:D:573:TYR:CE1	2.23	0.73
1:D:515:ILE:CD1	1:D:568:GLY:O	2.37	0.73
1:D:645:VAL:O	1:D:650:ARG:HB3	1.88	0.73
2:E:218:VAL:H	2:E:231:ILE:HA	1.53	0.73
2:E:272:ASN:HA	2:E:292:ASN:ND2	2.04	0.73
2:F:452:LEU:O	2:F:453:ILE:HG13	1.88	0.73
1:A:79:LEU:CD1	1:A:89:GLY:O	2.37	0.73
1:A:203:LEU:HD12	1:A:379:LYS:C	2.13	0.73
1:A:219:ALA:O	1:A:220:TRP:CE3	2.41	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1118:TRP:O	1:A:1122:GLU:HG2	1.89	0.73
2:B:99:PHE:CD2	2:C:129:ASP:OD2	2.42	0.73
2:C:398:VAL:HA	2:C:401:GLY:HA3	1.70	0.73
1:D:308:GLN:OE1	1:D:1027:LYS:NZ	2.21	0.73
1:D:948:ILE:CG2	1:D:1071:ARG:HB2	2.19	0.73
1:D:1138:ARG:NH2	1:D:1191:LYS:CE	2.51	0.73
1:A:241:PRO:HA	1:A:244:LEU:CG	2.18	0.73
1:A:245:ILE:O	1:A:248:GLU:CD	2.32	0.73
1:A:436:PRO:CB	1:A:881:PRO:HD3	2.08	0.73
1:A:741:ASP:CG	1:A:742:VAL:HG23	2.13	0.73
1:A:930:ASP:HA	1:A:933:SER:HB3	1.70	0.73
2:B:304:TRP:CE3	2:B:304:TRP:HA	2.24	0.73
2:B:400:GLN:NE2	2:B:417:TYR:CG	2.55	0.73
2:C:342:LEU:HB2	2:C:344:ARG:HD3	1.70	0.73
1:D:81:ARG:HG2	1:D:125:LEU:O	1.88	0.73
1:D:257:THR:OG1	1:D:281:GLN:NE2	2.21	0.73
1:D:278:ILE:O	1:D:282:TYR:HD1	1.72	0.73
1:D:347:TRP:HE1	1:D:349:ASP:CG	1.96	0.73
1:D:432:VAL:CG1	1:D:1128:ARG:HE	1.99	0.73
1:D:1195:MET:HB3	1:D:1196:ASP:O	1.89	0.73
2:E:377:CYS:SG	2:E:378:LEU:CD1	2.77	0.73
2:F:473:ASP:CA	2:F:476:ILE:HG23	2.17	0.73
1:A:223:TRP:HD1	1:A:223:TRP:H	1.32	0.72
1:A:821:LEU:HD12	1:A:825:VAL:HB	1.69	0.72
1:A:1165:ALA:O	1:A:1170:LEU:N	2.22	0.72
1:D:547:ALA:O	1:D:551:LYS:HG2	1.89	0.72
1:D:656:TYR:HE1	1:D:743:ASP:CG	1.96	0.72
1:D:1151:LEU:HD23	1:D:1223:ILE:HD11	1.71	0.72
2:E:76:ARG:HG3	2:E:435:MET:SD	2.29	0.72
2:F:342:LEU:O	2:F:342:LEU:HD22	1.88	0.72
1:A:449:GLN:HA	1:A:452:TYR:CE1	2.24	0.72
1:A:580:LEU:HD12	1:A:581:ASP:N	2.04	0.72
1:A:615:SER:HB3	1:A:725:PRO:HB3	1.69	0.72
1:A:616:GLU:HG2	1:A:724:GLY:HA3	1.71	0.72
1:A:784:GLY:N	2:C:363:ARG:HD3	2.02	0.72
1:A:1209:ARG:HH22	2:C:256:LEU:HD23	1.54	0.72
2:B:99:PHE:HE2	2:C:131:LEU:HD11	1.54	0.72
2:B:324:GLY:N	2:B:333:PRO:HD3	2.03	0.72
2:B:338:VAL:C	2:B:339:ASN:HD22	1.97	0.72
1:D:897:TRP:HH2	1:D:1173:LEU:HD13	1.50	0.72
1:D:1113:LEU:N	1:D:1113:LEU:HD23	2.04	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:416:GLY:O	2:F:419:GLU:HB3	1.88	0.72
2:F:424:SER:HB3	2:F:427:GLN:NE2	2.03	0.72
1:A:247:LEU:HD12	1:A:251:THR:HG21	1.71	0.72
1:A:913:CYS:N	1:A:917:GLY:HA3	2.03	0.72
1:A:1026:ARG:O	1:A:1030:ARG:CB	2.37	0.72
2:B:114:TRP:CA	2:B:262:TRP:CZ2	2.71	0.72
1:D:239:LEU:HB3	1:D:242:ALA:HB3	1.72	0.72
1:D:242:ALA:CA	1:D:245:ILE:HG12	2.17	0.72
1:D:453:GLU:O	1:D:457:ARG:HG2	1.90	0.72
1:D:553:LYS:HD3	2:F:468:ILE:HG22	1.70	0.72
1:D:670:PRO:HB2	1:D:672:GLU:O	1.89	0.72
1:D:735:GLY:CA	1:D:749:PHE:HB3	2.18	0.72
2:E:115:TRP:HZ3	2:E:210:GLN:HA	1.54	0.72
2:E:122:ARG:H	2:E:122:ARG:HD2	1.54	0.72
2:E:213:VAL:HG13	2:E:235:THR:CG2	2.18	0.72
2:F:120:VAL:HG23	2:F:121:PHE:N	2.03	0.72
2:F:322:LEU:HD22	2:F:322:LEU:C	2.13	0.72
1:A:73:PRO:O	1:A:74:LEU:HD13	1.90	0.72
1:A:87:ILE:CG2	1:A:88:PHE:N	2.51	0.72
1:A:1131:ILE:HD11	1:A:1133:ILE:CG2	2.18	0.72
2:B:304:TRP:HA	2:B:304:TRP:HE3	1.54	0.72
2:C:325:ARG:HG3	2:C:325:ARG:NH1	1.99	0.72
2:C:435:MET:HE2	2:C:435:MET:CA	2.13	0.72
1:D:115:GLN:HE22	1:D:924:ARG:NH1	1.86	0.72
1:D:633:LYS:HB2	1:D:638:THR:HG21	1.70	0.72
2:F:77:HIS:O	2:F:100:GLY:HA3	1.89	0.72
2:F:186:LEU:HD23	2:F:187:HIS:N	2.03	0.72
2:F:190:LEU:HB3	2:F:314:MET:HE2	1.68	0.72
2:F:342:LEU:CD2	2:F:342:LEU:O	2.37	0.72
2:F:402:LEU:HG	2:F:472:LYS:NZ	2.03	0.72
2:F:474:PHE:CD1	2:F:474:PHE:C	2.68	0.72
1:A:80:SER:OG	1:A:125:LEU:HD11	1.89	0.72
1:A:87:ILE:HG21	1:A:1166:TYR:OH	1.89	0.72
1:A:175:TRP:N	1:A:186:PRO:HB3	2.03	0.72
1:A:451:THR:HG21	1:A:1202:ASN:HB3	1.72	0.72
1:A:566:LEU:HB3	1:A:567:PRO:CD	2.19	0.72
1:A:615:SER:HB2	1:A:725:PRO:CB	2.19	0.72
1:A:753:PRO:HD2	1:A:770:PHE:CG	2.23	0.72
1:A:873:GLU:HB3	1:A:875:LYS:HG3	1.70	0.72
1:A:1002:GLU:HG3	1:A:1003:TRP:CE3	2.24	0.72
1:A:1179:PHE:CB	1:A:1220:ILE:HG12	2.19	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:269:HIS:NE2	1:D:291:PHE:HD2	1.88	0.72
1:D:283:LEU:CD2	1:D:839:ALA:HB3	2.18	0.72
1:D:429:GLU:HG2	1:D:1117:LYS:HE2	1.71	0.72
1:D:443:ARG:HG2	1:D:443:ARG:HH11	1.55	0.72
1:D:597:ARG:O	1:D:599:THR:N	2.22	0.72
1:D:600:PRO:HG2	1:D:616:GLU:HB3	1.72	0.72
1:D:657:ARG:O	1:D:660:CYS:HB3	1.89	0.72
1:D:791:ALA:C	1:D:795:ASN:HD21	1.96	0.72
1:D:997:LEU:CD2	1:D:998:SER:H	2.02	0.72
1:D:1000:GLU:O	1:D:1004:LEU:HD13	1.88	0.72
1:D:1005:VAL:CA	1:D:1008:LEU:HD13	2.15	0.72
1:D:1126:ASP:OD2	1:D:1145:ASP:HB3	1.89	0.72
2:E:307:GLY:HA2	2:E:334:CYS:HB3	1.71	0.72
2:F:403:PHE:CD1	2:F:417:TYR:OH	2.43	0.72
2:F:485:VAL:OXT	2:F:485:VAL:CG2	2.38	0.72
1:A:1020:ILE:CD1	1:A:1021:SER:H	2.02	0.72
2:B:78:PHE:HE1	2:B:103:GLY:HA2	1.52	0.72
2:B:199:LEU:HD23	2:C:77:HIS:HD2	1.53	0.72
2:C:247:THR:CB	2:C:251:TRP:CD1	2.71	0.72
2:C:356:LEU:CB	2:C:359:ASN:ND2	2.39	0.72
1:D:513:LEU:O	1:D:568:GLY:CA	2.38	0.72
1:D:907:PHE:HZ	1:D:1002:GLU:HB3	1.53	0.72
1:D:943:ARG:O	1:D:946:ALA:HB3	1.90	0.72
1:D:1209:ARG:NH2	2:F:256:LEU:HD22	2.05	0.72
1:A:439:GLN:HG3	1:A:836:LEU:N	2.04	0.72
1:A:618:HIS:HA	1:A:762:VAL:HG21	1.72	0.72
1:A:621:GLY:N	1:A:748:TRP:HB3	2.03	0.72
1:A:786:ALA:O	1:A:789:PRO:HD2	1.90	0.72
2:B:217:PRO:C	2:B:231:ILE:HA	2.14	0.72
2:C:303:LEU:HD12	2:C:303:LEU:N	2.05	0.72
2:C:355:GLN:O	2:C:357:THR:N	2.22	0.72
2:C:375:HIS:N	2:C:378:LEU:HD22	2.00	0.72
2:C:485:VAL:CG2	2:C:485:VAL:OXT	2.38	0.72
1:D:119:PRO:C	1:D:121:PRO:HD2	2.15	0.72
1:D:389:PHE:CD1	1:D:390:GLN:N	2.57	0.72
1:D:452:TYR:CB	1:D:801:TRP:NE1	2.48	0.72
1:D:599:THR:HB	1:D:600:PRO:HD3	1.72	0.72
1:D:656:TYR:HB3	1:D:744:ILE:HD12	1.70	0.72
1:D:1113:LEU:HD23	1:D:1113:LEU:H	1.54	0.72
2:E:114:TRP:CH2	2:E:238:SER:O	2.42	0.72
1:A:228:LEU:HD11	1:A:386:ARG:HB3	1.70	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:286:GLY:N	1:A:1128:ARG:NH2	2.37	0.72
1:A:436:PRO:CG	1:A:879:GLN:HB3	2.19	0.72
1:A:503:VAL:HG11	1:A:521:PRO:N	2.04	0.72
1:A:539:PHE:O	1:A:540:GLN:HG2	1.88	0.72
1:A:613:HIS:HB3	1:A:717:LEU:CD2	2.19	0.72
1:A:634:LEU:HB3	1:A:635:PRO:CA	2.19	0.72
1:A:658:LYS:CG	1:A:713:PRO:HB2	2.17	0.72
1:A:879:GLN:HG2	1:A:1189:LEU:HD21	1.72	0.72
1:A:913:CYS:O	1:A:918:TRP:N	2.20	0.72
2:B:67:GLU:HB2	2:B:88:ARG:NH1	2.03	0.72
2:B:299:LEU:HD21	2:B:302:THR:HG23	1.72	0.72
2:B:475:LEU:C	2:B:479:ILE:HD13	2.15	0.72
2:C:243:THR:O	2:C:334:CYS:N	2.22	0.72
2:C:272:ASN:HB3	2:C:292:ASN:HB2	1.72	0.72
1:D:177:ARG:NE	1:D:216:SER:H	1.87	0.72
1:D:265:LEU:HD21	1:D:267:VAL:HA	1.72	0.72
1:D:421:PRO:O	1:D:425:ALA:HB3	1.90	0.72
1:D:620:TRP:NE1	1:D:751:LYS:HB2	2.04	0.72
1:D:795:ASN:HA	1:D:798:ILE:CD1	2.20	0.72
1:D:904:ASP:CG	1:D:915:ALA:HB3	2.15	0.72
1:D:1116:MET:SD	1:D:1153:LEU:HD22	2.30	0.72
2:F:114:TRP:NE1	2:F:259:ARG:NH1	2.36	0.72
2:F:209:ALA:CB	2:F:238:SER:O	2.38	0.72
2:F:305:ASN:HA	2:F:335:VAL:CG1	2.19	0.72
2:F:357:THR:O	2:F:358:GLU:HG2	1.90	0.72
2:F:423:SER:HB2	2:F:427:GLN:OE1	1.90	0.72
1:A:410:GLN:O	1:A:414:PHE:CD2	2.43	0.72
1:A:618:HIS:CE1	1:A:761:ASN:HD22	2.08	0.72
1:A:918:TRP:O	1:A:920:THR:HG22	1.90	0.72
1:A:1113:LEU:HD23	1:A:1113:LEU:N	2.05	0.72
2:B:201:ASN:HB2	2:C:421:MET:HE1	1.70	0.72
2:B:468:ILE:HG23	2:B:468:ILE:O	1.89	0.72
2:C:326:ASP:CG	2:C:327:GLY:N	2.46	0.72
2:C:454:HIS:HB3	2:C:466:MET:O	1.89	0.72
1:D:368:PRO:CA	1:D:369:LEU:HD23	2.19	0.72
1:D:550:GLN:CB	1:D:551:LYS:HE3	2.19	0.72
1:D:959:GLN:CB	1:D:960:PRO:CD	2.67	0.72
1:D:1014:ARG:CD	1:D:1026:ARG:HE	2.02	0.72
1:D:1206:MET:HE2	2:F:257:ARG:NH1	2.04	0.72
1:D:1224:ILE:HD13	1:D:1224:ILE:C	2.15	0.72
2:E:203:ARG:NH1	2:F:418:LEU:HD22	1.99	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:218:VAL:C	2:E:230:SER:HG	1.97	0.72
2:E:382:LYS:CG	2:E:383:VAL:N	2.47	0.72
2:F:360:SER:HB3	2:F:364:LYS:HD2	1.72	0.72
1:A:253:ALA:HB2	1:A:280:GLU:C	2.15	0.72
1:A:739:TYR:C	1:A:741:ASP:N	2.45	0.72
1:A:866:ARG:O	1:A:866:ARG:HD3	1.89	0.72
1:A:887:VAL:CG2	1:A:1146:ARG:NH1	2.51	0.72
1:A:890:ASP:CG	1:A:1191:LYS:NZ	2.47	0.72
1:A:893:SER:HB2	1:A:896:LEU:HD23	1.71	0.72
1:A:955:TYR:CD2	1:A:1098:ASN:OD1	2.42	0.72
1:A:1056:GLU:HA	1:A:1059:ASN:HD21	1.52	0.72
1:A:1170:LEU:O	1:A:1170:LEU:HD13	1.87	0.72
1:A:1193:VAL:HG23	1:A:1194:THR:N	2.03	0.72
2:B:371:VAL:CA	2:B:433:ASP:HB3	2.04	0.72
2:B:403:PHE:CE1	2:B:415:PRO:HD3	2.24	0.72
2:C:180:LYS:O	2:C:181:LEU:HD23	1.88	0.72
2:C:186:LEU:HD23	2:C:187:HIS:N	2.05	0.72
2:C:190:LEU:CB	2:C:314:MET:HE2	2.20	0.72
2:C:374:LEU:CD1	2:C:379:ALA:HA	2.19	0.72
1:D:371:LYS:HG3	1:D:396:CYS:CA	2.19	0.72
1:D:719:LEU:HG	1:D:720:THR:H	1.55	0.72
1:D:1006:ARG:NH2	1:D:1010:LEU:HD11	2.05	0.72
2:E:79:LEU:HA	2:E:100:GLY:H	1.55	0.72
2:E:255:TRP:HA	2:E:255:TRP:CE3	2.23	0.72
2:E:391:PRO:HG2	2:E:395:LEU:H	1.54	0.72
2:E:410:GLY:C	2:E:411:ILE:HD12	2.15	0.72
2:E:423:SER:O	2:E:424:SER:HB3	1.89	0.72
2:F:342:LEU:HB2	2:F:344:ARG:CD	2.20	0.72
1:A:452:TYR:N	1:A:869:ARG:NH2	2.37	0.71
1:A:955:TYR:CE2	1:A:1102:GLN:NE2	2.58	0.71
1:A:955:TYR:HD2	1:A:1098:ASN:OD1	1.72	0.71
1:A:1187:ARG:NH2	1:A:1212:ILE:O	2.23	0.71
2:B:234:LYS:O	2:B:236:GLU:HG3	1.89	0.71
2:B:469:SER:C	2:B:471:LEU:N	2.47	0.71
2:C:92:LEU:HD21	2:C:344:ARG:HE	1.55	0.71
2:C:344:ARG:HA	2:C:347:LEU:CG	2.20	0.71
2:C:372:LEU:HD21	2:C:436:SER:HB2	1.72	0.71
2:C:383:VAL:HG23	2:C:439:PHE:O	1.89	0.71
2:C:430:SER:O	2:C:434:GLU:CG	2.37	0.71
1:D:275:ARG:CZ	1:D:843:GLN:H	2.01	0.71
1:D:744:ILE:HG12	1:D:745:PRO:CD	2.20	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:865:ALA:CB	1:D:1197:CYS:SG	2.78	0.71
1:D:884:TYR:OH	1:D:1142:ARG:NH1	2.23	0.71
1:D:960:PRO:HA	1:D:963:GLU:CG	2.19	0.71
1:D:976:GLN:O	1:D:980:GLU:HG3	1.89	0.71
1:D:1015:THR:HG23	1:D:1026:ARG:HB2	1.70	0.71
2:F:127:PRO:CD	2:F:128:VAL:N	2.48	0.71
2:F:185:LEU:HD12	2:F:236:GLU:HB2	1.72	0.71
2:F:402:LEU:O	2:F:406:LEU:HD13	1.89	0.71
1:A:515:ILE:HG22	1:A:516:GLU:N	2.04	0.71
1:A:564:GLN:HE21	1:A:564:GLN:N	1.87	0.71
2:B:475:LEU:O	2:B:479:ILE:N	2.19	0.71
2:C:476:ILE:HD13	2:C:477:LYS:N	2.03	0.71
1:D:145:LYS:O	1:D:149:PRO:CD	2.37	0.71
1:D:281:GLN:HE21	1:D:287:SER:CB	2.03	0.71
1:D:845:VAL:HB	1:D:855:VAL:CG2	2.20	0.71
1:D:865:ALA:HA	1:D:872:SER:CA	2.20	0.71
1:D:923:GLY:C	1:D:931:LEU:HD11	2.15	0.71
2:E:336:LEU:HD23	2:E:337:SER:H	1.54	0.71
2:E:350:LEU:HD23	2:E:350:LEU:O	1.90	0.71
2:E:431:LYS:O	2:E:433:ASP:N	2.23	0.71
2:F:458:ARG:NE	2:F:459:ASP:O	2.20	0.71
1:A:129:PRO:O	1:A:131:TYR:CZ	2.44	0.71
1:A:157:LEU:HD11	1:A:195:LEU:HA	1.70	0.71
1:A:389:PHE:CD1	1:A:390:GLN:N	2.58	0.71
2:B:93:SER:C	2:B:95:CYS:H	1.98	0.71
2:B:122:ARG:HB2	2:B:124:GLN:HE21	1.55	0.71
2:B:199:LEU:HD13	2:B:200:VAL:HG13	1.70	0.71
2:B:213:VAL:HG11	2:C:132:HIS:CE1	2.25	0.71
2:B:417:TYR:O	2:B:419:GLU:N	2.22	0.71
1:D:279:ARG:HH21	1:D:844:VAL:CG2	2.02	0.71
1:D:626:GLY:O	1:D:627:ARG:HB3	1.89	0.71
1:D:1027:LYS:HB2	1:D:1096:ARG:HG3	1.70	0.71
2:F:354:PHE:CZ	2:F:370:LYS:HD3	2.25	0.71
1:A:444:TYR:CE1	1:A:1206:MET:SD	2.83	0.71
1:A:612:LEU:CD2	1:A:620:TRP:HA	2.20	0.71
1:A:753:PRO:HB2	1:A:770:PHE:CZ	2.24	0.71
1:A:897:TRP:HE1	1:A:901:VAL:HG13	1.54	0.71
1:A:1040:LYS:HB3	1:A:1044:VAL:HG11	1.72	0.71
2:B:78:PHE:O	2:B:79:LEU:HB2	1.89	0.71
1:D:260:ASP:OD2	1:D:261:TRP:CE2	2.44	0.71
1:D:367:PRO:CD	1:D:368:PRO:CD	2.54	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:457:ARG:HH11	1:D:457:ARG:CB	2.04	0.71
1:D:714:GLY:O	1:D:716:PRO:HD3	1.89	0.71
1:D:1108:TYR:HA	1:D:1164:PHE:CE1	2.25	0.71
2:F:115:TRP:HH2	2:F:210:GLN:HG2	1.53	0.71
1:A:270:ASN:C	1:A:271:VAL:HG23	2.16	0.71
1:A:348:LEU:HD13	1:A:350:ILE:HD13	1.72	0.71
1:A:476:GLY:CA	1:A:711:ALA:HB1	2.19	0.71
1:A:1141:VAL:HG12	1:A:1142:ARG:O	1.91	0.71
2:B:308:ASP:HB3	2:B:309:HIS:CE1	2.25	0.71
2:C:317:GLY:HA3	2:C:320:SER:CB	2.19	0.71
2:C:396:ARG:HH11	2:C:397:GLN:CA	2.02	0.71
1:D:474:LEU:HD12	1:D:474:LEU:H	1.55	0.71
1:D:564:GLN:C	1:D:566:LEU:O	2.32	0.71
1:D:1008:LEU:O	1:D:1012:VAL:HG22	1.89	0.71
2:E:129:ASP:CG	2:F:98:GLY:HA3	2.14	0.71
2:F:254:PHE:HE2	2:F:255:TRP:CE2	2.09	0.71
2:F:354:PHE:HE1	2:F:370:LYS:HB3	1.55	0.71
1:A:80:SER:OG	1:A:125:LEU:HD21	1.90	0.71
1:A:605:LEU:HA	1:A:781:ALA:CB	2.20	0.71
1:A:623:LEU:HD22	1:A:667:GLN:OE1	1.90	0.71
1:A:1019:TRP:HD1	1:A:1020:ILE:HG22	1.55	0.71
1:A:1131:ILE:HG21	1:A:1137:VAL:CA	2.19	0.71
2:C:236:GLU:HA	2:C:341:ASP:CG	2.16	0.71
2:C:242:PHE:HA	2:C:334:CYS:O	1.91	0.71
2:C:317:GLY:HA2	2:C:320:SER:HB2	1.73	0.71
2:C:468:ILE:HG13	2:C:472:LYS:HE3	1.72	0.71
1:D:1186:ASP:OD1	1:D:1187:ARG:N	2.23	0.71
2:E:441:VAL:HG12	2:E:442:LEU:N	2.06	0.71
2:F:67:GLU:O	2:F:71:GLU:HB3	1.90	0.71
2:F:267:ALA:HB3	2:F:270:PRO:HB3	1.72	0.71
1:A:297:MET:SD	1:A:411:LEU:CD2	2.77	0.71
1:A:496:LYS:O	1:A:516:GLU:HB2	1.90	0.71
1:A:576:LEU:HD12	1:A:577:CYS:HB2	1.71	0.71
1:A:606:THR:HG23	1:A:613:HIS:N	2.05	0.71
2:B:231:ILE:HD11	2:C:135:PRO:HG3	1.72	0.71
2:C:388:GLY:CA	2:C:444:THR:HG22	2.20	0.71
1:D:275:ARG:CZ	1:D:843:GLN:N	2.53	0.71
1:D:553:LYS:HD3	2:F:468:ILE:CG2	2.20	0.71
1:D:827:ARG:HD3	1:D:828:HIS:N	2.06	0.71
1:D:885:THR:HG22	1:D:1186:ASP:O	1.91	0.71
1:D:1206:MET:CE	1:D:1210:TYR:HA	2.20	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:132:HIS:HB2	2:F:233:GLU:CD	2.16	0.71
1:A:348:LEU:O	1:A:350:ILE:N	2.23	0.71
1:A:458:GLU:O	1:A:461:LYS:HG2	1.90	0.71
1:A:482:ASP:OD2	1:A:483:PRO:HD2	1.89	0.71
1:A:1068:ASP:N	1:A:1071:ARG:CG	2.50	0.71
1:A:1153:LEU:HD13	1:A:1157:ASN:HD21	1.55	0.71
2:B:114:TRP:HE1	2:B:259:ARG:NE	1.88	0.71
2:B:211:ILE:HG12	2:B:237:ALA:CB	2.18	0.71
2:C:342:LEU:HB2	2:C:344:ARG:CD	2.19	0.71
1:D:190:PRO:C	1:D:192:GLU:N	2.44	0.71
1:D:305:SER:HB2	1:D:308:GLN:OE1	1.89	0.71
1:D:546:ARG:C	1:D:551:LYS:NZ	2.49	0.71
1:D:858:THR:HB	1:D:859:TRP:CD1	2.25	0.71
2:E:86:LEU:HA	2:E:90:SER:CB	2.20	0.71
2:E:254:PHE:CE1	2:E:258:HIS:HB2	2.26	0.71
2:E:422:GLN:HG2	2:E:424:SER:N	2.03	0.71
2:F:209:ALA:CB	2:F:239:LEU:HA	2.21	0.71
2:F:456:ARG:CG	2:F:457:SER:H	1.94	0.71
1:A:174:GLY:HA2	1:A:220:TRP:N	2.04	0.71
1:A:468:ASN:HD21	1:A:578:PRO:HG3	1.56	0.71
1:A:577:CYS:CB	1:A:578:PRO:HD3	2.21	0.71
1:A:719:LEU:N	1:A:719:LEU:HD23	2.04	0.71
1:A:853:ARG:HH22	1:A:1105:ALA:CB	2.04	0.71
1:A:1025:LEU:O	1:A:1026:ARG:HG3	1.89	0.71
1:A:1200:PRO:HB2	1:A:1202:ASN:O	1.89	0.71
2:B:248:SER:O	2:B:252:LEU:HB2	1.91	0.71
2:C:125:VAL:CG2	2:C:208:LEU:HA	2.09	0.71
2:C:354:PHE:CZ	2:C:370:LYS:HD3	2.26	0.71
1:D:224:CYS:C	1:D:228:LEU:HD23	2.15	0.71
1:D:255:SER:OG	1:D:258:GLN:N	2.21	0.71
1:D:277:HIS:HB3	1:D:291:PHE:CE2	2.26	0.71
1:D:633:LYS:HB3	1:D:638:THR:HG21	1.72	0.71
1:D:798:ILE:CG2	1:D:869:ARG:HH22	1.97	0.71
1:D:914:THR:OG1	1:D:999:ASP:CG	2.34	0.71
1:D:1131:ILE:HD11	1:D:1138:ARG:CB	2.19	0.71
2:E:109:ASN:HD22	2:E:378:LEU:C	1.99	0.71
2:E:199:LEU:HG	2:E:200:VAL:N	2.04	0.71
2:E:387:VAL:O	2:E:442:LEU:HD22	1.91	0.71
2:F:190:LEU:HB2	2:F:314:MET:HE2	1.73	0.71
1:A:188:ALA:O	1:A:189:ILE:CG2	2.37	0.71
1:A:298:HIS:ND1	1:A:299:MET:N	2.38	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:436:PRO:HB2	1:A:879:GLN:CA	2.15	0.71
1:A:444:TYR:OH	1:A:1200:PRO:HG3	1.90	0.71
1:A:522:GLY:C	1:A:524:PRO:HD3	2.16	0.71
1:A:1066:THR:OG1	1:A:1073:PRO:CD	2.39	0.71
1:A:1124:ALA:HB1	1:A:1148:ARG:HG2	1.71	0.71
1:A:1141:VAL:HG11	1:A:1146:ARG:HA	1.73	0.71
2:C:120:VAL:HG23	2:C:121:PHE:N	2.06	0.71
2:C:240:VAL:HA	2:C:336:LEU:HB3	1.73	0.71
2:C:241:TRP:CA	2:C:336:LEU:HB2	2.21	0.71
2:C:247:THR:CB	2:C:251:TRP:HD1	2.03	0.71
1:D:78:MET:CB	1:D:1175:GLN:HB3	2.19	0.71
1:D:193:ARG:NH1	1:D:193:ARG:CA	2.54	0.71
1:D:420:HIS:NE2	1:D:1020:ILE:CG2	2.53	0.71
1:D:479:TYR:CD1	1:D:480:LYS:HG3	2.26	0.71
1:D:510:ALA:O	1:D:512:LYS:N	2.24	0.71
1:D:656:TYR:HD1	1:D:744:ILE:HD12	1.53	0.71
1:D:765:PRO:HG2	1:D:766:PHE:CD1	2.26	0.71
1:D:815:TRP:HA	1:D:838:GLY:CA	2.20	0.71
1:D:1165:ALA:HB3	1:D:1166:TYR:HE1	1.56	0.71
2:E:353:SER:OG	2:E:374:LEU:HG	1.88	0.71
2:E:377:CYS:HB3	2:E:483:LYS:HE3	1.72	0.71
2:E:382:LYS:CG	2:E:412:SER:HB2	2.16	0.71
2:F:421:MET:HG3	2:F:422:GLN:H	1.56	0.71
2:F:445:GLU:C	2:F:447:THR:N	2.43	0.71
1:A:214:ALA:CB	1:A:219:ALA:HB3	2.20	0.70
1:A:247:LEU:HD23	1:A:248:GLU:OE1	1.91	0.70
1:A:346:ASP:CB	1:A:1040:LYS:HZ3	2.00	0.70
1:A:436:PRO:HD2	1:A:879:GLN:CD	2.15	0.70
1:A:767:ALA:O	1:A:771:LEU:HB2	1.91	0.70
1:A:950:ASN:HA	1:A:953:ARG:HG3	1.73	0.70
1:A:1029:GLN:NE2	1:A:1096:ARG:CZ	2.54	0.70
1:A:1043:VAL:HG22	1:A:1046:GLU:HB2	1.72	0.70
2:B:259:ARG:HB3	2:B:259:ARG:HH11	1.56	0.70
2:C:200:VAL:O	2:C:203:ARG:HB2	1.90	0.70
2:C:241:TRP:HB2	2:C:336:LEU:CG	2.21	0.70
1:D:79:LEU:HB3	1:D:83:LEU:HD11	1.73	0.70
1:D:458:GLU:OE2	2:F:264:ARG:HB3	1.90	0.70
1:D:550:GLN:N	1:D:551:LYS:CE	2.54	0.70
1:D:754:HIS:O	1:D:758:ASN:N	2.21	0.70
1:D:922:GLN:CG	1:D:931:LEU:HD13	2.18	0.70
2:E:79:LEU:O	2:E:100:GLY:HA3	1.91	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:239:LEU:HD23	2:E:338:VAL:HG21	1.72	0.70
2:E:294:PRO:HD2	2:E:351:TYR:CE2	2.25	0.70
2:E:307:GLY:HA2	2:E:334:CYS:CB	2.21	0.70
1:A:630:ASN:HD22	1:A:631:LEU:N	1.90	0.70
2:B:202:LYS:O	2:B:325:ARG:CZ	2.39	0.70
2:B:383:VAL:HG22	2:B:384:ALA:H	1.56	0.70
2:B:387:VAL:HG11	2:B:396:ARG:HB2	1.73	0.70
2:C:302:THR:C	2:C:303:LEU:HD12	2.16	0.70
1:D:265:LEU:HD21	1:D:267:VAL:CA	2.21	0.70
1:D:297:MET:SD	1:D:415:LEU:HD22	2.31	0.70
1:D:417:ARG:C	1:D:418:CYS:SG	2.74	0.70
1:D:1014:ARG:HD3	1:D:1026:ARG:NE	2.06	0.70
1:D:1232:GLU:HG3	1:D:1234:ARG:NE	2.06	0.70
2:E:320:SER:O	2:E:323:HIS:HD2	1.73	0.70
2:E:424:SER:C	2:E:428:LEU:HD11	2.16	0.70
2:F:336:LEU:HD23	2:F:337:SER:C	2.16	0.70
1:A:298:HIS:HE2	1:A:351:SER:C	2.00	0.70
1:A:346:ASP:HB3	1:A:1040:LYS:HZ2	1.53	0.70
1:A:439:GLN:CG	1:A:836:LEU:N	2.54	0.70
1:A:472:GLN:CG	2:C:460:THR:HA	2.20	0.70
1:A:549:LEU:HD23	1:A:552:LEU:HD12	1.73	0.70
1:A:608:ASP:HB3	1:A:779:LEU:CG	2.21	0.70
1:A:634:LEU:HD12	1:A:638:THR:HB	1.72	0.70
1:A:813:VAL:HG22	1:A:814:VAL:N	2.06	0.70
1:A:933:SER:HA	1:A:943:ARG:HG2	1.71	0.70
1:A:1037:GLN:C	1:A:1039:LYS:N	2.46	0.70
2:B:373:LYS:HA	2:B:458:ARG:CZ	2.22	0.70
2:C:239:LEU:O	2:C:338:VAL:HG12	1.92	0.70
1:D:576:LEU:HD12	1:D:577:CYS:N	2.06	0.70
1:D:732:TYR:N	1:D:732:TYR:CD2	2.59	0.70
1:D:801:TRP:HH2	1:D:805:HIS:CG	2.08	0.70
2:E:203:ARG:HH12	2:F:418:LEU:CD2	1.99	0.70
2:F:243:THR:OG1	2:F:334:CYS:CB	2.39	0.70
2:F:254:PHE:N	2:F:257:ARG:HH21	1.89	0.70
1:A:247:LEU:CD1	1:A:251:THR:HG21	2.21	0.70
1:A:355:SER:HA	1:A:407:PHE:CE1	2.26	0.70
1:A:515:ILE:CD1	1:A:568:GLY:O	2.40	0.70
1:A:627:ARG:O	1:A:628:ARG:HB3	1.90	0.70
1:A:655:LEU:O	1:A:719:LEU:HD12	1.91	0.70
1:A:771:LEU:H	1:A:771:LEU:CD2	2.02	0.70
1:A:885:THR:C	1:A:1146:ARG:HE	1.99	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:299:LEU:HD23	2:C:299:LEU:H	1.54	0.70
2:C:439:PHE:CD1	2:C:458:ARG:HB2	2.25	0.70
2:C:470:LYS:HE3	2:C:471:LEU:HD21	1.74	0.70
1:D:203:LEU:CB	1:D:380:GLY:HA3	2.17	0.70
1:D:225:SER:HA	1:D:228:LEU:HD21	1.72	0.70
1:D:374:ARG:CB	1:D:392:LEU:HD11	2.21	0.70
1:D:598:VAL:HG12	1:D:602:LEU:HD11	1.73	0.70
1:D:885:THR:HB	1:D:1146:ARG:CD	2.17	0.70
1:D:1192:GLU:HG2	1:D:1192:GLU:O	1.89	0.70
2:E:109:ASN:ND2	2:E:378:LEU:HB3	2.06	0.70
2:E:249:ASN:HD21	2:E:285:LYS:CE	1.97	0.70
2:F:239:LEU:H	2:F:338:VAL:HG13	1.55	0.70
2:F:454:HIS:CB	2:F:466:MET:CB	2.66	0.70
1:A:1212:ILE:CG2	1:A:1213:PRO:N	2.55	0.70
2:C:114:TRP:CD1	2:C:259:ARG:HH22	2.09	0.70
2:C:214:CYS:SG	2:C:236:GLU:HG3	2.32	0.70
2:C:471:LEU:HA	2:C:474:PHE:HD2	1.54	0.70
1:D:266:VAL:O	1:D:266:VAL:HG13	1.91	0.70
1:D:278:ILE:HD13	1:D:291:PHE:HD1	1.55	0.70
1:D:401:TRP:HA	1:D:404:HIS:CD2	2.26	0.70
1:D:481:GLU:O	1:D:482:ASP:CG	2.34	0.70
1:D:576:LEU:CG	1:D:579:ARG:HE	2.05	0.70
1:D:623:LEU:O	1:D:623:LEU:HG	1.89	0.70
1:D:1158:LEU:HG	1:D:1159:LEU:H	1.56	0.70
2:E:441:VAL:HG12	2:E:442:LEU:H	1.57	0.70
1:A:125:LEU:CD2	1:A:125:LEU:N	2.50	0.70
1:A:239:LEU:O	1:A:241:PRO:CD	2.38	0.70
1:A:616:GLU:CD	1:A:724:GLY:H	2.00	0.70
1:A:1019:TRP:HZ3	1:A:1164:PHE:HA	1.56	0.70
1:A:1066:THR:OG1	1:A:1071:ARG:HB3	1.91	0.70
2:C:125:VAL:HG23	2:C:126:PHE:H	1.57	0.70
1:D:127:LEU:CD2	1:D:129:PRO:HD3	2.20	0.70
1:D:474:LEU:H	1:D:474:LEU:CD1	2.04	0.70
1:D:601:LYS:HG2	1:D:721:ALA:CB	2.21	0.70
1:D:603:MET:HB3	1:D:605:LEU:CD2	2.22	0.70
1:D:711:ALA:C	1:D:713:PRO:HD3	2.16	0.70
1:D:900:ALA:C	1:D:915:ALA:HB1	2.16	0.70
1:D:918:TRP:C	1:D:920:THR:N	2.41	0.70
2:E:118:VAL:HG13	2:E:119:VAL:H	1.57	0.70
1:A:169:TRP:CE3	1:A:390:GLN:O	2.45	0.70
1:A:606:THR:HG22	1:A:614:TYR:CD2	2.27	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:869:ARG:HG3	1:A:869:ARG:NH1	2.06	0.70
2:B:199:LEU:CD1	2:B:200:VAL:HG13	2.22	0.70
2:C:207:GLY:HA2	2:C:240:VAL:O	1.91	0.70
2:C:342:LEU:HB2	2:C:344:ARG:HB2	1.74	0.70
2:C:393:LEU:O	2:C:397:GLN:N	2.23	0.70
2:C:455:LEU:CA	2:C:456:ARG:HE	2.04	0.70
1:D:612:LEU:HD13	1:D:612:LEU:H	1.53	0.70
2:E:114:TRP:HH2	2:E:238:SER:O	1.75	0.70
2:E:326:ASP:H	2:E:331:VAL:HG12	1.55	0.70
2:E:430:SER:O	2:E:434:GLU:HG2	1.91	0.70
2:F:277:ASP:CG	2:F:287:ASN:HB3	2.15	0.70
1:A:282:TYR:O	1:A:283:LEU:CB	2.39	0.70
1:A:412:PRO:CG	1:A:413:LEU:H	2.05	0.70
1:A:448:ALA:CA	1:A:870:VAL:HG13	2.21	0.70
1:A:783:PRO:HG2	2:C:363:ARG:NH1	2.07	0.70
2:B:204:LEU:HD12	2:B:325:ARG:N	2.05	0.70
1:D:371:LYS:CA	1:D:374:ARG:HD2	2.22	0.70
1:D:420:HIS:CD2	1:D:1020:ILE:CD1	2.69	0.70
1:D:456:GLN:C	1:D:460:LYS:HZ2	1.97	0.70
1:D:607:TRP:HD1	1:D:779:LEU:HA	1.56	0.70
1:D:955:TYR:HB3	1:D:1098:ASN:CG	2.16	0.70
1:D:1049:TRP:C	1:D:1052:GLY:H	1.99	0.70
2:F:446:THR:CG2	2:F:450:ASN:OD1	2.35	0.70
2:F:452:LEU:O	2:F:453:ILE:CG1	2.39	0.70
1:A:192:GLU:HB3	1:A:217:PRO:CG	2.18	0.70
1:A:211:LEU:HD12	1:A:221:TYR:HB3	1.73	0.70
1:A:402:ALA:O	1:A:406:VAL:HG13	1.92	0.70
1:A:417:ARG:HG2	1:A:417:ARG:HH11	1.57	0.70
1:A:451:THR:HG21	1:A:1202:ASN:CB	2.22	0.70
1:A:830:ASP:C	1:A:831:TYR:HD1	2.00	0.70
1:A:831:TYR:N	1:A:831:TYR:CD1	2.59	0.70
1:A:900:ALA:CA	1:A:915:ALA:HB1	2.22	0.70
2:B:117:SER:HB2	2:B:262:TRP:HE1	1.54	0.70
2:B:215:PHE:O	2:B:216:HIS:HB2	1.91	0.70
2:C:200:VAL:HG11	2:C:204:LEU:HB2	1.74	0.70
2:C:263:TRP:CZ2	2:C:301:GLU:OE2	2.45	0.70
2:C:344:ARG:HA	2:C:347:LEU:CD2	2.22	0.70
2:C:375:HIS:ND1	2:C:376:PRO:HD2	2.06	0.70
2:C:389:ARG:CZ	2:C:390:GLY:HA3	2.20	0.70
1:D:107:LEU:N	1:D:107:LEU:HD23	2.06	0.70
1:D:121:PRO:CB	1:D:1175:GLN:HE22	2.04	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:407:PHE:CD1	1:D:407:PHE:C	2.70	0.70
1:D:616:GLU:C	1:D:617:ARG:HG3	2.16	0.70
1:D:633:LYS:CD	1:D:638:THR:HG21	2.22	0.70
1:D:737:GLY:O	1:D:741:ASP:OD1	2.10	0.70
1:D:774:MET:O	1:D:779:LEU:O	2.10	0.70
1:D:832:ASP:O	1:D:833:GLU:HB2	1.92	0.70
1:D:889:ALA:HB3	1:D:1180:PHE:CE1	2.27	0.70
1:D:993:ARG:O	1:D:993:ARG:HD3	1.92	0.70
1:D:1118:TRP:O	1:D:1122:GLU:HG2	1.92	0.70
2:E:323:HIS:O	2:E:324:GLY:C	2.34	0.70
2:F:241:TRP:HZ3	2:F:255:TRP:CE2	2.08	0.70
1:A:174:GLY:O	1:A:175:TRP:CG	2.44	0.70
1:A:821:LEU:CD1	1:A:825:VAL:HB	2.22	0.70
1:A:827:ARG:HA	1:A:831:TYR:OH	1.91	0.70
1:A:1031:GLU:O	1:A:1032:THR:HB	1.91	0.70
2:C:127:PRO:CD	2:C:128:VAL:H	1.98	0.70
1:D:203:LEU:O	1:D:204:ALA:C	2.35	0.70
1:D:267:VAL:HG21	1:D:291:PHE:HE2	1.56	0.70
1:D:294:THR:CG2	1:D:407:PHE:CE2	2.70	0.70
1:D:374:ARG:HG2	1:D:374:ARG:HH11	1.57	0.70
1:D:500:ALA:HB2	1:D:521:PRO:HG3	1.72	0.70
1:D:527:GLN:HE21	1:D:528:GLU:HB3	1.56	0.70
1:D:569:HIS:N	1:D:570:PRO:CD	2.55	0.70
1:D:933:SER:HB2	1:D:943:ARG:CD	2.20	0.70
1:D:944:GLU:HB3	1:D:1071:ARG:HD3	1.74	0.70
1:D:1014:ARG:HD3	1:D:1026:ARG:CG	2.21	0.70
1:D:1198:LYS:HD2	1:D:1204:THR:HB	1.73	0.70
2:E:437:ILE:HD12	2:E:437:ILE:N	2.04	0.70
2:F:114:TRP:CD1	2:F:259:ARG:HH12	2.09	0.70
2:F:213:VAL:HA	2:F:235:THR:HA	1.72	0.70
2:F:342:LEU:HB2	2:F:344:ARG:HD3	1.72	0.70
2:F:382:LYS:HD3	2:F:411:ILE:CG1	2.18	0.70
2:F:449:GLU:C	2:F:449:GLU:CD	2.59	0.70
2:F:467:HIS:HB3	2:F:470:LYS:HE2	1.74	0.70
2:F:471:LEU:CD1	2:F:471:LEU:H	1.67	0.70
1:A:77:GLN:HB2	1:A:1174:PRO:HB3	1.72	0.69
1:A:107:LEU:HB2	1:A:113:TRP:HE1	1.54	0.69
1:A:211:LEU:HG	1:A:221:TYR:HB3	1.74	0.69
1:A:886:LEU:HD23	1:A:886:LEU:N	2.07	0.69
1:A:927:ARG:CG	1:A:928:GLY:N	2.53	0.69
1:D:370:GLU:O	1:D:371:LYS:HB2	1.92	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:600:PRO:CG	1:D:616:GLU:HB3	2.21	0.69
2:E:79:LEU:C	2:E:100:GLY:HA3	2.17	0.69
2:E:88:ARG:N	2:E:88:ARG:HD3	2.07	0.69
2:F:342:LEU:CB	2:F:344:ARG:HD3	2.22	0.69
2:F:485:VAL:OXT	2:F:485:VAL:HG22	1.90	0.69
1:A:869:ARG:CA	1:A:1200:PRO:HA	2.22	0.69
1:A:891:VAL:CA	1:A:1180:PHE:HE1	2.03	0.69
1:A:1209:ARG:HH12	2:C:256:LEU:HB3	1.57	0.69
2:B:394:GLU:O	2:B:398:VAL:HG23	1.92	0.69
2:C:241:TRP:HZ3	2:C:255:TRP:NE1	1.89	0.69
1:D:205:GLU:OE1	1:D:205:GLU:HA	1.91	0.69
1:D:256:PRO:HB3	1:D:281:GLN:CG	2.22	0.69
1:D:381:THR:CG2	1:D:385:ILE:HB	2.21	0.69
1:D:436:PRO:O	1:D:879:GLN:HB3	1.92	0.69
1:D:658:LYS:HE3	1:D:713:PRO:CB	2.21	0.69
1:D:660:CYS:HB2	1:D:745:PRO:CD	2.21	0.69
1:D:845:VAL:HG23	1:D:855:VAL:HB	1.74	0.69
1:D:1008:LEU:HA	1:D:1011:PRO:HG3	1.73	0.69
2:F:81:GLY:HA3	2:F:97:PRO:HB2	1.75	0.69
2:F:94:GLY:HA2	2:F:96:HIS:CE1	2.27	0.69
1:A:271:VAL:C	1:A:275:ARG:HD3	2.18	0.69
1:A:483:PRO:HB3	1:A:712:VAL:HG11	1.73	0.69
1:A:540:GLN:O	1:A:543:VAL:HG12	1.93	0.69
1:A:608:ASP:C	1:A:620:TRP:CH2	2.71	0.69
1:A:869:ARG:O	1:A:1200:PRO:HA	1.91	0.69
1:A:886:LEU:N	1:A:1146:ARG:HH21	1.88	0.69
1:A:992:LEU:HD12	1:A:993:ARG:H	1.56	0.69
1:A:1200:PRO:C	1:A:1202:ASN:N	2.42	0.69
2:C:251:TRP:HA	2:C:251:TRP:HE3	1.57	0.69
2:C:363:ARG:HA	2:C:363:ARG:NH1	2.05	0.69
2:C:403:PHE:HD2	2:C:403:PHE:C	2.00	0.69
2:C:435:MET:O	2:C:436:SER:HB3	1.90	0.69
2:C:474:PHE:C	2:C:474:PHE:CD1	2.70	0.69
1:D:177:ARG:O	1:D:179:GLY:N	2.25	0.69
1:D:798:ILE:CA	1:D:869:ARG:CZ	2.69	0.69
1:D:891:VAL:HG11	1:D:1135:ASP:CA	2.22	0.69
1:D:1111:LEU:HD22	1:D:1164:PHE:CE1	2.28	0.69
2:E:214:CYS:HB2	2:E:236:GLU:HB2	1.73	0.69
2:E:387:VAL:CG1	2:E:416:GLY:HA3	2.23	0.69
2:F:113:GLU:O	2:F:116:THR:HG23	1.93	0.69
2:F:389:ARG:O	2:F:392:THR:HA	1.92	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:195:LEU:HD23	1:A:217:PRO:HD2	1.73	0.69
1:A:211:LEU:CG	1:A:221:TYR:HB3	2.22	0.69
1:A:634:LEU:CG	1:A:635:PRO:HA	2.22	0.69
1:A:658:LYS:O	1:A:662:GLU:HG2	1.93	0.69
1:A:737:GLY:O	1:A:741:ASP:OD2	2.10	0.69
1:A:827:ARG:HG3	1:A:828:HIS:N	2.08	0.69
2:B:269:SER:HB2	2:B:352:ASP:OD1	1.92	0.69
2:C:134:LYS:HB3	2:C:180:LYS:CE	2.23	0.69
2:C:403:PHE:O	2:C:407:LEU:N	2.23	0.69
1:D:516:GLU:HA	1:D:565:HIS:CE1	2.26	0.69
1:D:556:THR:OG1	2:F:452:LEU:CD2	2.41	0.69
2:E:455:LEU:HD23	2:E:464:GLU:O	1.91	0.69
1:A:192:GLU:CA	1:A:217:PRO:HG2	2.22	0.69
1:A:490:TRP:CE2	1:A:596:MET:HE2	2.27	0.69
1:A:732:TYR:HE1	1:A:755:LYS:CA	2.03	0.69
1:A:1122:GLU:C	1:A:1123:PHE:CD1	2.70	0.69
2:B:72:ILE:HD12	2:B:372:LEU:HD11	1.74	0.69
2:B:261:GLN:CA	2:B:264:ARG:HE	2.05	0.69
2:C:317:GLY:C	2:C:319:VAL:N	2.47	0.69
1:D:348:LEU:HD11	1:D:350:ILE:HD11	1.75	0.69
1:D:788:GLY:O	1:D:791:ALA:N	2.24	0.69
1:D:887:VAL:CG2	1:D:1146:ARG:CZ	2.69	0.69
1:D:944:GLU:CD	1:D:1071:ARG:NH1	2.51	0.69
1:D:1209:ARG:NH2	2:F:253:ASP:N	2.40	0.69
2:E:85:GLN:HB3	2:E:97:PRO:HG3	1.75	0.69
2:E:116:THR:O	2:E:120:VAL:HG12	1.92	0.69
2:F:254:PHE:HE2	2:F:255:TRP:CZ2	2.11	0.69
2:F:445:GLU:C	2:F:447:THR:H	1.98	0.69
1:A:115:GLN:N	1:A:116:PRO:CD	2.56	0.69
1:A:653:GLU:HG3	1:A:656:TYR:HE1	1.58	0.69
1:A:769:ASP:O	1:A:773:LYS:HG3	1.91	0.69
1:A:792:LEU:HA	1:A:795:ASN:OD1	1.91	0.69
1:A:1199:THR:HA	1:A:1201:SER:N	2.07	0.69
2:B:78:PHE:CG	2:B:102:LEU:HB2	2.27	0.69
2:B:324:GLY:CA	2:B:325:ARG:NH2	2.55	0.69
2:C:439:PHE:HD1	2:C:458:ARG:HG3	1.54	0.69
2:C:455:LEU:N	2:C:455:LEU:HD12	2.08	0.69
1:D:85:GLU:OE1	1:D:130:LEU:HD22	1.92	0.69
1:D:127:LEU:HD22	1:D:129:PRO:CD	2.22	0.69
1:D:289:MET:HE1	1:D:290:ARG:O	1.92	0.69
1:D:768:LYS:CD	1:D:769:ASP:N	2.55	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:992:LEU:HD23	1:D:997:LEU:HD12	1.73	0.69
1:D:1192:GLU:OE2	1:D:1195:MET:SD	2.51	0.69
1:D:1197:CYS:N	1:D:1204:THR:CG2	2.54	0.69
1:D:1206:MET:HE2	2:F:257:ARG:HH12	1.56	0.69
2:E:254:PHE:HB2	2:E:257:ARG:NH1	2.03	0.69
2:E:384:ALA:O	2:E:414:TRP:N	2.26	0.69
2:E:451:GLY:C	2:E:452:LEU:HD22	2.17	0.69
1:A:741:ASP:OD1	1:A:742:VAL:N	2.25	0.69
1:A:829:PRO:HB3	1:A:882:PRO:C	2.17	0.69
2:B:234:LYS:HE2	2:B:234:LYS:N	2.07	0.69
2:C:435:MET:O	2:C:436:SER:CB	2.40	0.69
1:D:127:LEU:O	1:D:130:LEU:HD21	1.93	0.69
1:D:648:PRO:CD	1:D:649:TYR:H	2.01	0.69
2:E:289:LEU:O	2:E:299:LEU:HA	1.92	0.69
2:E:391:PRO:HD2	2:E:395:LEU:HB2	1.73	0.69
2:E:460:THR:O	2:E:462:MET:HE3	1.93	0.69
2:F:81:GLY:CA	2:F:97:PRO:HB2	2.22	0.69
2:F:240:VAL:C	2:F:336:LEU:HB3	2.18	0.69
2:F:314:MET:HB3	2:F:315:TYR:CD2	2.28	0.69
2:F:374:LEU:CD1	2:F:379:ALA:HA	2.21	0.69
1:A:74:LEU:C	1:A:76:ILE:N	2.42	0.69
1:A:165:LYS:O	1:A:167:PRO:HD3	1.92	0.69
1:A:183:GLU:OE1	1:A:184:ALA:HB2	1.93	0.69
1:A:352:SER:O	1:A:358:LEU:CD2	2.40	0.69
1:A:363:ARG:HD2	1:A:406:VAL:CB	2.16	0.69
1:A:451:THR:OG1	1:A:1202:ASN:ND2	2.26	0.69
1:A:559:LEU:HB3	1:A:560:PRO:CD	2.22	0.69
1:A:812:MET:C	1:A:813:VAL:HG12	2.18	0.69
1:A:926:SER:O	1:A:927:ARG:CB	2.41	0.69
1:A:963:GLU:O	1:A:967:MET:HG3	1.93	0.69
1:A:992:LEU:HD13	1:A:993:ARG:H	1.57	0.69
1:A:1006:ARG:HH22	1:A:1010:LEU:HD11	1.56	0.69
1:A:1193:VAL:CG2	1:A:1194:THR:N	2.55	0.69
2:B:99:PHE:CE1	2:B:343:ASP:OD1	2.46	0.69
2:B:383:VAL:HG22	2:B:384:ALA:N	2.07	0.69
2:C:81:GLY:HA3	2:C:97:PRO:CG	2.23	0.69
2:C:241:TRP:CD1	2:C:243:THR:HG23	2.28	0.69
2:C:307:GLY:HA2	2:C:335:VAL:HG12	1.75	0.69
2:C:388:GLY:O	2:C:395:LEU:HD13	1.92	0.69
2:C:388:GLY:HA3	2:C:444:THR:HG22	1.73	0.69
1:D:167:PRO:O	1:D:169:TRP:N	2.25	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:273:PHE:HA	1:D:276:ALA:H	1.58	0.69
1:D:279:ARG:CB	1:D:841:LEU:HB2	2.22	0.69
1:D:577:CYS:C	1:D:579:ARG:N	2.36	0.69
1:D:606:THR:OG1	1:D:614:TYR:CZ	2.46	0.69
1:D:641:GLU:O	1:D:650:ARG:HD3	1.91	0.69
1:D:999:ASP:C	1:D:1001:GLY:H	2.01	0.69
1:D:1047:ARG:O	1:D:1050:LYS:N	2.26	0.69
1:D:1107:ASP:O	1:D:1111:LEU:HD13	1.93	0.69
2:E:371:VAL:CG1	2:E:372:LEU:N	2.55	0.69
2:E:439:PHE:CZ	2:E:478:TYR:CE1	2.81	0.69
2:F:207:GLY:HA3	2:F:239:LEU:HD11	1.75	0.69
1:A:107:LEU:HD12	1:A:112:LEU:HD13	1.74	0.69
1:A:462:SER:OG	1:A:463:LEU:N	2.21	0.69
1:A:719:LEU:O	1:A:722:ARG:HG3	1.93	0.69
1:A:827:ARG:HA	1:A:831:TYR:CE1	2.28	0.69
1:A:853:ARG:NH2	1:A:1105:ALA:CB	2.55	0.69
1:A:951:TYR:HB3	1:A:955:TYR:HE1	1.58	0.69
2:C:341:ASP:O	2:C:342:LEU:CD1	2.38	0.69
2:C:343:ASP:C	2:C:347:LEU:CD1	2.64	0.69
2:C:389:ARG:HG3	2:C:390:GLY:H	1.57	0.69
1:D:76:ILE:HB	1:D:911:HIS:CE1	2.27	0.69
1:D:483:PRO:O	1:D:486:TRP:CB	2.41	0.69
1:D:656:TYR:CB	1:D:744:ILE:HG21	2.22	0.69
1:D:725:PRO:O	1:D:726:LYS:HB2	1.92	0.69
1:D:742:VAL:HG13	1:D:743:ASP:N	2.07	0.69
1:D:801:TRP:HD1	1:D:869:ARG:HH21	1.38	0.69
1:D:826:ILE:HB	1:D:831:TYR:HE2	1.56	0.69
1:D:872:SER:OG	1:D:1200:PRO:CD	2.40	0.69
1:D:946:ALA:HA	1:D:949:PHE:CD2	2.28	0.69
1:D:996:ARG:H	1:D:996:ARG:CZ	2.05	0.69
1:D:1009:ASN:C	1:D:1010:LEU:HG	2.13	0.69
1:D:1204:THR:O	1:D:1205:GLY:C	2.36	0.69
2:E:183:GLU:HG3	2:E:216:HIS:CD2	2.28	0.69
2:E:193:TYR:CD2	2:E:322:LEU:HD22	2.27	0.69
2:F:254:PHE:HA	2:F:257:ARG:HH21	1.56	0.69
2:F:356:LEU:HD22	2:F:359:ASN:OD1	1.93	0.69
1:A:86:GLN:O	1:A:87:ILE:HG13	1.92	0.69
1:A:214:ALA:CA	1:A:401:TRP:CZ2	2.75	0.69
1:A:274:ASP:C	1:A:276:ALA:N	2.48	0.69
1:A:363:ARG:CZ	1:A:406:VAL:HA	2.22	0.69
1:A:373:PRO:HD2	1:A:374:ARG:HH11	1.58	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:580:LEU:HD23	1:A:596:MET:HE1	1.75	0.69
1:A:623:LEU:HD23	1:A:623:LEU:H	1.58	0.69
1:A:624:VAL:C	1:A:745:PRO:O	2.36	0.69
1:A:850:ILE:HG12	1:A:1099:TRP:NE1	2.07	0.69
1:A:913:CYS:O	1:A:914:THR:C	2.35	0.69
1:A:1024:ASP:O	1:A:1026:ARG:HD2	1.92	0.69
1:A:1114:VAL:N	1:A:1117:LYS:HZ2	1.90	0.69
2:B:199:LEU:HD23	2:C:77:HIS:CD2	2.27	0.69
2:C:455:LEU:C	2:C:456:ARG:NE	2.51	0.69
1:D:167:PRO:HD2	1:D:168:ALA:H	1.55	0.69
1:D:307:PHE:H	1:D:307:PHE:HD1	1.39	0.69
1:D:1231:LEU:CG	1:D:1232:GLU:H	1.83	0.69
2:E:371:VAL:HG12	2:E:372:LEU:N	2.07	0.69
2:E:419:GLU:HA	2:F:203:ARG:HH22	1.54	0.69
2:E:450:ASN:HD22	2:E:452:LEU:HD21	1.57	0.69
2:F:114:TRP:NE1	2:F:259:ARG:NH2	2.40	0.69
2:F:272:ASN:HB3	2:F:292:ASN:HB2	1.73	0.69
2:F:344:ARG:HA	2:F:347:LEU:HB2	1.73	0.69
2:F:344:ARG:HA	2:F:347:LEU:HD13	1.75	0.69
2:F:355:GLN:O	2:F:357:THR:N	2.25	0.69
2:F:389:ARG:CZ	2:F:390:GLY:HA3	2.23	0.69
1:A:276:ALA:C	1:A:279:ARG:H	2.01	0.68
1:A:420:HIS:ND1	1:A:421:PRO:HD2	2.08	0.68
1:A:559:LEU:HD23	1:A:560:PRO:HD2	1.74	0.68
1:A:601:LYS:NZ	1:A:616:GLU:HG2	2.07	0.68
1:A:853:ARG:NH2	1:A:1105:ALA:HB3	2.07	0.68
1:A:951:TYR:O	1:A:954:ILE:HB	1.93	0.68
2:B:115:TRP:CZ2	2:C:108:LYS:HD3	2.29	0.68
2:C:443:VAL:CG1	2:C:447:THR:HG21	2.22	0.68
1:D:283:LEU:HG	1:D:814:VAL:HG23	1.74	0.68
1:D:356:LEU:CD1	1:D:369:LEU:CD2	2.64	0.68
1:D:496:LYS:HE3	1:D:571:GLY:HA2	1.73	0.68
1:D:990:LYS:HG2	1:D:1000:GLU:HB2	1.73	0.68
1:D:1019:TRP:HD1	1:D:1020:ILE:HG22	1.57	0.68
1:D:1232:GLU:CG	1:D:1234:ARG:HB2	2.22	0.68
2:E:82:SER:N	2:E:85:GLN:HG3	2.04	0.68
2:E:456:ARG:NE	2:E:463:LYS:HE3	2.07	0.68
1:A:192:GLU:C	1:A:193:ARG:CG	2.66	0.68
1:A:564:GLN:CA	1:A:567:PRO:HD2	2.23	0.68
1:A:607:TRP:CH2	1:A:671:GLN:HA	2.27	0.68
1:A:659:HIS:CB	1:A:719:LEU:HD12	2.17	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:997:LEU:CD2	1:A:998:SER:N	2.51	0.68
1:A:1026:ARG:CB	1:A:1029:GLN:CD	2.66	0.68
1:A:1030:ARG:HD3	1:A:1091:GLU:OE1	1.91	0.68
1:A:1129:PHE:HD2	1:A:1138:ARG:O	1.76	0.68
1:A:1223:ILE:O	1:A:1227:THR:HG23	1.93	0.68
2:C:353:SER:HB2	2:C:373:LYS:O	1.94	0.68
2:C:444:THR:H	2:C:447:THR:HG23	1.58	0.68
1:D:312:TRP:HH2	1:D:346:ASP:O	1.75	0.68
1:D:482:ASP:HB2	1:D:483:PRO:HD2	1.74	0.68
1:D:491:ASP:OD2	1:D:578:PRO:HB3	1.94	0.68
1:D:651:ALA:O	1:D:655:LEU:HD23	1.93	0.68
1:D:656:TYR:CD1	1:D:743:ASP:HB2	2.28	0.68
1:D:767:ALA:HB3	1:D:771:LEU:HD22	1.75	0.68
1:D:887:VAL:N	1:D:1146:ARG:NH1	2.39	0.68
2:F:244:PRO:CD	2:F:247:THR:CG2	2.71	0.68
2:F:455:LEU:C	2:F:456:ARG:NE	2.51	0.68
1:A:190:PRO:CB	1:A:192:GLU:HG3	2.23	0.68
1:A:192:GLU:HB2	1:A:195:LEU:HD21	1.75	0.68
1:A:222:SER:CB	1:A:223:TRP:HD1	2.02	0.68
1:A:307:PHE:H	1:A:307:PHE:HD1	1.42	0.68
1:A:374:ARG:HH11	1:A:374:ARG:CG	2.06	0.68
1:A:476:GLY:HA3	1:A:711:ALA:HB1	1.76	0.68
1:A:734:HIS:HA	1:A:752:LEU:HD11	1.76	0.68
2:B:217:PRO:O	2:B:230:SER:O	2.12	0.68
2:C:240:VAL:C	2:C:336:LEU:HB3	2.18	0.68
1:D:369:LEU:HB3	1:D:372:GLU:HG3	1.74	0.68
1:D:414:PHE:O	1:D:417:ARG:HB2	1.94	0.68
1:D:424:LEU:HD23	1:D:424:LEU:N	2.07	0.68
1:D:440:ASN:OD1	1:D:1210:TYR:O	2.11	0.68
1:D:814:VAL:O	1:D:838:GLY:HA3	1.94	0.68
1:D:856:GLU:HB2	1:D:860:LEU:H	1.58	0.68
1:D:952:GLY:O	1:D:954:ILE:O	2.10	0.68
1:D:1027:LYS:HG3	1:D:1091:GLU:HA	1.74	0.68
1:D:1202:ASN:O	1:D:1205:GLY:N	2.27	0.68
2:E:187:HIS:CA	2:E:190:LEU:HD22	2.22	0.68
2:E:460:THR:O	2:E:461:THR:HG22	1.93	0.68
2:F:81:GLY:HA3	2:F:97:PRO:CD	2.23	0.68
2:F:203:ARG:HG2	2:F:325:ARG:NE	2.08	0.68
2:F:246:ARG:O	2:F:247:THR:C	2.36	0.68
2:F:435:MET:HE2	2:F:435:MET:CA	2.17	0.68
1:A:297:MET:SD	1:A:411:LEU:CB	2.80	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:299:MET:CE	1:A:353:VAL:HB	2.24	0.68
1:A:582:ASP:N	1:A:583:PRO:CD	2.56	0.68
1:A:630:ASN:ND2	1:A:632:ALA:H	1.92	0.68
1:A:713:PRO:HA	1:A:719:LEU:HD13	1.75	0.68
1:A:767:ALA:HB3	1:A:771:LEU:CD2	2.24	0.68
1:A:974:THR:CG2	1:A:975:GLN:N	2.56	0.68
1:A:1199:THR:HA	1:A:1200:PRO:O	1.93	0.68
2:B:116:THR:HA	2:B:120:VAL:CG2	2.24	0.68
2:C:239:LEU:HG	2:C:336:LEU:HD13	1.75	0.68
2:C:347:LEU:C	2:C:350:LEU:HD11	2.18	0.68
2:C:357:THR:HA	2:C:370:LYS:HZ1	1.55	0.68
1:D:131:TYR:HB3	1:D:138:HIS:CE1	2.29	0.68
1:D:167:PRO:CD	1:D:168:ALA:N	2.56	0.68
1:D:659:HIS:NE2	1:D:719:LEU:HB2	2.08	0.68
1:D:880:ALA:CB	1:D:1187:ARG:O	2.39	0.68
1:D:1129:PHE:HB3	1:D:1139:TYR:HA	1.75	0.68
1:D:1138:ARG:HH22	1:D:1191:LYS:HE2	1.57	0.68
2:E:318:ASN:O	2:E:321:LYS:N	2.18	0.68
2:E:443:VAL:CG2	2:E:453:ILE:HG21	2.20	0.68
2:F:78:PHE:CD1	2:F:102:LEU:HD22	2.29	0.68
2:F:126:PHE:HA	2:F:209:ALA:C	2.18	0.68
1:A:167:PRO:HB2	1:A:177:ARG:CZ	2.24	0.68
1:A:286:GLY:O	1:A:287:SER:HB3	1.91	0.68
1:A:577:CYS:CB	1:A:578:PRO:CD	2.72	0.68
2:B:211:ILE:HG23	2:B:237:ALA:HB2	1.73	0.68
2:B:288:LYS:HG2	2:B:302:THR:HG22	1.74	0.68
1:D:131:TYR:HB3	1:D:138:HIS:HE1	1.58	0.68
1:D:275:ARG:NH1	1:D:843:GLN:NE2	2.40	0.68
1:D:307:PHE:HA	1:D:310:SER:OG	1.94	0.68
1:D:623:LEU:HD22	1:D:667:GLN:OE1	1.94	0.68
1:D:645:VAL:HG13	1:D:650:ARG:CG	2.23	0.68
1:D:739:TYR:CD2	1:D:740:ASN:N	2.62	0.68
1:D:770:PHE:HA	1:D:773:LYS:HG3	1.76	0.68
1:D:1116:MET:HE2	1:D:1116:MET:HA	1.75	0.68
1:D:1190:ARG:NH1	1:D:1195:MET:HE3	2.07	0.68
2:E:377:CYS:HA	2:E:380:PRO:HG2	1.74	0.68
2:E:411:ILE:HD12	2:E:411:ILE:N	2.09	0.68
2:E:450:ASN:HB3	2:E:452:LEU:CD2	2.23	0.68
2:F:268:MET:N	2:F:352:ASP:OD2	2.27	0.68
1:A:498:LYS:O	1:A:499:LYS:HB3	1.91	0.68
1:A:597:ARG:CB	1:A:616:GLU:OE1	2.40	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:865:ALA:O	1:A:868:ASP:OD2	2.12	0.68
2:B:479:ILE:HG22	2:B:480:SER:N	2.07	0.68
2:C:132:HIS:HA	2:C:182:ARG:HG3	1.75	0.68
2:C:206:TYR:O	2:C:241:TRP:CD1	2.47	0.68
2:C:471:LEU:HA	2:C:474:PHE:CD2	2.28	0.68
1:D:736:ASN:HA	1:D:750:PHE:CZ	2.28	0.68
1:D:922:GLN:NE2	1:D:931:LEU:HD13	2.08	0.68
2:F:203:ARG:HB3	2:F:204:LEU:HD12	1.76	0.68
2:F:455:LEU:HA	2:F:456:ARG:NH2	2.07	0.68
2:F:474:PHE:HA	2:F:477:LYS:HD2	1.75	0.68
1:A:769:ASP:CG	1:A:770:PHE:H	2.01	0.68
1:A:792:LEU:HD12	1:A:793:GLU:HG2	1.76	0.68
1:A:869:ARG:CA	1:A:1201:SER:H	2.07	0.68
1:A:973:LEU:HB3	1:A:977:GLU:CB	2.24	0.68
2:B:269:SER:C	2:B:271:SER:H	2.02	0.68
2:B:463:LYS:H	2:B:463:LYS:HD2	1.58	0.68
1:D:301:ILE:HD11	1:D:414:PHE:O	1.94	0.68
1:D:308:GLN:CD	1:D:1027:LYS:NZ	2.51	0.68
1:D:316:LYS:HG2	1:D:348:LEU:CG	2.20	0.68
1:D:492:LEU:HD22	1:D:495:PHE:CZ	2.29	0.68
1:D:576:LEU:C	1:D:577:CYS:O	2.34	0.68
1:D:607:TRP:CD1	1:D:779:LEU:HA	2.29	0.68
1:D:622:TYR:N	1:D:747:CYS:O	2.26	0.68
1:D:847:ALA:HA	1:D:852:ARG:HB3	1.75	0.68
2:E:107:ARG:CG	2:E:107:ARG:NH1	2.33	0.68
2:E:318:ASN:O	2:E:320:SER:N	2.27	0.68
2:E:400:GLN:HA	2:E:403:PHE:HB3	1.76	0.68
2:F:314:MET:HB3	2:F:315:TYR:CE2	2.28	0.68
2:F:449:GLU:C	2:F:451:GLY:N	2.43	0.68
1:A:114:GLY:C	1:A:116:PRO:HD2	2.18	0.68
1:A:276:ALA:CA	1:A:279:ARG:HB2	2.24	0.68
1:A:313:ILE:HA	1:A:316:LYS:HE2	1.75	0.68
1:A:532:PRO:HB3	1:A:534:SER:HB3	1.76	0.68
1:A:569:HIS:CG	1:A:570:PRO:HD2	2.29	0.68
1:A:916:PHE:CD1	1:A:919:MET:HB3	2.29	0.68
1:A:1220:ILE:N	1:A:1220:ILE:CD1	2.57	0.68
2:C:384:ALA:HB3	2:C:440:THR:HG22	1.76	0.68
1:D:79:LEU:HD23	1:D:83:LEU:CD1	2.22	0.68
1:D:914:THR:OG1	1:D:999:ASP:HB3	1.92	0.68
1:D:1206:MET:HA	2:F:253:ASP:OD2	1.94	0.68
2:E:407:LEU:HA	2:E:411:ILE:O	1.93	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:259:ARG:NE	2:F:339:ASN:HD21	1.91	0.68
2:F:442:LEU:H	2:F:455:LEU:HD22	1.58	0.68
1:A:194:ALA:HA	1:A:265:LEU:CB	2.21	0.68
1:A:1026:ARG:CB	1:A:1029:GLN:NE2	2.57	0.68
1:A:1165:ALA:HB2	1:A:1173:LEU:HG	1.75	0.68
2:C:222:LYS:O	2:C:223:GLN:HB2	1.93	0.68
2:C:338:VAL:O	2:C:339:ASN:C	2.34	0.68
1:D:147:SER:HB3	1:D:425:ALA:HB2	1.74	0.68
1:D:203:LEU:HD23	1:D:203:LEU:O	1.93	0.68
1:D:236:THR:OG1	1:D:237:SER:N	2.27	0.68
1:D:241:PRO:O	1:D:244:LEU:CG	2.40	0.68
1:D:271:VAL:HA	1:D:293:ASP:CG	2.18	0.68
1:D:407:PHE:HD1	1:D:411:LEU:HD21	1.57	0.68
1:D:603:MET:HB3	1:D:605:LEU:HD21	1.76	0.68
1:D:901:VAL:HG23	1:D:902:LEU:N	2.08	0.68
1:D:1209:ARG:HH21	2:F:253:ASP:N	1.92	0.68
2:F:395:LEU:HB3	2:F:443:VAL:HG21	1.75	0.68
2:F:472:LYS:HA	2:F:475:LEU:HD11	1.76	0.68
1:A:583:PRO:O	1:A:585:TRP:N	2.25	0.68
1:A:744:ILE:CG1	1:A:745:PRO:CD	2.71	0.68
2:C:72:ILE:HD12	2:C:76:ARG:HE	1.57	0.68
2:C:387:VAL:HA	2:C:443:VAL:O	1.93	0.68
2:C:456:ARG:HB2	2:C:463:LYS:CB	2.24	0.68
1:D:371:LYS:HD3	1:D:392:LEU:CD2	2.23	0.68
1:D:427:MET:O	1:D:846:THR:CG2	2.41	0.68
1:D:610:PHE:N	1:D:611:PRO:CD	2.51	0.68
1:D:660:CYS:HB2	1:D:745:PRO:CG	2.23	0.68
1:D:824:ALA:CA	1:D:827:ARG:HG3	2.24	0.68
1:D:831:TYR:HB2	1:D:837:TYR:OH	1.93	0.68
1:D:1141:VAL:HG23	1:D:1146:ARG:HH21	1.58	0.68
2:E:353:SER:CB	2:E:372:LEU:HD11	2.23	0.68
2:E:431:LYS:HG3	2:E:432:TYR:HD1	1.59	0.68
1:A:76:ILE:CG1	1:A:911:HIS:NE2	2.57	0.67
1:A:359:ALA:HB2	1:A:407:PHE:CE2	2.26	0.67
1:A:382:MET:SD	1:A:385:ILE:CG2	2.82	0.67
1:A:884:TYR:HD1	1:A:884:TYR:N	1.91	0.67
1:A:1005:VAL:CA	1:A:1008:LEU:HD13	2.18	0.67
2:B:133:HIS:NE2	2:C:231:ILE:CG2	2.57	0.67
2:B:395:LEU:HD11	2:B:443:VAL:HG12	1.76	0.67
2:C:439:PHE:CD1	2:C:458:ARG:CG	2.77	0.67
1:D:104:VAL:O	1:D:108:GLN:HG3	1.93	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:127:LEU:O	1:D:130:LEU:CD2	2.42	0.67
1:D:179:GLY:CA	1:D:182:GLY:N	2.57	0.67
1:D:312:TRP:CH2	1:D:346:ASP:O	2.47	0.67
1:D:600:PRO:HA	1:D:603:MET:HB2	1.77	0.67
1:D:726:LYS:O	1:D:727:ASP:CB	2.41	0.67
1:D:760:CYS:O	1:D:761:ASN:C	2.36	0.67
1:D:810:SER:OG	1:D:811:GLN:N	2.24	0.67
2:E:374:LEU:N	2:E:458:ARG:NH2	2.42	0.67
2:F:393:LEU:HD23	2:F:396:ARG:HG2	1.76	0.67
2:F:466:MET:HE3	2:F:471:LEU:CB	2.22	0.67
1:A:255:SER:HB2	1:A:257:THR:O	1.94	0.67
1:A:363:ARG:HH11	1:A:406:VAL:HA	1.58	0.67
1:A:472:GLN:HB3	2:C:461:THR:HG23	1.76	0.67
1:A:869:ARG:O	1:A:872:SER:HB2	1.94	0.67
1:A:1117:LYS:O	1:A:1121:GLU:HG3	1.94	0.67
2:B:213:VAL:CA	2:B:235:THR:O	2.38	0.67
2:C:402:LEU:C	2:C:406:LEU:HD22	2.19	0.67
1:D:177:ARG:HG2	1:D:178:TYR:H	1.58	0.67
1:D:316:LYS:CD	1:D:348:LEU:HD23	2.24	0.67
1:D:375:GLU:CD	1:D:379:LYS:HB3	2.18	0.67
1:D:584:ALA:C	1:D:585:TRP:CE3	2.72	0.67
1:D:642:SER:N	1:D:645:VAL:HG21	2.08	0.67
1:D:847:ALA:HA	1:D:852:ARG:CA	2.24	0.67
2:E:254:PHE:HA	2:E:257:ARG:HE	1.59	0.67
2:F:387:VAL:CG2	2:F:417:TYR:CA	2.65	0.67
1:A:202:CYS:HB2	1:A:204:ALA:H	1.59	0.67
1:A:226:GLN:O	1:A:226:GLN:CD	2.37	0.67
1:A:265:LEU:O	1:A:265:LEU:HD12	1.94	0.67
1:A:276:ALA:O	1:A:280:GLU:OE1	2.11	0.67
1:A:603:MET:HE3	1:A:791:ALA:HB1	1.76	0.67
1:A:955:TYR:CD2	1:A:1102:GLN:NE2	2.62	0.67
1:A:1043:VAL:HG22	1:A:1046:GLU:CB	2.23	0.67
1:A:1047:ARG:CZ	1:A:1050:LYS:HD2	2.24	0.67
1:A:1236:GLN:H	1:A:1236:GLN:HE21	1.40	0.67
2:B:69:LEU:HD21	2:B:351:TYR:CZ	2.30	0.67
2:B:342:LEU:C	2:B:342:LEU:HD13	2.20	0.67
1:D:177:ARG:H	1:D:218:SER:CB	2.06	0.67
1:D:273:PHE:HA	1:D:276:ALA:HB2	1.76	0.67
1:D:292:LEU:HD21	1:D:427:MET:HE2	1.75	0.67
1:D:350:ILE:C	1:D:352:SER:N	2.48	0.67
1:D:498:LYS:NZ	1:D:521:PRO:HB3	2.10	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:636:THR:HG22	1:D:637:GLY:N	2.10	0.67
1:D:770:PHE:CE1	1:D:968:GLN:HB3	2.29	0.67
2:E:270:PRO:O	2:E:273:PHE:HD2	1.77	0.67
2:F:134:LYS:HB3	2:F:180:LYS:CE	2.25	0.67
2:F:243:THR:HB	2:F:247:THR:HG1	1.59	0.67
2:F:351:TYR:CD1	2:F:355:GLN:HG2	2.29	0.67
2:F:360:SER:CB	2:F:364:LYS:HD2	2.24	0.67
1:A:80:SER:CB	1:A:125:LEU:HD21	2.24	0.67
1:A:348:LEU:C	1:A:350:ILE:H	1.99	0.67
1:A:500:ALA:HB1	1:A:520:ALA:CB	2.24	0.67
1:A:873:GLU:OE1	1:A:875:LYS:HG3	1.94	0.67
1:A:1207:GLU:C	1:A:1210:TYR:CD1	2.72	0.67
2:B:125:VAL:HG13	2:B:207:GLY:C	2.19	0.67
2:C:78:PHE:CD1	2:C:102:LEU:HD22	2.30	0.67
2:C:389:ARG:CD	2:C:390:GLY:H	2.06	0.67
1:D:112:LEU:HD23	1:D:917:GLY:O	1.94	0.67
1:D:177:ARG:O	1:D:178:TYR:C	2.37	0.67
1:D:273:PHE:HA	1:D:276:ALA:CB	2.24	0.67
1:D:483:PRO:O	1:D:486:TRP:N	2.26	0.67
1:D:515:ILE:CG1	1:D:568:GLY:O	2.42	0.67
1:D:607:TRP:CB	1:D:779:LEU:HD23	2.19	0.67
1:D:847:ALA:HA	1:D:852:ARG:CB	2.25	0.67
2:E:129:ASP:OD2	2:F:98:GLY:HA3	1.94	0.67
2:E:272:ASN:HA	2:E:292:ASN:HD22	1.55	0.67
2:F:347:LEU:C	2:F:350:LEU:CD1	2.67	0.67
2:F:403:PHE:C	2:F:403:PHE:CD2	2.72	0.67
1:A:278:ILE:HD13	1:A:291:PHE:CD1	2.28	0.67
1:A:503:VAL:HG21	1:A:521:PRO:HA	1.74	0.67
1:A:564:GLN:HE21	1:A:564:GLN:CA	2.08	0.67
1:A:711:ALA:O	1:A:712:VAL:CG2	2.42	0.67
1:A:885:THR:C	1:A:1146:ARG:NE	2.53	0.67
2:B:116:THR:O	2:B:121:PHE:HD2	1.77	0.67
2:B:125:VAL:HG22	2:B:207:GLY:H	1.57	0.67
2:B:336:LEU:HD21	2:B:338:VAL:CG2	2.19	0.67
2:B:426:GLU:OE1	2:B:426:GLU:N	2.27	0.67
2:C:309:HIS:HB3	2:C:310:GLU:OE1	1.94	0.67
1:D:272:SER:HB3	1:D:843:GLN:NE2	2.10	0.67
1:D:512:LYS:HG2	1:D:570:PRO:HG3	1.77	0.67
1:D:792:LEU:HA	1:D:795:ASN:ND2	2.09	0.67
1:D:801:TRP:HH2	1:D:805:HIS:ND1	1.93	0.67
1:D:995:TYR:O	1:D:995:TYR:CG	2.47	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:217:PRO:HA	2:E:231:ILE:HG23	1.77	0.67
2:E:335:VAL:HG22	2:E:336:LEU:N	2.10	0.67
2:F:208:LEU:CD1	2:F:240:VAL:CB	2.62	0.67
2:F:213:VAL:HG23	2:F:235:THR:OG1	1.95	0.67
2:F:387:VAL:HA	2:F:443:VAL:CG2	2.05	0.67
2:F:467:HIS:O	2:F:471:LEU:HD11	1.93	0.67
1:A:296:SER:CB	1:A:846:THR:O	2.43	0.67
1:A:769:ASP:OD2	1:A:770:PHE:CD2	2.47	0.67
1:A:798:ILE:HD11	1:A:802:ARG:HE	1.59	0.67
1:A:1040:LYS:O	1:A:1044:VAL:HB	1.94	0.67
2:B:69:LEU:HD12	2:B:70:LEU:N	2.09	0.67
2:B:343:ASP:HB3	2:B:344:ARG:NE	2.08	0.67
2:C:306:LEU:H	2:C:335:VAL:HG11	1.56	0.67
2:C:322:LEU:HD22	2:C:322:LEU:C	2.19	0.67
1:D:297:MET:SD	1:D:411:LEU:HD13	2.35	0.67
1:D:316:LYS:HZ1	1:D:348:LEU:HD23	1.57	0.67
1:D:439:GLN:HG2	1:D:835:GLY:HA3	1.76	0.67
1:D:591:LEU:O	1:D:591:LEU:HD12	1.94	0.67
1:D:613:HIS:ND1	1:D:717:LEU:HD22	2.09	0.67
1:D:1010:LEU:N	1:D:1011:PRO:HD2	2.08	0.67
1:D:1133:ILE:O	1:D:1134:HIS:C	2.37	0.67
2:E:131:LEU:C	2:E:182:ARG:HH21	2.03	0.67
2:E:266:PHE:O	2:E:349:TYR:HE1	1.77	0.67
2:F:127:PRO:HD2	2:F:128:VAL:H	1.56	0.67
2:F:456:ARG:HG2	2:F:457:SER:N	2.10	0.67
1:A:169:TRP:O	1:A:170:ALA:CB	2.43	0.67
1:A:365:TYR:C	1:A:367:GLY:N	2.52	0.67
1:A:414:PHE:HA	1:A:417:ARG:HB2	1.75	0.67
1:A:720:THR:HG23	1:A:721:ALA:N	2.08	0.67
1:A:1030:ARG:CD	1:A:1040:LYS:NZ	2.58	0.67
2:B:343:ASP:CB	2:B:344:ARG:HE	2.07	0.67
2:C:126:PHE:HA	2:C:209:ALA:C	2.19	0.67
2:C:485:VAL:OXT	2:C:485:VAL:HG22	1.94	0.67
1:D:516:GLU:HA	1:D:565:HIS:HE1	1.57	0.67
1:D:1006:ARG:NH2	1:D:1017:GLY:HA3	2.09	0.67
2:E:105:GLU:O	2:E:108:LYS:HG2	1.94	0.67
2:E:244:PRO:HG3	2:E:326:ASP:OD2	1.95	0.67
2:F:372:LEU:HD21	2:F:435:MET:O	1.95	0.67
1:A:245:ILE:CD1	1:A:246:PRO:HD3	2.24	0.67
1:A:308:GLN:HB3	1:A:1090:GLU:HA	1.76	0.67
1:A:376:LEU:C	1:A:378:VAL:H	2.02	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:386:ARG:HA	1:A:389:PHE:HB3	1.76	0.67
1:A:473:LEU:HD23	1:A:473:LEU:N	2.09	0.67
1:A:904:ASP:CB	1:A:910:MET:O	2.42	0.67
1:A:931:LEU:HD23	1:A:931:LEU:C	2.19	0.67
2:C:193:TYR:HB2	2:C:242:PHE:CE2	2.29	0.67
1:D:206:GLY:CA	1:D:245:ILE:HG22	2.24	0.67
1:D:550:GLN:N	1:D:551:LYS:HE3	2.10	0.67
1:D:652:ILE:O	1:D:656:TYR:HD2	1.76	0.67
1:D:660:CYS:SG	1:D:661:LEU:N	2.68	0.67
1:D:918:TRP:C	1:D:920:THR:H	1.98	0.67
2:E:448:LEU:O	2:E:450:ASN:N	2.27	0.67
2:F:79:LEU:HA	2:F:99:PHE:HA	1.77	0.67
2:F:240:VAL:O	2:F:336:LEU:HD13	1.95	0.67
2:F:344:ARG:CA	2:F:347:LEU:HD13	2.25	0.67
2:F:383:VAL:HG22	2:F:384:ALA:N	2.09	0.67
2:F:428:LEU:O	2:F:429:TYR:C	2.37	0.67
2:F:454:HIS:NE2	2:F:472:LYS:HD3	2.09	0.67
1:A:276:ALA:HA	1:A:279:ARG:CB	2.24	0.67
1:A:439:GLN:NE2	1:A:837:TYR:HE2	1.92	0.67
1:A:973:LEU:HB3	1:A:977:GLU:HB2	1.76	0.67
1:A:1046:GLU:OE1	1:A:1049:TRP:CB	2.43	0.67
2:B:323:HIS:HB2	2:B:332:VAL:HA	1.73	0.67
2:C:239:LEU:H	2:C:338:VAL:CG1	2.03	0.67
2:C:455:LEU:HB3	2:C:456:ARG:CZ	2.25	0.67
1:D:245:ILE:HG13	1:D:246:PRO:HD3	1.75	0.67
1:D:285:GLN:HE22	1:D:1128:ARG:CG	2.07	0.67
1:D:401:TRP:HD1	1:D:404:HIS:CD2	2.13	0.67
1:D:647:CYS:SG	1:D:648:PRO:HD2	2.35	0.67
1:D:853:ARG:NH1	1:D:1105:ALA:HB3	2.09	0.67
1:D:1029:GLN:HE21	1:D:1030:ARG:HH21	1.43	0.67
1:D:1154:GLN:O	1:D:1157:ASN:HB2	1.94	0.67
2:E:257:ARG:O	2:E:261:GLN:HG3	1.95	0.67
2:E:370:LYS:HG3	2:E:434:GLU:OE2	1.95	0.67
2:F:193:TYR:CD1	2:F:193:TYR:C	2.72	0.67
2:F:211:ILE:HG23	2:F:236:GLU:O	1.95	0.67
2:F:471:LEU:CA	2:F:474:PHE:HD2	2.08	0.67
1:A:297:MET:O	1:A:300:ALA:HB3	1.95	0.67
1:A:426:GLY:HA2	1:A:1117:LYS:NZ	2.10	0.67
1:A:823:ARG:C	1:A:825:VAL:H	2.00	0.67
1:A:953:ARG:HD3	1:A:986:TYR:CE2	2.30	0.67
1:A:996:ARG:HH11	1:A:1000:GLU:HB3	1.57	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:221:TYR:O	1:D:222:SER:OG	2.13	0.67
1:D:364:VAL:O	1:D:364:VAL:CG1	2.43	0.67
1:D:466:LEU:HD13	1:D:466:LEU:N	2.10	0.67
1:D:847:ALA:CA	1:D:852:ARG:HA	2.24	0.67
1:D:902:LEU:HD11	1:D:1168:LEU:HD22	1.75	0.67
1:D:1056:GLU:HB3	1:D:1057:MET:HE3	1.77	0.67
2:E:445:GLU:OE2	2:E:446:THR:N	2.26	0.67
2:F:114:TRP:CD1	2:F:259:ARG:HH22	2.13	0.67
2:F:300:ILE:HG23	2:F:342:LEU:HD11	1.75	0.67
2:F:368:HIS:ND1	2:F:368:HIS:O	2.28	0.67
2:F:391:PRO:HD2	2:F:394:GLU:HG2	1.77	0.67
2:F:403:PHE:C	2:F:403:PHE:HD2	2.03	0.67
1:A:660:CYS:HB2	1:A:745:PRO:CG	2.25	0.66
1:A:859:TRP:HZ3	1:A:878:VAL:HG13	1.60	0.66
1:A:875:LYS:O	1:A:878:VAL:CG2	2.39	0.66
1:A:893:SER:HB2	1:A:896:LEU:CD2	2.25	0.66
1:A:996:ARG:HD2	1:A:1000:GLU:O	1.94	0.66
1:A:1000:GLU:O	1:A:1004:LEU:HB2	1.95	0.66
1:A:1131:ILE:HG23	1:A:1132:SER:N	2.07	0.66
1:A:1165:ALA:CB	1:A:1173:LEU:HG	2.25	0.66
2:B:101:PRO:N	2:C:128:VAL:HG21	2.10	0.66
2:B:183:GLU:O	2:B:214:CYS:SG	2.53	0.66
2:C:129:ASP:OD1	2:C:131:LEU:CD2	2.43	0.66
2:C:204:LEU:HD21	2:C:206:TYR:CG	2.31	0.66
2:C:305:ASN:HA	2:C:335:VAL:HG11	1.76	0.66
1:D:193:ARG:HD2	1:D:263:GLU:CD	2.20	0.66
1:D:194:ALA:CB	1:D:265:LEU:HB2	2.25	0.66
1:D:249:VAL:CG2	1:D:250:PRO:CD	2.73	0.66
1:D:259:ARG:HA	1:D:259:ARG:NE	2.05	0.66
2:F:241:TRP:CD1	2:F:243:THR:CG2	2.78	0.66
1:A:110:HIS:O	1:A:112:LEU:HD12	1.94	0.66
1:A:612:LEU:HD21	1:A:614:TYR:O	1.94	0.66
1:A:633:LYS:HD2	1:A:634:LEU:N	2.11	0.66
2:C:209:ALA:CB	2:C:238:SER:O	2.42	0.66
2:C:353:SER:HB2	2:C:373:LYS:H	1.59	0.66
2:C:403:PHE:C	2:C:403:PHE:CD2	2.73	0.66
1:D:270:ASN:HA	1:D:294:THR:OG1	1.95	0.66
1:D:270:ASN:CA	1:D:294:THR:CG2	2.71	0.66
1:D:298:HIS:CD2	1:D:411:LEU:HD23	2.29	0.66
1:D:822:PRO:O	1:D:826:ILE:HD13	1.94	0.66
1:D:1015:THR:OG1	1:D:1022:LEU:HD23	1.94	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:72:ILE:HD11	2:E:370:LYS:CE	2.25	0.66
2:E:394:GLU:O	2:E:397:GLN:HB2	1.94	0.66
2:F:298:GLU:OE1	2:F:344:ARG:NH2	2.28	0.66
1:A:241:PRO:CA	1:A:244:LEU:HB2	2.23	0.66
1:A:355:SER:HA	1:A:407:PHE:HE1	1.61	0.66
1:A:371:LYS:HZ3	1:A:400:VAL:HG23	1.58	0.66
1:A:609:GLY:H	1:A:610:PHE:HD2	1.44	0.66
1:A:756:ASP:HB3	1:A:1057:MET:CG	2.12	0.66
1:A:1016:GLU:OE2	1:A:1022:LEU:CD2	2.42	0.66
1:A:1113:LEU:HB2	1:A:1117:LYS:HZ2	1.61	0.66
1:A:1129:PHE:CD2	1:A:1138:ARG:O	2.48	0.66
2:B:113:GLU:O	2:B:262:TRP:HZ2	1.78	0.66
2:C:245:PRO:HG2	2:C:246:ARG:HD3	1.77	0.66
2:C:342:LEU:CB	2:C:344:ARG:HD3	2.25	0.66
2:C:358:GLU:HA	2:C:361:PHE:HB2	1.78	0.66
2:C:403:PHE:HD1	2:C:417:TYR:OH	1.78	0.66
1:D:269:HIS:CE1	1:D:291:PHE:CA	2.78	0.66
1:D:307:PHE:O	1:D:311:LEU:HD12	1.96	0.66
1:D:868:ASP:C	1:D:869:ARG:HG3	2.20	0.66
2:E:76:ARG:HE	2:E:431:LYS:HE3	1.60	0.66
2:F:125:VAL:CG2	2:F:126:PHE:N	2.55	0.66
2:F:303:LEU:CB	2:F:337:SER:OG	2.43	0.66
2:F:367:LEU:O	2:F:369:ARG:HD2	1.95	0.66
1:A:402:ALA:O	1:A:406:VAL:N	2.22	0.66
1:A:434:TYR:C	1:A:435:LEU:HG	2.20	0.66
1:A:552:LEU:HD22	2:C:448:LEU:CD2	2.25	0.66
1:A:630:ASN:C	1:A:631:LEU:HD23	2.20	0.66
2:B:67:GLU:HB3	2:B:70:LEU:HD13	1.75	0.66
2:B:260:LEU:O	2:B:264:ARG:CG	2.43	0.66
2:C:372:LEU:HD12	2:C:373:LYS:N	2.11	0.66
1:D:140:ARG:HH11	1:D:140:ARG:CG	2.08	0.66
1:D:768:LYS:O	1:D:772:PRO:HD2	1.95	0.66
1:D:949:PHE:O	1:D:953:ARG:N	2.28	0.66
1:D:1208:ARG:NH2	2:F:285:LYS:CD	2.50	0.66
1:D:1209:ARG:HG3	2:F:249:ASN:CB	2.26	0.66
2:E:407:LEU:C	2:E:409:ASN:H	2.04	0.66
2:F:325:ARG:HG3	2:F:325:ARG:NH1	1.99	0.66
1:A:213:VAL:O	1:A:401:TRP:CZ2	2.48	0.66
1:A:515:ILE:CG2	1:A:565:HIS:HA	2.15	0.66
1:A:744:ILE:HG12	1:A:745:PRO:CD	2.24	0.66
1:A:962:ALA:CB	1:A:986:TYR:OH	2.39	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1019:TRP:O	1:A:1020:ILE:HG22	1.94	0.66
1:A:1131:ILE:HG21	1:A:1138:ARG:H	1.55	0.66
2:C:129:ASP:O	2:C:130:ALA:HB3	1.94	0.66
2:C:208:LEU:CD1	2:C:240:VAL:CB	2.68	0.66
2:C:335:VAL:CG2	2:C:336:LEU:N	2.57	0.66
2:C:435:MET:O	2:C:435:MET:SD	2.53	0.66
2:C:443:VAL:C	2:C:447:THR:HG21	2.21	0.66
2:C:454:HIS:CA	2:C:468:ILE:HD12	2.23	0.66
1:D:271:VAL:HA	1:D:293:ASP:OD2	1.96	0.66
1:D:307:PHE:CD1	1:D:307:PHE:N	2.63	0.66
1:D:408:GLN:O	1:D:411:LEU:HD12	1.95	0.66
1:D:550:GLN:H	1:D:551:LYS:NZ	1.92	0.66
1:D:857:PRO:O	1:D:1062:GLU:OE2	2.13	0.66
1:D:923:GLY:CA	1:D:931:LEU:HD11	2.26	0.66
2:F:209:ALA:HB2	2:F:239:LEU:HA	1.76	0.66
1:A:308:GLN:HB3	1:A:1090:GLU:CB	2.25	0.66
1:A:559:LEU:HD23	1:A:560:PRO:CD	2.26	0.66
2:B:323:HIS:HA	2:B:333:PRO:CD	2.25	0.66
2:C:288:LYS:HB2	2:C:290:TYR:OH	1.96	0.66
1:D:240:SER:HB2	1:D:241:PRO:HD3	1.77	0.66
1:D:374:ARG:HD3	1:D:392:LEU:CD2	2.23	0.66
1:D:552:LEU:O	2:F:452:LEU:HD21	1.96	0.66
1:D:1207:GLU:O	1:D:1208:ARG:C	2.39	0.66
2:E:402:LEU:O	2:E:406:LEU:HD23	1.94	0.66
2:F:81:GLY:HA3	2:F:97:PRO:CG	2.25	0.66
2:F:353:SER:HB2	2:F:373:LYS:N	2.08	0.66
2:F:368:HIS:NE2	2:F:370:LYS:CD	2.58	0.66
1:A:515:ILE:N	1:A:515:ILE:HD12	2.11	0.66
1:A:572:TRP:O	1:A:573:TYR:C	2.36	0.66
1:A:652:ILE:O	1:A:655:LEU:HG	1.95	0.66
1:A:656:TYR:C	1:A:659:HIS:HB3	2.21	0.66
1:A:823:ARG:C	1:A:825:VAL:N	2.49	0.66
1:A:941:ILE:HG23	1:A:942:SER:N	2.10	0.66
2:B:117:SER:HG	2:B:262:TRP:CD1	2.14	0.66
2:B:235:THR:H	2:B:343:ASP:HB2	1.60	0.66
2:B:425:LEU:HD23	2:B:425:LEU:O	1.96	0.66
2:C:447:THR:O	2:C:448:LEU:C	2.38	0.66
1:D:171:TRP:CD1	1:D:172:ALA:H	2.14	0.66
1:D:418:CYS:N	1:D:419:PRO:HD3	2.10	0.66
1:D:870:VAL:HG13	1:D:871:GLY:N	2.10	0.66
1:D:1175:GLN:O	1:D:1177:VAL:N	2.28	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1209:ARG:NH2	2:F:253:ASP:CA	2.50	0.66
1:D:1210:TYR:CD1	1:D:1210:TYR:C	2.74	0.66
2:E:108:LYS:NZ	2:E:108:LYS:HB2	2.11	0.66
2:F:242:PHE:HB3	2:F:333:PRO:CB	2.18	0.66
2:F:344:ARG:CA	2:F:347:LEU:HD22	2.25	0.66
2:F:413:VAL:HG12	2:F:414:TRP:N	2.10	0.66
2:F:469:SER:O	2:F:472:LYS:HB2	1.95	0.66
1:A:439:GLN:HG3	1:A:836:LEU:H	1.59	0.66
1:A:717:LEU:O	1:A:721:ALA:CB	2.44	0.66
1:A:769:ASP:O	1:A:772:PRO:HD2	1.96	0.66
1:A:769:ASP:CG	1:A:770:PHE:N	2.52	0.66
1:A:858:THR:HB	1:A:859:TRP:CD1	2.31	0.66
1:A:1002:GLU:O	1:A:1006:ARG:N	2.26	0.66
2:B:204:LEU:HD22	2:B:205:PRO:HB3	1.77	0.66
2:B:323:HIS:CB	2:B:332:VAL:CA	2.71	0.66
2:C:395:LEU:CD1	2:C:444:THR:HA	2.25	0.66
1:D:87:ILE:HG22	1:D:88:PHE:H	1.61	0.66
1:D:176:THR:N	1:D:185:VAL:CG1	2.59	0.66
1:D:386:ARG:HA	1:D:389:PHE:CD2	2.31	0.66
1:D:657:ARG:HA	1:D:660:CYS:HB3	1.77	0.66
1:D:771:LEU:N	1:D:771:LEU:HD12	2.11	0.66
1:D:802:ARG:CG	1:D:803:ASN:OD1	2.44	0.66
1:D:826:ILE:HG12	1:D:827:ARG:N	2.10	0.66
1:D:1031:GLU:CD	1:D:1096:ARG:HH22	2.03	0.66
1:D:1165:ALA:CB	1:D:1173:LEU:CD1	2.72	0.66
2:E:380:PRO:HG3	2:E:438:LEU:HD13	1.77	0.66
2:E:475:LEU:HB3	2:E:479:ILE:HD11	1.78	0.66
2:F:255:TRP:O	2:F:256:LEU:C	2.39	0.66
2:F:400:GLN:HE21	2:F:404:ASN:CG	2.03	0.66
2:F:415:PRO:HB3	2:F:417:TYR:HE2	1.57	0.66
1:A:196:VAL:C	1:A:401:TRP:HH2	2.04	0.66
1:A:355:SER:O	1:A:358:LEU:HG	1.96	0.66
1:A:522:GLY:O	1:A:524:PRO:HD3	1.95	0.66
1:A:601:LYS:HZ3	1:A:616:GLU:HG2	1.60	0.66
1:A:1006:ARG:O	1:A:1010:LEU:HD12	1.95	0.66
1:A:1007:GLU:O	1:A:1011:PRO:CD	2.44	0.66
2:C:439:PHE:HD1	2:C:458:ARG:CG	2.07	0.66
1:D:417:ARG:C	1:D:418:CYS:HG	2.04	0.66
1:D:504:LYS:HG3	1:D:504:LYS:O	1.95	0.66
1:D:652:ILE:CA	1:D:655:LEU:HG	2.18	0.66
2:F:306:LEU:HD11	2:F:310:GLU:OE1	1.96	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:166:PRO:HG3	1:A:398:GLN:OE1	1.96	0.66
1:A:192:GLU:OE1	1:A:265:LEU:HD23	1.96	0.66
1:A:275:ARG:HH22	1:A:844:VAL:C	2.03	0.66
1:A:346:ASP:OD2	1:A:1040:LYS:HD2	1.97	0.66
1:A:597:ARG:O	1:A:598:VAL:HB	1.96	0.66
1:A:601:LYS:NZ	1:A:721:ALA:O	2.28	0.66
1:A:989:THR:CA	1:A:998:SER:OG	2.44	0.66
1:A:1047:ARG:NH1	1:A:1050:LYS:HB2	2.11	0.66
2:B:70:LEU:HD22	2:B:88:ARG:NH1	2.05	0.66
2:B:74:GLN:O	2:B:77:HIS:N	2.29	0.66
2:B:231:ILE:CD1	2:C:135:PRO:HG3	2.25	0.66
2:B:453:ILE:HD13	2:B:453:ILE:H	1.60	0.66
1:D:194:ALA:CA	1:D:265:LEU:HB2	2.25	0.66
1:D:457:ARG:HA	1:D:460:LYS:CD	2.26	0.66
1:D:580:LEU:HD21	1:D:593:SER:OG	1.96	0.66
1:D:601:LYS:HD2	1:D:616:GLU:CG	2.26	0.66
1:D:658:LYS:HE2	1:D:713:PRO:HB2	1.76	0.66
1:D:719:LEU:HD12	1:D:720:THR:OG1	1.95	0.66
1:D:736:ASN:HB3	1:D:748:TRP:O	1.96	0.66
1:D:737:GLY:N	1:D:750:PHE:CE1	2.64	0.66
1:D:798:ILE:CG2	1:D:869:ARG:NH2	2.56	0.66
1:D:873:GLU:HB3	1:D:1200:PRO:HD2	1.78	0.66
2:F:317:GLY:CA	2:F:320:SER:CB	2.72	0.66
1:A:432:VAL:O	1:A:432:VAL:HG12	1.95	0.65
1:A:606:THR:H	1:A:613:HIS:HA	1.60	0.65
1:A:659:HIS:ND1	1:A:716:PRO:HA	2.11	0.65
1:A:768:LYS:HG2	1:A:769:ASP:H	1.59	0.65
1:A:861:THR:HG22	1:A:861:THR:O	1.96	0.65
1:A:884:TYR:CD1	1:A:884:TYR:N	2.65	0.65
1:A:905:ALA:N	1:A:910:MET:HA	2.11	0.65
1:A:1207:GLU:CA	1:A:1210:TYR:HD1	2.09	0.65
2:B:236:GLU:CD	2:B:341:ASP:HB3	2.21	0.65
2:C:282:GLU:C	2:C:284:ARG:H	2.04	0.65
1:D:175:TRP:HB2	1:D:185:VAL:HG22	1.78	0.65
1:D:208:CYS:SG	1:D:244:LEU:CD1	2.84	0.65
1:D:292:LEU:HD23	1:D:297:MET:CE	2.26	0.65
1:D:307:PHE:HD1	1:D:307:PHE:N	1.93	0.65
1:D:485:LEU:O	1:D:489:GLU:HG3	1.96	0.65
1:D:504:LYS:O	1:D:504:LYS:CG	2.44	0.65
1:D:608:ASP:OD1	1:D:611:PRO:N	2.29	0.65
1:D:616:GLU:O	1:D:725:PRO:CD	2.37	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:618:HIS:CB	1:D:725:PRO:HG2	2.25	0.65
1:D:664:GLY:HA2	1:D:667:GLN:HG3	1.77	0.65
1:D:1015:THR:HG23	1:D:1026:ARG:CB	2.25	0.65
1:D:1131:ILE:CD1	1:D:1138:ARG:HB2	2.27	0.65
1:D:1165:ALA:HB2	1:D:1173:LEU:CD1	2.14	0.65
1:D:1221:TYR:O	1:D:1222:GLN:C	2.36	0.65
2:E:263:TRP:CZ3	2:E:300:ILE:HD12	2.31	0.65
2:F:347:LEU:HA	2:F:350:LEU:HD11	1.76	0.65
1:A:309:ARG:HH12	1:A:352:SER:HA	1.61	0.65
1:A:588:GLY:CA	1:A:806:LYS:NZ	2.59	0.65
1:A:879:GLN:CA	1:A:879:GLN:HE21	2.08	0.65
1:A:950:ASN:O	1:A:951:TYR:C	2.39	0.65
2:B:74:GLN:HB2	2:B:77:HIS:HD2	1.62	0.65
2:B:122:ARG:HD3	2:B:124:GLN:NE2	2.11	0.65
2:B:215:PHE:HE2	2:B:233:GLU:HG2	1.60	0.65
2:B:407:LEU:HD21	2:C:120:VAL:CA	2.14	0.65
2:C:80:SER:OG	2:C:99:PHE:O	2.12	0.65
2:C:406:LEU:HA	2:C:409:ASN:HD22	1.57	0.65
2:C:447:THR:HG22	2:C:455:LEU:HD11	1.77	0.65
1:D:275:ARG:CZ	1:D:843:GLN:HG2	2.26	0.65
1:D:641:GLU:O	1:D:645:VAL:HG21	1.96	0.65
1:D:923:GLY:O	1:D:927:ARG:O	2.14	0.65
1:D:948:ILE:HG21	1:D:1071:ARG:CB	2.25	0.65
1:D:1030:ARG:C	1:D:1032:THR:H	2.04	0.65
1:D:1131:ILE:HD11	1:D:1138:ARG:HB2	1.78	0.65
1:D:1138:ARG:HG2	1:D:1138:ARG:NH1	2.07	0.65
2:E:101:PRO:HD3	2:F:128:VAL:HG21	1.78	0.65
2:E:437:ILE:O	2:E:458:ARG:HD3	1.95	0.65
2:F:69:LEU:HD23	2:F:351:TYR:CE1	2.29	0.65
2:F:395:LEU:HD23	2:F:448:LEU:HD11	1.77	0.65
1:A:190:PRO:HB3	1:A:192:GLU:HG3	1.78	0.65
1:A:253:ALA:O	1:A:254:SER:HB3	1.95	0.65
1:A:298:HIS:NE2	1:A:358:LEU:HD22	2.11	0.65
1:A:303:GLY:O	1:A:1025:LEU:CD1	2.44	0.65
1:A:392:LEU:HD23	1:A:392:LEU:C	2.22	0.65
1:A:474:LEU:N	1:A:474:LEU:CD1	2.59	0.65
1:A:601:LYS:HD2	1:A:616:GLU:HB3	1.78	0.65
1:A:612:LEU:HD23	1:A:620:TRP:CB	2.26	0.65
1:A:664:GLY:HA2	1:A:667:GLN:HE21	1.61	0.65
1:A:893:SER:C	1:A:895:GLU:N	2.48	0.65
1:A:898:ILE:CG1	1:A:899:ALA:N	2.59	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:289:LEU:HB3	2:B:300:ILE:CG1	2.27	0.65
2:B:303:LEU:N	2:B:303:LEU:HD12	2.11	0.65
2:C:204:LEU:HG	2:C:206:TYR:HB3	1.77	0.65
2:C:270:PRO:HA	2:C:273:PHE:CD2	2.32	0.65
2:C:423:SER:HB2	2:C:427:GLN:OE1	1.96	0.65
2:C:439:PHE:HB3	2:C:458:ARG:HB2	1.78	0.65
1:D:80:SER:HB2	1:D:125:LEU:CB	2.27	0.65
1:D:297:MET:CG	1:D:411:LEU:HD22	2.21	0.65
1:D:798:ILE:HG22	1:D:869:ARG:NH1	2.10	0.65
1:D:999:ASP:O	1:D:1001:GLY:N	2.30	0.65
1:D:1008:LEU:O	1:D:1011:PRO:HD2	1.96	0.65
1:D:1031:GLU:CD	1:D:1096:ARG:NH2	2.54	0.65
1:D:1141:VAL:HG23	1:D:1146:ARG:NH2	2.10	0.65
2:F:326:ASP:CG	2:F:329:LYS:HB2	2.22	0.65
1:A:213:VAL:HG21	1:A:397:ALA:HA	1.78	0.65
1:A:498:LYS:HE2	1:A:499:LYS:N	2.08	0.65
1:A:553:LYS:HD2	2:C:468:ILE:HG22	1.79	0.65
1:A:582:ASP:O	1:A:583:PRO:C	2.39	0.65
1:A:612:LEU:CD2	1:A:621:GLY:N	2.50	0.65
1:A:1026:ARG:HB3	1:A:1029:GLN:NE2	2.10	0.65
2:B:229:LYS:HD2	2:B:229:LYS:N	2.10	0.65
2:B:269:SER:O	2:B:271:SER:N	2.27	0.65
2:C:209:ALA:HB2	2:C:239:LEU:HA	1.77	0.65
2:C:307:GLY:C	2:C:308:ASP:OD2	2.39	0.65
2:C:353:SER:CB	2:C:373:LYS:O	2.44	0.65
1:D:267:VAL:O	1:D:269:HIS:CE1	2.49	0.65
1:D:458:GLU:N	1:D:460:LYS:HZ2	1.94	0.65
1:D:798:ILE:HA	1:D:869:ARG:NH2	2.12	0.65
1:D:1014:ARG:HD2	1:D:1014:ARG:C	2.21	0.65
1:D:1048:ALA:O	1:D:1052:GLY:N	2.29	0.65
2:E:130:ALA:N	2:E:210:GLN:HE22	1.94	0.65
2:E:400:GLN:O	2:E:403:PHE:N	2.30	0.65
2:F:197:LEU:HD11	2:F:322:LEU:CD2	2.27	0.65
2:F:294:PRO:HG3	2:F:355:GLN:NE2	2.11	0.65
2:F:342:LEU:CB	2:F:344:ARG:HB2	2.27	0.65
1:A:87:ILE:CG2	1:A:1166:TYR:OH	2.44	0.65
1:A:241:PRO:C	1:A:244:LEU:H	2.04	0.65
1:A:352:SER:C	1:A:358:LEU:HD21	2.22	0.65
1:A:556:THR:CG2	2:C:452:LEU:CB	2.75	0.65
1:A:601:LYS:HE2	1:A:616:GLU:OE2	1.96	0.65
1:A:624:VAL:O	1:A:745:PRO:O	2.15	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:739:TYR:C	1:A:741:ASP:O	2.39	0.65
1:A:878:VAL:C	1:A:879:GLN:NE2	2.54	0.65
1:A:1060:LYS:CD	1:A:1073:PRO:HB2	2.25	0.65
1:A:1133:ILE:HD13	1:A:1134:HIS:HB2	1.78	0.65
1:A:1164:PHE:HD2	1:A:1168:LEU:HD11	1.60	0.65
2:B:113:GLU:C	2:B:262:TRP:HZ2	2.04	0.65
2:C:200:VAL:O	2:C:200:VAL:HG12	1.95	0.65
2:C:387:VAL:HG12	2:C:443:VAL:HB	1.79	0.65
1:D:275:ARG:HH21	1:D:842:PRO:CA	2.09	0.65
1:D:279:ARG:HB3	1:D:841:LEU:CB	2.24	0.65
1:D:308:GLN:NE2	1:D:1027:LYS:NZ	2.44	0.65
1:D:721:ALA:O	1:D:722:ARG:HB2	1.96	0.65
1:D:732:TYR:N	1:D:732:TYR:HD2	1.92	0.65
1:D:783:PRO:HG2	1:D:784:GLY:H	1.61	0.65
2:E:214:CYS:SG	2:E:236:GLU:CD	2.79	0.65
2:E:283:GLY:HA3	2:E:306:LEU:CA	2.24	0.65
2:E:417:TYR:CD1	2:E:418:LEU:HG	2.31	0.65
2:F:431:LYS:HZ1	2:F:435:MET:HG2	1.60	0.65
1:A:136:ASP:O	1:A:140:ARG:HG2	1.97	0.65
1:A:211:LEU:HG	1:A:221:TYR:CB	2.26	0.65
1:A:305:SER:HB2	1:A:308:GLN:HG3	1.77	0.65
1:A:660:CYS:SG	1:A:745:PRO:CG	2.83	0.65
1:A:862:ALA:HB1	1:A:875:LYS:HE3	1.79	0.65
1:A:1133:ILE:HD13	1:A:1133:ILE:C	2.21	0.65
2:B:306:LEU:O	2:B:308:ASP:N	2.29	0.65
2:C:110:LEU:O	2:C:111:ALA:C	2.40	0.65
2:C:204:LEU:CD2	2:C:206:TYR:CG	2.80	0.65
2:C:305:ASN:C	2:C:335:VAL:HG11	2.21	0.65
1:D:177:ARG:HE	1:D:216:SER:H	1.43	0.65
1:D:313:ILE:HG13	1:D:314:ALA:H	1.62	0.65
1:D:371:LYS:HE2	1:D:396:CYS:SG	2.37	0.65
1:D:668:LEU:O	1:D:671:GLN:CB	2.35	0.65
1:D:768:LYS:CA	1:D:772:PRO:HG3	2.26	0.65
1:D:780:GLN:OE1	1:D:780:GLN:CA	2.45	0.65
1:D:798:ILE:N	1:D:869:ARG:NH1	2.45	0.65
1:D:929:THR:O	1:D:933:SER:HB3	1.96	0.65
1:D:983:GLN:HA	1:D:983:GLN:HE21	1.62	0.65
2:E:372:LEU:O	2:E:458:ARG:HD2	1.96	0.65
1:A:392:LEU:O	1:A:395:TYR:N	2.24	0.65
1:A:479:TYR:O	1:A:480:LYS:CG	2.40	0.65
1:A:784:GLY:HA3	2:C:363:ARG:HG2	1.78	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:966:LEU:HD12	1:A:967:MET:N	2.12	0.65
1:D:175:TRP:CZ2	1:D:183:GLU:HG3	2.31	0.65
1:D:177:ARG:HB3	1:D:218:SER:CB	2.22	0.65
1:D:301:ILE:O	1:D:1024:ASP:HB2	1.97	0.65
1:D:406:VAL:HG22	1:D:407:PHE:N	2.10	0.65
1:D:776:ASP:CB	1:D:796:LYS:HZ3	2.10	0.65
1:D:876:ALA:CA	1:D:1189:LEU:HB2	2.23	0.65
1:D:913:CYS:O	1:D:917:GLY:CA	2.45	0.65
1:D:996:ARG:N	1:D:996:ARG:HD3	2.10	0.65
2:E:200:VAL:O	2:F:418:LEU:HD21	1.96	0.65
2:F:270:PRO:HA	2:F:273:PHE:CD2	2.32	0.65
2:F:375:HIS:HB3	2:F:378:LEU:HD22	1.77	0.65
1:A:301:ILE:HD13	1:A:414:PHE:CB	2.27	0.65
1:A:417:ARG:HG2	1:A:417:ARG:NH1	2.10	0.65
1:A:577:CYS:SG	1:A:578:PRO:HD3	2.37	0.65
1:A:851:THR:CG2	1:A:853:ARG:HB2	2.27	0.65
1:A:907:PHE:CZ	1:A:1001:GLY:N	2.65	0.65
1:A:1133:ILE:CG2	1:A:1136:GLU:HB2	2.26	0.65
1:A:1236:GLN:NE2	1:A:1236:GLN:N	2.41	0.65
2:B:67:GLU:CB	2:B:70:LEU:HB2	2.24	0.65
2:B:215:PHE:CE2	2:B:233:GLU:HG2	2.32	0.65
1:D:359:VAL:O	1:D:360:HIS:C	2.37	0.65
1:D:414:PHE:C	1:D:417:ARG:HB2	2.21	0.65
1:D:576:LEU:CG	1:D:577:CYS:N	2.58	0.65
1:D:804:ALA:HB1	1:D:808:ILE:HD11	1.78	0.65
1:D:957:ALA:HB3	1:D:961:PHE:CE1	2.32	0.65
2:E:437:ILE:HG22	2:E:439:PHE:N	2.12	0.65
2:F:311:LEU:HA	2:F:314:MET:HB2	1.78	0.65
2:F:385:LEU:O	2:F:416:GLY:CA	2.43	0.65
1:A:196:VAL:CG1	1:A:269:HIS:CD2	2.78	0.65
1:A:813:VAL:HG11	1:A:815:TRP:CZ2	2.32	0.65
1:A:848:GLY:O	1:A:849:THR:HB	1.96	0.65
1:A:1108:TYR:HA	1:A:1164:PHE:HZ	1.61	0.65
1:A:1190:ARG:CZ	1:A:1197:CYS:CB	2.70	0.65
2:B:217:PRO:HB2	2:B:231:ILE:HG22	1.79	0.65
2:B:309:HIS:ND1	2:B:309:HIS:N	2.43	0.65
2:C:309:HIS:HA	2:C:312:LEU:HD12	1.78	0.65
2:C:439:PHE:CB	2:C:457:SER:O	2.44	0.65
1:D:113:TRP:HA	1:D:116:PRO:HG2	1.77	0.65
1:D:251:THR:O	1:D:254:SER:C	2.39	0.65
1:D:256:PRO:HB3	1:D:281:GLN:CB	2.26	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:460:LYS:HE2	1:D:460:LYS:CA	2.19	0.65
1:D:502:LYS:HG2	1:D:506:GLU:OE1	1.97	0.65
1:D:597:ARG:HB3	1:D:616:GLU:CD	2.22	0.65
1:D:612:LEU:HG	1:D:622:TYR:N	2.10	0.65
1:D:618:HIS:HA	1:D:762:VAL:HG21	1.78	0.65
2:E:240:VAL:HG12	2:E:242:PHE:CE2	2.31	0.65
2:F:290:TYR:HA	2:F:298:GLU:O	1.97	0.65
1:A:1209:ARG:HH22	2:C:256:LEU:CD2	2.10	0.65
2:B:114:TRP:O	2:B:117:SER:HB3	1.97	0.65
2:B:293:PHE:HB2	2:B:297:LYS:HA	1.79	0.65
2:B:324:GLY:HA3	2:B:325:ARG:NH2	2.12	0.65
2:C:305:ASN:CA	2:C:335:VAL:HG11	2.27	0.65
2:C:464:GLU:OE2	2:C:466:MET:HG2	1.97	0.65
1:D:112:LEU:HD23	1:D:920:THR:HB	1.78	0.65
1:D:719:LEU:CG	1:D:720:THR:H	2.09	0.65
1:D:897:TRP:CZ2	1:D:1173:LEU:HD22	2.32	0.65
1:D:1136:GLU:OE2	1:D:1191:LYS:HE3	1.96	0.65
2:E:194:VAL:HG13	2:E:195:ASN:H	1.59	0.65
2:F:242:PHE:HA	2:F:334:CYS:O	1.96	0.65
2:F:309:HIS:CA	2:F:312:LEU:HD12	2.25	0.65
1:A:175:TRP:CD1	1:A:176:THR:H	2.15	0.64
1:A:228:LEU:HD23	1:A:229:VAL:H	1.62	0.64
1:A:410:GLN:C	1:A:412:PRO:HD2	2.22	0.64
1:A:417:ARG:HH11	1:A:417:ARG:CG	2.10	0.64
1:A:418:CYS:N	1:A:419:PRO:CD	2.60	0.64
1:A:493:GLN:O	1:A:494:GLU:CG	2.42	0.64
1:A:553:LYS:O	1:A:556:THR:HB	1.97	0.64
1:A:573:TYR:C	1:A:574:ARG:HG3	2.22	0.64
1:A:612:LEU:HD23	1:A:620:TRP:CA	2.28	0.64
1:A:612:LEU:HD23	1:A:620:TRP:HA	1.79	0.64
1:A:766:PHE:O	1:A:767:ALA:C	2.40	0.64
1:A:1232:GLU:OE2	1:A:1234:ARG:NH2	2.30	0.64
2:B:259:ARG:C	2:B:261:GLN:N	2.51	0.64
2:B:396:ARG:HG3	2:B:417:TYR:CB	2.25	0.64
2:C:129:ASP:OD1	2:C:131:LEU:CD1	2.44	0.64
2:C:431:LYS:CA	2:C:434:GLU:OE1	2.38	0.64
2:C:473:ASP:CA	2:C:476:ILE:HG23	2.24	0.64
1:D:301:ILE:O	1:D:1024:ASP:CG	2.39	0.64
1:D:404:HIS:O	1:D:408:GLN:N	2.29	0.64
1:D:462:SER:O	1:D:466:LEU:HD22	1.97	0.64
1:D:481:GLU:O	1:D:482:ASP:OD1	2.15	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:608:ASP:O	1:D:610:PHE:N	2.30	0.64
1:D:658:LYS:HE3	1:D:713:PRO:CG	2.27	0.64
1:D:770:PHE:O	1:D:774:MET:CG	2.45	0.64
1:D:854:ALA:O	1:D:855:VAL:HG22	1.96	0.64
2:E:205:PRO:CG	2:E:241:TRP:HE1	2.10	0.64
2:E:418:LEU:HD13	2:F:122:ARG:HE	1.62	0.64
2:F:238:SER:HA	2:F:338:VAL:CG1	2.24	0.64
1:A:444:TYR:CE2	1:A:874:LEU:HA	2.32	0.64
1:A:645:VAL:O	1:A:646:VAL:CG1	2.38	0.64
1:A:744:ILE:HB	1:A:745:PRO:CD	2.24	0.64
1:A:769:ASP:C	1:A:772:PRO:HD2	2.22	0.64
1:A:849:THR:HG22	1:A:851:THR:N	2.08	0.64
1:A:907:PHE:CE1	1:A:1001:GLY:HA3	2.31	0.64
1:A:907:PHE:HZ	1:A:1001:GLY:H	1.45	0.64
1:A:1145:ASP:CA	1:A:1148:ARG:HB2	2.28	0.64
1:A:1153:LEU:HD13	1:A:1157:ASN:ND2	2.13	0.64
2:B:99:PHE:HE1	2:B:343:ASP:OD1	1.81	0.64
2:B:341:ASP:O	2:B:344:ARG:HD2	1.97	0.64
2:C:242:PHE:HB3	2:C:333:PRO:CB	2.21	0.64
2:C:371:VAL:HG23	2:C:433:ASP:HB3	1.78	0.64
1:D:142:LEU:HD22	1:D:1118:TRP:CD1	2.33	0.64
1:D:278:ILE:CD1	1:D:291:PHE:HD1	2.10	0.64
1:D:301:ILE:O	1:D:1024:ASP:OD1	2.15	0.64
1:D:408:GLN:HA	1:D:411:LEU:HD11	1.78	0.64
1:D:591:LEU:CD1	1:D:594:LEU:CG	2.70	0.64
1:D:732:TYR:HB3	1:D:755:LYS:NZ	2.12	0.64
1:D:1014:ARG:CD	1:D:1026:ARG:HG3	2.27	0.64
1:D:1141:VAL:HG21	1:D:1149:ALA:CB	2.27	0.64
2:E:239:LEU:HD23	2:E:338:VAL:CG2	2.26	0.64
2:E:261:GLN:O	2:E:265:LYS:HB2	1.97	0.64
2:F:343:ASP:C	2:F:347:LEU:CD1	2.70	0.64
1:A:184:ALA:C	1:A:186:PRO:HD3	2.23	0.64
1:A:204:ALA:C	1:A:206:GLY:H	2.04	0.64
1:A:301:ILE:HD13	1:A:414:PHE:HB2	1.79	0.64
1:A:472:GLN:CG	2:C:460:THR:CA	2.67	0.64
1:A:732:TYR:HD1	1:A:755:LYS:HZ3	1.40	0.64
1:A:813:VAL:CG2	1:A:814:VAL:H	2.10	0.64
1:A:898:ILE:HD11	1:A:1101:VAL:CG1	2.27	0.64
1:A:1033:ALA:O	1:A:1034:ARG:HB2	1.97	0.64
1:A:1131:ILE:HG21	1:A:1137:VAL:HA	1.75	0.64
1:A:1190:ARG:HD3	1:A:1197:CYS:SG	2.38	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:213:VAL:HA	2:B:235:THR:C	2.22	0.64
2:B:311:LEU:CD1	2:B:322:LEU:HD13	2.27	0.64
2:C:205:PRO:O	2:C:241:TRP:NE1	2.27	0.64
2:C:235:THR:O	2:C:341:ASP:CG	2.41	0.64
2:C:336:LEU:HD23	2:C:337:SER:C	2.21	0.64
2:C:354:PHE:O	2:C:355:GLN:C	2.40	0.64
2:C:357:THR:O	2:C:358:GLU:CG	2.44	0.64
1:D:267:VAL:HG23	1:D:289:MET:HE3	1.79	0.64
1:D:472:GLN:HG3	2:F:460:THR:OG1	1.97	0.64
1:D:608:ASP:HA	1:D:620:TRP:CZ3	2.33	0.64
1:D:665:LYS:C	1:D:669:MET:HG2	2.22	0.64
1:D:1026:ARG:N	1:D:1026:ARG:CD	2.60	0.64
2:E:253:ASP:O	2:E:256:LEU:HB3	1.96	0.64
2:F:237:ALA:O	2:F:339:ASN:O	2.16	0.64
2:F:306:LEU:C	2:F:335:VAL:HB	2.22	0.64
1:A:213:VAL:HG11	1:A:397:ALA:HB1	1.80	0.64
1:A:282:TYR:OH	1:A:432:VAL:HG22	1.97	0.64
1:A:484:TRP:HA	1:A:484:TRP:CE3	2.32	0.64
1:A:729:GLN:HB2	1:A:731:SER:OG	1.98	0.64
1:A:755:LYS:HD3	1:A:964:ARG:HH11	1.58	0.64
1:A:886:LEU:HD22	1:A:1140:LEU:HG	1.78	0.64
2:B:374:LEU:N	2:B:458:ARG:NH2	2.38	0.64
2:B:396:ARG:HH11	2:B:417:TYR:HD2	1.39	0.64
2:C:228:VAL:HG23	2:C:228:VAL:O	1.98	0.64
2:C:386:ASP:O	2:C:387:VAL:HG13	1.96	0.64
1:D:302:SER:CB	1:D:351:SER:CB	2.73	0.64
1:D:309:ARG:O	1:D:313:ILE:N	2.25	0.64
1:D:309:ARG:C	1:D:313:ILE:HG23	2.22	0.64
1:D:618:HIS:HB2	1:D:725:PRO:HG2	1.78	0.64
1:D:653:GLU:O	1:D:656:TYR:HB2	1.97	0.64
1:D:877:MET:HE1	1:D:1203:PRO:CA	2.26	0.64
1:D:886:LEU:C	1:D:1146:ARG:NH1	2.50	0.64
2:E:101:PRO:N	2:F:128:VAL:HG21	2.12	0.64
2:E:288:LYS:HB3	2:E:299:LEU:HD12	1.79	0.64
2:F:357:THR:HA	2:F:370:LYS:HZ1	1.60	0.64
2:F:446:THR:O	2:F:450:ASN:N	2.30	0.64
1:A:113:TRP:HA	1:A:116:PRO:HD3	1.79	0.64
1:A:163:PRO:CB	1:A:164:PRO:CD	2.75	0.64
1:A:275:ARG:NH2	1:A:844:VAL:C	2.55	0.64
1:A:553:LYS:HD3	2:C:468:ILE:HG21	1.80	0.64
1:A:608:ASP:HB3	1:A:779:LEU:HB2	1.78	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:880:ALA:H	1:A:881:PRO:HD3	1.61	0.64
1:A:1043:VAL:HG13	1:A:1046:GLU:CB	2.10	0.64
1:A:1129:PHE:HB3	1:A:1139:TYR:HA	1.80	0.64
1:A:1188:CYS:O	1:A:1189:LEU:HD22	1.97	0.64
2:B:114:TRP:NE1	2:B:259:ARG:NE	2.45	0.64
2:B:389:ARG:HB2	2:B:445:GLU:H	1.62	0.64
2:C:194:VAL:O	2:C:197:LEU:HB3	1.97	0.64
2:C:241:TRP:HZ3	2:C:255:TRP:CE2	2.16	0.64
2:C:263:TRP:HZ2	2:C:301:GLU:OE2	1.81	0.64
2:C:317:GLY:CA	2:C:320:SER:CB	2.74	0.64
2:C:475:LEU:HA	2:C:478:TYR:HB2	1.78	0.64
1:D:270:ASN:N	1:D:274:ASP:OD1	2.31	0.64
1:D:282:TYR:CE2	1:D:432:VAL:HG13	2.32	0.64
1:D:298:HIS:CE1	1:D:362:LEU:HD11	2.33	0.64
1:D:1067:SER:HB2	1:D:1071:ARG:HB3	1.79	0.64
2:E:133:HIS:CE1	2:F:231:ILE:HG22	2.32	0.64
2:E:301:GLU:HG2	2:E:303:LEU:HD11	1.78	0.64
2:E:324:GLY:N	2:E:331:VAL:O	2.30	0.64
2:E:442:LEU:HD13	2:E:442:LEU:C	2.23	0.64
2:F:74:GLN:HG3	2:F:75:ARG:N	2.10	0.64
2:F:194:VAL:O	2:F:197:LEU:HD22	1.98	0.64
2:F:273:PHE:CE1	2:F:291:TYR:HD1	2.15	0.64
2:F:301:GLU:HG2	2:F:339:ASN:HB3	1.78	0.64
2:F:346:MET:SD	2:F:346:MET:C	2.81	0.64
1:A:597:ARG:HB3	1:A:616:GLU:OE1	1.98	0.64
1:A:918:TRP:C	1:A:920:THR:N	2.52	0.64
1:A:937:THR:O	1:A:940:GLY:N	2.30	0.64
2:B:246:ARG:C	2:B:248:SER:H	2.06	0.64
2:B:423:SER:OG	2:B:428:LEU:HD22	1.97	0.64
2:C:204:LEU:CG	2:C:206:TYR:HB3	2.27	0.64
2:C:243:THR:O	2:C:334:CYS:SG	2.56	0.64
2:C:243:THR:HB	2:C:247:THR:HG1	1.62	0.64
1:D:142:LEU:O	1:D:146:GLN:HG2	1.97	0.64
1:D:196:VAL:HG12	1:D:268:GLY:H	1.62	0.64
1:D:265:LEU:CD2	1:D:267:VAL:HG13	2.27	0.64
1:D:455:LEU:HD12	1:D:869:ARG:CZ	2.27	0.64
1:D:930:ASP:OD2	1:D:930:ASP:C	2.40	0.64
2:E:200:VAL:CG1	2:F:418:LEU:CD2	2.76	0.64
2:E:386:ASP:OD2	2:E:442:LEU:HA	1.97	0.64
2:E:437:ILE:HG21	2:E:440:THR:OG1	1.98	0.64
2:E:475:LEU:O	2:E:479:ILE:N	2.31	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:82:SER:O	2:F:83:LYS:HG3	1.97	0.64
2:F:375:HIS:N	2:F:378:LEU:HD22	2.06	0.64
2:F:416:GLY:CA	2:F:419:GLU:HB3	2.28	0.64
2:F:442:LEU:CA	2:F:455:LEU:HD22	2.27	0.64
1:A:604:ALA:CB	1:A:717:LEU:HD11	2.27	0.64
2:C:262:TRP:O	2:C:265:LYS:HB3	1.97	0.64
2:C:425:LEU:HD13	2:C:442:LEU:HD11	1.79	0.64
1:D:80:SER:O	1:D:83:LEU:HD13	1.97	0.64
1:D:223:TRP:CD1	1:D:223:TRP:N	2.65	0.64
1:D:288:ARG:HG3	1:D:288:ARG:NH1	2.13	0.64
1:D:597:ARG:HB3	1:D:616:GLU:OE2	1.97	0.64
1:D:826:ILE:HG12	1:D:827:ARG:H	1.62	0.64
1:D:948:ILE:HD12	1:D:1071:ARG:HB3	1.79	0.64
1:D:1027:LYS:CB	1:D:1091:GLU:HA	2.27	0.64
1:D:1227:THR:O	1:D:1227:THR:OG1	2.10	0.64
2:F:78:PHE:C	2:F:100:GLY:H	2.06	0.64
2:F:317:GLY:HA2	2:F:320:SER:CB	2.24	0.64
2:F:376:PRO:HG3	2:F:482:ALA:HB1	1.79	0.64
2:F:384:ALA:HB2	2:F:437:ILE:HD12	1.77	0.64
2:F:446:THR:C	2:F:449:GLU:H	2.06	0.64
2:F:474:PHE:HA	2:F:477:LYS:HD3	1.77	0.64
1:A:83:LEU:O	1:A:85:GLU:N	2.30	0.64
1:A:1140:LEU:HD23	1:A:1141:VAL:N	2.12	0.64
2:C:200:VAL:CG1	2:C:204:LEU:HB2	2.28	0.64
2:C:351:TYR:O	2:C:355:GLN:N	2.24	0.64
2:C:354:PHE:CE1	2:C:370:LYS:HB3	2.32	0.64
2:C:395:LEU:HD21	2:C:443:VAL:HB	1.80	0.64
2:C:396:ARG:NH1	2:C:397:GLN:CA	2.60	0.64
1:D:73:PRO:HG3	1:D:90:GLN:CG	2.24	0.64
1:D:76:ILE:CB	1:D:911:HIS:NE2	2.61	0.64
1:D:204:ALA:O	1:D:205:GLU:HG2	1.98	0.64
1:D:472:GLN:HB3	2:F:460:THR:C	2.23	0.64
1:D:586:THR:H	1:D:587:PRO:HD3	1.63	0.64
1:D:592:LEU:CA	1:D:595:GLN:HG3	2.19	0.64
1:D:608:ASP:OD2	1:D:612:LEU:HB2	1.97	0.64
1:D:873:GLU:HB3	1:D:1200:PRO:HD3	1.78	0.64
1:D:885:THR:O	1:D:1140:LEU:HD23	1.98	0.64
1:D:914:THR:OG1	1:D:999:ASP:CB	2.46	0.64
1:D:917:GLY:O	1:D:920:THR:CA	2.46	0.64
1:D:1019:TRP:HD1	1:D:1020:ILE:N	1.94	0.64
1:D:1131:ILE:O	1:D:1137:VAL:HA	1.98	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1207:GLU:OE2	1:D:1210:TYR:HE2	1.80	0.64
2:E:456:ARG:HD2	2:E:461:THR:C	2.23	0.64
2:F:120:VAL:CG2	2:F:121:PHE:N	2.61	0.64
2:F:456:ARG:HB2	2:F:463:LYS:HA	1.79	0.64
1:A:83:LEU:O	1:A:84:HIS:C	2.41	0.64
1:A:732:TYR:CD1	1:A:755:LYS:NZ	2.62	0.64
1:A:776:ASP:C	1:A:776:ASP:OD1	2.41	0.64
1:A:807:ARG:O	1:A:810:SER:OG	2.15	0.64
1:A:868:ASP:CG	1:A:1199:THR:HG21	2.23	0.64
1:A:996:ARG:CZ	1:A:1003:TRP:HB3	2.28	0.64
2:C:238:SER:HA	2:C:338:VAL:HB	1.80	0.64
2:C:351:TYR:C	2:C:355:GLN:CB	2.60	0.64
2:C:356:LEU:CD1	2:C:359:ASN:HD21	2.10	0.64
2:C:454:HIS:CB	2:C:466:MET:HB2	2.26	0.64
2:C:456:ARG:HG2	2:C:457:SER:N	2.11	0.64
1:D:116:PRO:HB3	1:D:921:LEU:HD11	1.78	0.64
1:D:247:LEU:O	1:D:248:GLU:CB	2.44	0.64
1:D:255:SER:HG	1:D:258:GLN:H	1.41	0.64
1:D:438:ASN:O	1:D:441:TRP:CB	2.45	0.64
1:D:633:LYS:CB	1:D:638:THR:CG2	2.76	0.64
2:E:369:ARG:HA	2:E:430:SER:CB	2.28	0.64
2:F:241:TRP:CB	2:F:336:LEU:CB	2.71	0.64
2:F:403:PHE:O	2:F:407:LEU:N	2.28	0.64
2:F:468:ILE:HG13	2:F:472:LYS:HE3	1.79	0.64
1:A:528:GLU:HA	1:A:528:GLU:OE2	1.97	0.64
1:A:542:ASP:O	1:A:546:ARG:N	2.24	0.64
1:A:606:THR:HG23	1:A:613:HIS:H	1.59	0.64
1:A:648:PRO:O	1:A:652:ILE:N	2.28	0.64
1:A:813:VAL:HG23	1:A:814:VAL:H	1.63	0.64
1:A:890:ASP:OD1	1:A:1136:GLU:HG3	1.98	0.64
2:C:253:ASP:O	2:C:257:ARG:HD2	1.98	0.64
2:C:417:TYR:HD2	2:C:417:TYR:H	0.82	0.64
2:C:474:PHE:HA	2:C:477:LYS:HD2	1.79	0.64
1:D:259:ARG:CZ	1:D:259:ARG:CA	2.62	0.64
1:D:460:LYS:O	1:D:461:LYS:C	2.38	0.64
1:D:556:THR:CA	1:D:559:LEU:HD23	2.21	0.64
1:D:624:VAL:C	1:D:626:GLY:N	2.49	0.64
1:D:741:ASP:O	1:D:742:VAL:HB	1.95	0.64
1:D:767:ALA:HB3	1:D:771:LEU:HB2	1.80	0.64
1:D:865:ALA:HB2	1:D:872:SER:O	1.98	0.64
1:D:1008:LEU:C	1:D:1008:LEU:HD22	2.22	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:254:PHE:CB	2:E:257:ARG:HH11	2.08	0.64
2:E:259:ARG:NH1	2:E:263:TRP:HE1	1.95	0.64
1:A:192:GLU:HB2	1:A:195:LEU:CD2	2.29	0.63
1:A:275:ARG:HH21	1:A:845:VAL:CA	2.04	0.63
1:A:624:VAL:CG1	1:A:747:CYS:SG	2.86	0.63
1:A:652:ILE:HA	1:A:655:LEU:CG	2.27	0.63
1:A:878:VAL:HG12	1:A:879:GLN:NE2	2.13	0.63
1:A:1040:LYS:CB	1:A:1044:VAL:HG11	2.28	0.63
2:B:87:SER:C	2:B:89:ASP:H	2.06	0.63
2:C:190:LEU:HB2	2:C:314:MET:HE2	1.80	0.63
2:C:203:ARG:N	2:C:325:ARG:HD3	2.13	0.63
1:D:272:SER:CB	1:D:843:GLN:CD	2.68	0.63
1:D:307:PHE:CD2	1:D:1048:ALA:O	2.51	0.63
1:D:349:ASP:O	1:D:351:SER:N	2.31	0.63
1:D:895:GLU:O	1:D:898:ILE:HG12	1.98	0.63
1:D:993:ARG:C	1:D:996:ARG:CD	2.70	0.63
1:D:1126:ASP:N	1:D:1126:ASP:OD1	2.30	0.63
1:D:1131:ILE:N	1:D:1131:ILE:HD13	2.11	0.63
1:D:1155:ILE:O	1:D:1158:LEU:HG	1.97	0.63
2:E:270:PRO:HA	2:E:273:PHE:HE2	1.59	0.63
2:F:308:ASP:OD1	2:F:332:VAL:O	2.16	0.63
2:F:323:HIS:O	2:F:333:PRO:HD3	1.98	0.63
1:A:271:VAL:CG1	1:A:272:SER:H	1.83	0.63
1:A:275:ARG:HH22	1:A:845:VAL:HA	1.60	0.63
1:A:509:THR:HB	1:A:513:LEU:HD21	1.80	0.63
1:A:556:THR:CG2	2:C:452:LEU:HB2	2.28	0.63
1:A:591:LEU:HD12	1:A:594:LEU:CG	2.28	0.63
1:A:944:GLU:CA	1:A:947:LYS:HE3	2.28	0.63
1:A:1210:TYR:CD1	1:A:1213:PRO:HG2	2.31	0.63
2:B:116:THR:HG22	2:B:121:PHE:CE2	2.34	0.63
2:B:313:HIS:CD2	2:B:314:MET:N	2.66	0.63
2:C:268:MET:N	2:C:352:ASP:OD2	2.27	0.63
2:C:484:ASN:C	2:C:485:VAL:HG13	2.23	0.63
1:D:101:ARG:O	1:D:105:GLU:HG3	1.97	0.63
1:D:131:TYR:HB2	1:D:138:HIS:ND1	2.13	0.63
1:D:282:TYR:HB2	1:D:841:LEU:HD12	1.80	0.63
1:D:551:LYS:H	1:D:551:LYS:CE	2.10	0.63
1:D:576:LEU:CD1	1:D:577:CYS:H	2.12	0.63
1:D:632:ALA:CB	1:D:657:ARG:HD2	2.28	0.63
1:D:795:ASN:C	1:D:798:ILE:HG12	2.22	0.63
1:D:869:ARG:N	1:D:1200:PRO:HB2	2.08	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1026:ARG:CZ	1:D:1029:GLN:OE1	2.46	0.63
2:E:268:MET:CE	2:E:373:LYS:HD3	2.28	0.63
2:F:88:ARG:NH1	2:F:88:ARG:HB2	2.13	0.63
2:F:300:ILE:HG22	2:F:301:GLU:H	1.62	0.63
2:F:351:TYR:HD1	2:F:355:GLN:HG2	1.62	0.63
2:F:432:TYR:CG	2:F:437:ILE:HD11	2.32	0.63
1:A:363:ARG:O	1:A:364:LEU:HD12	1.98	0.63
1:A:433:SER:HB2	1:A:1129:PHE:CE1	2.33	0.63
1:A:539:PHE:O	1:A:540:GLN:CB	2.45	0.63
1:A:586:THR:N	1:A:587:PRO:HD2	2.14	0.63
1:A:652:ILE:O	1:A:655:LEU:CD1	2.46	0.63
1:A:657:ARG:HA	1:A:660:CYS:HB3	1.79	0.63
1:A:868:ASP:O	1:A:869:ARG:CB	2.46	0.63
1:A:890:ASP:OD2	1:A:1191:LYS:NZ	2.30	0.63
1:A:1015:THR:C	1:A:1016:GLU:OE2	2.41	0.63
2:B:231:ILE:HD11	2:C:135:PRO:CG	2.29	0.63
2:B:261:GLN:O	2:B:265:LYS:N	2.30	0.63
2:C:88:ARG:HB2	2:C:88:ARG:NH1	2.14	0.63
2:C:387:VAL:HG12	2:C:395:LEU:HD22	1.80	0.63
2:C:394:GLU:C	2:C:397:GLN:HB3	2.23	0.63
1:D:113:TRP:CZ3	1:D:116:PRO:HD2	2.34	0.63
1:D:131:TYR:HB2	1:D:138:HIS:CE1	2.32	0.63
1:D:275:ARG:NH2	1:D:842:PRO:HB3	2.09	0.63
1:D:371:LYS:HG3	1:D:396:CYS:HB2	1.80	0.63
1:D:425:ALA:O	1:D:428:LEU:HD13	1.97	0.63
1:D:900:ALA:C	1:D:915:ALA:CB	2.71	0.63
1:D:1064:ILE:HG23	1:D:1064:ILE:O	1.97	0.63
1:D:1197:CYS:O	1:D:1199:THR:O	2.17	0.63
2:E:121:PHE:HA	2:F:407:LEU:HD11	1.80	0.63
2:E:132:HIS:HB2	2:F:233:GLU:OE2	1.98	0.63
2:F:396:ARG:HD2	2:F:396:ARG:C	2.23	0.63
2:F:454:HIS:HB2	2:F:466:MET:CB	2.28	0.63
1:A:238:GLN:O	1:A:242:ALA:HB2	1.97	0.63
1:A:436:PRO:CD	1:A:879:GLN:NE2	2.60	0.63
1:A:539:PHE:CE2	1:A:540:GLN:HG2	2.34	0.63
1:A:655:LEU:CD1	1:A:719:LEU:C	2.72	0.63
1:A:735:GLY:C	1:A:736:ASN:CG	2.66	0.63
1:A:886:LEU:C	1:A:1146:ARG:CZ	2.72	0.63
1:A:919:MET:O	1:A:920:THR:O	2.15	0.63
1:A:996:ARG:HB2	1:A:1004:LEU:CD2	2.26	0.63
2:B:374:LEU:N	2:B:458:ARG:HH22	1.90	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:481:SER:HA	2:B:484:ASN:OD1	1.98	0.63
2:C:240:VAL:CA	2:C:336:LEU:HB3	2.28	0.63
2:C:241:TRP:CB	2:C:336:LEU:CB	2.75	0.63
1:D:91:GLY:O	1:D:92:GLY:C	2.42	0.63
1:D:283:LEU:HA	1:D:434:TYR:HE1	1.61	0.63
1:D:293:ASP:CB	1:D:296:SER:HB2	2.28	0.63
1:D:416:GLU:C	1:D:418:CYS:H	2.03	0.63
1:D:516:GLU:O	1:D:517:GLY:O	2.16	0.63
1:D:612:LEU:HD11	1:D:622:TYR:CD2	2.33	0.63
1:D:788:GLY:O	1:D:791:ALA:HB3	1.98	0.63
1:D:856:GLU:HG3	1:D:860:LEU:HG	1.81	0.63
1:D:876:ALA:HA	1:D:1189:LEU:CB	2.25	0.63
2:E:200:VAL:CG1	2:F:418:LEU:HD23	2.29	0.63
2:F:240:VAL:C	2:F:336:LEU:HD13	2.23	0.63
1:A:81:ARG:NH1	1:A:126:ARG:HA	2.12	0.63
1:A:167:PRO:O	1:A:168:ALA:C	2.42	0.63
1:A:260:ASP:N	1:A:264:GLN:NE2	2.46	0.63
1:A:570:PRO:CB	1:A:572:TRP:CZ3	2.81	0.63
1:A:879:GLN:HA	1:A:879:GLN:HE21	1.63	0.63
1:A:885:THR:O	1:A:1140:LEU:HD23	1.98	0.63
1:A:1006:ARG:CA	1:A:1006:ARG:HH11	2.12	0.63
1:A:1030:ARG:CZ	1:A:1040:LYS:HG2	2.29	0.63
1:A:1112:MET:HB2	1:A:1113:LEU:HD23	1.81	0.63
2:B:270:PRO:HB3	2:B:273:PHE:CE2	2.33	0.63
2:B:445:GLU:C	2:B:447:THR:H	2.05	0.63
2:C:389:ARG:NE	2:C:390:GLY:H	1.94	0.63
1:D:495:PHE:HB2	1:D:573:TYR:HE1	1.64	0.63
1:D:658:LYS:O	1:D:662:GLU:HG2	1.98	0.63
1:D:659:HIS:CD2	1:D:719:LEU:CB	2.82	0.63
1:D:1060:LYS:HA	1:D:1060:LYS:HE3	1.81	0.63
1:D:1133:ILE:O	1:D:1136:GLU:N	2.27	0.63
2:E:102:LEU:C	2:E:102:LEU:CD1	2.71	0.63
2:E:375:HIS:ND1	2:E:376:PRO:HA	2.13	0.63
2:E:380:PRO:C	2:E:382:LYS:N	2.55	0.63
2:F:263:TRP:CZ2	2:F:301:GLU:OE2	2.51	0.63
2:F:360:SER:HB3	2:F:364:LYS:CD	2.28	0.63
2:F:363:ARG:HB3	2:F:363:ARG:CZ	2.29	0.63
2:F:442:LEU:HB2	2:F:455:LEU:CD2	2.28	0.63
2:F:470:LYS:HE3	2:F:471:LEU:HD21	1.79	0.63
1:A:301:ILE:HG23	1:A:302:SER:N	2.13	0.63
1:A:412:PRO:HG2	1:A:413:LEU:N	2.11	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:503:VAL:HG21	1:A:521:PRO:CA	2.28	0.63
1:A:658:LYS:HB2	1:A:713:PRO:O	1.99	0.63
1:A:898:ILE:HG12	1:A:899:ALA:N	2.14	0.63
1:A:914:THR:CA	1:A:918:TRP:HB3	2.23	0.63
1:A:1123:PHE:C	1:A:1125:ILE:N	2.56	0.63
2:B:472:LYS:HZ1	2:B:473:ASP:CG	2.05	0.63
2:C:201:ASN:C	2:C:203:ARG:N	2.56	0.63
2:C:425:LEU:HD11	2:C:429:TYR:CE2	2.34	0.63
1:D:136:ASP:OD2	1:D:1167:LYS:HE3	1.99	0.63
1:D:196:VAL:HG21	1:D:215:ILE:CD1	2.26	0.63
1:D:283:LEU:HA	1:D:434:TYR:CE1	2.33	0.63
1:D:601:LYS:HG2	1:D:721:ALA:HA	1.80	0.63
1:D:872:SER:HG	1:D:1200:PRO:N	1.97	0.63
2:F:323:HIS:C	2:F:331:VAL:O	2.41	0.63
2:F:375:HIS:HB3	2:F:378:LEU:HD13	1.80	0.63
2:F:400:GLN:NE2	2:F:404:ASN:CG	2.56	0.63
2:F:474:PHE:HE1	2:F:478:TYR:CD2	2.15	0.63
1:A:83:LEU:CD2	1:A:89:GLY:HA2	2.28	0.63
1:A:545:ALA:HA	1:A:548:CYS:SG	2.38	0.63
1:A:559:LEU:CB	1:A:560:PRO:CD	2.77	0.63
1:A:831:TYR:HD1	1:A:831:TYR:N	1.97	0.63
1:A:974:THR:HG22	1:A:975:GLN:N	2.14	0.63
1:A:1006:ARG:NH1	1:A:1006:ARG:CA	2.58	0.63
1:A:1131:ILE:HG23	1:A:1137:VAL:HG13	1.80	0.63
1:A:1190:ARG:NE	1:A:1197:CYS:HB2	2.12	0.63
2:B:78:PHE:O	2:B:78:PHE:HD1	1.82	0.63
2:B:381:ILE:HD13	2:B:437:ILE:HG23	1.79	0.63
2:B:451:GLY:C	2:B:452:LEU:HD22	2.24	0.63
2:C:127:PRO:CD	2:C:128:VAL:N	2.60	0.63
2:C:472:LYS:HA	2:C:475:LEU:CD1	2.28	0.63
1:D:86:GLN:C	1:D:87:ILE:HG12	2.21	0.63
1:D:175:TRP:HB2	1:D:185:VAL:CG1	2.27	0.63
1:D:439:GLN:HG2	1:D:835:GLY:HA2	1.79	0.63
1:D:457:ARG:CA	1:D:460:LYS:HD2	2.27	0.63
1:D:576:LEU:CD2	1:D:579:ARG:HE	2.11	0.63
1:D:1000:GLU:O	1:D:1003:TRP:N	2.32	0.63
2:E:75:ARG:NH1	2:E:434:GLU:OE2	2.32	0.63
2:E:380:PRO:O	2:E:382:LYS:CD	2.47	0.63
2:E:390:GLY:N	2:E:395:LEU:CG	2.54	0.63
2:F:203:ARG:NE	2:F:204:LEU:CD1	2.62	0.63
2:F:303:LEU:HA	2:F:337:SER:CB	2.29	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:387:VAL:CG1	2:F:399:CYS:HB2	2.29	0.63
1:A:224:CYS:O	1:A:227:ARG:HB3	1.98	0.63
1:A:612:LEU:HB2	1:A:621:GLY:O	1.99	0.63
1:A:1157:ASN:O	1:A:1161:ARG:HD2	1.99	0.63
2:B:127:PRO:HB2	2:C:104:VAL:CG1	2.24	0.63
2:C:336:LEU:C	2:C:336:LEU:CD2	2.72	0.63
2:C:406:LEU:HA	2:C:409:ASN:HD21	1.63	0.63
1:D:294:THR:O	1:D:298:HIS:HB2	1.98	0.63
1:D:386:ARG:O	1:D:389:PHE:CG	2.51	0.63
1:D:420:HIS:HD2	1:D:1020:ILE:CD1	1.92	0.63
1:D:544:MET:O	1:D:548:CYS:HB3	1.99	0.63
1:D:598:VAL:O	1:D:600:PRO:N	2.32	0.63
1:D:770:PHE:CZ	1:D:968:GLN:O	2.52	0.63
1:D:948:ILE:HG21	1:D:1071:ARG:HB3	1.81	0.63
1:D:1007:GLU:O	1:D:1011:PRO:CD	2.45	0.63
2:E:379:ALA:C	2:E:438:LEU:HD11	2.24	0.63
2:F:193:TYR:OH	2:F:333:PRO:HG3	1.99	0.63
2:F:215:PHE:CD1	2:F:215:PHE:N	2.65	0.63
2:F:239:LEU:N	2:F:338:VAL:CG2	2.61	0.63
2:F:353:SER:CB	2:F:373:LYS:O	2.45	0.63
1:A:74:LEU:C	1:A:76:ILE:H	2.05	0.63
1:A:228:LEU:C	1:A:228:LEU:CD2	2.69	0.63
1:A:490:TRP:HA	1:A:580:LEU:HB2	1.80	0.63
1:A:630:ASN:ND2	1:A:632:ALA:N	2.47	0.63
1:A:634:LEU:HG	1:A:635:PRO:HA	1.80	0.63
1:A:955:TYR:HB3	1:A:1098:ASN:OD1	1.98	0.63
2:B:234:LYS:HG2	2:B:341:ASP:OD2	1.99	0.63
2:C:235:THR:O	2:C:341:ASP:OD1	2.16	0.63
2:C:342:LEU:CD2	2:C:345:GLY:N	2.54	0.63
1:D:164:PRO:CD	1:D:165:LYS:H	2.10	0.63
1:D:316:LYS:CE	1:D:348:LEU:HD23	2.28	0.63
1:D:454:GLU:HA	1:D:457:ARG:HG3	1.81	0.63
1:D:561:LYS:O	1:D:562:ARG:HB2	1.97	0.63
1:D:715:GLN:HG2	1:D:717:LEU:CG	2.29	0.63
1:D:728:THR:HG22	1:D:729:GLN:H	1.64	0.63
1:D:957:ALA:HB2	1:D:1094:THR:OG1	1.99	0.63
1:D:1028:VAL:CG2	1:D:1096:ARG:NH1	2.61	0.63
1:D:1044:VAL:O	1:D:1047:ARG:CG	2.47	0.63
1:D:1171:ASN:O	1:D:1172:ASP:CB	2.47	0.63
1:A:190:PRO:C	1:A:192:GLU:HG3	2.24	0.62
1:A:539:PHE:CD2	1:A:540:GLN:HG2	2.34	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:754:HIS:O	1:A:758:ASN:N	2.32	0.62
1:A:812:MET:HG3	1:A:813:VAL:H	1.64	0.62
1:A:913:CYS:HB2	1:A:999:ASP:OD1	1.99	0.62
2:B:77:HIS:HB2	2:C:195:ASN:OD1	1.99	0.62
2:C:342:LEU:CG	2:C:344:ARG:HB2	2.29	0.62
1:D:359:VAL:CG2	1:D:406:VAL:HG21	2.29	0.62
1:D:549:LEU:CD1	2:F:401:GLY:HA3	2.26	0.62
1:D:612:LEU:CD2	1:D:622:TYR:CE1	2.79	0.62
1:D:967:MET:HA	1:D:967:MET:CE	2.27	0.62
1:D:1058:PHE:CE2	1:D:1059:ASN:HB3	2.33	0.62
2:E:104:VAL:HG21	2:F:128:VAL:C	2.24	0.62
2:F:208:LEU:HD11	2:F:240:VAL:C	2.23	0.62
1:A:129:PRO:C	1:A:130:LEU:HD12	2.24	0.62
1:A:157:LEU:HD11	1:A:195:LEU:CA	2.29	0.62
1:A:275:ARG:O	1:A:278:ILE:C	2.42	0.62
1:A:276:ALA:C	1:A:279:ARG:HB2	2.24	0.62
1:A:385:ILE:HA	1:A:388:ASN:ND2	2.14	0.62
1:A:448:ALA:CB	1:A:870:VAL:CG1	2.77	0.62
1:A:652:ILE:CA	1:A:655:LEU:HG	2.29	0.62
1:A:734:HIS:CA	1:A:752:LEU:HD11	2.29	0.62
1:A:786:ALA:HB1	1:A:790:ARG:CZ	2.28	0.62
1:A:792:LEU:CD1	1:A:793:GLU:HG2	2.29	0.62
1:A:808:ILE:O	1:A:811:GLN:CD	2.42	0.62
2:B:113:GLU:C	2:B:262:TRP:CZ2	2.78	0.62
2:B:231:ILE:HG13	2:C:135:PRO:HG3	1.79	0.62
2:B:261:GLN:HA	2:B:264:ARG:CG	2.29	0.62
2:B:311:LEU:CG	2:B:312:LEU:N	2.47	0.62
2:C:484:ASN:C	2:C:485:VAL:CG1	2.72	0.62
1:D:134:ASN:CB	1:D:137:GLN:HB2	2.29	0.62
1:D:213:VAL:CG1	1:D:401:TRP:CZ2	2.81	0.62
1:D:251:THR:OG1	1:D:254:SER:CA	2.43	0.62
1:D:316:LYS:HZ1	1:D:348:LEU:CD2	2.12	0.62
1:D:727:ASP:C	1:D:727:ASP:OD2	2.42	0.62
1:D:739:TYR:CG	1:D:740:ASN:N	2.59	0.62
1:D:877:MET:HE1	1:D:1203:PRO:O	1.99	0.62
1:D:917:GLY:O	1:D:920:THR:CB	2.46	0.62
2:E:199:LEU:HG	2:E:200:VAL:CG2	2.29	0.62
1:A:203:LEU:HD13	1:A:379:LYS:O	1.99	0.62
1:A:223:TRP:O	1:A:227:ARG:CB	2.47	0.62
1:A:228:LEU:HD22	1:A:228:LEU:N	2.15	0.62
1:A:655:LEU:HD13	1:A:719:LEU:O	1.98	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:656:TYR:CE1	1:A:744:ILE:HD12	2.34	0.62
1:A:1124:ALA:CB	1:A:1148:ARG:NH1	2.59	0.62
2:B:396:ARG:HD2	2:B:417:TYR:CB	2.25	0.62
2:B:417:TYR:C	2:B:419:GLU:N	2.54	0.62
2:C:128:VAL:CG1	2:C:192:HIS:CD2	2.82	0.62
2:C:215:PHE:N	2:C:215:PHE:CD1	2.67	0.62
2:C:399:CYS:SG	2:C:400:GLN:N	2.72	0.62
2:C:413:VAL:C	2:C:415:PRO:HD2	2.24	0.62
1:D:197:PHE:HB2	1:D:277:HIS:HE1	1.64	0.62
1:D:210:THR:HG23	1:D:224:CYS:CB	2.23	0.62
1:D:265:LEU:HG	1:D:266:VAL:C	2.24	0.62
1:D:282:TYR:HB2	1:D:841:LEU:CD1	2.29	0.62
1:D:389:PHE:HA	1:D:393:MET:HG2	1.77	0.62
1:D:452:TYR:HB3	1:D:801:TRP:CD1	2.33	0.62
1:D:459:MET:CB	1:D:460:LYS:HZ1	2.12	0.62
1:D:608:ASP:CA	1:D:620:TRP:CZ3	2.82	0.62
1:D:627:ARG:O	1:D:628:ARG:HB3	1.98	0.62
1:D:648:PRO:O	1:D:652:ILE:HG13	1.99	0.62
1:D:652:ILE:O	1:D:653:GLU:C	2.42	0.62
1:D:743:ASP:HB2	1:D:744:ILE:HD13	1.80	0.62
1:D:972:ARG:C	1:D:974:THR:N	2.55	0.62
1:D:1117:LYS:O	1:D:1121:GLU:HG2	1.99	0.62
1:D:1236:GLN:CB	1:D:1237:PRO:HD3	2.29	0.62
2:E:201:ASN:OD1	2:F:422:GLN:CB	2.47	0.62
2:E:233:GLU:OE1	2:F:131:LEU:HD12	1.98	0.62
2:E:377:CYS:C	2:E:380:PRO:CD	2.67	0.62
2:F:124:GLN:O	2:F:125:VAL:HG12	2.00	0.62
2:F:277:ASP:OD2	2:F:285:LYS:HD2	1.99	0.62
2:F:307:GLY:HA2	2:F:335:VAL:H	1.64	0.62
2:F:343:ASP:O	2:F:347:LEU:HD13	2.00	0.62
1:A:80:SER:N	1:A:83:LEU:CD1	2.55	0.62
1:A:756:ASP:OD1	1:A:770:PHE:CZ	2.53	0.62
1:A:795:ASN:HD22	1:A:796:LYS:N	1.97	0.62
1:A:869:ARG:CG	1:A:870:VAL:HG23	2.28	0.62
1:A:996:ARG:HH12	1:A:1003:TRP:C	2.08	0.62
1:A:1149:ALA:O	1:A:1152:ALA:HB3	2.00	0.62
2:B:131:LEU:HD22	2:C:233:GLU:OE2	1.99	0.62
2:B:322:LEU:O	2:B:323:HIS:O	2.17	0.62
2:C:209:ALA:CB	2:C:239:LEU:HA	2.29	0.62
2:C:395:LEU:CD2	2:C:443:VAL:O	2.47	0.62
1:D:359:VAL:C	1:D:361:ARG:N	2.49	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:400:VAL:C	1:D:403:THR:HG23	2.24	0.62
1:D:434:TYR:CG	1:D:435:LEU:N	2.67	0.62
1:D:614:TYR:HA	1:D:620:TRP:HA	1.81	0.62
1:D:748:TRP:CZ3	1:D:750:PHE:HE2	2.17	0.62
1:D:1133:ILE:HG22	1:D:1134:HIS:CD2	2.35	0.62
1:D:1200:PRO:HG2	1:D:1203:PRO:CG	2.25	0.62
2:E:233:GLU:O	2:E:234:LYS:HG3	2.00	0.62
2:E:322:LEU:C	2:E:324:GLY:N	2.55	0.62
2:E:430:SER:C	2:E:433:ASP:HB3	2.25	0.62
2:E:475:LEU:O	2:E:478:TYR:N	2.31	0.62
2:F:354:PHE:O	2:F:355:GLN:C	2.42	0.62
2:F:372:LEU:HD23	2:F:434:GLU:O	1.99	0.62
2:F:400:GLN:CD	2:F:400:GLN:C	2.66	0.62
1:A:145:LYS:O	1:A:149:PRO:CD	2.47	0.62
1:A:243:ASP:C	1:A:246:PRO:HD2	2.24	0.62
1:A:274:ASP:C	1:A:277:HIS:H	2.08	0.62
1:A:607:TRP:CA	1:A:610:PHE:O	2.40	0.62
1:A:666:GLN:HA	1:A:669:MET:HE2	1.79	0.62
1:A:767:ALA:O	1:A:768:LYS:O	2.18	0.62
1:A:851:THR:HG22	1:A:853:ARG:HB2	1.80	0.62
1:A:1145:ASP:HB3	1:A:1148:ARG:NH2	2.14	0.62
2:B:236:GLU:HA	2:B:342:LEU:H	1.63	0.62
2:B:474:PHE:O	2:B:475:LEU:HB2	1.97	0.62
2:C:114:TRP:HE1	2:C:259:ARG:NH2	1.95	0.62
2:C:114:TRP:HE1	2:C:259:ARG:NH1	1.97	0.62
2:C:255:TRP:O	2:C:256:LEU:C	2.41	0.62
2:C:264:ARG:HA	2:C:270:PRO:CB	2.28	0.62
1:D:80:SER:HB2	1:D:125:LEU:CG	2.29	0.62
1:D:257:THR:OG1	1:D:287:SER:HB2	1.98	0.62
1:D:282:TYR:CE2	1:D:432:VAL:HG22	2.29	0.62
1:D:300:ALA:CB	1:D:847:ALA:HB1	2.13	0.62
1:D:347:TRP:NE1	1:D:349:ASP:CG	2.57	0.62
1:D:484:TRP:C	1:D:484:TRP:CD1	2.77	0.62
1:D:509:THR:HB	1:D:512:LYS:CB	2.18	0.62
1:D:633:LYS:HB2	1:D:638:THR:CG2	2.29	0.62
1:D:771:LEU:O	1:D:774:MET:HB2	1.99	0.62
1:D:914:THR:C	1:D:918:TRP:HB3	2.19	0.62
1:D:1166:TYR:C	1:D:1169:GLY:H	2.06	0.62
2:E:91:LEU:HB3	2:E:347:LEU:HD11	1.81	0.62
2:E:380:PRO:N	2:E:438:LEU:CD1	2.62	0.62
2:F:68:ALA:O	2:F:72:ILE:HG12	2.00	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:114:TRP:NE1	2:F:259:ARG:CZ	2.56	0.62
1:A:157:LEU:HD21	1:A:216:SER:OG	1.99	0.62
1:A:241:PRO:O	1:A:244:LEU:HB2	1.99	0.62
1:A:382:MET:O	1:A:383:LYS:HB2	2.00	0.62
1:A:559:LEU:CD2	2:C:451:GLY:O	2.47	0.62
1:A:801:TRP:HZ3	1:A:808:ILE:HD12	1.62	0.62
1:A:990:LYS:HD3	1:A:1000:GLU:OE2	1.99	0.62
1:A:992:LEU:CD2	1:A:997:LEU:HD12	2.16	0.62
1:A:1155:ILE:HA	1:A:1158:LEU:CD1	2.29	0.62
2:B:103:GLY:O	2:B:106:LEU:HB3	1.99	0.62
2:C:352:ASP:C	2:C:352:ASP:OD1	2.41	0.62
2:C:431:LYS:NZ	2:C:435:MET:CG	2.61	0.62
1:D:282:TYR:O	1:D:434:TYR:CD1	2.52	0.62
1:D:350:ILE:HD12	1:D:350:ILE:N	2.09	0.62
1:D:357:ALA:C	1:D:359:VAL:N	2.54	0.62
1:D:546:ARG:CZ	2:F:404:ASN:HB3	2.30	0.62
1:D:631:LEU:N	1:D:631:LEU:HD23	2.15	0.62
1:D:649:TYR:HD2	1:D:652:ILE:CG2	2.12	0.62
1:D:656:TYR:CB	1:D:744:ILE:HD12	2.28	0.62
1:D:922:GLN:HE21	1:D:931:LEU:HD13	1.64	0.62
1:D:944:GLU:HG2	1:D:1071:ARG:NH1	2.14	0.62
1:D:1014:ARG:HB3	1:D:1014:ARG:HH11	1.65	0.62
1:D:1145:ASP:HA	1:D:1148:ARG:NE	2.14	0.62
1:D:1157:ASN:OD1	1:D:1161:ARG:CZ	2.47	0.62
1:D:1200:PRO:CD	1:D:1203:PRO:HG2	2.28	0.62
1:A:197:PHE:CD1	1:A:213:VAL:O	2.53	0.62
1:A:241:PRO:HA	1:A:244:LEU:HG	1.79	0.62
1:A:452:TYR:CD2	1:A:453:GLU:HG2	2.35	0.62
1:A:482:ASP:HB2	1:A:483:PRO:HD3	1.80	0.62
1:A:898:ILE:HG12	1:A:899:ALA:H	1.64	0.62
2:B:104:VAL:O	2:B:105:GLU:C	2.41	0.62
2:B:259:ARG:O	2:B:262:TRP:N	2.33	0.62
2:B:324:GLY:HA2	2:B:325:ARG:NH2	2.13	0.62
2:B:407:LEU:CD2	2:C:120:VAL:HA	2.14	0.62
2:C:198:ASP:C	2:C:198:ASP:OD1	2.42	0.62
2:C:208:LEU:HD11	2:C:240:VAL:CB	2.28	0.62
1:D:265:LEU:HD21	1:D:267:VAL:CG1	2.29	0.62
1:D:290:ARG:HB3	1:D:428:LEU:HB3	1.81	0.62
1:D:359:VAL:HG22	1:D:406:VAL:HG21	1.82	0.62
1:D:496:LYS:HE3	1:D:571:GLY:HA3	1.81	0.62
1:D:515:ILE:HG23	1:D:565:HIS:O	1.98	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:575:LYS:CE	1:D:581:ASP:O	2.47	0.62
1:D:744:ILE:CG1	1:D:745:PRO:CD	2.77	0.62
1:D:767:ALA:C	1:D:768:LYS:O	2.36	0.62
1:D:1163:MET:HG3	1:D:1164:PHE:N	2.13	0.62
2:E:106:LEU:CA	2:E:109:ASN:OD1	2.47	0.62
2:E:112:ALA:O	2:E:115:TRP:N	2.33	0.62
2:E:297:LYS:O	2:E:298:GLU:HB2	1.99	0.62
2:F:425:LEU:HD11	2:F:429:TYR:CE2	2.35	0.62
1:A:256:PRO:HB3	1:A:280:GLU:O	1.99	0.62
1:A:624:VAL:O	1:A:624:VAL:CG2	2.48	0.62
1:A:1153:LEU:CD1	1:A:1157:ASN:HD21	2.13	0.62
1:A:1200:PRO:CB	1:A:1202:ASN:O	2.46	0.62
2:B:247:THR:O	2:B:251:TRP:HB2	2.00	0.62
2:B:396:ARG:NH1	2:B:417:TYR:HD2	1.93	0.62
1:D:200:GLU:CB	1:D:211:LEU:HD13	2.30	0.62
1:D:214:ALA:HB2	1:D:219:ALA:HB3	1.81	0.62
1:D:229:VAL:HG12	1:D:382:MET:O	2.00	0.62
1:D:366:GLY:N	1:D:367:PRO:CD	2.61	0.62
1:D:429:GLU:OE1	1:D:429:GLU:HA	1.99	0.62
1:D:608:ASP:CB	1:D:620:TRP:CE3	2.78	0.62
1:D:823:ARG:O	1:D:827:ARG:N	2.18	0.62
1:D:857:PRO:C	1:D:1062:GLU:OE2	2.42	0.62
1:D:964:ARG:O	1:D:968:GLN:HG2	1.99	0.62
1:D:966:LEU:C	1:D:970:ASN:HD22	2.07	0.62
1:D:1190:ARG:NH1	1:D:1195:MET:CE	2.62	0.62
2:E:249:ASN:HA	2:E:252:LEU:HB2	1.80	0.62
1:A:669:MET:O	1:A:673:ALA:CA	2.48	0.62
1:A:886:LEU:C	1:A:1146:ARG:NH2	2.58	0.62
1:A:1068:ASP:O	1:A:1069:ILE:HG22	1.99	0.62
2:C:384:ALA:CB	2:C:437:ILE:HD12	2.29	0.62
1:D:74:LEU:HD13	1:D:76:ILE:O	2.00	0.62
1:D:175:TRP:HA	1:D:185:VAL:HG21	1.81	0.62
1:D:458:GLU:C	1:D:460:LYS:HE3	2.24	0.62
1:D:656:TYR:CE1	1:D:743:ASP:CG	2.78	0.62
1:D:860:LEU:HD22	1:D:1132:SER:O	2.00	0.62
1:D:877:MET:CE	1:D:1207:GLU:HB2	2.30	0.62
1:D:973:LEU:N	1:D:973:LEU:HD23	2.14	0.62
1:D:1196:ASP:C	1:D:1196:ASP:OD2	2.41	0.62
2:E:205:PRO:HB3	2:E:242:PHE:O	1.99	0.62
2:F:241:TRP:CG	2:F:243:THR:HG23	2.34	0.62
1:A:394:GLN:O	1:A:397:ALA:HB3	2.00	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:400:VAL:CG1	1:A:404:HIS:NE2	2.63	0.62
1:A:620:TRP:C	1:A:748:TRP:CB	2.73	0.62
1:A:623:LEU:O	1:A:625:PRO:HD2	2.00	0.62
1:A:876:ALA:O	1:A:877:MET:C	2.43	0.62
1:A:960:PRO:HD2	1:A:961:PHE:CE1	2.35	0.62
2:C:335:VAL:HG22	2:C:336:LEU:N	2.15	0.62
1:D:215:ILE:O	1:D:215:ILE:HG22	1.99	0.62
1:D:242:ALA:HB1	1:D:245:ILE:HD13	1.82	0.62
1:D:597:ARG:HD3	1:D:724:GLY:O	1.99	0.62
1:D:719:LEU:CD1	1:D:720:THR:N	2.62	0.62
1:D:735:GLY:CA	1:D:749:PHE:HA	2.30	0.62
1:D:739:TYR:O	1:D:741:ASP:N	2.33	0.62
1:D:767:ALA:O	1:D:768:LYS:HB3	2.00	0.62
1:D:1027:LYS:CB	1:D:1096:ARG:HE	2.12	0.62
1:D:1044:VAL:O	1:D:1047:ARG:HG3	1.99	0.62
1:D:1060:LYS:HD2	1:D:1060:LYS:N	2.15	0.62
2:F:240:VAL:HA	2:F:336:LEU:HB3	1.82	0.62
2:F:371:VAL:HG23	2:F:433:ASP:HB3	1.82	0.62
1:A:273:PHE:CA	1:A:276:ALA:CB	2.74	0.61
1:A:290:ARG:C	1:A:291:PHE:CD2	2.78	0.61
1:A:385:ILE:HA	1:A:388:ASN:HD22	1.65	0.61
1:A:624:VAL:H	1:A:746:GLY:HA2	1.64	0.61
1:A:771:LEU:HD22	1:A:771:LEU:N	2.09	0.61
1:A:893:SER:CB	1:A:896:LEU:HD23	2.29	0.61
1:A:1068:ASP:HA	1:A:1071:ARG:HD3	1.80	0.61
1:A:1155:ILE:O	1:A:1159:LEU:HG	1.99	0.61
2:B:419:GLU:CB	2:C:203:ARG:NH2	2.59	0.61
1:D:145:LYS:HB2	1:D:1118:TRP:CH2	2.34	0.61
1:D:213:VAL:CG2	1:D:401:TRP:CZ2	2.82	0.61
1:D:279:ARG:NH1	1:D:433:SER:O	2.32	0.61
1:D:470:ALA:O	1:D:474:LEU:CD1	2.47	0.61
1:D:656:TYR:CE1	1:D:743:ASP:CB	2.83	0.61
1:D:738:PRO:O	1:D:740:ASN:ND2	2.33	0.61
1:D:891:VAL:HG13	1:D:1135:ASP:CB	2.16	0.61
1:D:938:THR:O	1:D:939:VAL:CB	2.47	0.61
1:D:948:ILE:O	1:D:951:TYR:HB2	2.00	0.61
1:D:1010:LEU:O	1:D:1028:VAL:HG21	1.99	0.61
2:E:69:LEU:HD12	2:E:69:LEU:N	2.14	0.61
2:E:110:LEU:HA	2:E:378:LEU:CD2	2.30	0.61
2:E:203:ARG:HH21	2:E:203:ARG:HG3	1.64	0.61
2:E:406:LEU:HG	2:E:413:VAL:CG2	2.29	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:290:TYR:CD1	2:F:299:LEU:HA	2.35	0.61
2:F:385:LEU:HD21	2:F:402:LEU:HD23	1.81	0.61
1:A:169:TRP:O	1:A:170:ALA:HB3	1.99	0.61
1:A:945:HIS:HA	1:A:948:ILE:HD11	1.82	0.61
2:B:400:GLN:HE22	2:B:417:TYR:HB3	1.65	0.61
2:C:245:PRO:C	2:C:248:SER:HB2	2.24	0.61
2:C:395:LEU:HD13	2:C:444:THR:HA	1.80	0.61
2:C:398:VAL:C	2:C:401:GLY:H	2.07	0.61
2:C:416:GLY:CA	2:C:419:GLU:HB3	2.30	0.61
1:D:81:ARG:HB2	1:D:81:ARG:CZ	2.30	0.61
1:D:252:GLY:O	1:D:253:ALA:HB3	2.00	0.61
1:D:453:GLU:O	1:D:456:GLN:N	2.32	0.61
1:D:499:LYS:HE3	1:D:499:LYS:O	2.00	0.61
1:D:576:LEU:HD23	1:D:579:ARG:HE	1.64	0.61
1:D:827:ARG:O	1:D:829:PRO:CD	2.30	0.61
1:D:831:TYR:HD1	1:D:831:TYR:O	1.83	0.61
1:D:869:ARG:CA	1:D:1200:PRO:HB2	2.30	0.61
1:D:902:LEU:O	1:D:905:ALA:HB3	1.99	0.61
1:D:1131:ILE:CD1	1:D:1138:ARG:N	2.33	0.61
1:D:1187:ARG:HD2	1:D:1212:ILE:HD11	1.81	0.61
1:D:1200:PRO:O	1:D:1200:PRO:HG2	2.00	0.61
1:D:1232:GLU:HG3	1:D:1234:ARG:HB2	1.80	0.61
2:F:466:MET:CA	2:F:471:LEU:HD22	2.31	0.61
1:A:158:LEU:O	1:A:409:GLN:NE2	2.29	0.61
1:A:308:GLN:HB3	1:A:1090:GLU:HG3	1.83	0.61
1:A:719:LEU:HD23	1:A:719:LEU:H	1.64	0.61
1:A:743:ASP:CB	1:A:744:ILE:HD13	2.30	0.61
1:A:1030:ARG:HE	1:A:1040:LYS:HE3	1.64	0.61
2:B:106:LEU:HB2	2:B:380:PRO:HG3	1.81	0.61
2:B:116:THR:HA	2:B:120:VAL:HG23	1.82	0.61
2:B:378:LEU:HD12	2:B:378:LEU:N	2.16	0.61
2:C:120:VAL:CG2	2:C:121:PHE:N	2.63	0.61
2:C:342:LEU:HB2	2:C:344:ARG:HG3	1.82	0.61
2:C:414:TRP:O	2:C:415:PRO:O	2.19	0.61
1:D:543:VAL:O	1:D:547:ALA:HB3	2.00	0.61
1:D:598:VAL:HA	1:D:601:LYS:CD	2.30	0.61
1:D:733:HIS:ND1	1:D:750:PHE:HD1	1.98	0.61
1:D:1027:LYS:HB3	1:D:1091:GLU:HA	1.83	0.61
2:E:123:GLU:HB3	2:F:403:PHE:CE1	2.36	0.61
2:E:384:ALA:C	2:E:414:TRP:HB3	2.26	0.61
2:F:127:PRO:CD	2:F:209:ALA:C	2.71	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:243:THR:O	2:F:334:CYS:CB	2.48	0.61
2:F:306:LEU:HD21	2:F:310:GLU:HG2	1.81	0.61
2:F:310:GLU:O	2:F:314:MET:N	2.30	0.61
2:F:342:LEU:CD2	2:F:345:GLY:N	2.55	0.61
2:F:455:LEU:O	2:F:465:MET:HA	1.99	0.61
1:A:372:GLU:OE2	1:A:399:ASP:OD2	2.17	0.61
1:A:660:CYS:HB2	1:A:745:PRO:HG3	1.83	0.61
1:A:1002:GLU:O	1:A:1005:VAL:CG2	2.44	0.61
1:A:1048:ALA:HB3	1:A:1092:PHE:HE1	1.65	0.61
2:B:93:SER:OG	2:B:95:CYS:HB2	2.01	0.61
2:B:294:PRO:HG2	2:B:295:TRP:H	1.66	0.61
2:C:367:LEU:O	2:C:369:ARG:CD	2.47	0.61
2:C:406:LEU:O	2:C:407:LEU:C	2.43	0.61
1:D:99:ALA:O	1:D:100:VAL:C	2.43	0.61
1:D:161:GLN:O	1:D:163:PRO:HD3	2.00	0.61
1:D:270:ASN:HA	1:D:294:THR:CB	2.31	0.61
1:D:283:LEU:HG	1:D:814:VAL:CG2	2.30	0.61
1:D:383:LYS:O	1:D:386:ARG:CG	2.46	0.61
1:D:486:TRP:HE1	1:D:722:ARG:HG3	1.65	0.61
1:D:666:GLN:O	1:D:669:MET:O	2.17	0.61
1:D:742:VAL:HB	1:D:748:TRP:CZ3	2.35	0.61
1:D:795:ASN:HA	1:D:798:ILE:HD11	1.80	0.61
1:D:977:GLU:HA	1:D:980:GLU:HG3	1.81	0.61
2:E:189:ALA:HB1	2:E:240:VAL:HG11	1.82	0.61
2:F:241:TRP:H	2:F:336:LEU:CB	2.11	0.61
1:A:228:LEU:CD2	1:A:229:VAL:N	2.55	0.61
1:A:477:GLU:HG2	1:A:482:ASP:OD1	2.00	0.61
1:A:503:VAL:CG2	1:A:520:ALA:O	2.45	0.61
1:A:815:TRP:HE3	1:A:838:GLY:H	1.47	0.61
1:A:886:LEU:H	1:A:1146:ARG:NH2	1.96	0.61
2:B:106:LEU:O	2:B:109:ASN:HB3	2.00	0.61
2:B:238:SER:HA	2:B:339:ASN:ND2	2.14	0.61
2:B:311:LEU:O	2:B:313:HIS:N	2.33	0.61
2:C:431:LYS:HE2	2:C:435:MET:HB2	1.83	0.61
1:D:176:THR:OG1	1:D:218:SER:HB2	2.00	0.61
1:D:307:PHE:HD2	1:D:1048:ALA:O	1.82	0.61
1:D:359:VAL:O	1:D:359:VAL:CG1	2.46	0.61
1:D:597:ARG:NH1	1:D:724:GLY:C	2.57	0.61
1:D:792:LEU:CA	1:D:795:ASN:ND2	2.64	0.61
1:D:996:ARG:H	1:D:996:ARG:HD3	1.60	0.61
1:D:1206:MET:HE1	1:D:1210:TYR:HA	1.83	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:189:ALA:CB	2:E:240:VAL:HG21	2.30	0.61
2:E:303:LEU:HA	2:E:337:SER:O	2.00	0.61
2:F:336:LEU:C	2:F:336:LEU:CD2	2.68	0.61
2:F:439:PHE:HD1	2:F:458:ARG:CG	2.13	0.61
1:A:169:TRP:HZ3	1:A:391:ASP:CA	2.11	0.61
1:A:175:TRP:HB2	1:A:184:ALA:O	2.00	0.61
1:A:620:TRP:C	1:A:748:TRP:HB3	2.24	0.61
1:A:894:GLN:O	1:A:898:ILE:HG23	2.00	0.61
1:A:1002:GLU:HG3	1:A:1003:TRP:HE3	1.65	0.61
1:A:1055:SER:O	1:A:1059:ASN:OD1	2.19	0.61
2:B:281:GLU:HG3	2:B:282:GLU:HG2	1.82	0.61
2:B:342:LEU:O	2:B:342:LEU:HD13	2.00	0.61
2:C:78:PHE:HZ	2:C:346:MET:CE	2.14	0.61
1:D:380:GLY:O	1:D:385:ILE:HD12	2.00	0.61
1:D:595:GLN:O	1:D:597:ARG:N	2.33	0.61
1:D:626:GLY:HA3	1:D:628:ARG:O	2.00	0.61
1:D:992:LEU:C	1:D:996:ARG:HD2	2.24	0.61
1:D:1025:LEU:O	1:D:1025:LEU:CD2	2.49	0.61
2:E:90:SER:HA	2:E:93:SER:HB2	1.81	0.61
2:E:93:SER:C	2:E:95:CYS:N	2.54	0.61
2:E:478:TYR:CD1	2:E:478:TYR:O	2.54	0.61
2:F:132:HIS:ND1	2:F:132:HIS:N	2.42	0.61
1:A:70:ARG:CB	1:A:81:ARG:HB3	2.20	0.61
1:A:169:TRP:CZ3	1:A:391:ASP:CA	2.80	0.61
1:A:253:ALA:CB	1:A:280:GLU:C	2.73	0.61
1:A:259:ARG:HG3	1:A:261:TRP:CD1	2.35	0.61
1:A:473:LEU:N	1:A:473:LEU:CD2	2.62	0.61
1:A:602:LEU:O	1:A:603:MET:C	2.41	0.61
1:A:893:SER:CA	1:A:896:LEU:HD23	2.30	0.61
1:A:913:CYS:C	1:A:918:TRP:N	2.58	0.61
1:A:1113:LEU:HB3	1:A:1117:LYS:CE	2.29	0.61
2:C:131:LEU:O	2:C:133:HIS:HB2	2.01	0.61
2:C:244:PRO:N	2:C:247:THR:CG2	2.63	0.61
2:C:387:VAL:CG1	2:C:399:CYS:CB	2.78	0.61
2:C:394:GLU:O	2:C:397:GLN:HB3	2.01	0.61
1:D:78:MET:HE3	1:D:121:PRO:HB2	1.83	0.61
1:D:275:ARG:HB2	1:D:843:GLN:CA	2.30	0.61
1:D:353:VAL:HG23	1:D:354:ASN:N	2.15	0.61
1:D:369:LEU:HD13	1:D:372:GLU:HB3	1.82	0.61
1:D:434:TYR:O	1:D:435:LEU:CG	2.47	0.61
1:D:866:ARG:HB3	1:D:867:PRO:CD	2.24	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:919:MET:C	1:D:920:THR:O	2.43	0.61
1:D:970:ASN:C	1:D:971:HIS:ND1	2.59	0.61
1:D:1183:VAL:O	1:D:1217:ALA:HA	2.00	0.61
1:D:1187:ARG:CD	1:D:1212:ILE:HD11	2.29	0.61
1:D:1210:TYR:CG	1:D:1211:GLY:N	2.68	0.61
2:F:81:GLY:HA3	2:F:97:PRO:CB	2.31	0.61
2:F:301:GLU:OE1	2:F:339:ASN:ND2	2.33	0.61
2:F:309:HIS:HA	2:F:312:LEU:CD1	2.23	0.61
1:A:199:VAL:CG2	1:A:277:HIS:HB2	2.31	0.61
1:A:721:ALA:O	1:A:722:ARG:C	2.42	0.61
1:A:870:VAL:C	1:A:872:SER:H	2.09	0.61
1:A:928:GLY:O	1:A:931:LEU:HB3	2.00	0.61
1:A:1189:LEU:HD22	1:A:1189:LEU:N	2.16	0.61
2:B:258:HIS:CG	2:B:259:ARG:N	2.66	0.61
2:C:124:GLN:O	2:C:125:VAL:HG12	2.01	0.61
2:C:208:LEU:CD2	2:C:242:PHE:CD2	2.84	0.61
2:C:298:GLU:OE1	2:C:344:ARG:NH2	2.33	0.61
1:D:185:VAL:HB	1:D:186:PRO:HD2	1.83	0.61
1:D:190:PRO:HG3	1:D:219:ALA:HB2	1.81	0.61
1:D:313:ILE:HG13	1:D:314:ALA:N	2.16	0.61
1:D:367:PRO:HG2	1:D:368:PRO:HD3	1.82	0.61
1:D:632:ALA:HB1	1:D:657:ARG:HD2	1.83	0.61
1:D:1055:SER:O	1:D:1059:ASN:ND2	2.34	0.61
1:D:1056:GLU:HB3	1:D:1057:MET:CE	2.31	0.61
2:E:217:PRO:HA	2:E:231:ILE:HA	1.82	0.61
2:E:456:ARG:CB	2:E:463:LYS:HG2	2.17	0.61
2:F:442:LEU:O	2:F:455:LEU:CD2	2.48	0.61
2:F:483:LYS:HE2	2:F:483:LYS:C	2.25	0.61
1:A:73:PRO:HB2	1:A:90:GLN:HB3	1.83	0.61
1:A:410:GLN:O	1:A:414:PHE:HD2	1.83	0.61
1:A:420:HIS:O	1:A:424:LEU:HG	2.01	0.61
1:A:616:GLU:HG3	1:A:724:GLY:C	2.25	0.61
1:A:653:GLU:HA	1:A:656:TYR:CE2	2.35	0.61
1:A:1072:THR:N	1:A:1073:PRO:HD2	2.15	0.61
1:A:1236:GLN:HE21	1:A:1236:GLN:N	1.97	0.61
2:B:125:VAL:HG12	2:B:126:PHE:N	2.15	0.61
2:B:127:PRO:O	2:C:104:VAL:HG21	2.01	0.61
2:C:402:LEU:O	2:C:406:LEU:HD13	2.00	0.61
2:C:416:GLY:C	2:C:419:GLU:HB3	2.25	0.61
1:D:289:MET:SD	1:D:291:PHE:CZ	2.94	0.61
1:D:412:PRO:HG2	1:D:413:LEU:H	1.66	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:420:HIS:O	1:D:424:LEU:HG	2.01	0.61
1:D:428:LEU:CD1	1:D:428:LEU:N	2.46	0.61
1:D:494:GLU:HA	1:D:573:TYR:H	1.66	0.61
1:D:500:ALA:HB2	1:D:521:PRO:CG	2.31	0.61
1:D:612:LEU:H	1:D:612:LEU:HD12	1.62	0.61
1:D:801:TRP:CG	1:D:802:ARG:N	2.69	0.61
1:D:1175:GLN:C	1:D:1177:VAL:N	2.58	0.61
2:F:241:TRP:H	2:F:336:LEU:HB3	1.65	0.61
2:F:456:ARG:CG	2:F:457:SER:N	2.63	0.61
1:A:81:ARG:HG3	1:A:81:ARG:HH11	1.66	0.61
1:A:195:LEU:HG	1:A:265:LEU:CD2	2.31	0.61
1:A:259:ARG:NE	1:A:259:ARG:CA	2.60	0.61
1:A:261:TRP:O	1:A:262:GLN:HB2	2.00	0.61
1:A:411:LEU:N	1:A:412:PRO:HD2	2.16	0.61
1:A:441:TRP:CZ3	1:A:445:LEU:HD12	2.36	0.61
1:A:553:LYS:HD2	2:C:468:ILE:CG2	2.31	0.61
1:A:813:VAL:CG1	1:A:815:TRP:CZ2	2.84	0.61
1:A:1043:VAL:C	1:A:1045:ALA:N	2.48	0.61
2:B:466:MET:HG2	2:B:467:HIS:N	2.15	0.61
2:C:200:VAL:CB	2:C:204:LEU:HD22	2.31	0.61
2:C:395:LEU:CD2	2:C:443:VAL:HG12	2.28	0.61
2:C:407:LEU:HD13	2:C:408:GLU:OE2	2.01	0.61
1:D:269:HIS:C	1:D:274:ASP:OD1	2.44	0.61
1:D:275:ARG:HB2	1:D:843:GLN:HB3	0.75	0.61
1:D:293:ASP:HB3	1:D:296:SER:HB2	1.83	0.61
1:D:371:LYS:HG3	1:D:396:CYS:CB	2.31	0.61
1:D:402:ALA:O	1:D:406:VAL:HG13	2.00	0.61
1:D:618:HIS:CB	1:D:725:PRO:CG	2.77	0.61
1:D:854:ALA:C	1:D:855:VAL:CG2	2.74	0.61
1:D:914:THR:HG21	1:D:999:ASP:CB	2.30	0.61
1:D:966:LEU:CD2	1:D:970:ASN:ND2	2.64	0.61
1:D:1116:MET:HE1	1:D:1153:LEU:N	2.15	0.61
2:E:417:TYR:HD1	2:E:418:LEU:HG	1.66	0.61
2:E:456:ARG:HD3	2:E:463:LYS:CG	2.29	0.61
2:F:351:TYR:C	2:F:355:GLN:CB	2.64	0.61
2:F:425:LEU:HD21	2:F:429:TYR:OH	2.00	0.61
1:A:83:LEU:C	1:A:87:ILE:O	2.44	0.60
1:A:96:GLY:O	1:A:100:VAL:HG23	2.01	0.60
1:A:210:THR:O	1:A:211:LEU:CB	2.38	0.60
1:A:257:THR:HA	1:A:258:GLN:OE1	2.01	0.60
1:A:411:LEU:N	1:A:412:PRO:CD	2.64	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:851:THR:HG22	1:A:853:ARG:N	2.13	0.60
1:A:887:VAL:N	1:A:1146:ARG:NH1	2.48	0.60
1:A:1009:ASN:C	1:A:1010:LEU:HG	2.25	0.60
1:A:1060:LYS:NZ	1:A:1073:PRO:HB2	2.16	0.60
2:C:235:THR:C	2:C:341:ASP:CG	2.69	0.60
2:C:307:GLY:HA2	2:C:335:VAL:H	1.66	0.60
2:C:368:HIS:NE2	2:C:370:LYS:HD2	2.16	0.60
2:C:387:VAL:CG2	2:C:417:TYR:HA	2.31	0.60
1:D:140:ARG:HH11	1:D:140:ARG:HG3	1.65	0.60
1:D:239:LEU:N	1:D:239:LEU:HD23	2.16	0.60
1:D:603:MET:O	1:D:605:LEU:N	2.34	0.60
1:D:909:GLY:O	1:D:912:GLY:HA2	2.00	0.60
1:D:938:THR:O	1:D:939:VAL:HB	2.00	0.60
1:D:1107:ASP:O	1:D:1110:HIS:HB2	2.01	0.60
1:D:1113:LEU:O	1:D:1116:MET:HB2	2.01	0.60
1:D:1221:TYR:O	1:D:1224:ILE:N	2.34	0.60
2:E:375:HIS:NE2	2:E:376:PRO:HB3	2.16	0.60
2:F:197:LEU:CD1	2:F:322:LEU:HD21	2.31	0.60
2:F:303:LEU:HG	2:F:337:SER:OG	2.01	0.60
2:F:395:LEU:CB	2:F:443:VAL:HG21	2.30	0.60
2:F:403:PHE:HE1	2:F:415:PRO:HG3	1.60	0.60
1:A:174:GLY:O	1:A:175:TRP:CD2	2.54	0.60
1:A:254:SER:O	1:A:255:SER:CB	2.49	0.60
1:A:313:ILE:HA	1:A:316:LYS:HG2	1.84	0.60
1:A:434:TYR:O	1:A:1129:PHE:CE1	2.54	0.60
1:A:513:LEU:CB	1:A:568:GLY:CA	2.56	0.60
1:A:1019:TRP:CZ2	1:A:1111:LEU:HD21	2.36	0.60
1:A:1093:MET:O	1:A:1094:THR:C	2.44	0.60
1:A:1128:ARG:CG	1:A:1129:PHE:N	2.43	0.60
1:A:1231:LEU:HD12	1:A:1235:SER:HB2	1.83	0.60
2:B:93:SER:C	2:B:95:CYS:N	2.56	0.60
2:B:122:ARG:HB3	2:B:122:ARG:NH1	2.16	0.60
2:B:182:ARG:HB3	2:B:215:PHE:CD1	2.36	0.60
2:C:114:TRP:NE1	2:C:259:ARG:NH1	2.49	0.60
2:C:272:ASN:HA	2:C:292:ASN:ND2	2.15	0.60
2:C:387:VAL:HG12	2:C:395:LEU:HD23	1.81	0.60
1:D:129:PRO:O	1:D:131:TYR:CZ	2.54	0.60
1:D:273:PHE:O	1:D:277:HIS:HD2	1.84	0.60
1:D:347:TRP:NE1	1:D:349:ASP:OD2	2.33	0.60
1:D:790:ARG:O	1:D:794:ILE:HG12	2.01	0.60
1:D:1006:ARG:HH21	1:D:1017:GLY:HA3	1.64	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1198:LYS:HA	1:D:1204:THR:HB	1.83	0.60
2:E:385:LEU:CD1	2:E:441:VAL:HB	2.31	0.60
2:E:447:THR:HG23	2:E:452:LEU:N	2.16	0.60
1:A:816:LEU:HD12	1:A:837:TYR:O	2.00	0.60
1:A:866:ARG:CG	1:A:1069:ILE:CG2	2.75	0.60
1:A:932:HIS:O	1:A:935:THR:HB	2.01	0.60
1:A:964:ARG:HD2	1:A:1053:THR:HG21	1.82	0.60
1:A:1093:MET:O	1:A:1097:VAL:HG23	2.01	0.60
2:B:437:ILE:HG22	2:B:438:LEU:N	2.15	0.60
2:C:205:PRO:C	2:C:241:TRP:HE1	2.08	0.60
2:C:239:LEU:O	2:C:338:VAL:HG13	2.01	0.60
2:C:338:VAL:O	2:C:338:VAL:HG23	2.01	0.60
2:C:371:VAL:HG23	2:C:433:ASP:C	2.27	0.60
2:C:473:ASP:C	2:C:476:ILE:HG23	2.26	0.60
1:D:368:PRO:CB	1:D:369:LEU:HD23	2.31	0.60
1:D:891:VAL:CG1	1:D:1135:ASP:CB	2.76	0.60
1:D:1231:LEU:C	1:D:1232:GLU:HG2	2.25	0.60
2:E:214:CYS:SG	2:E:236:GLU:HB3	2.41	0.60
2:F:254:PHE:N	2:F:257:ARG:NH2	2.48	0.60
1:A:213:VAL:HG22	1:A:221:TYR:CE2	2.36	0.60
1:A:301:ILE:CG2	1:A:302:SER:N	2.64	0.60
2:B:244:PRO:O	2:B:248:SER:CB	2.45	0.60
2:B:260:LEU:O	2:B:264:ARG:CD	2.49	0.60
2:B:440:THR:O	2:B:441:VAL:HG13	2.01	0.60
2:C:144:ALA:O	2:C:145:PHE:HB2	2.01	0.60
2:C:204:LEU:HD11	2:C:206:TYR:HB3	1.81	0.60
2:C:336:LEU:CD2	2:C:337:SER:O	2.50	0.60
2:C:342:LEU:CD2	2:C:342:LEU:O	2.48	0.60
2:C:397:GLN:C	2:C:399:CYS:H	2.10	0.60
1:D:203:LEU:C	1:D:203:LEU:CD2	2.74	0.60
1:D:224:CYS:O	1:D:227:ARG:N	2.35	0.60
1:D:515:ILE:HG23	1:D:565:HIS:C	2.25	0.60
1:D:1155:ILE:CA	1:D:1158:LEU:HD21	2.27	0.60
1:D:1209:ARG:HH12	2:F:252:LEU:HD13	1.64	0.60
2:E:319:VAL:HG13	2:E:320:SER:N	2.16	0.60
2:E:322:LEU:C	2:E:324:GLY:H	2.07	0.60
2:F:200:VAL:O	2:F:201:ASN:HB2	2.01	0.60
2:F:254:PHE:O	2:F:257:ARG:HB2	2.01	0.60
1:A:448:ALA:CA	1:A:870:VAL:CG1	2.80	0.60
1:A:572:TRP:HE3	1:A:572:TRP:HA	1.66	0.60
1:A:606:THR:HG23	1:A:613:HIS:CA	2.29	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:869:ARG:O	1:A:872:SER:CB	2.48	0.60
1:A:1019:TRP:CD1	1:A:1020:ILE:HG22	2.36	0.60
1:A:1028:VAL:O	1:A:1031:GLU:O	2.18	0.60
2:B:304:TRP:HB2	2:B:337:SER:HB3	1.83	0.60
2:B:400:GLN:NE2	2:B:417:TYR:HB3	2.16	0.60
2:C:344:ARG:CA	2:C:347:LEU:HD13	2.31	0.60
2:C:372:LEU:CD1	2:C:374:LEU:HG	2.32	0.60
2:C:456:ARG:HE	2:C:456:ARG:N	1.99	0.60
2:C:471:LEU:CA	2:C:474:PHE:HD2	2.15	0.60
1:D:219:ALA:O	1:D:220:TRP:CB	2.44	0.60
1:D:242:ALA:O	1:D:245:ILE:HG12	2.02	0.60
1:D:242:ALA:C	1:D:245:ILE:HG12	2.26	0.60
1:D:255:SER:CB	1:D:256:PRO:C	2.73	0.60
1:D:267:VAL:O	1:D:269:HIS:NE2	2.34	0.60
1:D:436:PRO:HA	1:D:839:ALA:HB2	1.84	0.60
1:D:842:PRO:O	1:D:844:VAL:HG22	2.01	0.60
2:F:206:TYR:N	2:F:206:TYR:CD2	2.69	0.60
2:F:305:ASN:C	2:F:307:GLY:H	2.09	0.60
2:F:308:ASP:CG	2:F:334:CYS:HA	2.26	0.60
1:A:376:LEU:C	1:A:378:VAL:N	2.56	0.60
1:A:487:ASP:O	1:A:491:ASP:CG	2.45	0.60
1:A:1118:TRP:HA	1:A:1118:TRP:CE3	2.36	0.60
2:B:217:PRO:O	2:B:231:ILE:HA	2.02	0.60
2:B:231:ILE:HD13	2:B:231:ILE:N	2.15	0.60
2:B:431:LYS:O	2:B:435:MET:N	2.32	0.60
2:C:121:PHE:O	2:C:123:GLU:N	2.35	0.60
2:C:187:HIS:HA	2:C:190:LEU:HD12	1.84	0.60
2:C:389:ARG:CG	2:C:390:GLY:N	2.65	0.60
1:D:194:ALA:O	1:D:195:LEU:HG	2.02	0.60
1:D:213:VAL:C	1:D:401:TRP:CZ2	2.71	0.60
1:D:316:LYS:HD2	1:D:348:LEU:HD23	1.83	0.60
1:D:371:LYS:HD3	1:D:392:LEU:HD21	1.81	0.60
1:D:379:LYS:O	1:D:379:LYS:HD3	2.00	0.60
1:D:415:LEU:C	1:D:417:ARG:N	2.57	0.60
1:D:491:ASP:O	1:D:492:LEU:O	2.20	0.60
1:D:615:SER:C	1:D:725:PRO:HG3	2.26	0.60
1:D:666:GLN:HG2	1:D:669:MET:CE	2.31	0.60
1:D:718:ALA:O	1:D:722:ARG:CD	2.48	0.60
1:D:944:GLU:HG2	1:D:1071:ARG:CZ	2.31	0.60
1:D:987:ALA:O	1:D:988:ALA:C	2.43	0.60
1:D:1001:GLY:C	1:D:1004:LEU:HB2	2.27	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1144:GLU:O	1:D:1145:ASP:HB2	2.01	0.60
1:D:1232:GLU:HB2	1:D:1234:ARG:HB2	1.84	0.60
2:E:93:SER:O	2:E:95:CYS:N	2.34	0.60
2:E:186:LEU:C	2:E:190:LEU:HD13	2.25	0.60
2:E:325:ARG:HG2	2:E:330:ASN:CA	2.27	0.60
2:E:437:ILE:CD1	2:E:437:ILE:N	2.64	0.60
2:E:443:VAL:HA	2:E:453:ILE:HG22	1.84	0.60
2:F:94:GLY:HA2	2:F:96:HIS:ND1	2.16	0.60
2:F:311:LEU:O	2:F:314:MET:HB2	2.01	0.60
2:F:340:GLY:O	2:F:341:ASP:O	2.18	0.60
2:F:386:ASP:HB3	2:F:442:LEU:CD2	2.26	0.60
1:A:136:ASP:OD1	1:A:137:GLN:N	2.34	0.60
1:A:216:SER:O	1:A:217:PRO:O	2.19	0.60
1:A:271:VAL:O	1:A:275:ARG:HD3	2.01	0.60
1:A:386:ARG:HB2	1:A:390:GLN:HE22	1.67	0.60
1:A:400:VAL:HG12	1:A:404:HIS:CD2	2.35	0.60
1:A:451:THR:HB	1:A:869:ARG:NH2	2.17	0.60
1:A:490:TRP:CZ2	1:A:596:MET:HE2	2.37	0.60
1:A:570:PRO:HB2	1:A:572:TRP:CE3	2.37	0.60
1:A:811:GLN:NE2	1:A:859:TRP:HZ2	1.99	0.60
1:A:894:GLN:O	1:A:898:ILE:CG2	2.50	0.60
1:A:1069:ILE:HG22	1:A:1070:PRO:CD	2.28	0.60
2:B:116:THR:HA	2:B:120:VAL:HB	1.84	0.60
2:B:447:THR:HA	2:B:450:ASN:OD1	2.02	0.60
2:C:402:LEU:HB3	2:C:406:LEU:HD21	1.84	0.60
1:D:214:ALA:N	1:D:401:TRP:CH2	2.69	0.60
1:D:251:THR:C	1:D:254:SER:H	2.08	0.60
1:D:350:ILE:HG23	1:D:352:SER:CB	2.20	0.60
1:D:422:VAL:HG11	1:D:1111:LEU:CD1	2.31	0.60
1:D:427:MET:O	1:D:846:THR:HG21	2.01	0.60
1:D:618:HIS:HB3	1:D:725:PRO:HB2	1.83	0.60
1:D:894:GLN:O	1:D:898:ILE:HG23	2.02	0.60
1:D:961:PHE:HD1	1:D:961:PHE:H	1.48	0.60
1:D:1029:GLN:HE21	1:D:1030:ARG:NH2	1.97	0.60
2:E:94:GLY:N	2:E:234:LYS:HE2	2.16	0.60
2:E:199:LEU:HD22	2:F:77:HIS:CD2	2.35	0.60
2:E:371:VAL:CG1	2:E:372:LEU:H	2.14	0.60
2:E:385:LEU:O	2:E:440:THR:HG23	2.01	0.60
2:E:456:ARG:CG	2:E:457:SER:N	2.64	0.60
2:F:238:SER:C	2:F:338:VAL:HG11	2.26	0.60
2:F:260:LEU:O	2:F:264:ARG:HG3	2.02	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:177:ARG:HB2	1:A:183:GLU:HB3	1.83	0.60
1:A:177:ARG:CB	1:A:183:GLU:HB3	2.32	0.60
1:A:188:ALA:O	1:A:189:ILE:HG12	2.01	0.60
1:A:232:ARG:HB3	1:A:239:LEU:CD2	2.08	0.60
1:A:297:MET:CE	1:A:411:LEU:HD22	2.32	0.60
1:A:572:TRP:HA	1:A:572:TRP:CE3	2.37	0.60
1:A:655:LEU:HB2	1:A:719:LEU:CB	2.26	0.60
1:A:655:LEU:HD22	1:A:722:ARG:CZ	2.32	0.60
1:A:823:ARG:O	1:A:824:ALA:HB3	2.02	0.60
1:A:1120:PHE:O	1:A:1125:ILE:HD13	2.02	0.60
2:C:347:LEU:C	2:C:350:LEU:CD1	2.74	0.60
2:C:395:LEU:HD22	2:C:443:VAL:O	2.01	0.60
1:D:136:ASP:O	1:D:140:ARG:HD3	2.02	0.60
1:D:509:THR:C	1:D:510:ALA:O	2.38	0.60
1:D:645:VAL:C	1:D:646:VAL:HG23	2.25	0.60
1:D:656:TYR:O	1:D:744:ILE:HG13	2.02	0.60
1:D:954:ILE:HG22	1:D:955:TYR:CD2	2.37	0.60
1:D:1027:LYS:HB2	1:D:1096:ARG:NE	2.17	0.60
1:D:1065:ALA:O	1:D:1067:SER:N	2.35	0.60
2:E:78:PHE:CE1	2:E:346:MET:HE1	2.37	0.60
2:E:187:HIS:O	2:E:190:LEU:HB2	2.01	0.60
2:F:134:LYS:CB	2:F:180:LYS:HE2	2.32	0.60
2:F:447:THR:O	2:F:452:LEU:CA	2.46	0.60
1:A:106:HIS:C	1:A:107:LEU:HD22	2.26	0.60
1:A:228:LEU:HD11	1:A:386:ARG:CB	2.31	0.60
1:A:256:PRO:CD	1:A:257:THR:N	2.61	0.60
1:A:353:VAL:O	1:A:354:ASN:HB3	2.02	0.60
1:A:481:GLU:O	1:A:484:TRP:HB2	2.02	0.60
1:A:612:LEU:CD2	1:A:620:TRP:CA	2.78	0.60
1:A:891:VAL:HA	1:A:1180:PHE:CE1	2.27	0.60
1:A:1008:LEU:C	1:A:1008:LEU:CD2	2.74	0.60
1:A:1016:GLU:HB2	1:A:1020:ILE:HA	1.84	0.60
2:B:208:LEU:HD21	2:B:240:VAL:HB	1.84	0.60
2:C:190:LEU:HB3	2:C:314:MET:HE2	1.82	0.60
2:C:290:TYR:CD1	2:C:299:LEU:HA	2.36	0.60
2:C:309:HIS:HA	2:C:312:LEU:CD1	2.32	0.60
1:D:173:GLU:O	1:D:175:TRP:N	2.34	0.60
1:D:242:ALA:C	1:D:246:PRO:HD3	2.27	0.60
1:D:257:THR:C	1:D:258:GLN:HG3	2.26	0.60
1:D:273:PHE:O	1:D:277:HIS:CD2	2.54	0.60
1:D:457:ARG:CA	1:D:460:LYS:HZ2	2.15	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:620:TRP:CE2	1:D:751:LYS:HB2	2.37	0.60
1:D:656:TYR:HD1	1:D:743:ASP:HB2	1.65	0.60
1:D:815:TRP:CE3	1:D:836:LEU:HB3	2.36	0.60
1:D:883:GLY:HA2	1:D:1143:GLU:OE1	2.02	0.60
1:D:1006:ARG:NH1	1:D:1006:ARG:CA	2.39	0.60
2:E:119:VAL:O	2:E:123:GLU:HA	2.00	0.60
2:E:189:ALA:CB	2:E:240:VAL:HG11	2.32	0.60
2:E:388:GLY:CA	2:E:395:LEU:HD11	2.32	0.60
2:E:393:LEU:O	2:E:396:ARG:HG3	2.02	0.60
2:F:267:ALA:O	2:F:270:PRO:HD3	2.01	0.60
2:F:314:MET:CE	2:F:315:TYR:HE2	2.07	0.60
1:A:156:LEU:HD23	1:A:156:LEU:N	2.16	0.60
1:A:225:SER:OG	1:A:386:ARG:CB	2.47	0.60
1:A:283:LEU:C	1:A:283:LEU:HD13	2.26	0.60
1:A:389:PHE:HD1	1:A:390:GLN:NE2	2.00	0.60
1:A:592:LEU:O	1:A:596:MET:HG2	2.02	0.60
1:A:612:LEU:CD2	1:A:614:TYR:H	2.14	0.60
1:A:659:HIS:NE2	1:A:720:THR:HG22	2.17	0.60
1:A:844:VAL:HA	1:A:856:GLU:HG3	1.82	0.60
1:A:1047:ARG:HD3	1:A:1047:ARG:C	2.23	0.60
2:B:265:LYS:CD	2:B:349:TYR:OH	2.50	0.60
2:B:412:SER:O	2:B:413:VAL:CG2	2.48	0.60
2:B:463:LYS:H	2:B:463:LYS:CD	2.15	0.60
2:C:204:LEU:CD1	2:C:206:TYR:HB3	2.31	0.60
1:D:85:GLU:OE1	1:D:130:LEU:HD13	2.01	0.60
2:E:193:TYR:O	2:E:197:LEU:CB	2.50	0.60
2:F:322:LEU:HD22	2:F:323:HIS:C	2.27	0.60
1:A:215:ILE:HB	1:A:401:TRP:CZ3	2.37	0.59
1:A:312:TRP:CZ2	1:A:346:ASP:C	2.80	0.59
1:A:476:GLY:HA2	1:A:711:ALA:HB1	1.84	0.59
1:A:515:ILE:HD12	1:A:515:ILE:H	1.66	0.59
1:A:851:THR:C	1:A:852:ARG:HG3	2.27	0.59
1:A:1013:ASP:CG	1:A:1014:ARG:H	2.09	0.59
1:A:1017:GLY:C	1:A:1019:TRP:H	2.09	0.59
1:A:1030:ARG:HD3	1:A:1091:GLU:CD	2.27	0.59
1:A:1058:PHE:O	1:A:1060:LYS:N	2.35	0.59
1:A:1165:ALA:HB2	1:A:1173:LEU:CG	2.32	0.59
1:A:1210:TYR:HE1	1:A:1213:PRO:CG	2.09	0.59
2:C:342:LEU:HD21	2:C:345:GLY:H	1.65	0.59
2:C:372:LEU:HD11	2:C:436:SER:OG	2.00	0.59
2:C:388:GLY:N	2:C:443:VAL:O	2.32	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:456:ARG:HB2	2:C:463:LYS:O	2.02	0.59
1:D:407:PHE:CD1	1:D:408:GLN:N	2.70	0.59
1:D:444:TYR:OH	1:D:1206:MET:CB	2.49	0.59
1:D:549:LEU:HD23	1:D:552:LEU:HD12	1.84	0.59
1:D:807:ARG:CB	1:D:858:THR:HG23	2.31	0.59
1:D:815:TRP:CZ3	1:D:836:LEU:HB3	2.36	0.59
1:D:853:ARG:HH12	1:D:1102:GLN:HA	1.67	0.59
1:D:1002:GLU:CG	1:D:1003:TRP:N	2.64	0.59
1:D:1116:MET:HG2	1:D:1156:THR:HG21	1.84	0.59
2:E:76:ARG:HB3	2:E:435:MET:HE3	1.85	0.59
2:E:86:LEU:HB2	2:E:91:LEU:CD2	2.31	0.59
2:E:201:ASN:CG	2:F:422:GLN:HB2	2.26	0.59
2:E:262:TRP:O	2:E:265:LYS:CB	2.46	0.59
2:E:380:PRO:HA	2:E:438:LEU:HD12	1.84	0.59
2:E:444:THR:OG1	2:E:446:THR:CG2	2.49	0.59
2:E:455:LEU:HD23	2:E:455:LEU:N	2.16	0.59
2:F:114:TRP:NE1	2:F:259:ARG:HH12	1.99	0.59
2:F:266:PHE:HB3	2:F:378:LEU:HD11	1.83	0.59
2:F:312:LEU:O	2:F:313:HIS:C	2.44	0.59
2:F:342:LEU:CG	2:F:344:ARG:HB2	2.31	0.59
2:F:352:ASP:N	2:F:355:GLN:HB2	2.17	0.59
2:F:395:LEU:CD2	2:F:448:LEU:HD11	2.32	0.59
2:F:407:LEU:HD23	2:F:407:LEU:C	2.26	0.59
1:A:198:ASP:CB	1:A:400:VAL:HG11	2.32	0.59
1:A:309:ARG:O	1:A:313:ILE:N	2.34	0.59
1:A:435:LEU:HD12	1:A:842:PRO:HD3	1.83	0.59
1:A:488:LEU:N	1:A:488:LEU:HD23	2.17	0.59
1:A:556:THR:HG22	2:C:467:HIS:NE2	2.17	0.59
1:A:570:PRO:HB2	1:A:572:TRP:CZ3	2.37	0.59
1:A:601:LYS:HZ1	1:A:721:ALA:CB	2.14	0.59
1:A:845:VAL:HG11	1:A:848:GLY:HA3	1.84	0.59
1:A:887:VAL:HG22	1:A:1146:ARG:NH1	2.14	0.59
1:A:948:ILE:HG13	1:A:949:PHE:HD2	1.66	0.59
1:A:1112:MET:HA	1:A:1156:THR:HG23	1.83	0.59
1:A:1119:LEU:HD23	1:A:1122:GLU:HG3	1.85	0.59
1:D:121:PRO:C	1:D:122:ASP:OD2	2.44	0.59
1:D:184:ALA:O	1:D:185:VAL:HG12	2.02	0.59
1:D:389:PHE:CA	1:D:393:MET:CG	2.72	0.59
1:D:504:LYS:CB	1:D:523:ASP:O	2.47	0.59
1:D:546:ARG:C	1:D:551:LYS:HZ3	2.10	0.59
1:D:641:GLU:C	1:D:645:VAL:CG2	2.68	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:752:LEU:HB3	1:D:753:PRO:HB3	1.83	0.59
1:D:992:LEU:HB3	1:D:996:ARG:CD	2.32	0.59
1:D:1010:LEU:N	1:D:1011:PRO:CD	2.65	0.59
1:D:1204:THR:O	1:D:1207:GLU:N	2.35	0.59
2:E:104:VAL:HG21	2:F:128:VAL:CA	2.32	0.59
2:F:307:GLY:C	2:F:308:ASP:OD2	2.46	0.59
2:F:387:VAL:HG13	2:F:399:CYS:HB2	1.83	0.59
2:F:446:THR:CB	2:F:450:ASN:H	2.15	0.59
2:F:472:LYS:O	2:F:475:LEU:HG	2.02	0.59
1:A:245:ILE:O	1:A:248:GLU:HG2	2.02	0.59
1:A:275:ARG:HG2	1:A:843:GLN:CB	2.32	0.59
1:A:665:LYS:HG2	1:A:666:GLN:H	1.66	0.59
1:A:910:MET:HE3	1:A:911:HIS:HD1	1.65	0.59
1:A:1153:LEU:CD1	1:A:1157:ASN:ND2	2.65	0.59
1:A:1190:ARG:NH2	1:A:1197:CYS:HB2	2.18	0.59
2:B:79:LEU:CA	2:B:100:GLY:HA3	2.33	0.59
2:B:378:LEU:O	2:B:379:ALA:C	2.46	0.59
2:B:440:THR:O	2:B:455:LEU:HB2	2.02	0.59
2:C:208:LEU:CD2	2:C:242:PHE:CE2	2.84	0.59
2:C:398:VAL:C	2:C:401:GLY:N	2.60	0.59
2:C:456:ARG:CB	2:C:463:LYS:O	2.50	0.59
1:D:257:THR:OG1	1:D:287:SER:CB	2.50	0.59
1:D:285:GLN:NE2	1:D:1128:ARG:CG	2.61	0.59
1:D:798:ILE:HG22	1:D:869:ARG:HH12	1.61	0.59
1:D:1190:ARG:NE	1:D:1195:MET:HG2	2.17	0.59
1:D:1207:GLU:OE2	1:D:1210:TYR:CE2	2.54	0.59
2:E:380:PRO:O	2:E:382:LYS:HD2	2.02	0.59
2:E:447:THR:HG21	2:E:453:ILE:CG2	2.24	0.59
2:F:186:LEU:O	2:F:189:ALA:HB3	2.01	0.59
2:F:264:ARG:HA	2:F:270:PRO:HB3	1.84	0.59
1:A:115:GLN:O	1:A:118:VAL:HG13	2.02	0.59
1:A:869:ARG:O	1:A:872:SER:N	2.30	0.59
1:A:996:ARG:NH1	1:A:1003:TRP:C	2.60	0.59
1:A:1232:GLU:HG3	1:A:1234:ARG:NE	2.17	0.59
2:B:75:ARG:HD2	2:B:434:GLU:CD	2.28	0.59
2:B:83:LYS:HD2	2:B:83:LYS:N	2.15	0.59
2:B:344:ARG:CD	2:B:344:ARG:N	2.65	0.59
2:B:372:LEU:O	2:B:458:ARG:HD2	2.01	0.59
2:C:180:LYS:C	2:C:180:LYS:CE	2.65	0.59
2:C:239:LEU:HG	2:C:336:LEU:CD1	2.33	0.59
2:C:310:GLU:OE1	2:C:310:GLU:N	2.36	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:97:GLU:O	1:D:101:ARG:HG3	2.02	0.59
1:D:113:TRP:CE3	1:D:116:PRO:HG2	2.36	0.59
1:D:192:GLU:OE1	1:D:193:ARG:NH1	2.35	0.59
1:D:247:LEU:CA	1:D:815:TRP:CD1	2.84	0.59
1:D:808:ILE:HG21	1:D:874:LEU:HD23	1.83	0.59
1:D:887:VAL:H	1:D:1146:ARG:NH2	1.98	0.59
1:D:1190:ARG:CD	1:D:1195:MET:HE3	2.32	0.59
1:D:1193:VAL:CG2	1:D:1194:THR:N	2.36	0.59
2:E:101:PRO:CG	2:F:128:VAL:HG21	2.32	0.59
2:E:263:TRP:C	2:E:265:LYS:N	2.58	0.59
2:F:193:TYR:HB2	2:F:242:PHE:CZ	2.38	0.59
2:F:243:THR:C	2:F:334:CYS:HB2	2.26	0.59
2:F:306:LEU:HD21	2:F:310:GLU:OE1	2.01	0.59
2:F:342:LEU:CD2	2:F:342:LEU:C	2.74	0.59
1:A:183:GLU:C	1:A:183:GLU:CD	2.70	0.59
1:A:196:VAL:C	1:A:401:TRP:CH2	2.81	0.59
1:A:608:ASP:CA	1:A:779:LEU:HD22	2.32	0.59
1:A:1006:ARG:NH2	1:A:1010:LEU:CD1	2.57	0.59
1:A:1200:PRO:HB2	1:A:1203:PRO:CD	2.32	0.59
2:B:132:HIS:HA	2:B:182:ARG:NE	2.17	0.59
2:B:413:VAL:HG12	2:B:414:TRP:H	1.66	0.59
2:C:69:LEU:HD23	2:C:351:TYR:CD1	2.37	0.59
2:C:239:LEU:C	2:C:338:VAL:HG12	2.26	0.59
2:C:354:PHE:C	2:C:356:LEU:N	2.53	0.59
2:C:454:HIS:HD2	2:C:472:LYS:HE3	1.68	0.59
1:D:127:LEU:HD23	1:D:128:PRO:CD	2.32	0.59
1:D:182:GLY:O	1:D:183:GLU:HB2	2.03	0.59
1:D:458:GLU:N	1:D:460:LYS:NZ	2.50	0.59
1:D:586:THR:N	1:D:587:PRO:HD3	2.16	0.59
1:D:768:LYS:C	1:D:772:PRO:CD	2.74	0.59
1:D:770:PHE:HZ	1:D:968:GLN:O	1.85	0.59
1:D:793:GLU:O	1:D:797:MET:HG3	2.02	0.59
1:D:822:PRO:O	1:D:825:VAL:HB	2.03	0.59
1:D:866:ARG:NE	1:D:1069:ILE:HB	2.17	0.59
1:D:877:MET:HE1	1:D:1203:PRO:HA	1.84	0.59
1:D:938:THR:O	1:D:939:VAL:HG23	2.03	0.59
1:D:1015:THR:CG2	1:D:1026:ARG:CB	2.80	0.59
1:D:1198:LYS:N	1:D:1204:THR:HG21	2.18	0.59
2:E:127:PRO:HG2	2:F:101:PRO:CA	2.33	0.59
2:E:211:ILE:HD13	2:E:211:ILE:N	2.18	0.59
2:E:271:SER:C	2:E:273:PHE:H	2.10	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:213:VAL:C	1:A:401:TRP:CZ2	2.74	0.59
1:A:657:ARG:C	1:A:660:CYS:HB3	2.27	0.59
1:A:974:THR:CG2	1:A:975:GLN:H	2.16	0.59
1:A:1131:ILE:CG2	1:A:1138:ARG:N	2.57	0.59
1:A:1219:ASP:O	1:A:1223:ILE:HG22	2.02	0.59
2:B:69:LEU:HD13	2:B:73:CYS:SG	2.43	0.59
2:B:75:ARG:C	2:B:76:ARG:HG2	2.28	0.59
2:C:197:LEU:HD11	2:C:322:LEU:CD2	2.32	0.59
2:C:206:TYR:O	2:C:241:TRP:HA	2.02	0.59
2:C:307:GLY:CA	2:C:335:VAL:HG12	2.32	0.59
2:C:341:ASP:OD1	2:C:342:LEU:N	2.30	0.59
1:D:76:ILE:CA	1:D:911:HIS:NE2	2.66	0.59
1:D:403:THR:HA	1:D:406:VAL:HG13	1.85	0.59
1:D:872:SER:OG	1:D:1200:PRO:N	2.35	0.59
1:D:873:GLU:OE1	1:D:1203:PRO:CG	2.50	0.59
1:D:1069:ILE:HG12	1:D:1070:PRO:CD	2.32	0.59
1:D:1175:GLN:HG3	1:D:1176:SER:N	2.16	0.59
2:E:78:PHE:CD2	2:E:102:LEU:CD1	2.85	0.59
2:E:193:TYR:HE2	2:E:322:LEU:HD22	1.66	0.59
2:E:447:THR:HG23	2:E:452:LEU:H	1.68	0.59
2:F:402:LEU:O	2:F:403:PHE:C	2.45	0.59
2:F:469:SER:C	2:F:471:LEU:HD12	2.27	0.59
1:A:175:TRP:CD1	1:A:176:THR:N	2.71	0.59
1:A:365:TYR:N	1:A:365:TYR:CD2	2.70	0.59
1:A:634:LEU:HD12	1:A:638:THR:CG2	2.33	0.59
1:A:851:THR:OG1	1:A:1102:GLN:HB3	2.02	0.59
1:A:1043:VAL:C	1:A:1046:GLU:H	2.10	0.59
2:B:82:SER:HB3	2:B:85:GLN:HG2	1.85	0.59
2:B:204:LEU:CG	2:B:325:ARG:HH21	2.05	0.59
2:C:314:MET:HE3	2:C:315:TYR:CE2	2.32	0.59
1:D:167:PRO:CD	1:D:168:ALA:H	2.16	0.59
1:D:245:ILE:CG1	1:D:246:PRO:HD3	2.33	0.59
1:D:260:ASP:OD2	1:D:260:ASP:C	2.45	0.59
1:D:306:SER:CB	1:D:1058:PHE:CE2	2.86	0.59
1:D:312:TRP:CA	1:D:316:LYS:HD3	2.32	0.59
1:D:479:TYR:HD1	1:D:480:LYS:HG3	1.65	0.59
1:D:509:THR:HG21	1:D:512:LYS:HD3	1.85	0.59
1:D:769:ASP:O	1:D:773:LYS:HG2	2.02	0.59
1:D:775:GLU:CG	1:D:780:GLN:HG3	2.20	0.59
1:D:795:ASN:N	1:D:795:ASN:ND2	2.34	0.59
1:D:875:LYS:HG3	1:D:1189:LEU:O	2.01	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1015:THR:CG2	1:D:1026:ARG:HB2	2.32	0.59
1:D:1148:ARG:CZ	1:D:1231:LEU:HD22	2.33	0.59
2:E:106:LEU:O	2:E:109:ASN:OD1	2.20	0.59
2:E:205:PRO:HG2	2:E:241:TRP:HE1	1.67	0.59
2:E:282:GLU:HG3	2:E:309:HIS:CE1	2.37	0.59
2:E:318:ASN:O	2:E:319:VAL:C	2.46	0.59
2:E:466:MET:HG2	2:E:467:HIS:H	1.67	0.59
2:E:475:LEU:HB3	2:E:479:ILE:CD1	2.33	0.59
2:F:67:GLU:O	2:F:71:GLU:N	2.33	0.59
2:F:251:TRP:HA	2:F:251:TRP:HE3	1.66	0.59
2:F:306:LEU:HD21	2:F:310:GLU:CG	2.33	0.59
2:F:343:ASP:HB2	2:F:347:LEU:HD11	1.83	0.59
2:F:402:LEU:HG	2:F:472:LYS:HZ3	1.67	0.59
2:F:428:LEU:HB3	2:F:432:TYR:CE1	2.38	0.59
2:F:430:SER:OG	2:F:431:LYS:N	2.34	0.59
2:F:432:TYR:CB	2:F:437:ILE:HD11	2.31	0.59
1:A:154:ALA:O	1:A:158:LEU:HD13	2.02	0.59
1:A:213:VAL:HG12	1:A:401:TRP:CE2	2.36	0.59
1:A:282:TYR:CZ	1:A:291:PHE:CE1	2.91	0.59
1:A:460:LYS:O	1:A:464:MET:N	2.36	0.59
1:A:605:LEU:HB2	1:A:614:TYR:CD1	2.38	0.59
1:A:616:GLU:O	1:A:617:ARG:HB2	2.01	0.59
1:A:728:THR:CG2	1:A:729:GLN:H	2.03	0.59
1:A:875:LYS:O	1:A:1189:LEU:HB2	2.02	0.59
1:A:996:ARG:CD	1:A:1000:GLU:O	2.51	0.59
1:A:1003:TRP:HA	1:A:1006:ARG:HB2	1.85	0.59
1:A:1231:LEU:HD12	1:A:1235:SER:CB	2.33	0.59
2:B:106:LEU:O	2:B:110:LEU:N	2.32	0.59
2:C:344:ARG:CA	2:C:347:LEU:HB2	2.25	0.59
2:C:393:LEU:HA	2:C:396:ARG:HG3	1.85	0.59
1:D:176:THR:HG23	1:D:177:ARG:N	2.16	0.59
1:D:279:ARG:CZ	1:D:433:SER:O	2.51	0.59
1:D:472:GLN:CG	2:F:460:THR:OG1	2.51	0.59
1:D:646:VAL:HG12	1:D:647:CYS:N	2.18	0.59
1:D:742:VAL:CG2	1:D:748:TRP:CE3	2.86	0.59
1:D:868:ASP:OD1	1:D:1199:THR:HG21	2.03	0.59
1:D:873:GLU:CD	1:D:1203:PRO:HG3	2.28	0.59
2:F:208:LEU:CD1	2:F:208:LEU:O	2.48	0.59
1:A:157:LEU:HD21	1:A:194:ALA:O	2.03	0.59
1:A:245:ILE:HG13	1:A:246:PRO:CD	2.22	0.59
1:A:464:MET:SD	1:A:579:ARG:HB2	2.43	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:560:PRO:HB2	2:C:452:LEU:HD21	1.85	0.59
1:A:604:ALA:CB	1:A:717:LEU:CD1	2.80	0.59
1:A:617:ARG:HB3	1:A:763:GLY:O	2.03	0.59
1:A:1060:LYS:HE2	1:A:1064:ILE:HG23	1.85	0.59
1:A:1113:LEU:HB2	1:A:1117:LYS:NZ	2.18	0.59
2:B:411:ILE:HD12	2:B:411:ILE:N	2.18	0.59
2:C:466:MET:CA	2:C:471:LEU:HD22	2.33	0.59
1:D:86:GLN:HE21	1:D:132:GLY:HA3	1.68	0.59
1:D:312:TRP:CE3	1:D:316:LYS:HD2	2.38	0.59
1:D:348:LEU:HD21	1:D:350:ILE:CG1	2.23	0.59
1:D:597:ARG:NH1	1:D:725:PRO:N	2.51	0.59
1:D:667:GLN:C	1:D:671:GLN:HG2	2.27	0.59
1:D:885:THR:HG22	1:D:1186:ASP:C	2.28	0.59
1:D:907:PHE:HE2	1:D:913:CYS:HG	1.50	0.59
1:D:973:LEU:HB3	1:D:977:GLU:OE1	2.01	0.59
1:D:1057:MET:HB3	1:D:1064:ILE:CD1	2.26	0.59
1:D:1069:ILE:CB	1:D:1070:PRO:CD	2.77	0.59
1:D:1109:LEU:HD21	1:D:1137:VAL:HG21	1.85	0.59
2:E:76:ARG:CG	2:E:435:MET:SD	2.90	0.59
2:E:199:LEU:CG	2:E:200:VAL:N	2.65	0.59
2:E:218:VAL:HB	2:E:230:SER:OG	2.02	0.59
2:E:247:THR:HB	2:E:251:TRP:NE1	2.18	0.59
2:E:379:ALA:HB3	2:E:438:LEU:HD21	1.85	0.59
2:F:407:LEU:C	2:F:407:LEU:CD2	2.76	0.59
2:F:442:LEU:O	2:F:455:LEU:CD1	2.50	0.59
1:A:173:GLU:OE2	1:A:223:TRP:CZ2	2.47	0.59
1:A:509:THR:CB	1:A:513:LEU:HD21	2.33	0.59
1:A:853:ARG:NH1	1:A:1102:GLN:O	2.36	0.59
1:A:868:ASP:CB	1:A:1199:THR:HB	2.33	0.59
1:A:896:LEU:HD21	1:A:951:TYR:CE2	2.38	0.59
1:A:1147:TYR:O	1:A:1150:ALA:HB3	2.03	0.59
1:A:1179:PHE:O	1:A:1220:ILE:HD11	2.03	0.59
1:A:1198:LYS:C	1:A:1199:THR:HG23	2.27	0.59
2:B:182:ARG:HB3	2:B:215:PHE:HD1	1.67	0.59
2:B:285:LYS:C	2:B:305:ASN:HD22	2.11	0.59
2:C:67:GLU:O	2:C:71:GLU:HB3	2.02	0.59
2:C:81:GLY:HA3	2:C:97:PRO:CD	2.33	0.59
2:C:114:TRP:NE1	2:C:259:ARG:NH2	2.51	0.59
2:C:361:PHE:HD2	2:C:362:THR:HG23	1.66	0.59
2:C:466:MET:O	2:C:467:HIS:C	2.45	0.59
1:D:297:MET:HG3	1:D:415:LEU:CD1	2.32	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:357:ALA:O	1:D:358:GLU:C	2.40	0.59
1:D:482:ASP:CB	1:D:483:PRO:HD2	2.32	0.59
1:D:502:LYS:CG	1:D:506:GLU:HB3	2.33	0.59
1:D:514:PRO:O	1:D:568:GLY:HA3	2.03	0.59
1:D:516:GLU:HG2	1:D:565:HIS:NE2	2.17	0.59
1:D:742:VAL:CG1	1:D:743:ASP:N	2.65	0.59
1:D:901:VAL:O	1:D:902:LEU:C	2.46	0.59
1:D:949:PHE:C	1:D:949:PHE:CD1	2.80	0.59
1:D:999:ASP:C	1:D:1001:GLY:N	2.59	0.59
1:D:1165:ALA:HB3	1:D:1166:TYR:CD1	2.37	0.59
2:E:352:ASP:CG	2:E:352:ASP:O	2.45	0.59
2:E:402:LEU:O	2:E:403:PHE:C	2.46	0.59
2:F:256:LEU:O	2:F:257:ARG:C	2.46	0.59
2:F:304:TRP:N	2:F:337:SER:CB	2.52	0.59
2:F:371:VAL:HG23	2:F:433:ASP:CA	2.32	0.59
2:F:382:LYS:O	2:F:438:LEU:HB2	2.02	0.59
2:F:413:VAL:C	2:F:415:PRO:HD2	2.27	0.59
1:A:188:ALA:C	1:A:189:ILE:HG12	2.27	0.58
1:A:201:VAL:HG13	1:A:206:GLY:O	2.03	0.58
1:A:245:ILE:O	1:A:248:GLU:CG	2.51	0.58
1:A:371:LYS:HD3	1:A:396:CYS:CA	2.21	0.58
1:A:426:GLY:HA2	1:A:1117:LYS:HZ1	1.66	0.58
1:A:750:PHE:CD1	1:A:750:PHE:N	2.71	0.58
1:A:937:THR:HA	1:A:940:GLY:HA2	1.84	0.58
1:A:996:ARG:NH1	1:A:1003:TRP:HB3	2.17	0.58
2:B:122:ARG:O	2:B:124:GLN:N	2.30	0.58
2:B:203:ARG:HH11	2:B:206:TYR:HB3	1.68	0.58
2:B:385:LEU:CB	2:B:441:VAL:HG23	2.32	0.58
2:C:74:GLN:HG3	2:C:75:ARG:N	2.17	0.58
2:C:81:GLY:HA3	2:C:97:PRO:HD2	1.84	0.58
2:C:128:VAL:CG1	2:C:192:HIS:HD2	2.16	0.58
2:C:308:ASP:OD1	2:C:333:PRO:C	2.46	0.58
2:C:344:ARG:CG	2:C:347:LEU:HD22	2.33	0.58
2:C:351:TYR:HD1	2:C:355:GLN:HA	1.67	0.58
2:C:466:MET:HE3	2:C:471:LEU:CB	2.27	0.58
2:C:483:LYS:HE2	2:C:483:LYS:C	2.27	0.58
1:D:213:VAL:HG13	1:D:401:TRP:NE1	2.17	0.58
1:D:291:PHE:O	1:D:293:ASP:N	2.36	0.58
1:D:439:GLN:NE2	1:D:837:TYR:HE2	2.01	0.58
1:D:474:LEU:N	1:D:474:LEU:CD1	2.65	0.58
1:D:567:PRO:O	1:D:569:HIS:N	2.36	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:620:TRP:CD1	1:D:620:TRP:N	2.69	0.58
1:D:898:ILE:CG1	1:D:899:ALA:N	2.66	0.58
1:D:967:MET:CE	1:D:978:ALA:HB2	2.33	0.58
1:D:972:ARG:C	1:D:974:THR:HG23	2.28	0.58
1:D:981:LYS:O	1:D:985:MET:HG3	2.03	0.58
1:D:1188:CYS:SG	1:D:1189:LEU:N	2.75	0.58
2:F:131:LEU:O	2:F:133:HIS:HB2	2.03	0.58
2:F:239:LEU:H	2:F:338:VAL:CB	2.14	0.58
2:F:294:PRO:HD2	2:F:295:TRP:CZ3	2.38	0.58
2:F:475:LEU:HA	2:F:478:TYR:HB2	1.85	0.58
1:A:76:ILE:CB	1:A:911:HIS:CE1	2.82	0.58
1:A:80:SER:OG	1:A:81:ARG:N	2.35	0.58
1:A:296:SER:CB	1:A:847:ALA:HB3	2.30	0.58
1:A:298:HIS:ND1	1:A:298:HIS:C	2.61	0.58
1:A:445:LEU:O	1:A:449:GLN:HG3	2.03	0.58
1:A:526:ASP:OD2	1:A:527:GLN:N	2.36	0.58
1:A:627:ARG:O	1:A:627:ARG:HG3	2.03	0.58
1:A:655:LEU:O	1:A:659:HIS:CB	2.48	0.58
1:A:1111:LEU:O	1:A:1112:MET:C	2.46	0.58
2:B:269:SER:CB	2:B:352:ASP:OD1	2.51	0.58
2:B:277:ASP:HA	2:B:287:ASN:CG	2.28	0.58
2:C:208:LEU:HD12	2:C:208:LEU:C	2.26	0.58
2:C:287:ASN:O	2:C:302:THR:O	2.21	0.58
2:C:403:PHE:HD1	2:C:417:TYR:HH	1.48	0.58
2:C:452:LEU:HD12	2:C:453:ILE:CG1	2.33	0.58
1:D:177:ARG:HG2	1:D:218:SER:OG	2.03	0.58
1:D:247:LEU:CA	1:D:815:TRP:HD1	2.16	0.58
1:D:371:LYS:HZ1	1:D:396:CYS:HB2	1.66	0.58
1:D:456:GLN:O	1:D:460:LYS:HD3	2.03	0.58
1:D:503:VAL:C	1:D:505:LYS:N	2.46	0.58
1:D:607:TRP:O	1:D:611:PRO:O	2.21	0.58
1:D:737:GLY:N	1:D:750:PHE:HZ	1.94	0.58
1:D:802:ARG:HG3	1:D:803:ASN:OD1	2.02	0.58
1:D:829:PRO:HG3	1:D:831:TYR:CZ	2.38	0.58
1:D:1010:LEU:C	1:D:1012:VAL:H	2.10	0.58
1:D:1067:SER:HB3	1:D:1073:PRO:HG2	1.85	0.58
1:D:1196:ASP:OD2	1:D:1204:THR:HG21	2.03	0.58
2:E:79:LEU:CA	2:E:100:GLY:N	2.65	0.58
2:E:369:ARG:CA	2:E:430:SER:HB3	2.33	0.58
2:F:254:PHE:CE2	2:F:255:TRP:CE2	2.90	0.58
2:F:328:ARG:C	2:F:329:LYS:HD2	2.27	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:455:LEU:HB3	2:F:456:ARG:HE	1.66	0.58
1:A:579:ARG:HG2	1:A:579:ARG:HH11	1.68	0.58
1:A:606:THR:N	1:A:613:HIS:O	2.36	0.58
1:A:711:ALA:C	1:A:713:PRO:CD	2.65	0.58
1:A:752:LEU:HB3	1:A:753:PRO:CA	2.33	0.58
1:A:976:GLN:O	1:A:979:ALA:HB3	2.02	0.58
1:A:1046:GLU:OE1	1:A:1046:GLU:HA	2.03	0.58
2:B:133:HIS:CE1	2:C:231:ILE:CG2	2.86	0.58
2:B:418:LEU:HD23	2:B:418:LEU:C	2.28	0.58
2:C:354:PHE:HE1	2:C:370:LYS:CB	2.16	0.58
2:C:398:VAL:CA	2:C:401:GLY:H	2.15	0.58
2:C:405:GLU:OE1	2:C:406:LEU:HD12	2.03	0.58
1:D:131:TYR:CB	1:D:138:HIS:HE1	2.13	0.58
1:D:375:GLU:O	1:D:378:VAL:N	2.34	0.58
1:D:617:ARG:O	1:D:762:VAL:CG2	2.49	0.58
1:D:656:TYR:C	1:D:659:HIS:CE1	2.81	0.58
1:D:801:TRP:O	1:D:804:ALA:N	2.36	0.58
1:D:1069:ILE:CG2	1:D:1070:PRO:CD	2.61	0.58
1:D:1141:VAL:HG11	1:D:1146:ARG:HA	1.86	0.58
1:D:1151:LEU:CD2	1:D:1223:ILE:HD11	2.33	0.58
1:D:1165:ALA:C	1:D:1166:TYR:CD1	2.77	0.58
2:E:123:GLU:HB3	2:F:403:PHE:CZ	2.39	0.58
2:E:239:LEU:CD2	2:E:338:VAL:HG21	2.34	0.58
2:E:390:GLY:H	2:E:395:LEU:HG	1.64	0.58
2:F:130:ALA:HB1	2:F:182:ARG:NH1	2.17	0.58
2:F:241:TRP:HZ3	2:F:255:TRP:CZ2	2.21	0.58
2:F:368:HIS:CE1	2:F:370:LYS:HD2	2.37	0.58
2:F:388:GLY:O	2:F:444:THR:HA	2.03	0.58
2:F:456:ARG:HE	2:F:456:ARG:N	2.00	0.58
2:F:473:ASP:C	2:F:476:ILE:HG23	2.27	0.58
1:A:79:LEU:CB	1:A:89:GLY:HA2	2.28	0.58
1:A:291:PHE:O	1:A:292:LEU:HB2	2.04	0.58
1:A:312:TRP:O	1:A:316:LYS:HB3	2.03	0.58
1:A:374:ARG:NE	1:A:392:LEU:CD1	2.62	0.58
1:A:385:ILE:HG23	1:A:386:ARG:N	2.17	0.58
1:A:443:ARG:O	1:A:447:GLU:HG3	2.02	0.58
1:A:601:LYS:HZ1	1:A:721:ALA:C	2.10	0.58
1:A:616:GLU:HG3	1:A:724:GLY:O	2.03	0.58
1:A:744:ILE:CB	1:A:745:PRO:CD	2.74	0.58
1:A:929:THR:HG23	1:A:947:LYS:HD3	1.85	0.58
1:A:958:GLY:CA	1:A:986:TYR:CE2	2.86	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1007:GLU:CD	1:A:1093:MET:HE2	2.28	0.58
1:A:1014:ARG:O	1:A:1015:THR:HG23	2.03	0.58
1:A:1020:ILE:CG1	1:A:1021:SER:N	2.66	0.58
1:A:1209:ARG:HH12	2:C:256:LEU:CB	2.16	0.58
2:B:248:SER:O	2:B:252:LEU:HD13	2.03	0.58
2:C:59:ALA:HA	2:C:62:SER:OG	2.02	0.58
2:C:383:VAL:HG22	2:C:384:ALA:N	2.18	0.58
2:C:444:THR:O	2:C:445:GLU:C	2.47	0.58
2:C:448:LEU:HA	2:C:451:GLY:HA2	1.83	0.58
1:D:259:ARG:O	1:D:260:ASP:OD2	2.21	0.58
1:D:297:MET:HE2	1:D:415:LEU:HD21	1.85	0.58
1:D:401:TRP:CD1	1:D:404:HIS:HD2	2.21	0.58
1:D:597:ARG:CA	1:D:616:GLU:OE1	2.51	0.58
1:D:728:THR:HG23	1:D:741:ASP:OD2	2.04	0.58
1:D:916:PHE:O	1:D:916:PHE:HD1	1.86	0.58
1:D:995:TYR:CE1	1:D:1004:LEU:CB	2.62	0.58
1:D:1138:ARG:NH2	1:D:1191:LYS:NZ	2.51	0.58
2:E:72:ILE:HD11	2:E:370:LYS:HE2	1.85	0.58
2:E:88:ARG:HD3	2:E:88:ARG:H	1.66	0.58
2:E:96:HIS:C	2:E:98:GLY:H	2.11	0.58
2:E:130:ALA:HB2	2:E:210:GLN:NE2	2.19	0.58
2:F:208:LEU:CD2	2:F:242:PHE:CD2	2.87	0.58
1:A:316:LYS:HZ2	1:A:350:ILE:CG2	2.17	0.58
1:A:572:TRP:HB2	2:C:477:LYS:HE2	1.85	0.58
1:A:660:CYS:CB	1:A:745:PRO:HG3	2.33	0.58
1:A:732:TYR:CE1	1:A:755:LYS:HG2	2.38	0.58
2:B:309:HIS:HB3	2:B:312:LEU:HD23	1.78	0.58
2:B:385:LEU:HB3	2:B:441:VAL:CG2	2.33	0.58
2:C:88:ARG:HG2	2:C:89:ASP:N	2.17	0.58
2:C:146:ARG:CB	2:C:228:VAL:HG11	2.33	0.58
2:C:346:MET:HE3	2:C:347:LEU:HD12	1.85	0.58
2:C:456:ARG:HB2	2:C:463:LYS:HB3	1.84	0.58
1:D:223:TRP:CZ3	1:D:250:PRO:HB2	2.38	0.58
1:D:249:VAL:CG2	1:D:251:THR:HG22	2.33	0.58
1:D:449:GLN:O	1:D:452:TYR:CD2	2.56	0.58
1:D:472:GLN:O	1:D:473:LEU:C	2.47	0.58
1:D:1068:ASP:O	1:D:1069:ILE:O	2.21	0.58
1:D:1204:THR:C	1:D:1207:GLU:HB3	2.29	0.58
2:E:429:TYR:O	2:E:431:LYS:O	2.20	0.58
2:F:208:LEU:HD12	2:F:208:LEU:C	2.28	0.58
2:F:241:TRP:HB2	2:F:336:LEU:HB2	1.82	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:274:SER:OG	2:F:275:SER:N	2.35	0.58
2:F:414:TRP:O	2:F:414:TRP:CG	2.56	0.58
1:A:77:GLN:HB2	1:A:1174:PRO:CB	2.34	0.58
1:A:197:PHE:HB3	1:A:277:HIS:CD2	2.39	0.58
1:A:296:SER:HB2	1:A:846:THR:O	2.02	0.58
1:A:588:GLY:HA3	1:A:806:LYS:NZ	2.18	0.58
1:A:886:LEU:N	1:A:1146:ARG:CZ	2.67	0.58
1:A:930:ASP:CA	1:A:933:SER:HB3	2.31	0.58
1:A:948:ILE:HG13	1:A:949:PHE:CD2	2.38	0.58
1:A:1131:ILE:HG12	1:A:1133:ILE:H	1.68	0.58
1:A:1154:GLN:NE2	1:A:1220:ILE:HG13	2.19	0.58
2:B:133:HIS:NE2	2:C:231:ILE:HG22	2.19	0.58
2:C:452:LEU:CD1	2:C:453:ILE:H	2.16	0.58
1:D:381:THR:HG23	1:D:382:MET:N	2.19	0.58
1:D:401:TRP:O	1:D:405:GLU:HG2	2.03	0.58
1:D:472:GLN:O	2:F:461:THR:HG21	2.03	0.58
1:D:652:ILE:HG22	1:D:656:TYR:HE2	1.67	0.58
1:D:948:ILE:CG2	1:D:1071:ARG:CB	2.80	0.58
1:D:1131:ILE:HD11	1:D:1138:ARG:C	2.28	0.58
2:E:123:GLU:C	2:E:125:VAL:N	2.59	0.58
2:E:278:CYS:O	2:E:286:GLY:O	2.20	0.58
2:E:445:GLU:CD	2:E:446:THR:N	2.62	0.58
1:A:220:TRP:NE1	1:A:221:TYR:CD1	2.72	0.58
1:A:227:ARG:NH1	1:A:382:MET:HE2	2.19	0.58
1:A:232:ARG:HD2	1:A:239:LEU:HD23	1.86	0.58
1:A:312:TRP:HZ2	1:A:346:ASP:C	2.12	0.58
1:A:605:LEU:H	1:A:717:LEU:HD21	1.69	0.58
1:A:622:TYR:N	1:A:747:CYS:O	2.37	0.58
1:A:637:GLY:O	1:A:641:GLU:HG2	2.03	0.58
1:A:659:HIS:HD2	1:A:720:THR:HB	1.68	0.58
1:A:739:TYR:O	1:A:740:ASN:HB3	2.02	0.58
1:A:884:TYR:HB3	1:A:1140:LEU:HD21	1.84	0.58
1:A:914:THR:O	1:A:915:ALA:HB3	2.04	0.58
1:A:1006:ARG:CZ	1:A:1010:LEU:CD1	2.81	0.58
2:B:396:ARG:HD2	2:B:418:LEU:N	2.19	0.58
2:C:68:ALA:O	2:C:72:ILE:HG12	2.04	0.58
2:C:423:SER:CB	2:C:428:LEU:HD21	2.33	0.58
1:D:273:PHE:N	1:D:843:GLN:OE1	2.37	0.58
1:D:279:ARG:CB	1:D:841:LEU:CB	2.82	0.58
1:D:405:GLU:O	1:D:406:VAL:C	2.47	0.58
1:D:464:MET:O	1:D:467:ALA:HB3	2.03	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:491:ASP:O	1:D:492:LEU:C	2.45	0.58
1:D:601:LYS:HZ1	1:D:722:ARG:H	1.51	0.58
1:D:603:MET:O	1:D:604:ALA:C	2.46	0.58
1:D:744:ILE:HB	1:D:745:PRO:CD	2.34	0.58
1:D:776:ASP:CG	1:D:777:GLY:N	2.61	0.58
1:D:823:ARG:NH1	1:D:824:ALA:HB2	2.18	0.58
2:E:104:VAL:HG21	2:F:128:VAL:HA	1.84	0.58
2:E:229:LYS:HG2	2:E:231:ILE:HG13	1.84	0.58
2:E:456:ARG:HG2	2:E:457:SER:N	2.16	0.58
1:A:76:ILE:CG1	1:A:77:GLN:HG3	2.22	0.58
1:A:110:HIS:O	1:A:112:LEU:CD1	2.51	0.58
1:A:296:SER:HB3	1:A:846:THR:O	2.03	0.58
1:A:389:PHE:HD2	1:A:393:MET:HG2	1.68	0.58
1:A:588:GLY:CA	1:A:806:LYS:HZ1	2.16	0.58
1:A:623:LEU:O	1:A:625:PRO:CD	2.52	0.58
1:A:788:GLY:HA2	1:A:791:ALA:HB3	1.86	0.58
1:A:844:VAL:O	1:A:844:VAL:HG13	2.02	0.58
2:B:323:HIS:CB	2:B:331:VAL:O	2.52	0.58
2:B:412:SER:C	2:B:413:VAL:CG2	2.77	0.58
2:C:84:GLN:C	2:C:86:LEU:H	2.11	0.58
2:C:229:LYS:O	2:C:230:SER:HB2	2.02	0.58
2:C:246:ARG:O	2:C:247:THR:C	2.45	0.58
2:C:444:THR:N	2:C:447:THR:CG2	2.67	0.58
2:C:454:HIS:CB	2:C:468:ILE:HD12	2.33	0.58
1:D:252:GLY:O	1:D:253:ALA:CB	2.49	0.58
1:D:312:TRP:O	1:D:316:LYS:HD3	2.04	0.58
1:D:371:LYS:O	1:D:372:GLU:HB2	2.03	0.58
1:D:434:TYR:C	1:D:1130:CYS:HB3	2.29	0.58
1:D:441:TRP:NE1	1:D:880:ALA:N	2.47	0.58
1:D:670:PRO:CG	1:D:673:ALA:HB2	2.20	0.58
1:D:798:ILE:CG2	1:D:869:ARG:CZ	2.80	0.58
1:D:949:PHE:CD1	1:D:950:ASN:N	2.72	0.58
2:F:342:LEU:N	2:F:342:LEU:HD22	2.19	0.58
2:F:458:ARG:HH11	2:F:458:ARG:HG3	1.69	0.58
2:F:474:PHE:CE2	2:F:475:LEU:HD23	2.39	0.58
1:A:230:GLU:OE1	1:A:231:GLU:N	2.23	0.58
1:A:386:ARG:CZ	1:A:387:GLU:HG2	2.34	0.58
1:A:389:PHE:CD2	1:A:393:MET:HG2	2.39	0.58
1:A:411:LEU:HD12	1:A:411:LEU:C	2.28	0.58
1:A:618:HIS:HB2	1:A:725:PRO:CD	2.34	0.58
1:A:630:ASN:HD21	1:A:632:ALA:HB2	1.68	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:726:LYS:HD3	1:A:727:ASP:OD2	2.04	0.58
2:B:475:LEU:O	2:B:479:ILE:HD13	2.04	0.58
2:C:134:LYS:CB	2:C:180:LYS:CE	2.81	0.58
2:C:344:ARG:HA	2:C:347:LEU:HD13	1.86	0.58
2:C:395:LEU:HD11	2:C:447:THR:OG1	2.03	0.58
1:D:169:TRP:O	1:D:169:TRP:CD1	2.57	0.58
1:D:195:LEU:H	1:D:265:LEU:HD13	1.68	0.58
1:D:203:LEU:N	1:D:380:GLY:CA	2.52	0.58
1:D:472:GLN:CD	2:F:460:THR:O	2.47	0.58
1:D:549:LEU:N	1:D:551:LYS:HD3	2.17	0.58
1:D:742:VAL:HG21	1:D:748:TRP:CE3	2.38	0.58
1:D:770:PHE:HA	1:D:773:LYS:CG	2.34	0.58
1:D:868:ASP:O	1:D:869:ARG:HB2	2.02	0.58
1:D:891:VAL:CG2	1:D:1135:ASP:HA	2.34	0.58
1:D:993:ARG:O	1:D:996:ARG:CD	2.52	0.58
1:D:1207:GLU:CA	1:D:1210:TYR:CD2	2.79	0.58
2:E:215:PHE:HB2	2:E:232:GLY:O	2.04	0.58
2:E:270:PRO:HA	2:E:273:PHE:HD2	1.66	0.58
2:E:326:ASP:H	2:E:331:VAL:CG1	2.16	0.58
2:F:197:LEU:HD11	2:F:322:LEU:HD21	1.85	0.58
2:F:214:CYS:SG	2:F:236:GLU:HG2	2.43	0.58
2:F:241:TRP:HB2	2:F:336:LEU:CB	2.33	0.58
2:F:253:ASP:HB3	2:F:257:ARG:CZ	2.34	0.58
2:F:442:LEU:O	2:F:455:LEU:HD21	2.04	0.58
1:A:167:PRO:HB2	1:A:177:ARG:NE	2.19	0.58
1:A:253:ALA:HB2	1:A:280:GLU:CA	2.34	0.58
1:A:316:LYS:NZ	1:A:350:ILE:HG13	2.18	0.58
1:A:392:LEU:HD21	1:A:395:TYR:HB2	1.86	0.58
1:A:448:ALA:O	1:A:870:VAL:CG1	2.51	0.58
1:A:534:SER:OG	1:A:535:GLU:N	2.37	0.58
1:A:620:TRP:CD1	1:A:620:TRP:N	2.70	0.58
1:A:775:GLU:HB3	1:A:796:LYS:HD2	1.84	0.58
1:A:866:ARG:HD3	1:A:866:ARG:C	2.27	0.58
1:A:900:ALA:HA	1:A:915:ALA:HB1	1.83	0.58
1:A:900:ALA:HA	1:A:915:ALA:HB2	1.84	0.58
1:A:1027:LYS:CB	1:A:1092:PHE:HD2	2.09	0.58
1:A:1236:GLN:CB	1:A:1237:PRO:HD3	2.22	0.58
2:B:217:PRO:HA	2:B:232:GLY:H	1.69	0.58
1:D:145:LYS:CB	1:D:1118:TRP:CH2	2.86	0.58
1:D:267:VAL:C	1:D:269:HIS:NE2	2.62	0.58
1:D:371:LYS:HG3	1:D:396:CYS:N	2.18	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:490:TRP:HZ2	1:D:598:VAL:HB	1.66	0.58
1:D:607:TRP:NE1	1:D:780:GLN:H	1.95	0.58
1:D:938:THR:C	1:D:939:VAL:HG23	2.29	0.58
1:D:1029:GLN:CD	1:D:1030:ARG:HH21	2.09	0.58
2:E:218:VAL:N	2:E:231:ILE:HA	2.19	0.58
2:E:389:ARG:NH2	2:E:390:GLY:O	2.37	0.58
2:E:396:ARG:HA	2:E:399:CYS:SG	2.44	0.58
2:E:403:PHE:CZ	2:E:407:LEU:HD11	2.39	0.58
2:E:425:LEU:N	2:E:428:LEU:HD11	2.17	0.58
2:F:421:MET:HG3	2:F:422:GLN:N	2.18	0.58
2:F:439:PHE:CD1	2:F:458:ARG:HG3	2.39	0.58
1:A:214:ALA:N	1:A:401:TRP:HZ2	2.02	0.57
1:A:847:ALA:HA	1:A:852:ARG:HB3	1.86	0.57
1:A:1131:ILE:HG12	1:A:1137:VAL:HA	1.86	0.57
1:A:1207:GLU:CA	1:A:1210:TYR:CD1	2.87	0.57
2:B:104:VAL:CG2	2:C:128:VAL:O	2.52	0.57
2:B:260:LEU:O	2:B:264:ARG:HG3	2.03	0.57
2:B:323:HIS:CE1	2:B:330:ASN:HB2	2.38	0.57
2:C:185:LEU:HG	2:C:214:CYS:SG	2.44	0.57
2:C:193:TYR:HB2	2:C:242:PHE:CZ	2.38	0.57
2:C:294:PRO:HD2	2:C:295:TRP:CZ3	2.39	0.57
2:C:413:VAL:HG12	2:C:414:TRP:N	2.18	0.57
1:D:86:GLN:HG3	1:D:132:GLY:O	2.04	0.57
1:D:176:THR:H	1:D:185:VAL:CG1	2.17	0.57
1:D:287:SER:C	1:D:288:ARG:NE	2.62	0.57
1:D:357:ALA:C	1:D:359:VAL:H	2.12	0.57
1:D:720:THR:C	1:D:721:ALA:O	2.32	0.57
1:D:815:TRP:CE3	1:D:838:GLY:N	2.67	0.57
1:D:1124:ALA:CB	1:D:1148:ARG:NH1	2.61	0.57
2:E:94:GLY:O	2:E:96:HIS:CD2	2.57	0.57
2:E:404:ASN:O	2:E:406:LEU:N	2.37	0.57
2:F:308:ASP:OD2	2:F:308:ASP:N	2.36	0.57
1:A:712:VAL:N	1:A:713:PRO:HD3	2.20	0.57
1:A:1019:TRP:HZ2	1:A:1111:LEU:HD21	1.67	0.57
2:B:208:LEU:CD2	2:B:240:VAL:HB	2.33	0.57
2:B:472:LYS:HG3	2:B:473:ASP:H	1.68	0.57
2:C:206:TYR:CZ	2:C:208:LEU:HD23	2.39	0.57
2:C:278:CYS:SG	2:C:279:GLN:N	2.77	0.57
2:C:299:LEU:N	2:C:299:LEU:CD2	2.64	0.57
2:C:357:THR:C	2:C:359:ASN:N	2.61	0.57
2:C:363:ARG:CA	2:C:363:ARG:NH1	2.64	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:389:ARG:CZ	2:C:390:GLY:N	2.67	0.57
2:C:452:LEU:CD1	2:C:453:ILE:N	2.65	0.57
2:C:454:HIS:HA	2:C:468:ILE:CD1	2.27	0.57
1:D:293:ASP:OD2	1:D:293:ASP:C	2.46	0.57
1:D:371:LYS:CE	1:D:396:CYS:HB2	2.34	0.57
1:D:459:MET:N	1:D:460:LYS:CE	2.67	0.57
1:D:607:TRP:HD1	1:D:779:LEU:CA	2.17	0.57
1:D:726:LYS:O	1:D:726:LYS:HD3	2.03	0.57
1:D:900:ALA:CA	1:D:915:ALA:CB	2.81	0.57
1:D:1131:ILE:CG1	1:D:1138:ARG:H	2.15	0.57
1:D:1151:LEU:CD1	1:D:1227:THR:OG1	2.51	0.57
1:D:1236:GLN:HB2	1:D:1237:PRO:HD2	1.86	0.57
2:E:106:LEU:C	2:E:109:ASN:OD1	2.47	0.57
2:E:255:TRP:HA	2:E:255:TRP:HE3	1.67	0.57
2:F:61:GLY:C	2:F:64:GLU:HG2	2.29	0.57
2:F:92:LEU:HD21	2:F:344:ARG:HE	1.69	0.57
2:F:216:HIS:O	2:F:231:ILE:HD13	2.03	0.57
2:F:484:ASN:C	2:F:485:VAL:CG1	2.77	0.57
1:A:79:LEU:HB3	1:A:89:GLY:CA	2.30	0.57
1:A:272:SER:HA	1:A:275:ARG:HD3	1.86	0.57
1:A:389:PHE:CD1	1:A:390:GLN:NE2	2.72	0.57
1:A:403:THR:OG1	1:A:404:HIS:N	2.37	0.57
1:A:421:PRO:HG2	1:A:422:VAL:N	2.19	0.57
1:A:608:ASP:HB3	1:A:779:LEU:CB	2.34	0.57
1:A:634:LEU:HD12	1:A:638:THR:HG21	1.85	0.57
1:A:659:HIS:CE1	1:A:663:GLN:CD	2.82	0.57
1:A:773:LYS:HZ1	1:A:1057:MET:HE1	1.65	0.57
1:A:943:ARG:O	1:A:947:LYS:HG3	2.04	0.57
1:A:1183:VAL:O	1:A:1217:ALA:HB1	2.03	0.57
2:B:67:GLU:CB	2:B:70:LEU:HD13	2.35	0.57
2:C:78:PHE:O	2:C:99:PHE:HB3	2.03	0.57
2:C:352:ASP:O	2:C:356:LEU:HG	2.04	0.57
2:C:395:LEU:HD23	2:C:395:LEU:O	2.04	0.57
1:D:157:LEU:HG	1:D:194:ALA:HB1	1.84	0.57
1:D:175:TRP:CB	1:D:185:VAL:HG13	2.33	0.57
1:D:442:GLU:OE2	1:D:442:GLU:CA	2.50	0.57
1:D:567:PRO:O	1:D:568:GLY:C	2.45	0.57
1:D:580:LEU:HD12	1:D:580:LEU:O	2.04	0.57
1:D:613:HIS:ND1	1:D:717:LEU:CD2	2.67	0.57
1:D:959:GLN:O	1:D:982:ALA:HB1	2.04	0.57
1:D:1091:GLU:O	1:D:1096:ARG:NH2	2.35	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1171:ASN:O	1:D:1172:ASP:HB2	2.02	0.57
1:D:1195:MET:O	1:D:1196:ASP:CG	2.48	0.57
2:E:91:LEU:C	2:E:93:SER:H	2.12	0.57
2:E:184:ASN:O	2:E:184:ASN:OD1	2.21	0.57
2:F:132:HIS:HA	2:F:182:ARG:HG3	1.86	0.57
2:F:311:LEU:N	2:F:311:LEU:HD22	2.18	0.57
2:F:359:ASN:O	2:F:360:SER:HB2	2.04	0.57
2:F:472:LYS:HA	2:F:475:LEU:CD1	2.34	0.57
1:A:389:PHE:O	1:A:390:GLN:C	2.47	0.57
1:A:612:LEU:O	1:A:613:HIS:ND1	2.37	0.57
1:A:1008:LEU:C	1:A:1011:PRO:HD3	2.28	0.57
1:A:1030:ARG:NH2	1:A:1040:LYS:HG2	2.19	0.57
1:A:1054:GLU:O	1:A:1058:PHE:HD2	1.86	0.57
1:A:1183:VAL:C	1:A:1217:ALA:HB1	2.29	0.57
2:B:213:VAL:HG23	2:B:235:THR:HA	1.86	0.57
1:D:138:HIS:HA	1:D:141:LEU:HD13	1.84	0.57
1:D:145:LYS:CB	1:D:1118:TRP:HH2	2.17	0.57
1:D:349:ASP:O	1:D:350:ILE:C	2.47	0.57
1:D:649:TYR:C	1:D:652:ILE:HB	2.28	0.57
1:D:792:LEU:O	1:D:795:ASN:N	2.37	0.57
1:D:801:TRP:HH2	1:D:805:HIS:CE1	2.22	0.57
1:D:895:GLU:C	1:D:895:GLU:CD	2.73	0.57
2:E:122:ARG:HD2	2:E:122:ARG:N	2.20	0.57
2:E:214:CYS:HG	2:E:236:GLU:CD	2.13	0.57
2:E:247:THR:HG22	2:E:250:GLN:NE2	2.13	0.57
2:E:351:TYR:C	2:E:353:SER:N	2.59	0.57
2:F:347:LEU:O	2:F:350:LEU:CD1	2.52	0.57
1:A:207:THR:HG21	1:A:812:MET:HB3	1.85	0.57
1:A:211:LEU:HD12	1:A:222:SER:H	1.67	0.57
1:A:376:LEU:HD12	1:A:379:LYS:HB3	1.85	0.57
1:A:498:LYS:CE	1:A:499:LYS:H	2.12	0.57
1:A:576:LEU:HD23	2:C:481:SER:HG	1.69	0.57
1:A:619:GLY:HA3	1:A:750:PHE:HA	1.86	0.57
1:A:659:HIS:CE1	1:A:716:PRO:C	2.82	0.57
1:A:775:GLU:CA	1:A:780:GLN:HG3	2.20	0.57
1:A:928:GLY:O	1:A:931:LEU:N	2.35	0.57
2:B:67:GLU:HB3	2:B:70:LEU:CB	2.29	0.57
2:B:450:ASN:HB2	2:B:452:LEU:HD23	1.85	0.57
2:C:115:TRP:O	2:C:119:VAL:HG23	2.05	0.57
2:C:471:LEU:CA	2:C:474:PHE:HB3	2.30	0.57
1:D:382:MET:O	1:D:385:ILE:HG22	2.04	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:417:ARG:NH1	1:D:417:ARG:HG2	2.19	0.57
1:D:548:CYS:H	1:D:551:LYS:HZ3	1.47	0.57
1:D:605:LEU:C	1:D:781:ALA:HA	2.28	0.57
1:D:652:ILE:O	1:D:655:LEU:N	2.37	0.57
1:D:668:LEU:H	1:D:668:LEU:HD23	1.70	0.57
1:D:831:TYR:CB	1:D:837:TYR:OH	2.52	0.57
2:E:288:LYS:HB2	2:E:290:TYR:OH	2.05	0.57
2:F:114:TRP:CB	2:F:262:TRP:CZ2	2.87	0.57
2:F:326:ASP:OD2	2:F:327:GLY:N	2.35	0.57
2:F:342:LEU:HD23	2:F:345:GLY:N	2.09	0.57
1:A:130:LEU:HG	1:A:131:TYR:CE1	2.39	0.57
1:A:262:GLN:HA	1:A:262:GLN:OE1	2.02	0.57
1:A:373:PRO:HD2	1:A:374:ARG:NH1	2.19	0.57
1:A:408:GLN:O	1:A:411:LEU:HG	2.03	0.57
1:A:1125:ILE:HD12	1:A:1125:ILE:O	2.04	0.57
1:A:1141:VAL:HG11	1:A:1145:ASP:O	2.05	0.57
2:B:288:LYS:C	2:B:289:LEU:HD22	2.29	0.57
2:B:309:HIS:CB	2:B:312:LEU:HD22	2.18	0.57
2:B:379:ALA:O	2:B:380:PRO:C	2.46	0.57
2:B:398:VAL:O	2:B:402:LEU:HG	2.05	0.57
2:C:82:SER:O	2:C:83:LYS:CB	2.53	0.57
2:C:254:PHE:HA	2:C:257:ARG:HD2	1.86	0.57
2:C:372:LEU:CD2	2:C:436:SER:HB2	2.35	0.57
1:D:272:SER:HA	1:D:843:GLN:CB	2.35	0.57
1:D:369:LEU:O	1:D:371:LYS:N	2.37	0.57
1:D:630:ASN:HD22	1:D:630:ASN:C	2.13	0.57
1:D:851:THR:HG22	1:D:851:THR:O	2.03	0.57
1:D:1032:THR:HG23	1:D:1032:THR:O	2.04	0.57
2:E:234:LYS:HA	2:E:343:ASP:OD2	2.05	0.57
2:E:300:ILE:HG13	2:E:301:GLU:N	2.20	0.57
2:F:74:GLN:NE2	2:F:75:ARG:HH21	2.01	0.57
2:F:200:VAL:O	2:F:200:VAL:HG12	2.04	0.57
2:F:352:ASP:OD1	2:F:352:ASP:C	2.48	0.57
2:F:416:GLY:HA2	2:F:419:GLU:CB	2.34	0.57
2:F:425:LEU:HD13	2:F:442:LEU:HD11	1.86	0.57
2:F:441:VAL:HG23	2:F:441:VAL:O	2.05	0.57
1:A:120:LEU:HD22	1:A:120:LEU:N	2.18	0.57
1:A:203:LEU:CA	1:A:205:GLU:H	2.16	0.57
1:A:267:VAL:HG23	1:A:291:PHE:CE2	2.40	0.57
1:A:274:ASP:C	1:A:276:ALA:H	2.12	0.57
1:A:463:LEU:O	1:A:464:MET:C	2.47	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:582:ASP:CB	1:A:592:LEU:HD22	2.35	0.57
1:A:613:HIS:O	1:A:614:TYR:HB2	2.03	0.57
1:A:938:THR:C	1:A:939:VAL:HG23	2.28	0.57
1:A:1020:ILE:HG13	1:A:1021:SER:N	2.19	0.57
1:A:1205:GLY:HA3	1:A:1209:ARG:NE	2.20	0.57
1:A:1231:LEU:CD1	1:A:1236:GLN:HE22	2.15	0.57
2:B:206:TYR:CZ	2:B:242:PHE:HZ	2.22	0.57
2:B:325:ARG:N	2:B:325:ARG:NE	2.53	0.57
2:B:372:LEU:O	2:B:436:SER:HA	2.05	0.57
2:C:94:GLY:HA2	2:C:96:HIS:ND1	2.19	0.57
1:D:247:LEU:H	1:D:815:TRP:CD1	2.21	0.57
1:D:392:LEU:O	1:D:392:LEU:HD23	2.04	0.57
1:D:580:LEU:HD11	1:D:593:SER:CB	2.35	0.57
1:D:628:ARG:O	1:D:630:ASN:N	2.33	0.57
1:D:642:SER:C	1:D:645:VAL:HB	2.29	0.57
1:D:719:LEU:CG	1:D:720:THR:N	2.65	0.57
1:D:770:PHE:HE1	1:D:968:GLN:CB	2.18	0.57
1:D:961:PHE:CZ	1:D:1049:TRP:CE3	2.92	0.57
1:D:1090:GLU:HG3	1:D:1090:GLU:O	2.04	0.57
1:D:1135:ASP:O	1:D:1136:GLU:CD	2.48	0.57
2:E:108:LYS:HB2	2:E:108:LYS:HZ2	1.70	0.57
2:E:122:ARG:O	2:E:125:VAL:HG23	2.05	0.57
2:E:123:GLU:HG2	2:F:415:PRO:CG	2.33	0.57
2:E:123:GLU:C	2:E:125:VAL:H	2.11	0.57
2:E:200:VAL:HG13	2:F:418:LEU:HD23	1.86	0.57
2:E:215:PHE:CB	2:E:233:GLU:HA	2.35	0.57
2:E:243:THR:OG1	2:E:244:PRO:HD2	2.05	0.57
2:E:263:TRP:C	2:E:265:LYS:H	2.13	0.57
2:E:441:VAL:CG1	2:E:442:LEU:H	2.17	0.57
2:E:460:THR:O	2:E:461:THR:CG2	2.53	0.57
1:A:192:GLU:CB	1:A:217:PRO:CG	2.77	0.57
1:A:197:PHE:HA	1:A:213:VAL:O	2.04	0.57
1:A:225:SER:HG	1:A:386:ARG:HB2	1.67	0.57
1:A:299:MET:HG3	1:A:848:GLY:HA2	1.86	0.57
1:A:560:PRO:O	1:A:561:LYS:HD3	2.05	0.57
1:A:767:ALA:C	1:A:768:LYS:O	2.43	0.57
1:A:770:PHE:HB2	1:A:771:LEU:HD22	1.86	0.57
1:A:1017:GLY:O	1:A:1019:TRP:N	2.37	0.57
1:A:1191:LYS:O	1:A:1192:GLU:CB	2.51	0.57
2:C:145:PHE:O	2:C:146:ARG:HG3	2.05	0.57
2:C:204:LEU:HD21	2:C:206:TYR:CD1	2.39	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:342:LEU:N	2:C:342:LEU:HD22	2.20	0.57
1:D:274:ASP:OD2	1:D:293:ASP:CA	2.47	0.57
1:D:406:VAL:CG2	1:D:407:PHE:N	2.67	0.57
1:D:548:CYS:N	1:D:551:LYS:NZ	2.50	0.57
1:D:711:ALA:O	1:D:713:PRO:HD3	2.05	0.57
2:E:311:LEU:HD22	2:E:312:LEU:HD12	1.86	0.57
2:F:300:ILE:CG2	2:F:342:LEU:HD11	2.34	0.57
2:F:317:GLY:HA3	2:F:320:SER:CB	2.33	0.57
1:A:86:GLN:C	1:A:87:ILE:HG13	2.30	0.57
1:A:179:GLY:C	1:A:181:GLU:N	2.60	0.57
1:A:192:GLU:O	1:A:193:ARG:CG	2.52	0.57
1:A:235:TRP:O	1:A:235:TRP:HD1	1.88	0.57
1:A:407:PHE:O	1:A:411:LEU:N	2.38	0.57
1:A:515:ILE:CG1	1:A:568:GLY:O	2.53	0.57
1:A:616:GLU:O	1:A:617:ARG:CB	2.52	0.57
1:A:618:HIS:HB2	1:A:725:PRO:HD2	1.87	0.57
1:A:949:PHE:CD2	1:A:949:PHE:N	2.73	0.57
2:B:417:TYR:O	2:C:203:ARG:NH1	2.38	0.57
2:C:243:THR:O	2:C:334:CYS:CB	2.52	0.57
2:C:342:LEU:CD2	2:C:342:LEU:C	2.78	0.57
1:D:206:GLY:HA2	1:D:245:ILE:HG21	1.87	0.57
1:D:224:CYS:SG	1:D:228:LEU:CD2	2.93	0.57
1:D:539:PHE:O	1:D:540:GLN:CB	2.53	0.57
1:D:1016:GLU:HG3	1:D:1022:LEU:HD21	1.87	0.57
1:D:1072:THR:N	1:D:1073:PRO:CD	2.66	0.57
1:D:1134:HIS:O	1:D:1135:ASP:CB	2.48	0.57
2:E:387:VAL:HG12	2:E:416:GLY:N	2.20	0.57
2:E:426:GLU:HA	2:E:429:TYR:HB3	1.86	0.57
2:E:432:TYR:CD2	2:E:437:ILE:HG12	2.35	0.57
2:E:442:LEU:O	2:E:453:ILE:HB	2.04	0.57
2:E:448:LEU:CD2	2:E:449:GLU:N	2.67	0.57
1:A:276:ALA:HA	1:A:279:ARG:CG	2.35	0.57
1:A:276:ALA:C	1:A:279:ARG:N	2.62	0.57
1:A:608:ASP:OD1	1:A:779:LEU:O	2.22	0.57
1:A:866:ARG:CB	1:A:1069:ILE:HG21	2.35	0.57
1:A:956:GLY:O	1:A:1094:THR:HA	2.05	0.57
1:A:1208:ARG:H	1:A:1210:TYR:N	2.02	0.57
2:B:312:LEU:O	2:B:315:TYR:C	2.48	0.57
2:C:192:HIS:C	2:C:196:CYS:HG	2.12	0.57
2:C:417:TYR:N	2:C:417:TYR:CD2	2.40	0.57
1:D:136:ASP:OD2	1:D:1167:LYS:CE	2.53	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:211:LEU:HA	1:D:221:TYR:CD1	2.40	0.57
1:D:655:LEU:O	1:D:656:TYR:C	2.48	0.57
1:D:711:ALA:C	1:D:713:PRO:CD	2.77	0.57
1:D:730:PRO:HB3	1:D:761:ASN:HA	1.86	0.57
1:D:933:SER:C	1:D:935:THR:N	2.62	0.57
1:D:1231:LEU:O	1:D:1232:GLU:HG2	2.05	0.57
2:E:436:SER:O	2:E:437:ILE:HD12	2.04	0.57
2:E:481:SER:O	2:E:484:ASN:HB2	2.04	0.57
2:F:82:SER:O	2:F:83:LYS:CG	2.52	0.57
2:F:88:ARG:HG2	2:F:89:ASP:N	2.20	0.57
2:F:406:LEU:CA	2:F:409:ASN:ND2	2.56	0.57
2:F:484:ASN:C	2:F:485:VAL:HG13	2.30	0.57
1:A:202:CYS:C	1:A:204:ALA:H	2.09	0.56
1:A:226:GLN:CD	1:A:226:GLN:C	2.73	0.56
1:A:249:VAL:HG21	1:A:817:PRO:HG3	1.87	0.56
1:A:472:GLN:OE1	1:A:472:GLN:N	2.38	0.56
1:A:504:LYS:HD3	1:A:523:ASP:CB	2.34	0.56
1:A:516:GLU:O	1:A:517:GLY:O	2.21	0.56
1:A:795:ASN:HD22	1:A:795:ASN:C	2.13	0.56
1:A:869:ARG:N	1:A:1201:SER:H	2.03	0.56
1:A:1113:LEU:CB	1:A:1117:LYS:HE3	2.34	0.56
1:A:1154:GLN:O	1:A:1158:LEU:HG	2.05	0.56
2:B:262:TRP:O	2:B:265:LYS:N	2.38	0.56
2:C:115:TRP:CZ3	2:C:210:GLN:HA	2.40	0.56
2:C:125:VAL:CG2	2:C:126:PHE:N	2.61	0.56
2:C:144:ALA:O	2:C:145:PHE:CB	2.53	0.56
2:C:344:ARG:HG2	2:C:347:LEU:HD22	1.86	0.56
2:C:446:THR:OG1	2:C:455:LEU:CD2	2.51	0.56
1:D:211:LEU:HG	1:D:221:TYR:HE1	1.70	0.56
1:D:275:ARG:O	1:D:279:ARG:N	2.36	0.56
1:D:293:ASP:OD1	1:D:845:VAL:HG13	2.04	0.56
1:D:363:TYR:O	1:D:364:VAL:HB	2.05	0.56
1:D:550:GLN:HB2	1:D:551:LYS:HE3	1.86	0.56
1:D:914:THR:HA	1:D:918:TRP:HB2	1.85	0.56
1:D:1002:GLU:O	1:D:1005:VAL:N	2.37	0.56
1:D:1219:ASP:OD2	1:D:1222:GLN:NE2	2.37	0.56
2:E:431:LYS:HG3	2:E:432:TYR:N	2.20	0.56
2:F:416:GLY:C	2:F:419:GLU:HB3	2.29	0.56
1:A:80:SER:OG	1:A:125:LEU:CG	2.53	0.56
1:A:80:SER:HG	1:A:125:LEU:HD11	1.70	0.56
1:A:258:GLN:OE1	1:A:258:GLN:N	2.38	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:435:LEU:O	1:A:839:ALA:HB1	2.06	0.56
1:A:474:LEU:N	1:A:474:LEU:HD13	2.20	0.56
2:B:313:HIS:CD2	2:B:313:HIS:C	2.82	0.56
2:C:202:LYS:O	2:C:325:ARG:HG2	2.05	0.56
2:C:365:LYS:HB3	2:C:367:LEU:HD21	1.88	0.56
1:D:132:GLY:N	1:D:138:HIS:CE1	2.73	0.56
1:D:282:TYR:HD2	1:D:432:VAL:HG13	1.67	0.56
1:D:407:PHE:HD1	1:D:411:LEU:CD2	2.19	0.56
1:D:513:LEU:O	1:D:568:GLY:HA2	2.05	0.56
1:D:652:ILE:HG22	1:D:656:TYR:CE2	2.40	0.56
1:D:891:VAL:HG21	1:D:1135:ASP:HA	1.87	0.56
1:D:939:VAL:O	1:D:940:GLY:C	2.47	0.56
1:D:948:ILE:HD13	1:D:1071:ARG:HD2	1.87	0.56
1:D:1198:LYS:N	1:D:1204:THR:OG1	2.38	0.56
2:E:241:TRP:CZ3	2:E:255:TRP:HZ2	2.23	0.56
2:E:395:LEU:O	2:E:399:CYS:SG	2.64	0.56
2:E:432:TYR:HB3	2:E:437:ILE:HD11	1.82	0.56
2:E:445:GLU:OE2	2:E:445:GLU:N	2.38	0.56
2:F:127:PRO:CG	2:F:128:VAL:N	2.67	0.56
2:F:265:LYS:HE2	2:F:485:VAL:HG22	1.86	0.56
2:F:395:LEU:HB3	2:F:443:VAL:HG23	1.86	0.56
1:A:176:THR:OG1	1:A:177:ARG:N	2.35	0.56
1:A:196:VAL:CG1	1:A:401:TRP:HZ3	2.18	0.56
1:A:232:ARG:HD2	1:A:239:LEU:CD2	2.34	0.56
1:A:235:TRP:CD1	1:A:236:THR:HG1	2.23	0.56
1:A:293:ASP:HB2	1:A:296:SER:HB3	1.85	0.56
1:A:371:LYS:HG3	1:A:372:GLU:N	2.19	0.56
1:A:411:LEU:HD12	1:A:412:PRO:CD	2.35	0.56
1:A:482:ASP:CB	1:A:483:PRO:CD	2.83	0.56
1:A:608:ASP:O	1:A:620:TRP:CZ2	2.58	0.56
1:A:730:PRO:HB3	1:A:761:ASN:HA	1.88	0.56
1:A:867:PRO:CG	1:A:1067:SER:OG	2.53	0.56
1:A:877:MET:HA	1:A:877:MET:CE	2.36	0.56
1:A:905:ALA:HA	1:A:910:MET:HB3	1.86	0.56
1:A:938:THR:O	1:A:939:VAL:HG23	2.05	0.56
1:A:981:LYS:O	1:A:985:MET:HG3	2.05	0.56
1:A:1040:LYS:HB3	1:A:1044:VAL:HG12	1.86	0.56
1:A:1060:LYS:CD	1:A:1073:PRO:CB	2.76	0.56
1:A:1172:ASP:O	1:A:1173:LEU:HG	2.05	0.56
1:A:1212:ILE:HD12	1:A:1212:ILE:N	2.19	0.56
2:B:78:PHE:O	2:B:78:PHE:CD1	2.58	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:88:ARG:HA	2:B:91:LEU:HD12	1.86	0.56
2:C:204:LEU:HG	2:C:206:TYR:CB	2.36	0.56
2:C:252:LEU:HD23	2:C:252:LEU:C	2.30	0.56
2:C:322:LEU:HD22	2:C:323:HIS:C	2.30	0.56
2:C:323:HIS:C	2:C:331:VAL:O	2.48	0.56
2:C:386:ASP:CB	2:C:442:LEU:HD23	2.25	0.56
2:C:393:LEU:HA	2:C:396:ARG:CG	2.34	0.56
2:C:414:TRP:O	2:C:414:TRP:CG	2.57	0.56
2:C:444:THR:O	2:C:446:THR:N	2.38	0.56
1:D:112:LEU:HD21	1:D:917:GLY:O	2.06	0.56
1:D:279:ARG:HG3	1:D:841:LEU:C	2.30	0.56
1:D:297:MET:HG3	1:D:415:LEU:HD11	1.87	0.56
1:D:418:CYS:N	1:D:419:PRO:CD	2.68	0.56
1:D:496:LYS:CE	1:D:571:GLY:HA2	2.36	0.56
1:D:556:THR:HG23	2:F:451:GLY:O	2.04	0.56
1:D:559:LEU:HD12	1:D:560:PRO:CD	2.33	0.56
1:D:656:TYR:CD1	1:D:743:ASP:CB	2.89	0.56
1:D:757:GLY:O	1:D:758:ASN:HB2	2.05	0.56
1:D:813:VAL:HB	1:D:840:ILE:CG1	2.31	0.56
1:D:850:ILE:HG12	1:D:851:THR:N	2.20	0.56
1:D:873:GLU:OE1	1:D:1203:PRO:HG3	2.05	0.56
1:D:874:LEU:O	1:D:875:LYS:C	2.46	0.56
1:D:1027:LYS:CG	1:D:1091:GLU:HA	2.35	0.56
1:D:1202:ASN:O	1:D:1203:PRO:O	2.24	0.56
1:D:1207:GLU:C	1:D:1210:TYR:HD2	2.13	0.56
2:E:214:CYS:N	2:E:234:LYS:O	2.32	0.56
2:E:431:LYS:CD	2:E:432:TYR:H	2.17	0.56
2:F:221:THR:HG22	2:F:222:LYS:N	2.20	0.56
2:F:298:GLU:HG3	2:F:344:ARG:HH21	1.70	0.56
2:F:311:LEU:HD22	2:F:311:LEU:H	1.71	0.56
2:F:350:LEU:HD12	2:F:351:TYR:H	1.71	0.56
2:F:354:PHE:CE1	2:F:370:LYS:HB3	2.38	0.56
2:F:404:ASN:O	2:F:405:GLU:C	2.49	0.56
2:F:466:MET:CB	2:F:471:LEU:CD2	2.70	0.56
1:A:196:VAL:HG13	1:A:269:HIS:NE2	2.21	0.56
1:A:197:PHE:H	1:A:269:HIS:CD2	2.20	0.56
1:A:448:ALA:C	1:A:870:VAL:HG11	2.31	0.56
1:A:886:LEU:H	1:A:1146:ARG:HH21	1.50	0.56
1:A:1047:ARG:HA	1:A:1047:ARG:CZ	2.34	0.56
2:B:311:LEU:HD12	2:B:312:LEU:H	1.68	0.56
2:B:417:TYR:O	2:B:418:LEU:HB3	2.06	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:308:ASP:OD2	2:C:334:CYS:SG	2.62	0.56
2:C:350:LEU:O	2:C:353:SER:OG	2.22	0.56
2:C:431:LYS:O	2:C:434:GLU:HB2	2.05	0.56
1:D:76:ILE:HB	1:D:911:HIS:NE2	2.19	0.56
1:D:253:ALA:HB2	1:D:280:GLU:HB2	1.88	0.56
1:D:278:ILE:HD13	1:D:291:PHE:CD1	2.37	0.56
1:D:278:ILE:HG21	1:D:431:GLY:O	2.04	0.56
1:D:410:GLN:C	1:D:412:PRO:HD2	2.30	0.56
1:D:559:LEU:CG	1:D:560:PRO:CD	2.82	0.56
1:D:867:PRO:O	1:D:868:ASP:CG	2.49	0.56
1:D:901:VAL:HA	1:D:904:ASP:OD2	2.06	0.56
1:D:1133:ILE:HD13	1:D:1133:ILE:N	2.19	0.56
1:D:1200:PRO:HD2	1:D:1203:PRO:HG2	1.88	0.56
1:D:1202:ASN:O	1:D:1205:GLY:CA	2.53	0.56
2:F:82:SER:O	2:F:83:LYS:CB	2.52	0.56
1:A:196:VAL:HG11	1:A:404:HIS:CG	2.41	0.56
1:A:354:ASN:O	1:A:355:SER:CB	2.54	0.56
1:A:386:ARG:CB	1:A:390:GLN:HE22	2.19	0.56
1:A:437:VAL:HG12	1:A:438:ASN:N	2.20	0.56
1:A:585:TRP:HE3	1:A:585:TRP:N	2.02	0.56
1:A:821:LEU:O	1:A:821:LEU:HG	2.05	0.56
1:A:1005:VAL:C	1:A:1006:ARG:HH11	2.13	0.56
1:A:1027:LYS:HD3	1:A:1092:PHE:HE2	1.71	0.56
1:A:1143:GLU:O	1:A:1146:ARG:HB2	2.05	0.56
1:A:1212:ILE:N	1:A:1212:ILE:CD1	2.68	0.56
2:B:348:ALA:C	2:B:350:LEU:N	2.61	0.56
2:C:241:TRP:HB2	2:C:336:LEU:HB2	1.85	0.56
2:C:371:VAL:HG23	2:C:433:ASP:CA	2.35	0.56
2:C:426:GLU:OE2	2:C:429:TYR:HD1	1.87	0.56
2:C:471:LEU:C	2:C:474:PHE:H	2.13	0.56
1:D:74:LEU:HD13	1:D:77:GLN:HA	1.86	0.56
1:D:97:GLU:O	1:D:101:ARG:CG	2.53	0.56
1:D:171:TRP:O	1:D:172:ALA:CB	2.44	0.56
1:D:193:ARG:HA	1:D:193:ARG:HH11	1.68	0.56
1:D:245:ILE:CG1	1:D:246:PRO:CD	2.77	0.56
1:D:251:THR:O	1:D:255:SER:N	2.39	0.56
1:D:463:LEU:CA	1:D:466:LEU:HD22	2.35	0.56
1:D:486:TRP:HZ2	1:D:722:ARG:N	2.03	0.56
1:D:490:TRP:O	1:D:580:LEU:HA	2.06	0.56
1:D:641:GLU:O	1:D:645:VAL:CG2	2.54	0.56
1:D:648:PRO:CD	1:D:649:TYR:N	2.68	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:770:PHE:HE1	1:D:968:GLN:HB3	1.67	0.56
1:D:788:GLY:O	1:D:792:LEU:HD13	2.04	0.56
1:D:892:ASP:HA	1:D:1135:ASP:OD2	2.05	0.56
1:D:1020:ILE:HD13	1:D:1020:ILE:C	2.27	0.56
1:D:1092:PHE:O	1:D:1096:ARG:CZ	2.54	0.56
1:D:1154:GLN:O	1:D:1158:LEU:HD23	2.05	0.56
2:F:115:TRP:NE1	2:F:119:VAL:HG21	2.21	0.56
2:F:265:LYS:HG3	2:F:485:VAL:HG21	1.88	0.56
2:F:387:VAL:CG1	2:F:443:VAL:CG2	2.83	0.56
1:A:278:ILE:HD13	1:A:291:PHE:HD1	1.71	0.56
1:A:520:ALA:HB3	1:A:521:PRO:HD3	1.87	0.56
1:A:597:ARG:O	1:A:598:VAL:CB	2.54	0.56
1:A:598:VAL:HA	1:A:601:LYS:HD2	1.87	0.56
1:A:732:TYR:CE1	1:A:755:LYS:CA	2.88	0.56
1:A:870:VAL:O	1:A:872:SER:N	2.38	0.56
1:A:930:ASP:OD2	1:A:930:ASP:C	2.48	0.56
2:B:67:GLU:HG2	2:B:69:LEU:HG	1.88	0.56
2:B:72:ILE:CG1	2:B:73:CYS:N	2.67	0.56
2:B:269:SER:O	2:B:272:ASN:ND2	2.38	0.56
2:B:385:LEU:HD23	2:B:385:LEU:N	2.20	0.56
2:B:430:SER:O	2:B:433:ASP:HB2	2.05	0.56
2:C:185:LEU:HD21	2:C:214:CYS:SG	2.45	0.56
2:C:286:GLY:HA3	2:C:304:TRP:HA	1.88	0.56
2:C:303:LEU:CA	2:C:337:SER:CB	2.81	0.56
2:C:432:TYR:CD1	2:C:440:THR:HG21	2.41	0.56
2:C:454:HIS:CD2	2:C:472:LYS:HE3	2.40	0.56
1:D:194:ALA:HB1	1:D:265:LEU:HD12	1.85	0.56
1:D:217:PRO:C	1:D:218:SER:HG	2.05	0.56
1:D:289:MET:SD	1:D:291:PHE:CE2	2.99	0.56
1:D:412:PRO:HG2	1:D:413:LEU:N	2.21	0.56
1:D:580:LEU:CD1	1:D:593:SER:OG	2.47	0.56
1:D:1025:LEU:HD13	1:D:1027:LYS:CE	2.30	0.56
1:D:1129:PHE:CB	1:D:1139:TYR:HA	2.35	0.56
2:E:116:THR:C	2:E:118:VAL:H	2.12	0.56
2:E:128:VAL:O	2:E:210:GLN:NE2	2.39	0.56
2:E:283:GLY:HA3	2:E:306:LEU:CD2	2.35	0.56
2:F:201:ASN:C	2:F:203:ARG:N	2.58	0.56
2:F:204:LEU:HD12	2:F:204:LEU:N	2.21	0.56
2:F:403:PHE:CE2	2:F:407:LEU:HB2	2.41	0.56
1:A:107:LEU:CB	1:A:113:TRP:CD1	2.84	0.56
1:A:192:GLU:C	1:A:193:ARG:HG2	2.30	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:278:ILE:CD1	1:A:291:PHE:CD1	2.88	0.56
1:A:392:LEU:HD23	1:A:392:LEU:O	2.05	0.56
1:A:440:ASN:CB	1:A:877:MET:SD	2.92	0.56
1:A:576:LEU:CD2	2:C:481:SER:OG	2.51	0.56
1:A:656:TYR:CB	1:A:720:THR:OG1	2.51	0.56
1:A:754:HIS:ND1	1:A:760:CYS:O	2.39	0.56
1:A:798:ILE:CD1	1:A:802:ARG:HE	2.19	0.56
1:A:1019:TRP:CZ3	1:A:1164:PHE:HA	2.39	0.56
2:C:285:LYS:HB2	2:C:285:LYS:HZ2	1.71	0.56
1:D:196:VAL:HG12	1:D:268:GLY:CA	2.36	0.56
1:D:369:LEU:HB3	1:D:372:GLU:HB2	1.86	0.56
1:D:369:LEU:HB3	1:D:372:GLU:CB	2.35	0.56
1:D:550:GLN:N	1:D:551:LYS:NZ	2.53	0.56
1:D:576:LEU:HD11	1:D:577:CYS:SG	2.46	0.56
1:D:660:CYS:SG	1:D:745:PRO:HG3	2.45	0.56
1:D:666:GLN:CA	1:D:669:MET:O	2.54	0.56
1:D:795:ASN:CA	1:D:798:ILE:HG12	2.35	0.56
1:D:797:MET:O	1:D:869:ARG:HD3	2.05	0.56
1:D:797:MET:CA	1:D:869:ARG:HD3	2.35	0.56
1:D:916:PHE:CE2	1:D:1174:PRO:HG2	2.40	0.56
1:D:1069:ILE:O	1:D:1071:ARG:NH1	2.39	0.56
1:D:1108:TYR:HE1	1:D:1160:THR:HG22	1.71	0.56
1:D:1208:ARG:HG3	1:D:1209:ARG:N	2.12	0.56
2:E:133:HIS:NE2	2:F:231:ILE:HG22	2.20	0.56
2:E:263:TRP:O	2:E:265:LYS:N	2.38	0.56
2:F:76:ARG:CZ	2:F:434:GLU:OE1	2.54	0.56
2:F:78:PHE:HB2	2:F:102:LEU:HD22	1.87	0.56
2:F:236:GLU:CB	2:F:341:ASP:HB3	2.36	0.56
2:F:239:LEU:C	2:F:338:VAL:HG22	2.27	0.56
2:F:375:HIS:ND1	2:F:376:PRO:HD2	2.20	0.56
2:F:390:GLY:HA2	2:F:392:THR:N	2.20	0.56
2:F:483:LYS:O	2:F:485:VAL:CG1	2.54	0.56
1:A:253:ALA:O	1:A:254:SER:CB	2.54	0.56
1:A:277:HIS:O	1:A:281:GLN:HG3	2.06	0.56
1:A:279:ARG:NH1	1:A:841:LEU:O	2.39	0.56
1:A:301:ILE:CD1	1:A:414:PHE:HB3	2.36	0.56
1:A:734:HIS:N	1:A:752:LEU:HD11	2.21	0.56
1:A:823:ARG:O	1:A:823:ARG:CG	2.53	0.56
1:A:897:TRP:NE1	1:A:901:VAL:CG1	2.64	0.56
1:A:1091:GLU:O	1:A:1092:PHE:HB2	2.06	0.56
1:A:1108:TYR:HA	1:A:1164:PHE:CZ	2.41	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:132:HIS:CG	2:B:182:ARG:NH2	2.73	0.56
2:C:432:TYR:CB	2:C:437:ILE:HD11	2.35	0.56
1:D:213:VAL:CG2	1:D:397:ALA:HB1	2.26	0.56
1:D:223:TRP:CZ3	1:D:250:PRO:CB	2.88	0.56
1:D:270:ASN:OD1	1:D:404:HIS:CE1	2.59	0.56
1:D:410:GLN:OE1	1:D:410:GLN:HA	2.06	0.56
1:D:457:ARG:HH22	2:F:485:VAL:CG2	2.15	0.56
1:D:458:GLU:CA	1:D:461:LYS:HD3	2.19	0.56
1:D:951:TYR:O	1:D:954:ILE:HB	2.05	0.56
1:D:1116:MET:O	1:D:1120:PHE:HD1	1.88	0.56
2:E:86:LEU:HB2	2:E:91:LEU:HD22	1.88	0.56
2:E:193:TYR:HE2	2:E:322:LEU:HB3	1.70	0.56
2:E:478:TYR:O	2:E:482:ALA:HB2	2.05	0.56
2:F:415:PRO:CB	2:F:417:TYR:HE2	2.18	0.56
2:F:454:HIS:CA	2:F:468:ILE:HD12	2.20	0.56
2:F:473:ASP:O	2:F:477:LYS:HG3	2.06	0.56
1:A:169:TRP:CD1	1:A:170:ALA:H	2.24	0.56
1:A:297:MET:HE2	1:A:415:LEU:CD2	2.28	0.56
1:A:481:GLU:C	1:A:482:ASP:CG	2.73	0.56
1:A:817:PRO:HG2	1:A:818:ARG:H	1.71	0.56
1:A:870:VAL:C	1:A:872:SER:N	2.62	0.56
1:A:1069:ILE:N	1:A:1070:PRO:HD3	2.20	0.56
1:A:1232:GLU:HG3	1:A:1234:ARG:HG2	1.88	0.56
2:B:79:LEU:HA	2:B:100:GLY:H	1.71	0.56
2:B:213:VAL:HA	2:B:235:THR:HA	1.88	0.56
2:B:255:TRP:O	2:B:256:LEU:C	2.49	0.56
2:B:263:TRP:O	2:B:264:ARG:C	2.46	0.56
2:B:410:GLY:C	2:B:411:ILE:HD12	2.31	0.56
2:C:193:TYR:C	2:C:193:TYR:CD1	2.83	0.56
2:C:194:VAL:O	2:C:197:LEU:CD2	2.54	0.56
2:C:241:TRP:HB2	2:C:336:LEU:CB	2.36	0.56
2:C:254:PHE:HA	2:C:257:ARG:CD	2.36	0.56
2:C:268:MET:HB2	2:C:352:ASP:OD1	2.06	0.56
2:C:270:PRO:HA	2:C:273:PHE:CE2	2.41	0.56
2:C:325:ARG:HH11	2:C:325:ARG:CG	2.07	0.56
2:C:356:LEU:HD13	2:C:359:ASN:HD21	1.70	0.56
2:C:399:CYS:O	2:C:400:GLN:C	2.47	0.56
2:C:404:ASN:O	2:C:405:GLU:C	2.49	0.56
1:D:196:VAL:CG2	1:D:215:ILE:CD1	2.83	0.56
1:D:235:TRP:CD1	1:D:235:TRP:C	2.84	0.56
1:D:270:ASN:CA	1:D:294:THR:HG23	2.29	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:437:VAL:HA	1:D:441:TRP:CD1	2.38	0.56
1:D:539:PHE:O	1:D:540:GLN:CG	2.54	0.56
1:D:546:ARG:O	1:D:550:GLN:NE2	2.39	0.56
1:D:652:ILE:CG1	1:D:655:LEU:HG	2.36	0.56
1:D:721:ALA:O	1:D:722:ARG:CB	2.53	0.56
1:D:761:ASN:O	1:D:762:VAL:C	2.48	0.56
2:F:270:PRO:HA	2:F:273:PHE:CE2	2.41	0.56
1:A:215:ILE:HB	1:A:401:TRP:CE3	2.41	0.56
1:A:249:VAL:CG2	1:A:815:TRP:O	2.52	0.56
1:A:434:TYR:CE2	1:A:1128:ARG:HD2	2.40	0.56
1:A:441:TRP:CZ3	1:A:445:LEU:CD1	2.89	0.56
1:A:612:LEU:HD22	1:A:620:TRP:HA	1.88	0.56
1:A:885:THR:OG1	1:A:1146:ARG:NE	2.39	0.56
1:A:1095:SER:O	1:A:1099:TRP:HE3	1.89	0.56
1:A:1109:LEU:O	1:A:1113:LEU:HG	2.05	0.56
2:C:347:LEU:O	2:C:350:LEU:CD1	2.54	0.56
2:C:400:GLN:C	2:C:400:GLN:CD	2.74	0.56
1:D:189:ILE:HG12	1:D:190:PRO:HD2	1.88	0.56
1:D:443:ARG:HG2	1:D:443:ARG:NH1	2.19	0.56
1:D:753:PRO:HG3	1:D:770:PHE:CG	2.41	0.56
1:D:1154:GLN:HG2	1:D:1179:PHE:CE2	2.40	0.56
2:E:247:THR:O	2:E:250:GLN:HB3	2.06	0.56
2:E:447:THR:HG23	2:E:452:LEU:C	2.31	0.56
2:F:134:LYS:CB	2:F:180:LYS:CE	2.83	0.56
2:F:423:SER:CB	2:F:428:LEU:HD21	2.36	0.56
1:A:365:TYR:C	1:A:367:GLY:H	2.13	0.55
1:A:392:LEU:HG	1:A:395:TYR:CB	2.35	0.55
1:A:460:LYS:C	1:A:464:MET:HG3	2.31	0.55
1:A:472:GLN:HG3	2:C:460:THR:C	2.29	0.55
1:A:475:SER:O	1:A:711:ALA:HA	2.06	0.55
1:A:1013:ASP:OD1	1:A:1014:ARG:N	2.36	0.55
1:A:1038:TRP:CE3	1:A:1041:TRP:HA	2.40	0.55
2:B:259:ARG:C	2:B:262:TRP:H	2.14	0.55
2:C:285:LYS:HB2	2:C:285:LYS:NZ	2.21	0.55
2:C:403:PHE:CE2	2:C:407:LEU:HB2	2.41	0.55
1:D:88:PHE:HB2	1:D:91:GLY:HA3	1.88	0.55
1:D:196:VAL:HG12	1:D:268:GLY:N	2.21	0.55
1:D:247:LEU:N	1:D:815:TRP:CD1	2.74	0.55
1:D:253:ALA:N	1:D:280:GLU:OE1	2.39	0.55
1:D:278:ILE:HA	1:D:282:TYR:CE1	2.41	0.55
1:D:278:ILE:HA	1:D:291:PHE:CE1	2.41	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:282:TYR:HE2	1:D:432:VAL:CG2	2.14	0.55
1:D:400:VAL:O	1:D:403:THR:HG23	2.07	0.55
1:D:449:GLN:CA	1:D:452:TYR:CE2	2.87	0.55
1:D:466:LEU:HD13	1:D:466:LEU:H	1.70	0.55
1:D:479:TYR:CE1	1:D:480:LYS:HE2	2.41	0.55
1:D:620:TRP:C	1:D:748:TRP:HB2	2.29	0.55
1:D:1122:GLU:C	1:D:1123:PHE:CD1	2.84	0.55
2:E:69:LEU:H	2:E:69:LEU:CD1	2.18	0.55
2:E:259:ARG:NH2	2:E:263:TRP:HE1	2.04	0.55
2:F:303:LEU:CG	2:F:337:SER:OG	2.54	0.55
2:F:389:ARG:CG	2:F:390:GLY:N	2.69	0.55
1:A:257:THR:OG1	1:A:258:GLN:N	2.35	0.55
1:A:370:PRO:O	1:A:371:LYS:CG	2.52	0.55
1:A:421:PRO:HG2	1:A:422:VAL:H	1.71	0.55
1:A:667:GLN:HG3	1:A:668:LEU:N	2.20	0.55
1:A:1189:LEU:CD2	1:A:1189:LEU:N	2.69	0.55
2:B:233:GLU:OE2	2:C:133:HIS:ND1	2.35	0.55
2:B:263:TRP:O	2:B:265:LYS:HG2	2.05	0.55
2:B:341:ASP:OD1	2:B:344:ARG:HD3	2.07	0.55
2:C:221:THR:CG2	2:C:222:LYS:N	2.69	0.55
2:C:339:ASN:O	2:C:340:GLY:O	2.25	0.55
2:C:450:ASN:O	2:C:451:GLY:C	2.48	0.55
1:D:173:GLU:OE2	1:D:223:TRP:CD1	2.59	0.55
1:D:177:ARG:HH21	1:D:216:SER:HA	1.70	0.55
1:D:432:VAL:O	1:D:433:SER:C	2.49	0.55
1:D:659:HIS:CE1	1:D:719:LEU:HD22	2.39	0.55
1:D:744:ILE:HD13	1:D:744:ILE:N	2.21	0.55
1:D:753:PRO:HD3	1:D:770:PHE:CD2	2.41	0.55
1:D:885:THR:O	1:D:886:LEU:HD23	2.06	0.55
1:D:1031:GLU:OE2	1:D:1092:PHE:CD2	2.59	0.55
1:D:1108:TYR:CE1	1:D:1160:THR:HG22	2.40	0.55
2:E:199:LEU:HD12	2:E:200:VAL:H	1.71	0.55
2:E:315:TYR:HD1	2:E:316:PRO:HD2	1.71	0.55
2:E:456:ARG:HG3	2:E:462:MET:N	2.21	0.55
2:F:197:LEU:HD23	2:F:197:LEU:C	2.30	0.55
2:F:358:GLU:O	2:F:360:SER:N	2.39	0.55
1:A:77:GLN:OE1	1:A:1174:PRO:HB3	2.06	0.55
1:A:192:GLU:CD	1:A:193:ARG:H	2.13	0.55
1:A:221:TYR:OH	1:A:397:ALA:CB	2.54	0.55
1:A:309:ARG:C	1:A:313:ILE:HG23	2.31	0.55
1:A:665:LYS:O	1:A:669:MET:HG2	2.06	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:932:HIS:CB	1:A:947:LYS:HG2	2.34	0.55
1:A:938:THR:O	1:A:939:VAL:CB	2.54	0.55
1:A:955:TYR:HB3	1:A:1098:ASN:ND2	2.20	0.55
1:A:1016:GLU:CB	1:A:1020:ILE:HA	2.36	0.55
1:A:1060:LYS:CE	1:A:1073:PRO:HB2	2.36	0.55
1:A:1068:ASP:C	1:A:1070:PRO:CD	2.78	0.55
1:A:1171:ASN:N	1:A:1171:ASN:OD1	2.38	0.55
2:B:453:ILE:CG2	2:B:468:ILE:HD12	2.33	0.55
2:C:116:THR:O	2:C:120:VAL:HG13	2.06	0.55
2:C:301:GLU:OE1	2:C:339:ASN:ND2	2.38	0.55
2:C:308:ASP:OD2	2:C:308:ASP:N	2.39	0.55
2:C:351:TYR:CD1	2:C:355:GLN:HG2	2.42	0.55
1:D:233:TYR:O	1:D:234:SER:CB	2.51	0.55
1:D:421:PRO:HG2	1:D:422:VAL:H	1.71	0.55
1:D:575:LYS:CD	1:D:581:ASP:O	2.55	0.55
1:D:727:ASP:O	1:D:728:THR:CB	2.54	0.55
1:D:735:GLY:HA2	1:D:749:PHE:HA	1.89	0.55
1:D:857:PRO:CA	1:D:1062:GLU:OE2	2.55	0.55
1:D:1163:MET:HE1	1:D:1167:LYS:HE3	1.88	0.55
2:E:204:LEU:HD22	2:E:242:PHE:O	2.05	0.55
2:E:389:ARG:HE	2:E:389:ARG:C	2.10	0.55
2:E:415:PRO:HB2	2:E:417:TYR:CE2	2.42	0.55
2:F:84:GLN:C	2:F:86:LEU:H	2.15	0.55
2:F:115:TRP:NE1	2:F:119:VAL:CG2	2.70	0.55
2:F:144:ALA:O	2:F:145:PHE:HB2	2.06	0.55
2:F:357:THR:C	2:F:359:ASN:H	2.13	0.55
2:F:406:LEU:N	2:F:406:LEU:CD1	2.69	0.55
1:A:196:VAL:HG11	1:A:404:HIS:HB3	1.89	0.55
1:A:203:LEU:CD1	1:A:379:LYS:O	2.54	0.55
1:A:444:TYR:HE2	1:A:874:LEU:HA	1.71	0.55
1:A:586:THR:N	1:A:587:PRO:CD	2.70	0.55
1:A:739:TYR:HA	1:A:741:ASP:O	2.06	0.55
1:A:936:ALA:HB2	1:A:946:ALA:CB	2.35	0.55
2:B:123:GLU:CB	2:C:403:PHE:HZ	2.20	0.55
2:C:291:TYR:OH	2:C:352:ASP:N	2.38	0.55
2:C:402:LEU:HB3	2:C:406:LEU:CD2	2.34	0.55
1:D:213:VAL:HG13	1:D:401:TRP:HZ2	1.68	0.55
1:D:455:LEU:HD13	1:D:869:ARG:NH1	2.22	0.55
1:D:500:ALA:HB1	1:D:520:ALA:C	2.31	0.55
1:D:886:LEU:HD22	1:D:1140:LEU:HG	1.88	0.55
1:D:1069:ILE:HG23	1:D:1070:PRO:CG	2.37	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1113:LEU:HB3	1:D:1117:LYS:HE3	1.88	0.55
1:D:1198:LYS:C	1:D:1204:THR:OG1	2.49	0.55
1:D:1207:GLU:HA	1:D:1210:TYR:HD2	1.55	0.55
2:E:378:LEU:CD1	2:E:378:LEU:N	2.69	0.55
2:F:88:ARG:HB2	2:F:88:ARG:HH11	1.70	0.55
2:F:344:ARG:HA	2:F:347:LEU:CG	2.36	0.55
2:F:346:MET:O	2:F:350:LEU:CD1	2.55	0.55
1:A:79:LEU:HB2	1:A:89:GLY:C	2.32	0.55
1:A:127:LEU:CD2	1:A:129:PRO:HD3	2.34	0.55
1:A:371:LYS:C	1:A:373:PRO:CD	2.79	0.55
1:A:386:ARG:HG2	1:A:387:GLU:N	2.21	0.55
1:A:411:LEU:O	1:A:415:LEU:HD13	2.05	0.55
1:A:416:GLU:O	1:A:419:PRO:HD3	2.06	0.55
1:A:430:MET:HA	1:A:1130:CYS:HB2	1.89	0.55
1:A:442:GLU:OE1	1:A:815:TRP:CZ2	2.60	0.55
1:A:469:ASP:O	1:A:473:LEU:HD23	2.07	0.55
1:A:1026:ARG:HG2	1:A:1029:GLN:NE2	2.21	0.55
1:A:1069:ILE:N	1:A:1070:PRO:CD	2.69	0.55
1:A:1165:ALA:HB2	1:A:1173:LEU:CD1	2.37	0.55
2:B:102:LEU:H	2:B:102:LEU:CD1	2.17	0.55
2:B:439:PHE:O	2:B:440:THR:OG1	2.21	0.55
2:B:452:LEU:N	2:B:452:LEU:HD22	2.21	0.55
2:C:290:TYR:CE1	2:C:299:LEU:HD22	2.42	0.55
2:C:351:TYR:O	2:C:353:SER:N	2.38	0.55
1:D:269:HIS:CE1	1:D:291:PHE:C	2.84	0.55
1:D:279:ARG:HH11	1:D:841:LEU:CB	2.19	0.55
1:D:733:HIS:CE1	1:D:750:PHE:CD1	2.95	0.55
1:D:795:ASN:O	1:D:798:ILE:CG1	2.53	0.55
1:D:802:ARG:HG2	1:D:803:ASN:OD1	2.07	0.55
1:D:951:TYR:O	1:D:955:TYR:CD1	2.60	0.55
1:D:967:MET:SD	1:D:978:ALA:HB2	2.47	0.55
1:D:1188:CYS:O	1:D:1189:LEU:HD13	2.06	0.55
2:E:120:VAL:O	2:F:407:LEU:HG	2.07	0.55
2:E:426:GLU:CD	2:E:426:GLU:N	2.65	0.55
2:F:180:LYS:C	2:F:180:LYS:CE	2.64	0.55
2:F:180:LYS:O	2:F:181:LEU:HD23	2.06	0.55
2:F:300:ILE:HG23	2:F:342:LEU:CD1	2.36	0.55
2:F:300:ILE:CG2	2:F:301:GLU:H	2.19	0.55
2:F:397:GLN:HG2	2:F:398:VAL:N	2.22	0.55
2:F:403:PHE:O	2:F:406:LEU:HB2	2.06	0.55
1:A:414:PHE:O	1:A:417:ARG:CB	2.54	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:439:GLN:HG2	1:A:836:LEU:N	2.22	0.55
1:A:658:LYS:O	1:A:662:GLU:CG	2.53	0.55
1:A:737:GLY:O	1:A:738:PRO:C	2.49	0.55
1:A:786:ALA:CB	1:A:790:ARG:NH1	2.67	0.55
1:A:916:PHE:O	1:A:920:THR:HA	2.05	0.55
1:A:1005:VAL:CA	1:A:1008:LEU:CD1	2.67	0.55
1:A:1068:ASP:O	1:A:1070:PRO:HD3	2.07	0.55
1:A:1091:GLU:O	1:A:1092:PHE:CB	2.54	0.55
1:A:1153:LEU:O	1:A:1154:GLN:C	2.50	0.55
1:A:1224:ILE:HD11	1:A:1229:GLY:H	1.71	0.55
2:C:233:GLU:O	2:C:234:LYS:HG2	2.06	0.55
2:C:243:THR:HB	2:C:247:THR:OG1	2.07	0.55
2:C:342:LEU:O	2:C:342:LEU:HD22	2.06	0.55
2:C:415:PRO:HA	2:C:417:TYR:HE2	1.72	0.55
1:D:77:GLN:O	1:D:78:MET:CB	2.53	0.55
1:D:312:TRP:CZ3	1:D:348:LEU:HB2	2.40	0.55
1:D:607:TRP:NE1	1:D:780:GLN:O	2.40	0.55
1:D:903:GLY:HA2	1:D:1002:GLU:HB2	1.86	0.55
1:D:1006:ARG:HA	1:D:1006:ARG:CZ	2.31	0.55
2:E:77:HIS:CB	2:E:101:PRO:HD2	2.33	0.55
2:E:109:ASN:O	2:E:378:LEU:HG	2.06	0.55
2:E:211:ILE:HA	2:E:237:ALA:HA	1.89	0.55
2:E:284:ARG:O	2:E:285:LYS:CB	2.53	0.55
2:E:335:VAL:CG2	2:E:336:LEU:N	2.70	0.55
2:F:290:TYR:CE1	2:F:299:LEU:HD22	2.40	0.55
2:F:311:LEU:O	2:F:315:TYR:N	2.32	0.55
2:F:341:ASP:O	2:F:342:LEU:CD1	2.50	0.55
2:F:431:LYS:C	2:F:431:LYS:HD3	2.31	0.55
1:A:221:TYR:OH	1:A:397:ALA:HB1	2.07	0.55
1:A:564:GLN:C	1:A:567:PRO:HD2	2.30	0.55
1:A:897:TRP:O	1:A:897:TRP:CD1	2.59	0.55
1:A:900:ALA:C	1:A:915:ALA:HB1	2.32	0.55
1:A:931:LEU:HA	1:A:934:LYS:HE3	1.87	0.55
2:C:390:GLY:HA2	2:C:392:THR:N	2.21	0.55
2:C:444:THR:N	2:C:447:THR:HG23	2.20	0.55
1:D:77:GLN:O	1:D:78:MET:HB2	2.07	0.55
1:D:287:SER:C	1:D:288:ARG:HE	2.15	0.55
1:D:903:GLY:O	1:D:906:HIS:N	2.40	0.55
1:D:1060:LYS:HA	1:D:1060:LYS:CE	2.36	0.55
1:D:1209:ARG:CG	2:F:249:ASN:HB3	2.32	0.55
2:E:114:TRP:NE1	2:E:259:ARG:NH2	2.49	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:119:VAL:HA	2:E:125:VAL:HB	1.87	0.55
2:E:266:PHE:CD1	2:E:376:PRO:HG3	2.42	0.55
2:E:338:VAL:O	2:E:338:VAL:HG12	2.06	0.55
2:E:418:LEU:CD2	2:F:122:ARG:NH2	2.67	0.55
2:F:123:GLU:CD	2:F:205:PRO:O	2.49	0.55
2:F:426:GLU:OE2	2:F:429:TYR:HD1	1.89	0.55
1:A:125:LEU:HD23	1:A:125:LEU:N	2.00	0.55
1:A:267:VAL:CG1	1:A:269:HIS:CE1	2.90	0.55
1:A:379:LYS:H	1:A:379:LYS:HD3	1.70	0.55
1:A:784:GLY:CA	2:C:362:THR:O	2.55	0.55
1:A:823:ARG:HB3	1:A:825:VAL:CG2	2.13	0.55
1:A:859:TRP:CD1	1:A:859:TRP:N	2.73	0.55
1:A:1129:PHE:CE2	1:A:1131:ILE:HB	2.42	0.55
1:A:1131:ILE:HG13	1:A:1133:ILE:HG22	1.88	0.55
2:B:461:THR:CG2	2:B:463:LYS:HZ2	2.20	0.55
2:C:236:GLU:CA	2:C:341:ASP:CB	2.69	0.55
2:C:243:THR:HB	2:C:247:THR:CG2	2.37	0.55
2:C:245:PRO:O	2:C:248:SER:CB	2.45	0.55
2:C:326:ASP:CG	2:C:329:LYS:HB2	2.32	0.55
2:C:421:MET:HE2	2:C:422:GLN:CB	2.37	0.55
2:C:432:TYR:HB3	2:C:437:ILE:HD11	1.88	0.55
1:D:192:GLU:HG3	1:D:195:LEU:HD12	1.89	0.55
1:D:211:LEU:HG	1:D:221:TYR:CE1	2.42	0.55
1:D:259:ARG:CG	1:D:261:TRP:HD1	2.17	0.55
1:D:271:VAL:N	1:D:294:THR:OG1	2.39	0.55
1:D:407:PHE:CG	1:D:408:GLN:N	2.75	0.55
1:D:591:LEU:HD11	1:D:594:LEU:CG	2.20	0.55
1:D:598:VAL:HA	1:D:601:LYS:HD3	1.89	0.55
1:D:776:ASP:OD1	1:D:777:GLY:N	2.39	0.55
1:D:847:ALA:C	1:D:852:ARG:HA	2.32	0.55
1:D:916:PHE:O	1:D:920:THR:HA	2.04	0.55
1:D:954:ILE:HG22	1:D:955:TYR:CG	2.42	0.55
1:D:995:TYR:N	1:D:996:ARG:NH1	2.50	0.55
1:D:1028:VAL:O	1:D:1028:VAL:HG12	2.07	0.55
1:D:1221:TYR:CA	1:D:1224:ILE:HG22	2.33	0.55
2:E:239:LEU:HB3	2:E:338:VAL:HB	1.89	0.55
2:E:244:PRO:O	2:E:248:SER:N	2.40	0.55
2:E:301:GLU:HG2	2:E:303:LEU:CD1	2.36	0.55
2:F:78:PHE:CD2	2:F:79:LEU:HD22	2.41	0.55
2:F:112:ALA:O	2:F:116:THR:HG22	2.06	0.55
2:F:244:PRO:N	2:F:247:THR:CG2	2.70	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:357:THR:HA	2:F:370:LYS:HZ3	1.71	0.55
2:F:358:GLU:HG2	2:F:359:ASN:N	2.22	0.55
2:F:431:LYS:NZ	2:F:435:MET:CG	2.70	0.55
1:A:433:SER:HB2	1:A:1129:PHE:HE1	1.72	0.55
1:A:460:LYS:O	1:A:463:LEU:HB3	2.07	0.55
1:A:616:GLU:CG	1:A:724:GLY:CA	2.84	0.55
1:A:825:VAL:O	1:A:829:PRO:CG	2.55	0.55
1:A:1209:ARG:HH22	2:C:256:LEU:CG	2.20	0.55
2:B:338:VAL:C	2:B:339:ASN:ND2	2.65	0.55
2:B:432:TYR:HA	2:B:437:ILE:CD1	2.37	0.55
2:C:72:ILE:O	2:C:75:ARG:O	2.25	0.55
2:C:241:TRP:HE3	2:C:255:TRP:HE1	1.52	0.55
2:C:349:TYR:C	2:C:351:TYR:N	2.62	0.55
2:C:393:LEU:HD23	2:C:396:ARG:CG	2.26	0.55
2:C:441:VAL:O	2:C:441:VAL:HG23	2.07	0.55
1:D:278:ILE:HD13	1:D:282:TYR:OH	2.07	0.55
1:D:307:PHE:O	1:D:308:GLN:C	2.50	0.55
1:D:550:GLN:OE1	1:D:551:LYS:CE	2.54	0.55
1:D:576:LEU:HG	1:D:579:ARG:HE	1.70	0.55
1:D:769:ASP:O	1:D:773:LYS:NZ	2.29	0.55
1:D:790:ARG:C	1:D:792:LEU:H	2.13	0.55
1:D:867:PRO:O	1:D:868:ASP:CB	2.55	0.55
1:D:874:LEU:O	1:D:878:VAL:CG2	2.41	0.55
1:D:951:TYR:O	1:D:955:TYR:CE1	2.59	0.55
1:D:1163:MET:CE	1:D:1167:LYS:HG2	2.37	0.55
2:E:431:LYS:CA	2:E:434:GLU:HG2	2.34	0.55
1:A:203:LEU:HD13	1:A:379:LYS:C	2.30	0.55
1:A:267:VAL:CG1	1:A:269:HIS:HE1	2.20	0.55
1:A:358:LEU:HD12	1:A:407:PHE:CE1	2.42	0.55
1:A:430:MET:O	1:A:1130:CYS:SG	2.64	0.55
1:A:572:TRP:O	1:A:574:ARG:N	2.40	0.55
1:A:610:PHE:CE1	1:A:972:ARG:NH2	2.75	0.55
1:A:613:HIS:CG	1:A:717:LEU:HG	2.41	0.55
1:A:658:LYS:O	1:A:659:HIS:C	2.50	0.55
1:A:732:TYR:CD1	1:A:755:LYS:HG2	2.42	0.55
1:A:955:TYR:HD2	1:A:1102:GLN:HE22	1.52	0.55
1:A:1055:SER:O	1:A:1059:ASN:CG	2.50	0.55
2:B:69:LEU:O	2:B:73:CYS:SG	2.64	0.55
2:B:78:PHE:CD2	2:B:102:LEU:HD22	2.42	0.55
2:B:182:ARG:O	2:B:182:ARG:HG2	2.06	0.55
2:B:388:GLY:O	2:B:444:THR:HA	2.07	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:208:LEU:CD1	2:C:208:LEU:O	2.54	0.55
2:C:244:PRO:N	2:C:247:THR:HG21	2.22	0.55
2:C:344:ARG:O	2:C:347:LEU:HB2	2.07	0.55
2:C:387:VAL:HG11	2:C:395:LEU:O	2.07	0.55
2:C:387:VAL:CG1	2:C:399:CYS:HB2	2.37	0.55
2:C:406:LEU:CA	2:C:409:ASN:ND2	2.61	0.55
1:D:389:PHE:CD1	1:D:389:PHE:C	2.85	0.55
1:D:401:TRP:HD1	1:D:404:HIS:HD2	1.53	0.55
1:D:402:ALA:O	1:D:406:VAL:CG1	2.55	0.55
1:D:453:GLU:O	1:D:454:GLU:C	2.49	0.55
1:D:613:HIS:CE1	1:D:717:LEU:CD1	2.89	0.55
1:D:657:ARG:C	1:D:660:CYS:HB3	2.31	0.55
1:D:659:HIS:CG	1:D:719:LEU:HD22	2.42	0.55
1:D:827:ARG:C	1:D:827:ARG:CD	2.80	0.55
1:D:891:VAL:CG1	1:D:1135:ASP:CA	2.85	0.55
1:D:922:GLN:OE1	1:D:934:LYS:NZ	2.39	0.55
2:E:91:LEU:C	2:E:93:SER:N	2.61	0.55
2:E:324:GLY:O	2:E:331:VAL:HG13	2.06	0.55
2:E:380:PRO:CA	2:E:438:LEU:HD12	2.37	0.55
2:F:115:TRP:O	2:F:118:VAL:HG12	2.06	0.55
2:F:116:THR:O	2:F:120:VAL:HG13	2.07	0.55
2:F:240:VAL:CA	2:F:336:LEU:HB3	2.36	0.55
2:F:344:ARG:HA	2:F:347:LEU:CD2	2.34	0.55
2:F:432:TYR:C	2:F:435:MET:H	2.15	0.55
2:F:460:THR:O	2:F:461:THR:C	2.50	0.55
1:A:79:LEU:CB	1:A:89:GLY:CA	2.84	0.54
1:A:276:ALA:C	1:A:278:ILE:N	2.55	0.54
1:A:355:SER:C	1:A:407:PHE:HZ	2.15	0.54
1:A:363:ARG:O	1:A:365:TYR:CE2	2.59	0.54
1:A:616:GLU:HG3	1:A:616:GLU:O	2.06	0.54
1:A:788:GLY:O	1:A:792:LEU:HG	2.07	0.54
1:A:815:TRP:HA	1:A:838:GLY:HA2	1.87	0.54
1:A:885:THR:HB	1:A:1146:ARG:HH21	1.72	0.54
1:A:974:THR:HG23	1:A:975:GLN:H	1.72	0.54
2:B:270:PRO:C	2:B:272:ASN:H	2.10	0.54
2:B:283:GLY:O	2:B:305:ASN:O	2.25	0.54
2:B:456:ARG:HG2	2:B:463:LYS:HG3	1.89	0.54
2:C:82:SER:C	2:C:83:LYS:HG3	2.32	0.54
1:D:239:LEU:C	1:D:242:ALA:H	2.14	0.54
1:D:273:PHE:CA	1:D:276:ALA:H	2.19	0.54
1:D:439:GLN:NE2	1:D:837:TYR:CE2	2.75	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:457:ARG:C	1:D:460:LYS:HZ2	2.15	0.54
1:D:460:LYS:HG2	1:D:461:LYS:N	2.22	0.54
1:D:771:LEU:N	1:D:771:LEU:CD1	2.70	0.54
1:D:904:ASP:OD1	1:D:915:ALA:CB	2.55	0.54
1:D:1111:LEU:HD22	1:D:1164:PHE:HE1	1.68	0.54
1:D:1209:ARG:CZ	2:F:252:LEU:HB3	2.37	0.54
2:E:109:ASN:HB2	2:E:378:LEU:CB	2.37	0.54
2:E:427:GLN:HA	2:E:430:SER:OG	2.07	0.54
2:F:102:LEU:HD11	2:F:435:MET:HE3	1.84	0.54
2:F:118:VAL:CG1	2:F:119:VAL:N	2.70	0.54
2:F:123:GLU:OE1	2:F:206:TYR:HA	2.07	0.54
2:F:375:HIS:CD2	2:F:377:CYS:H	2.24	0.54
2:F:460:THR:CG2	2:F:462:MET:HB2	2.35	0.54
1:A:189:ILE:HD12	1:A:258:GLN:HA	1.89	0.54
1:A:456:GLN:O	1:A:460:LYS:HD3	2.07	0.54
1:A:490:TRP:CH2	1:A:598:VAL:CB	2.85	0.54
1:A:605:LEU:C	1:A:781:ALA:CB	2.81	0.54
1:A:730:PRO:HD3	1:A:761:ASN:OD1	2.08	0.54
1:A:1006:ARG:N	1:A:1006:ARG:HH11	2.06	0.54
2:B:105:GLU:HG3	2:B:380:PRO:C	2.31	0.54
2:B:376:PRO:O	2:B:378:LEU:N	2.39	0.54
2:C:200:VAL:O	2:C:201:ASN:HB2	2.06	0.54
2:C:266:PHE:HB3	2:C:378:LEU:HD11	1.88	0.54
2:C:342:LEU:CB	2:C:344:ARG:HB2	2.37	0.54
1:D:131:TYR:C	1:D:138:HIS:CE1	2.86	0.54
1:D:284:ILE:H	1:D:284:ILE:CD1	2.02	0.54
1:D:472:GLN:C	2:F:461:THR:CG2	2.80	0.54
1:D:612:LEU:HB3	1:D:621:GLY:N	2.22	0.54
1:D:739:TYR:O	1:D:741:ASP:O	2.25	0.54
1:D:808:ILE:O	1:D:811:GLN:OE1	2.25	0.54
1:D:879:GLN:O	1:D:1189:LEU:CD2	2.54	0.54
1:D:1106:VAL:O	1:D:1107:ASP:C	2.50	0.54
1:D:1151:LEU:HD12	1:D:1230:SER:HA	1.89	0.54
1:D:1190:ARG:HH11	1:D:1195:MET:CE	2.17	0.54
2:E:192:HIS:O	2:E:193:TYR:C	2.49	0.54
2:E:239:LEU:O	2:E:240:VAL:HB	2.06	0.54
2:E:382:LYS:CG	2:E:383:VAL:H	2.20	0.54
2:F:198:ASP:C	2:F:198:ASP:OD1	2.48	0.54
2:F:349:TYR:C	2:F:351:TYR:N	2.62	0.54
2:F:385:LEU:HD13	2:F:399:CYS:SG	2.47	0.54
1:A:227:ARG:C	1:A:227:ARG:HD3	2.31	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:371:LYS:HA	1:A:374:ARG:HD2	1.88	0.54
1:A:420:HIS:CE1	1:A:422:VAL:HG23	2.42	0.54
1:A:520:ALA:N	1:A:521:PRO:CD	2.71	0.54
1:A:652:ILE:HG23	1:A:655:LEU:HD11	1.89	0.54
1:A:936:ALA:O	1:A:939:VAL:C	2.50	0.54
2:B:67:GLU:N	2:B:70:LEU:HB2	2.22	0.54
2:B:78:PHE:CD2	2:B:102:LEU:HB2	2.42	0.54
1:D:270:ASN:C	1:D:274:ASP:OD1	2.50	0.54
1:D:396:CYS:O	1:D:400:VAL:HG23	2.06	0.54
1:D:437:VAL:HG12	1:D:438:ASN:N	2.21	0.54
1:D:484:TRP:CD1	1:D:488:LEU:HG	2.42	0.54
1:D:618:HIS:CE1	1:D:761:ASN:HB3	2.42	0.54
1:D:877:MET:HE3	1:D:1207:GLU:HB2	1.89	0.54
1:D:933:SER:OG	1:D:943:ARG:CZ	2.55	0.54
1:D:1157:ASN:OD1	1:D:1161:ARG:NH2	2.40	0.54
2:E:385:LEU:HD13	2:E:441:VAL:HB	1.88	0.54
2:F:309:HIS:HB3	2:F:310:GLU:OE1	2.06	0.54
2:F:425:LEU:HD12	2:F:425:LEU:O	2.08	0.54
2:F:457:SER:O	2:F:458:ARG:C	2.50	0.54
1:A:196:VAL:CG1	1:A:401:TRP:CZ3	2.91	0.54
1:A:272:SER:C	1:A:274:ASP:H	2.16	0.54
1:A:273:PHE:CA	1:A:276:ALA:HB3	2.37	0.54
1:A:503:VAL:O	1:A:504:LYS:HB3	2.07	0.54
1:A:639:THR:HB	1:A:640:LEU:CD2	2.27	0.54
1:A:885:THR:HB	1:A:1146:ARG:CZ	2.37	0.54
1:A:915:ALA:O	1:A:919:MET:N	2.26	0.54
2:B:307:GLY:HA2	2:B:334:CYS:HB3	1.90	0.54
2:C:395:LEU:CD2	2:C:443:VAL:HB	2.37	0.54
1:D:143:ALA:HB1	1:D:421:PRO:O	2.08	0.54
1:D:257:THR:O	1:D:257:THR:CG2	2.49	0.54
1:D:267:VAL:CG2	1:D:289:MET:HE3	2.36	0.54
1:D:421:PRO:O	1:D:425:ALA:CB	2.55	0.54
1:D:542:ASP:O	1:D:546:ARG:HB2	2.06	0.54
1:D:601:LYS:HZ2	1:D:721:ALA:HA	1.72	0.54
1:D:734:HIS:ND1	1:D:752:LEU:HD11	2.22	0.54
1:D:744:ILE:CB	1:D:745:PRO:HD3	2.36	0.54
1:D:774:MET:O	1:D:776:ASP:O	2.25	0.54
1:D:776:ASP:N	1:D:796:LYS:NZ	2.55	0.54
1:D:807:ARG:HB2	1:D:858:THR:CG2	2.37	0.54
1:D:1063:SER:OG	1:D:1066:THR:HB	2.08	0.54
1:D:1153:LEU:N	1:D:1153:LEU:HD23	2.22	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:127:PRO:O	2:F:101:PRO:HA	2.07	0.54
2:E:240:VAL:HG12	2:E:242:PHE:CZ	2.43	0.54
2:E:280:ASP:O	2:E:304:TRP:CH2	2.60	0.54
2:F:381:ILE:CG2	2:F:437:ILE:HG22	2.38	0.54
2:F:402:LEU:HG	2:F:472:LYS:HZ1	1.70	0.54
1:A:112:LEU:HD12	1:A:112:LEU:N	2.21	0.54
1:A:175:TRP:HD1	1:A:183:GLU:HB2	1.71	0.54
1:A:371:LYS:NZ	1:A:400:VAL:CG2	2.70	0.54
1:A:611:PRO:HG3	1:A:671:GLN:CG	2.37	0.54
1:A:919:MET:C	1:A:920:THR:O	2.51	0.54
1:A:1140:LEU:CD2	1:A:1141:VAL:N	2.71	0.54
1:A:1232:GLU:CD	1:A:1234:ARG:NH2	2.65	0.54
2:B:69:LEU:HA	2:B:72:ILE:HG12	1.90	0.54
2:B:82:SER:HB3	2:B:85:GLN:CG	2.38	0.54
2:B:122:ARG:HB3	2:B:122:ARG:HH11	1.72	0.54
2:B:336:LEU:HD23	2:B:336:LEU:C	2.32	0.54
2:B:342:LEU:O	2:B:343:ASP:C	2.50	0.54
2:B:461:THR:HG23	2:B:463:LYS:HZ2	1.73	0.54
2:B:469:SER:O	2:B:471:LEU:N	2.40	0.54
2:C:381:ILE:CG2	2:C:437:ILE:HG22	2.38	0.54
2:C:456:ARG:NH2	2:C:465:MET:SD	2.80	0.54
2:C:469:SER:C	2:C:471:LEU:HD12	2.31	0.54
1:D:193:ARG:CA	1:D:193:ARG:HH11	2.19	0.54
1:D:279:ARG:HH11	1:D:841:LEU:HD13	1.71	0.54
1:D:297:MET:HE2	1:D:415:LEU:CD2	2.37	0.54
1:D:308:GLN:NE2	1:D:1091:GLU:N	2.55	0.54
1:D:429:GLU:HG3	1:D:1128:ARG:HH22	1.68	0.54
1:D:434:TYR:HA	1:D:841:LEU:HD13	1.89	0.54
1:D:483:PRO:HG3	1:D:712:VAL:CG1	2.38	0.54
1:D:581:ASP:OD1	1:D:592:LEU:HD13	2.08	0.54
1:D:730:PRO:HB3	1:D:761:ASN:CA	2.38	0.54
1:D:945:HIS:HA	1:D:948:ILE:HD11	1.88	0.54
1:D:1027:LYS:HB2	1:D:1096:ARG:CG	2.37	0.54
1:D:1122:GLU:O	1:D:1123:PHE:HB2	2.08	0.54
2:E:187:HIS:HA	2:E:190:LEU:CD2	2.31	0.54
2:E:427:GLN:O	2:E:430:SER:HB2	2.08	0.54
2:F:82:SER:C	2:F:83:LYS:HG3	2.33	0.54
2:F:129:ASP:HB3	2:F:131:LEU:HD22	1.88	0.54
2:F:308:ASP:OD1	2:F:333:PRO:C	2.50	0.54
2:F:383:VAL:CG2	2:F:384:ALA:N	2.70	0.54
2:F:385:LEU:HD11	2:F:402:LEU:HB3	1.90	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:405:GLU:C	2:F:405:GLU:OE1	2.51	0.54
2:F:442:LEU:O	2:F:443:VAL:C	2.50	0.54
1:A:196:VAL:HG12	1:A:401:TRP:CZ3	2.43	0.54
1:A:385:ILE:CG2	1:A:386:ARG:N	2.70	0.54
1:A:560:PRO:HD2	2:C:452:LEU:CD2	2.37	0.54
1:A:613:HIS:O	1:A:614:TYR:CB	2.55	0.54
1:A:659:HIS:CD2	1:A:720:THR:HB	2.43	0.54
1:A:845:VAL:CG1	1:A:848:GLY:HA3	2.37	0.54
1:A:1006:ARG:CZ	1:A:1010:LEU:HD11	2.35	0.54
1:A:1026:ARG:CG	1:A:1029:GLN:CD	2.81	0.54
2:B:217:PRO:HB2	2:B:231:ILE:CG2	2.38	0.54
2:B:315:TYR:HB2	2:B:322:LEU:HD11	1.90	0.54
2:B:373:LYS:CE	2:B:459:ASP:HA	2.33	0.54
2:B:414:TRP:CD1	2:B:414:TRP:C	2.86	0.54
2:B:417:TYR:OH	2:C:122:ARG:CD	2.40	0.54
2:C:197:LEU:CD1	2:C:322:LEU:HD21	2.37	0.54
2:C:201:ASN:O	2:C:202:LYS:HB3	2.08	0.54
2:C:241:TRP:CE3	2:C:336:LEU:HD12	2.43	0.54
1:D:298:HIS:CD2	1:D:411:LEU:CD2	2.90	0.54
1:D:348:LEU:HD13	1:D:350:ILE:HD11	1.88	0.54
1:D:437:VAL:CA	1:D:441:TRP:HD1	2.16	0.54
1:D:459:MET:H	1:D:460:LYS:NZ	2.00	0.54
1:D:735:GLY:HA2	1:D:750:PHE:N	2.23	0.54
1:D:779:LEU:O	1:D:779:LEU:HD13	2.07	0.54
1:D:854:ALA:O	1:D:855:VAL:CG2	2.55	0.54
1:D:888:GLY:CA	1:D:1138:ARG:HD3	2.18	0.54
1:D:892:ASP:OD2	1:D:893:SER:N	2.40	0.54
1:D:1014:ARG:HD3	1:D:1026:ARG:CD	2.37	0.54
1:D:1052:GLY:O	1:D:1056:GLU:N	2.40	0.54
2:E:101:PRO:N	2:F:128:VAL:CG2	2.71	0.54
2:E:199:LEU:CD1	2:E:200:VAL:H	2.21	0.54
2:E:270:PRO:C	2:E:273:PHE:HD2	2.15	0.54
2:F:131:LEU:HB3	2:F:133:HIS:ND1	2.22	0.54
2:F:399:CYS:SG	2:F:417:TYR:CD2	3.00	0.54
1:A:175:TRP:CG	1:A:184:ALA:HA	2.43	0.54
1:A:503:VAL:CG1	1:A:520:ALA:C	2.65	0.54
1:A:730:PRO:HG3	1:A:760:CYS:O	2.08	0.54
1:A:784:GLY:CA	2:C:363:ARG:CD	2.85	0.54
1:A:850:ILE:CG1	1:A:1099:TRP:NE1	2.71	0.54
1:A:982:ALA:O	1:A:986:TYR:CD1	2.61	0.54
1:A:1015:THR:CA	1:A:1016:GLU:OE2	2.55	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1093:MET:C	1:A:1097:VAL:HG23	2.32	0.54
2:B:112:ALA:O	2:B:115:TRP:CB	2.56	0.54
2:B:400:GLN:HG2	2:B:417:TYR:CE2	2.43	0.54
2:B:447:THR:HG23	2:B:452:LEU:H	1.70	0.54
2:C:78:PHE:CD2	2:C:79:LEU:HD22	2.42	0.54
2:C:127:PRO:CD	2:C:209:ALA:C	2.76	0.54
2:C:221:THR:HG22	2:C:222:LYS:N	2.21	0.54
2:C:326:ASP:OD2	2:C:327:GLY:N	2.39	0.54
1:D:148:LEU:CB	1:D:149:PRO:HD3	2.38	0.54
1:D:286:GLY:O	1:D:287:SER:CB	2.56	0.54
1:D:301:ILE:O	1:D:1024:ASP:CB	2.55	0.54
1:D:371:LYS:NZ	1:D:393:MET:HA	2.21	0.54
1:D:627:ARG:O	1:D:628:ARG:CB	2.56	0.54
1:D:735:GLY:CA	1:D:749:PHE:CA	2.85	0.54
1:D:791:ALA:C	1:D:792:LEU:HD12	2.32	0.54
1:D:801:TRP:CD1	1:D:869:ARG:HH21	2.23	0.54
1:D:901:VAL:CG2	1:D:902:LEU:N	2.70	0.54
1:D:1145:ASP:HA	1:D:1148:ARG:HD3	1.90	0.54
1:D:1209:ARG:CZ	2:F:252:LEU:HD22	2.38	0.54
2:E:214:CYS:HB2	2:E:236:GLU:CB	2.37	0.54
2:E:404:ASN:C	2:E:406:LEU:N	2.66	0.54
2:E:428:LEU:CD1	2:E:428:LEU:N	2.60	0.54
2:F:221:THR:CG2	2:F:222:LYS:N	2.71	0.54
2:F:328:ARG:HG3	2:F:329:LYS:HD2	1.90	0.54
2:F:372:LEU:C	2:F:372:LEU:HD12	2.33	0.54
1:A:82:GLY:O	1:A:85:GLU:HG3	2.07	0.54
1:A:795:ASN:ND2	1:A:795:ASN:C	2.65	0.54
1:A:879:GLN:O	1:A:1187:ARG:O	2.26	0.54
1:A:977:GLU:HA	1:A:980:GLU:OE2	2.08	0.54
1:A:1043:VAL:O	1:A:1043:VAL:HG12	2.08	0.54
2:B:100:GLY:HA2	2:C:128:VAL:HG11	1.90	0.54
2:B:204:LEU:HD11	2:B:333:PRO:HB3	1.88	0.54
2:B:252:LEU:O	2:B:255:TRP:HB2	2.07	0.54
2:B:476:ILE:O	2:B:480:SER:N	2.36	0.54
2:C:81:GLY:O	2:C:86:LEU:HD21	2.07	0.54
2:C:114:TRP:CD1	2:C:259:ARG:HH12	2.26	0.54
2:C:234:LYS:NZ	2:C:344:ARG:CD	2.61	0.54
2:C:358:GLU:HA	2:C:361:PHE:CB	2.38	0.54
2:C:395:LEU:HD11	2:C:444:THR:CA	2.36	0.54
1:D:194:ALA:C	1:D:195:LEU:HG	2.33	0.54
1:D:278:ILE:HA	1:D:291:PHE:CD1	2.42	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:354:ASN:O	1:D:355:SER:OG	2.19	0.54
1:D:422:VAL:CG1	1:D:1111:LEU:HD12	2.36	0.54
1:D:548:CYS:N	1:D:551:LYS:HD3	2.22	0.54
1:D:585:TRP:CB	1:D:587:PRO:HD2	2.23	0.54
1:D:732:TYR:CG	1:D:755:LYS:NZ	2.75	0.54
1:D:1147:TYR:N	1:D:1147:TYR:CD2	2.74	0.54
2:E:193:TYR:O	2:E:197:LEU:HB3	2.08	0.54
2:E:218:VAL:O	2:E:230:SER:OG	2.22	0.54
2:E:299:LEU:HD11	2:E:302:THR:HG22	1.89	0.54
2:E:481:SER:HA	2:E:484:ASN:CG	2.33	0.54
2:F:146:ARG:CB	2:F:228:VAL:HG11	2.38	0.54
1:A:113:TRP:HA	1:A:116:PRO:CD	2.37	0.54
1:A:215:ILE:O	1:A:216:SER:C	2.51	0.54
1:A:307:PHE:CD2	1:A:1051:GLY:HA3	2.43	0.54
1:A:442:GLU:OE1	1:A:815:TRP:HZ2	1.91	0.54
1:A:515:ILE:O	1:A:516:GLU:C	2.50	0.54
1:A:616:GLU:C	1:A:725:PRO:HG3	2.33	0.54
1:A:645:VAL:HA	1:A:650:ARG:CD	2.38	0.54
1:A:792:LEU:O	1:A:796:LYS:HG3	2.08	0.54
1:A:877:MET:O	1:A:878:VAL:C	2.51	0.54
1:A:964:ARG:O	1:A:968:GLN:CG	2.56	0.54
1:A:1029:GLN:CD	1:A:1096:ARG:NH2	2.65	0.54
1:A:1128:ARG:O	1:A:1140:LEU:N	2.40	0.54
2:B:249:ASN:HA	2:B:252:LEU:HD22	1.89	0.54
2:B:257:ARG:O	2:B:258:HIS:C	2.48	0.54
2:B:265:LYS:O	2:B:266:PHE:HB2	2.08	0.54
2:B:265:LYS:HD3	2:B:349:TYR:OH	2.08	0.54
2:B:267:ALA:HB1	2:B:270:PRO:HB2	1.90	0.54
2:C:192:HIS:C	2:C:196:CYS:SG	2.91	0.54
2:C:314:MET:HB3	2:C:315:TYR:CD2	2.43	0.54
2:C:336:LEU:HD23	2:C:337:SER:O	2.08	0.54
1:D:175:TRP:C	1:D:185:VAL:HG11	2.32	0.54
1:D:381:THR:HG23	1:D:385:ILE:HB	1.90	0.54
1:D:395:TYR:H	1:D:395:TYR:HD1	1.56	0.54
1:D:578:PRO:O	1:D:579:ARG:C	2.50	0.54
1:D:605:LEU:CD2	1:D:781:ALA:CB	2.73	0.54
1:D:744:ILE:CB	1:D:745:PRO:CD	2.85	0.54
1:D:823:ARG:CZ	1:D:824:ALA:HB3	2.38	0.54
1:D:854:ALA:C	1:D:855:VAL:HG23	2.33	0.54
1:D:859:TRP:CD1	1:D:859:TRP:N	2.76	0.54
1:D:1010:LEU:C	1:D:1012:VAL:N	2.63	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1224:ILE:HG12	1:D:1227:THR:O	2.07	0.54
2:E:99:PHE:CD1	2:E:107:ARG:NH2	2.76	0.54
2:E:115:TRP:CZ3	2:E:210:GLN:HA	2.40	0.54
2:E:189:ALA:HB3	2:E:240:VAL:HG21	1.89	0.54
2:E:419:GLU:CA	2:F:203:ARG:HH22	2.20	0.54
2:F:447:THR:CG2	2:F:448:LEU:HG	2.35	0.54
1:A:136:ASP:HA	1:A:139:PHE:HB2	1.88	0.54
1:A:196:VAL:HG13	1:A:269:HIS:HD2	1.67	0.54
1:A:556:THR:HG22	2:C:467:HIS:CD2	2.43	0.54
1:A:730:PRO:HG3	1:A:760:CYS:C	2.33	0.54
1:A:1008:LEU:HD22	1:A:1009:ASN:N	2.22	0.54
1:A:1046:GLU:OE1	1:A:1049:TRP:CG	2.60	0.54
2:B:116:THR:HA	2:B:120:VAL:CB	2.38	0.54
2:B:200:VAL:O	2:B:202:LYS:N	2.41	0.54
2:B:267:ALA:HB1	2:B:270:PRO:HD2	1.89	0.54
2:C:305:ASN:HA	2:C:335:VAL:CG1	2.38	0.54
2:C:371:VAL:HG23	2:C:433:ASP:CB	2.37	0.54
1:D:385:ILE:O	1:D:388:ASN:HB2	2.08	0.54
1:D:543:VAL:O	1:D:547:ALA:CB	2.56	0.54
1:D:564:GLN:O	1:D:565:HIS:C	2.51	0.54
1:D:603:MET:O	1:D:605:LEU:HG	2.07	0.54
1:D:845:VAL:H	1:D:855:VAL:HB	1.73	0.54
1:D:853:ARG:NH1	1:D:1102:GLN:HA	2.23	0.54
1:D:1113:LEU:N	1:D:1113:LEU:CD2	2.71	0.54
1:D:1129:PHE:CE2	1:D:1139:TYR:CE2	2.96	0.54
1:D:1134:HIS:O	1:D:1134:HIS:CD2	2.60	0.54
2:E:75:ARG:O	2:E:76:ARG:HB2	2.08	0.54
2:E:353:SER:HG	2:E:372:LEU:HD11	1.73	0.54
2:F:74:GLN:HE21	2:F:75:ARG:HH21	1.56	0.54
2:F:241:TRP:CG	2:F:336:LEU:HD12	2.41	0.54
2:F:311:LEU:CA	2:F:314:MET:HB2	2.38	0.54
2:F:344:ARG:HA	2:F:347:LEU:CB	2.36	0.54
1:A:244:LEU:O	1:A:247:LEU:CD2	2.56	0.53
1:A:301:ILE:CD1	1:A:414:PHE:CB	2.86	0.53
1:A:316:LYS:HD3	1:A:350:ILE:HG12	1.89	0.53
1:A:450:GLY:O	1:A:454:GLU:HG3	2.09	0.53
1:A:498:LYS:CE	1:A:518:ALA:H	2.09	0.53
1:A:513:LEU:O	1:A:568:GLY:CA	2.56	0.53
1:A:549:LEU:O	1:A:553:LYS:HG3	2.08	0.53
1:A:582:ASP:OD1	1:A:592:LEU:HD22	2.08	0.53
1:A:783:PRO:CG	2:C:363:ARG:CZ	2.84	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:827:ARG:HG2	1:A:827:ARG:NH1	2.19	0.53
1:A:1169:GLY:O	1:A:1170:LEU:CB	2.53	0.53
2:B:78:PHE:CE1	2:B:103:GLY:HA2	2.38	0.53
2:B:182:ARG:HG2	2:B:214:CYS:HA	1.90	0.53
2:B:206:TYR:HA	2:B:241:TRP:CZ3	2.43	0.53
2:B:284:ARG:NE	2:B:284:ARG:HA	2.22	0.53
2:C:253:ASP:HA	2:C:256:LEU:HD23	1.90	0.53
2:C:375:HIS:HB3	2:C:378:LEU:CD1	2.35	0.53
2:C:416:GLY:HA2	2:C:419:GLU:CB	2.37	0.53
2:C:446:THR:CB	2:C:450:ASN:OD1	2.51	0.53
2:C:456:ARG:CB	2:C:463:LYS:C	2.79	0.53
1:D:189:ILE:HD13	1:D:258:GLN:HB3	1.91	0.53
1:D:211:LEU:O	1:D:212:ALA:HB2	2.08	0.53
1:D:269:HIS:HB2	1:D:274:ASP:OD1	2.08	0.53
1:D:279:ARG:HH21	1:D:844:VAL:HG22	1.72	0.53
1:D:441:TRP:CZ3	1:D:1210:TYR:CE1	2.96	0.53
1:D:495:PHE:O	1:D:496:LYS:CD	2.48	0.53
1:D:1189:LEU:N	1:D:1189:LEU:CD2	2.68	0.53
2:E:67:GLU:CD	2:E:67:GLU:N	2.67	0.53
2:E:79:LEU:C	2:E:79:LEU:HD12	2.33	0.53
2:E:260:LEU:CD1	2:E:264:ARG:HD2	2.38	0.53
2:E:441:VAL:CG1	2:E:442:LEU:N	2.71	0.53
2:F:80:SER:OG	2:F:99:PHE:O	2.25	0.53
2:F:371:VAL:HG23	2:F:433:ASP:CB	2.38	0.53
2:F:454:HIS:NE2	2:F:472:LYS:CD	2.70	0.53
1:A:172:ALA:O	1:A:173:GLU:HB2	2.07	0.53
1:A:299:MET:HE1	1:A:353:VAL:HB	1.90	0.53
1:A:313:ILE:HD12	1:A:314:ALA:N	2.23	0.53
1:A:440:ASN:O	1:A:441:TRP:C	2.47	0.53
1:A:848:GLY:C	1:A:849:THR:O	2.49	0.53
1:A:899:ALA:O	1:A:1002:GLU:OE1	2.27	0.53
1:A:1115:ALA:O	1:A:1118:TRP:HB3	2.08	0.53
2:B:202:LYS:O	2:B:325:ARG:NE	2.41	0.53
2:C:70:LEU:C	2:C:70:LEU:HD13	2.33	0.53
2:C:291:TYR:HH	2:C:355:GLN:HG3	1.69	0.53
2:C:364:LYS:H	2:C:364:LYS:CD	2.08	0.53
2:C:407:LEU:C	2:C:407:LEU:CD2	2.81	0.53
2:C:426:GLU:O	2:C:429:TYR:HB2	2.08	0.53
2:C:451:GLY:O	2:C:452:LEU:HG	2.09	0.53
1:D:456:GLN:O	1:D:460:LYS:NZ	2.41	0.53
1:D:731:SER:O	1:D:732:TYR:HB2	2.09	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:127:PRO:HG2	2:F:101:PRO:HA	1.91	0.53
2:E:418:LEU:HD11	2:F:122:ARG:CG	2.38	0.53
2:E:462:MET:HE2	2:E:462:MET:CA	2.34	0.53
2:E:483:LYS:HB2	2:E:483:LYS:NZ	2.23	0.53
2:F:293:PHE:C	2:F:295:TRP:H	2.17	0.53
2:F:350:LEU:N	2:F:350:LEU:CD1	2.56	0.53
2:F:371:VAL:HG23	2:F:433:ASP:O	2.08	0.53
2:F:454:HIS:CG	2:F:466:MET:HB2	2.40	0.53
1:A:78:MET:HE2	1:A:78:MET:O	2.07	0.53
1:A:201:VAL:HG22	1:A:208:CYS:C	2.33	0.53
1:A:347:TRP:HD1	1:A:1030:ARG:HG2	1.73	0.53
1:A:400:VAL:HG13	1:A:404:HIS:NE2	2.22	0.53
1:A:420:HIS:O	1:A:424:LEU:CG	2.56	0.53
1:A:435:LEU:HD12	1:A:842:PRO:CD	2.39	0.53
1:A:461:LYS:O	1:A:462:SER:C	2.52	0.53
1:A:620:TRP:CD1	1:A:620:TRP:H	2.26	0.53
1:A:627:ARG:O	1:A:628:ARG:CB	2.56	0.53
1:A:644:GLY:O	1:A:645:VAL:HB	2.07	0.53
1:A:814:VAL:O	1:A:838:GLY:HA3	2.08	0.53
1:A:885:THR:HB	1:A:1146:ARG:NH2	2.22	0.53
1:A:1019:TRP:O	1:A:1020:ILE:CB	2.56	0.53
2:C:250:GLN:OE1	2:C:257:ARG:NH2	2.29	0.53
2:C:343:ASP:O	2:C:346:MET:HB3	2.09	0.53
2:C:477:LYS:O	2:C:478:TYR:C	2.49	0.53
1:D:210:THR:O	1:D:211:LEU:CB	2.54	0.53
1:D:279:ARG:HA	1:D:841:LEU:HD12	1.91	0.53
1:D:312:TRP:CE3	1:D:316:LYS:CD	2.92	0.53
1:D:421:PRO:HG2	1:D:422:VAL:N	2.23	0.53
1:D:457:ARG:CB	1:D:457:ARG:NH1	2.71	0.53
1:D:732:TYR:CB	1:D:755:LYS:NZ	2.71	0.53
1:D:932:HIS:ND1	1:D:933:SER:N	2.56	0.53
2:E:379:ALA:N	2:E:380:PRO:CD	2.72	0.53
2:F:127:PRO:HD3	2:F:210:GLN:HB2	1.82	0.53
2:F:199:LEU:HD12	2:F:200:VAL:H	1.73	0.53
2:F:286:GLY:HA3	2:F:303:LEU:O	2.08	0.53
2:F:306:LEU:O	2:F:306:LEU:CG	2.50	0.53
2:F:354:PHE:C	2:F:356:LEU:N	2.60	0.53
2:F:372:LEU:CD1	2:F:374:LEU:HG	2.38	0.53
2:F:416:GLY:HA2	2:F:419:GLU:HB3	1.91	0.53
1:A:87:ILE:HG12	1:A:1166:TYR:CE2	2.43	0.53
1:A:215:ILE:CG2	1:A:216:SER:N	2.51	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:316:LYS:HB2	1:A:348:LEU:CD1	2.39	0.53
1:A:408:GLN:HG3	1:A:411:LEU:HD21	1.90	0.53
1:A:441:TRP:HE1	1:A:877:MET:HB3	1.72	0.53
1:A:528:GLU:O	1:A:529:ASP:OD2	2.27	0.53
1:A:606:THR:CB	1:A:613:HIS:N	2.72	0.53
1:A:828:HIS:N	1:A:829:PRO:CD	2.72	0.53
1:A:857:PRO:O	1:A:861:THR:OG1	2.20	0.53
1:A:920:THR:OG1	1:A:921:LEU:HD12	2.08	0.53
1:A:1163:MET:HE3	1:A:1167:LYS:HE3	1.89	0.53
2:B:133:HIS:NE2	2:C:231:ILE:HG21	2.20	0.53
2:B:348:ALA:O	2:B:351:TYR:N	2.36	0.53
2:C:266:PHE:HD1	2:C:378:LEU:CD1	2.21	0.53
2:C:274:SER:OG	2:C:275:SER:N	2.41	0.53
1:D:116:PRO:O	1:D:118:VAL:HG12	2.08	0.53
1:D:136:ASP:OD1	1:D:140:ARG:NE	2.41	0.53
1:D:192:GLU:CD	1:D:258:GLN:NE2	2.66	0.53
1:D:278:ILE:HD13	1:D:282:TYR:CZ	2.43	0.53
1:D:298:HIS:NE2	1:D:407:PHE:HB2	2.24	0.53
1:D:744:ILE:CG1	1:D:745:PRO:HD3	2.37	0.53
1:D:776:ASP:CA	1:D:796:LYS:HZ3	2.21	0.53
1:D:786:ALA:O	1:D:787:SER:CB	2.55	0.53
1:D:849:THR:HG21	1:D:851:THR:HB	1.89	0.53
1:D:932:HIS:O	1:D:935:THR:CG2	2.46	0.53
1:D:1016:GLU:HG3	1:D:1022:LEU:CD2	2.39	0.53
2:E:109:ASN:HD22	2:E:378:LEU:HB3	1.73	0.53
2:F:78:PHE:CD1	2:F:102:LEU:CD2	2.90	0.53
2:F:347:LEU:CD1	2:F:347:LEU:H	2.21	0.53
1:A:207:THR:HG21	1:A:812:MET:CB	2.38	0.53
1:A:235:TRP:CD1	1:A:235:TRP:C	2.85	0.53
1:A:247:LEU:HG	1:A:248:GLU:N	2.12	0.53
1:A:422:VAL:O	1:A:423:THR:C	2.49	0.53
1:A:743:ASP:HB2	1:A:744:ILE:HD13	1.91	0.53
1:A:831:TYR:HB2	1:A:837:TYR:OH	2.09	0.53
1:A:849:THR:HB	1:A:852:ARG:H	1.73	0.53
1:A:1019:TRP:O	1:A:1020:ILE:CG2	2.56	0.53
1:A:1124:ALA:CA	1:A:1148:ARG:HH12	2.21	0.53
1:A:1200:PRO:O	1:A:1201:SER:C	2.51	0.53
2:C:134:LYS:CB	2:C:180:LYS:HE2	2.38	0.53
2:C:272:ASN:CA	2:C:292:ASN:ND2	2.72	0.53
2:C:376:PRO:HG3	2:C:482:ALA:CB	2.31	0.53
2:C:403:PHE:CD1	2:C:415:PRO:HG3	2.43	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:104:VAL:HG12	1:D:105:GLU:N	2.24	0.53
1:D:308:GLN:HE22	1:D:1027:LYS:NZ	2.06	0.53
1:D:441:TRP:CD1	1:D:878:VAL:O	2.61	0.53
1:D:576:LEU:HD22	2:F:481:SER:HB2	1.89	0.53
1:D:850:ILE:HG12	1:D:851:THR:H	1.73	0.53
1:D:993:ARG:C	1:D:993:ARG:HD3	2.34	0.53
1:D:1141:VAL:O	1:D:1142:ARG:C	2.52	0.53
1:D:1155:ILE:O	1:D:1156:THR:C	2.52	0.53
2:E:299:LEU:HD23	2:E:300:ILE:N	2.24	0.53
2:E:389:ARG:HE	2:E:390:GLY:H	1.48	0.53
2:E:400:GLN:CA	2:E:403:PHE:HB3	2.38	0.53
2:E:407:LEU:C	2:E:409:ASN:N	2.67	0.53
2:F:86:LEU:O	2:F:87:SER:O	2.26	0.53
1:A:286:GLY:O	1:A:287:SER:CB	2.56	0.53
1:A:355:SER:O	1:A:407:PHE:HZ	1.92	0.53
1:A:513:LEU:O	1:A:568:GLY:HA3	2.09	0.53
1:A:563:PRO:C	1:A:564:GLN:NE2	2.60	0.53
1:A:596:MET:O	1:A:597:ARG:C	2.51	0.53
1:A:659:HIS:ND1	1:A:716:PRO:CA	2.71	0.53
1:A:843:GLN:O	1:A:856:GLU:HG2	2.08	0.53
1:A:944:GLU:HG2	1:A:947:LYS:HZ2	1.73	0.53
1:A:1019:TRP:CH2	1:A:1163:MET:HG2	2.43	0.53
1:A:1026:ARG:HG2	1:A:1029:GLN:CD	2.33	0.53
1:A:1208:ARG:O	2:C:253:ASP:OD2	2.26	0.53
1:A:1219:ASP:C	1:A:1220:ILE:HD12	2.34	0.53
2:B:67:GLU:CG	2:B:69:LEU:HG	2.39	0.53
2:B:235:THR:OG1	2:B:343:ASP:N	2.41	0.53
2:B:418:LEU:O	2:B:419:GLU:C	2.50	0.53
2:B:451:GLY:O	2:B:468:ILE:HG22	2.09	0.53
1:D:145:LYS:HB3	1:D:1118:TRP:HH2	1.73	0.53
1:D:438:ASN:N	1:D:441:TRP:HD1	2.00	0.53
1:D:449:GLN:CA	1:D:452:TYR:HE2	2.13	0.53
1:D:588:GLY:HA3	1:D:806:LYS:HE3	1.90	0.53
1:D:1008:LEU:C	1:D:1011:PRO:CD	2.79	0.53
1:D:1143:GLU:O	1:D:1146:ARG:CG	2.54	0.53
2:E:69:LEU:O	2:E:70:LEU:C	2.50	0.53
2:E:101:PRO:HG3	2:F:128:VAL:HG21	1.90	0.53
2:E:132:HIS:HB2	2:F:233:GLU:OE1	2.08	0.53
2:E:332:VAL:N	2:E:333:PRO:HD3	2.23	0.53
2:F:440:THR:O	2:F:457:SER:CB	2.54	0.53
2:F:459:ASP:C	2:F:460:THR:HG22	2.34	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:202:CYS:SG	1:A:210:THR:CG2	2.94	0.53
1:A:371:LYS:CG	1:A:372:GLU:HG2	2.39	0.53
1:A:484:TRP:C	1:A:488:LEU:HG	2.33	0.53
1:A:594:LEU:N	1:A:594:LEU:CD2	2.72	0.53
1:A:606:THR:HG21	1:A:613:HIS:H	1.69	0.53
1:A:646:VAL:HG13	1:A:646:VAL:O	2.09	0.53
1:A:950:ASN:O	1:A:953:ARG:N	2.41	0.53
1:A:1100:VAL:HG12	1:A:1101:VAL:N	2.24	0.53
1:A:1115:ALA:O	1:A:1119:LEU:HG	2.08	0.53
1:A:1198:LYS:CG	1:A:1204:THR:CG2	2.80	0.53
2:B:189:ALA:HB1	2:B:208:LEU:HD21	1.91	0.53
2:B:217:PRO:HB3	2:B:232:GLY:H	1.74	0.53
2:C:72:ILE:HG23	2:C:76:ARG:HD2	1.91	0.53
2:C:82:SER:O	2:C:83:LYS:HG3	2.09	0.53
2:C:114:TRP:NE1	2:C:259:ARG:CZ	2.70	0.53
2:C:208:LEU:HD12	2:C:208:LEU:N	2.24	0.53
1:D:249:VAL:HG22	1:D:250:PRO:N	2.24	0.53
1:D:345:TRP:HA	1:D:1040:LYS:HZ2	1.71	0.53
1:D:389:PHE:HD1	1:D:389:PHE:C	2.16	0.53
1:D:525:MET:C	1:D:526:ASP:CG	2.77	0.53
1:D:549:LEU:O	1:D:553:LYS:HG3	2.08	0.53
1:D:808:ILE:O	1:D:811:GLN:HB3	2.08	0.53
1:D:920:THR:CG2	1:D:922:GLN:CD	2.82	0.53
1:D:973:LEU:O	1:D:977:GLU:HG3	2.09	0.53
1:D:1014:ARG:HG2	1:D:1026:ARG:NE	2.18	0.53
1:D:1019:TRP:CD1	1:D:1020:ILE:N	2.76	0.53
2:E:400:GLN:O	2:E:402:LEU:N	2.42	0.53
2:E:448:LEU:O	2:E:449:GLU:C	2.52	0.53
2:F:126:PHE:C	2:F:128:VAL:N	2.59	0.53
2:F:131:LEU:CG	2:F:133:HIS:CE1	2.82	0.53
1:A:211:LEU:HD11	1:A:221:TYR:HB3	1.89	0.53
1:A:254:SER:O	1:A:255:SER:HB2	2.08	0.53
1:A:400:VAL:C	1:A:403:THR:HG23	2.33	0.53
1:A:451:THR:OG1	1:A:1202:ASN:OD1	2.27	0.53
1:A:869:ARG:C	1:A:1200:PRO:CA	2.78	0.53
1:A:914:THR:O	1:A:915:ALA:HB2	2.09	0.53
2:B:190:LEU:HB3	2:B:315:TYR:OH	2.08	0.53
2:C:236:GLU:CA	2:C:341:ASP:CG	2.82	0.53
2:C:285:LYS:NZ	2:C:285:LYS:CB	2.71	0.53
1:D:152:GLU:HA	1:D:155:ASN:HD22	1.74	0.53
1:D:255:SER:OG	1:D:257:THR:N	2.41	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:369:LEU:CB	1:D:372:GLU:HB2	2.39	0.53
1:D:472:GLN:O	1:D:474:LEU:O	2.27	0.53
1:D:493:GLN:O	1:D:494:GLU:CG	2.53	0.53
1:D:967:MET:SD	1:D:975:GLN:N	2.82	0.53
1:D:993:ARG:NE	1:D:994:TRP:HB2	2.24	0.53
1:D:1196:ASP:HB2	1:D:1204:THR:HG22	1.91	0.53
2:E:96:HIS:O	2:E:96:HIS:HD2	1.92	0.53
2:E:116:THR:O	2:E:118:VAL:N	2.41	0.53
2:E:311:LEU:O	2:E:315:TYR:N	2.42	0.53
2:E:346:MET:SD	2:E:346:MET:C	2.91	0.53
2:E:347:LEU:C	2:E:350:LEU:HB3	2.34	0.53
2:E:424:SER:OG	2:E:425:LEU:N	2.42	0.53
2:F:206:TYR:CE1	2:F:208:LEU:HD23	2.43	0.53
2:F:241:TRP:CE3	2:F:336:LEU:HD12	2.44	0.53
2:F:243:THR:HB	2:F:247:THR:OG1	2.08	0.53
2:F:348:ALA:O	2:F:351:TYR:HB2	2.07	0.53
2:F:348:ALA:O	2:F:351:TYR:CB	2.56	0.53
2:F:403:PHE:CD1	2:F:415:PRO:HG3	2.44	0.53
2:F:442:LEU:HB2	2:F:455:LEU:HD22	1.91	0.53
1:A:213:VAL:CG1	1:A:397:ALA:CB	2.84	0.53
1:A:653:GLU:CA	1:A:656:TYR:CZ	2.88	0.53
1:A:658:LYS:CB	1:A:713:PRO:O	2.57	0.53
1:A:812:MET:CG	1:A:813:VAL:H	2.21	0.53
1:A:1011:PRO:CD	1:A:1012:VAL:N	2.65	0.53
1:A:1143:GLU:O	1:A:1146:ARG:CB	2.57	0.53
2:B:69:LEU:CD1	2:B:73:CYS:SG	2.97	0.53
2:B:74:GLN:HB2	2:B:77:HIS:CD2	2.43	0.53
2:B:76:ARG:HH21	2:B:431:LYS:HG3	1.73	0.53
2:B:110:LEU:O	2:B:111:ALA:C	2.52	0.53
2:B:301:GLU:HG2	2:B:303:LEU:CD1	2.39	0.53
2:C:131:LEU:HB3	2:C:133:HIS:CG	2.44	0.53
2:C:353:SER:HG	2:C:354:PHE:H	1.52	0.53
2:C:387:VAL:HG13	2:C:399:CYS:HB2	1.90	0.53
2:C:414:TRP:O	2:C:414:TRP:CD1	2.62	0.53
1:D:168:ALA:O	1:D:169:TRP:C	2.52	0.53
1:D:195:LEU:O	1:D:267:VAL:HG12	2.09	0.53
1:D:305:SER:OG	1:D:1099:TRP:NE1	2.42	0.53
1:D:312:TRP:HE3	1:D:316:LYS:CD	2.22	0.53
1:D:604:ALA:HA	1:D:613:HIS:NE2	2.20	0.53
1:D:618:HIS:HA	1:D:762:VAL:HG22	1.91	0.53
1:D:620:TRP:CZ2	1:D:751:LYS:HD3	2.44	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1174:PRO:HB2	1:D:1177:VAL:CG2	2.39	0.53
1:D:1232:GLU:CB	1:D:1234:ARG:HB2	2.39	0.53
2:E:247:THR:HB	2:E:251:TRP:CD1	2.42	0.53
2:E:389:ARG:NH2	2:E:391:PRO:C	2.67	0.53
2:F:243:THR:CG2	2:F:247:THR:OG1	2.57	0.53
2:F:456:ARG:NE	2:F:456:ARG:N	2.56	0.53
1:A:107:LEU:O	1:A:111:GLY:N	2.41	0.53
1:A:129:PRO:O	1:A:130:LEU:HD12	2.09	0.53
1:A:235:TRP:CD1	1:A:236:THR:OG1	2.62	0.53
1:A:354:ASN:O	1:A:355:SER:HB2	2.08	0.53
1:A:545:ALA:HB1	2:C:400:GLN:OE1	2.09	0.53
1:A:815:TRP:HE3	1:A:838:GLY:N	2.07	0.53
1:A:821:LEU:HD13	1:A:825:VAL:CG1	2.39	0.53
1:A:887:VAL:HA	1:A:1146:ARG:HH12	1.74	0.53
1:A:949:PHE:O	1:A:953:ARG:N	2.42	0.53
1:A:992:LEU:CD1	1:A:993:ARG:N	2.66	0.53
1:A:1131:ILE:HG12	1:A:1132:SER:N	2.24	0.53
1:A:1164:PHE:HB3	1:A:1168:LEU:HD12	1.91	0.53
1:A:1224:ILE:HD12	1:A:1224:ILE:C	2.33	0.53
2:B:69:LEU:HA	2:B:72:ILE:CD1	2.39	0.53
2:B:72:ILE:HD12	2:B:372:LEU:HD21	1.90	0.53
2:B:105:GLU:HB3	2:B:380:PRO:CB	2.33	0.53
2:C:273:PHE:CE1	2:C:291:TYR:CD1	2.92	0.53
2:C:359:ASN:O	2:C:360:SER:HB2	2.07	0.53
1:D:172:ALA:O	1:D:173:GLU:HB2	2.09	0.53
1:D:243:ASP:O	1:D:246:PRO:HD2	2.08	0.53
1:D:271:VAL:N	1:D:274:ASP:OD2	2.42	0.53
1:D:293:ASP:C	1:D:296:SER:HB3	2.34	0.53
1:D:472:GLN:HB3	2:F:461:THR:HG23	1.90	0.53
1:D:491:ASP:OD2	1:D:578:PRO:CB	2.56	0.53
1:D:608:ASP:N	1:D:620:TRP:CZ3	2.77	0.53
1:D:630:ASN:C	1:D:630:ASN:ND2	2.67	0.53
1:D:827:ARG:HD3	1:D:828:HIS:CA	2.38	0.53
1:D:920:THR:HG21	1:D:922:GLN:OE1	2.10	0.53
1:D:1138:ARG:HH22	1:D:1191:LYS:HE3	1.73	0.53
1:D:1210:TYR:HH	1:D:1212:ILE:HB	1.71	0.53
2:E:389:ARG:CA	2:E:395:LEU:HG	2.39	0.53
2:E:429:TYR:C	2:E:431:LYS:N	2.64	0.53
2:F:88:ARG:NH1	2:F:88:ARG:CB	2.72	0.53
2:F:207:GLY:HA2	2:F:240:VAL:O	2.08	0.53
2:F:245:PRO:C	2:F:248:SER:HB2	2.32	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:360:SER:HA	2:F:363:ARG:HG3	1.91	0.53
1:A:80:SER:OG	1:A:125:LEU:CD1	2.56	0.52
1:A:175:TRP:HB3	1:A:184:ALA:HA	1.90	0.52
1:A:308:GLN:HB3	1:A:1090:GLU:CG	2.38	0.52
1:A:353:VAL:HG22	1:A:354:ASN:N	2.23	0.52
1:A:424:LEU:HD23	1:A:424:LEU:H	1.69	0.52
1:A:445:LEU:C	1:A:448:ALA:HB3	2.33	0.52
1:A:515:ILE:CG2	1:A:516:GLU:H	2.08	0.52
1:A:633:LYS:O	1:A:634:LEU:HD13	2.10	0.52
1:A:645:VAL:HG12	1:A:646:VAL:N	2.22	0.52
1:A:662:GLU:O	1:A:666:GLN:HB2	2.08	0.52
1:A:770:PHE:O	1:A:773:LYS:HB2	2.09	0.52
1:A:807:ARG:C	1:A:810:SER:OG	2.53	0.52
1:A:829:PRO:O	1:A:830:ASP:CB	2.56	0.52
1:A:1026:ARG:O	1:A:1030:ARG:CA	2.57	0.52
1:A:1133:ILE:O	1:A:1136:GLU:N	2.37	0.52
1:A:1157:ASN:HA	1:A:1160:THR:OG1	2.08	0.52
1:A:1169:GLY:C	1:A:1170:LEU:HD12	2.34	0.52
1:A:1206:MET:O	1:A:1207:GLU:HB2	2.09	0.52
1:A:1206:MET:H	1:A:1209:ARG:HB2	1.72	0.52
2:B:123:GLU:OE2	2:B:126:PHE:CE2	2.62	0.52
2:C:415:PRO:CB	2:C:417:TYR:CE2	2.90	0.52
1:D:224:CYS:SG	1:D:228:LEU:HD22	2.48	0.52
1:D:275:ARG:HH11	1:D:843:GLN:HE21	1.48	0.52
1:D:279:ARG:NH2	1:D:433:SER:HB3	2.25	0.52
1:D:404:HIS:O	1:D:408:GLN:HB2	2.09	0.52
1:D:795:ASN:HA	1:D:798:ILE:HG12	1.91	0.52
1:D:836:LEU:O	1:D:837:TYR:HD2	1.93	0.52
1:D:944:GLU:CG	1:D:1071:ARG:NH1	2.71	0.52
1:D:1207:GLU:C	1:D:1210:TYR:CD2	2.86	0.52
2:E:115:TRP:CH2	2:E:127:PRO:HB3	2.44	0.52
2:E:431:LYS:CG	2:E:432:TYR:N	2.72	0.52
2:F:127:PRO:O	2:F:192:HIS:CD2	2.62	0.52
2:F:196:CYS:HB3	2:F:206:TYR:OH	2.09	0.52
2:F:454:HIS:CD2	2:F:468:ILE:CA	2.83	0.52
1:A:203:LEU:HD12	1:A:380:GLY:CA	2.39	0.52
1:A:308:GLN:HB3	1:A:1090:GLU:CA	2.37	0.52
1:A:813:VAL:HG11	1:A:815:TRP:CH2	2.44	0.52
1:A:893:SER:OG	1:A:896:LEU:HB2	2.09	0.52
1:A:1072:THR:N	1:A:1073:PRO:CD	2.72	0.52
1:A:1109:LEU:HD11	1:A:1137:VAL:HG21	1.91	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1193:VAL:CG2	1:A:1194:THR:H	2.21	0.52
2:B:180:LYS:HG3	2:B:181:LEU:H	1.73	0.52
2:C:190:LEU:O	2:C:193:TYR:CB	2.51	0.52
1:D:100:VAL:O	1:D:103:SER:OG	2.23	0.52
1:D:101:ARG:O	1:D:102:ARG:C	2.52	0.52
1:D:206:GLY:CA	1:D:245:ILE:CG2	2.84	0.52
1:D:598:VAL:O	1:D:601:LYS:HD3	2.09	0.52
1:D:601:LYS:NZ	1:D:616:GLU:OE2	2.39	0.52
1:D:607:TRP:O	1:D:608:ASP:CG	2.51	0.52
1:D:632:ALA:CB	1:D:657:ARG:CD	2.87	0.52
1:D:732:TYR:CE1	1:D:755:LYS:HG3	2.44	0.52
1:D:823:ARG:O	1:D:827:ARG:HB3	2.10	0.52
1:D:851:THR:HG21	1:D:853:ARG:HD3	1.89	0.52
1:D:1138:ARG:HH21	1:D:1191:LYS:HZ3	1.58	0.52
2:E:78:PHE:CE1	2:E:350:LEU:HD12	2.44	0.52
2:E:94:GLY:O	2:E:96:HIS:NE2	2.41	0.52
2:F:81:GLY:O	2:F:86:LEU:HD21	2.09	0.52
2:F:86:LEU:O	2:F:87:SER:C	2.51	0.52
2:F:129:ASP:OD1	2:F:131:LEU:CD1	2.57	0.52
2:F:196:CYS:CB	2:F:206:TYR:OH	2.56	0.52
2:F:336:LEU:HD23	2:F:337:SER:CA	2.38	0.52
2:F:372:LEU:HD12	2:F:373:LYS:N	2.25	0.52
1:A:133:ASP:O	1:A:137:GLN:HB3	2.10	0.52
1:A:192:GLU:HB2	1:A:217:PRO:HD2	1.91	0.52
1:A:227:ARG:HH11	1:A:382:MET:HE2	1.73	0.52
1:A:526:ASP:OD2	1:A:526:ASP:C	2.52	0.52
1:A:652:ILE:HA	1:A:655:LEU:HG	1.88	0.52
1:A:787:SER:O	1:A:790:ARG:HB2	2.09	0.52
1:A:850:ILE:HG12	1:A:1099:TRP:HE1	1.72	0.52
1:A:1002:GLU:C	1:A:1005:VAL:HG22	2.34	0.52
1:A:1004:LEU:O	1:A:1008:LEU:HB3	2.09	0.52
1:A:1116:MET:HE3	1:A:1152:ALA:HB1	1.90	0.52
2:B:196:CYS:O	2:B:197:LEU:C	2.53	0.52
2:B:303:LEU:HA	2:B:337:SER:O	2.10	0.52
2:B:435:MET:O	2:B:436:SER:C	2.51	0.52
2:C:82:SER:O	2:C:83:LYS:CG	2.57	0.52
2:C:258:HIS:CA	2:C:261:GLN:OE1	2.56	0.52
1:D:79:LEU:HD11	1:D:1173:LEU:C	2.33	0.52
1:D:79:LEU:HB3	1:D:83:LEU:CD1	2.40	0.52
1:D:128:PRO:HA	1:D:130:LEU:CG	2.37	0.52
1:D:134:ASN:O	1:D:137:GLN:N	2.42	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:195:LEU:H	1:D:265:LEU:CD1	2.22	0.52
1:D:247:LEU:HA	1:D:815:TRP:HD1	1.71	0.52
1:D:271:VAL:HG22	1:D:295:MET:HG3	1.92	0.52
1:D:312:TRP:CB	1:D:316:LYS:HD3	2.40	0.52
1:D:370:GLU:HB2	1:D:399:ASP:OD2	2.09	0.52
1:D:735:GLY:HA3	1:D:749:PHE:CG	2.44	0.52
1:D:757:GLY:O	1:D:758:ASN:CB	2.57	0.52
1:D:801:TRP:CE3	1:D:870:VAL:HG12	2.42	0.52
1:D:1014:ARG:HG2	1:D:1026:ARG:CG	2.39	0.52
1:D:1133:ILE:CB	1:D:1136:GLU:HB2	2.12	0.52
2:E:104:VAL:HG21	2:F:128:VAL:O	2.09	0.52
2:E:188:GLY:O	2:E:191:GLU:CG	2.54	0.52
2:E:248:SER:O	2:E:251:TRP:N	2.42	0.52
2:E:331:VAL:HG22	2:E:333:PRO:CD	2.28	0.52
2:E:349:TYR:O	2:E:374:LEU:HD21	2.09	0.52
2:E:373:LYS:HG2	2:E:374:LEU:N	2.24	0.52
2:F:80:SER:H	2:F:99:PHE:CA	2.22	0.52
2:F:114:TRP:HB2	2:F:262:TRP:CH2	2.43	0.52
2:F:402:LEU:C	2:F:406:LEU:HD22	2.35	0.52
2:F:442:LEU:O	2:F:455:LEU:HD11	2.10	0.52
1:A:258:GLN:N	1:A:258:GLN:CD	2.67	0.52
1:A:302:SER:O	1:A:351:SER:HB2	2.09	0.52
1:A:392:LEU:HD22	1:A:393:MET:HE1	1.92	0.52
1:A:455:LEU:HD12	1:A:798:ILE:CG2	2.39	0.52
1:A:462:SER:O	1:A:463:LEU:C	2.52	0.52
1:A:491:ASP:OD1	1:A:491:ASP:N	2.41	0.52
1:A:553:LYS:CD	2:C:468:ILE:CG2	2.87	0.52
1:A:616:GLU:CG	1:A:724:GLY:HA3	2.39	0.52
1:A:624:VAL:O	1:A:624:VAL:HG23	2.09	0.52
1:A:949:PHE:HD2	1:A:949:PHE:N	2.07	0.52
1:A:972:ARG:C	1:A:974:THR:N	2.66	0.52
1:A:1200:PRO:CB	1:A:1203:PRO:HD2	2.40	0.52
2:B:72:ILE:C	2:B:75:ARG:HG3	2.33	0.52
2:B:453:ILE:HD11	2:B:466:MET:HE2	1.91	0.52
2:C:80:SER:H	2:C:99:PHE:CA	2.23	0.52
2:C:88:ARG:HB2	2:C:88:ARG:HH11	1.74	0.52
2:C:199:LEU:HD12	2:C:200:VAL:H	1.75	0.52
2:C:304:TRP:N	2:C:304:TRP:CD1	2.77	0.52
1:D:192:GLU:HA	1:D:195:LEU:HD11	1.92	0.52
1:D:239:LEU:CA	1:D:242:ALA:HB3	2.39	0.52
1:D:424:LEU:HA	1:D:427:MET:SD	2.49	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:457:ARG:O	1:D:461:LYS:CD	2.57	0.52
1:D:485:LEU:HD12	1:D:489:GLU:CD	2.34	0.52
1:D:571:GLY:O	1:D:572:TRP:HB2	2.08	0.52
1:D:794:ILE:HA	1:D:797:MET:SD	2.49	0.52
1:D:897:TRP:HH2	1:D:1173:LEU:HB3	1.74	0.52
1:D:959:GLN:NE2	1:D:983:GLN:HE22	2.08	0.52
1:D:996:ARG:NE	1:D:996:ARG:O	2.34	0.52
1:D:1014:ARG:HG2	1:D:1026:ARG:HG2	1.90	0.52
1:D:1221:TYR:O	1:D:1225:GLU:N	2.34	0.52
2:E:90:SER:O	2:E:94:GLY:N	2.42	0.52
2:E:109:ASN:HB2	2:E:378:LEU:HB3	1.91	0.52
2:E:119:VAL:HG23	2:E:120:VAL:N	2.24	0.52
2:E:254:PHE:CA	2:E:257:ARG:HB3	2.24	0.52
2:E:389:ARG:HH21	2:E:390:GLY:C	2.17	0.52
2:E:420:THR:HG23	2:E:421:MET:N	2.17	0.52
2:F:114:TRP:NE1	2:F:259:ARG:HH22	2.04	0.52
1:A:468:ASN:O	1:A:469:ASP:C	2.52	0.52
1:A:792:LEU:C	1:A:796:LYS:HD3	2.35	0.52
1:A:1131:ILE:CG2	1:A:1138:ARG:H	2.20	0.52
1:A:1164:PHE:CD2	1:A:1168:LEU:HD11	2.43	0.52
2:B:104:VAL:CG2	2:C:128:VAL:HG22	2.39	0.52
2:B:217:PRO:HB2	2:B:231:ILE:CB	2.39	0.52
2:B:305:ASN:C	2:B:307:GLY:H	2.17	0.52
2:C:239:LEU:C	2:C:338:VAL:CG1	2.82	0.52
2:C:405:GLU:OE1	2:C:405:GLU:C	2.53	0.52
1:D:97:GLU:C	1:D:101:ARG:HG3	2.35	0.52
1:D:116:PRO:HA	1:D:921:LEU:CD1	2.35	0.52
1:D:120:LEU:H	1:D:120:LEU:CD2	2.21	0.52
1:D:151:LEU:O	1:D:154:ALA:N	2.41	0.52
1:D:162:LEU:C	1:D:162:LEU:HD12	2.34	0.52
1:D:217:PRO:O	1:D:218:SER:CB	2.57	0.52
1:D:223:TRP:HZ3	1:D:250:PRO:HB3	1.74	0.52
1:D:248:GLU:HB3	1:D:249:VAL:CB	2.38	0.52
1:D:427:MET:HB2	1:D:846:THR:HG21	1.91	0.52
1:D:490:TRP:CZ2	1:D:598:VAL:CB	2.84	0.52
1:D:504:LYS:CE	1:D:525:MET:HE3	2.39	0.52
1:D:509:THR:OG1	1:D:512:LYS:O	2.20	0.52
1:D:630:ASN:HD22	1:D:631:LEU:N	2.08	0.52
1:D:638:THR:HG23	1:D:641:GLU:OE1	2.09	0.52
1:D:664:GLY:O	1:D:667:GLN:HG3	2.10	0.52
1:D:808:ILE:HG21	1:D:874:LEU:CD2	2.40	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1007:GLU:C	1:D:1011:PRO:HD3	2.34	0.52
1:D:1174:PRO:HB2	1:D:1177:VAL:HG21	1.91	0.52
1:D:1206:MET:CE	2:F:257:ARG:NH1	2.73	0.52
2:E:186:LEU:O	2:E:187:HIS:C	2.51	0.52
2:E:201:ASN:OD1	2:F:422:GLN:OE1	2.26	0.52
2:E:290:TYR:HA	2:E:298:GLU:O	2.10	0.52
2:E:371:VAL:HG13	2:E:372:LEU:H	1.74	0.52
2:E:425:LEU:C	2:E:428:LEU:HD11	2.34	0.52
2:F:266:PHE:HD1	2:F:378:LEU:CD1	2.22	0.52
1:A:80:SER:OG	1:A:125:LEU:CD2	2.57	0.52
1:A:83:LEU:HD13	1:A:89:GLY:HA3	1.92	0.52
1:A:214:ALA:HB2	1:A:219:ALA:HB3	1.90	0.52
1:A:372:GLU:C	1:A:374:ARG:O	2.52	0.52
1:A:374:ARG:C	1:A:376:LEU:H	2.17	0.52
1:A:392:LEU:HG	1:A:395:TYR:HB2	1.90	0.52
1:A:414:PHE:O	1:A:417:ARG:HB3	2.09	0.52
1:A:437:VAL:N	1:A:878:VAL:O	2.42	0.52
1:A:454:GLU:C	1:A:458:GLU:HG3	2.34	0.52
1:A:783:PRO:HG2	2:C:363:ARG:NE	2.25	0.52
1:A:995:TYR:O	1:A:996:ARG:HG3	2.10	0.52
1:A:1225:GLU:O	1:A:1228:LYS:HG2	2.10	0.52
2:B:76:ARG:NH2	2:B:431:LYS:HB2	2.24	0.52
2:B:114:TRP:N	2:B:262:TRP:CZ2	2.77	0.52
2:B:311:LEU:HB2	2:B:315:TYR:HD2	1.75	0.52
2:B:342:LEU:O	2:B:344:ARG:N	2.43	0.52
2:C:125:VAL:HG13	2:C:206:TYR:HD1	1.74	0.52
2:C:193:TYR:CD1	2:C:242:PHE:CD2	2.97	0.52
2:C:307:GLY:N	2:C:335:VAL:CG1	2.73	0.52
2:C:342:LEU:HD23	2:C:342:LEU:C	2.35	0.52
2:C:395:LEU:HD21	2:C:443:VAL:C	2.34	0.52
2:C:398:VAL:O	2:C:402:LEU:N	2.42	0.52
1:D:87:ILE:HD11	1:D:135:LEU:HD13	1.91	0.52
1:D:345:TRP:CA	1:D:1040:LYS:NZ	2.63	0.52
1:D:452:TYR:CD2	1:D:801:TRP:NE1	2.76	0.52
1:D:462:SER:O	1:D:466:LEU:CD2	2.56	0.52
1:D:584:ALA:O	1:D:585:TRP:HE3	1.92	0.52
1:D:597:ARG:CG	1:D:617:ARG:HD2	2.40	0.52
1:D:618:HIS:CB	1:D:725:PRO:HB2	2.39	0.52
1:D:624:VAL:C	1:D:745:PRO:O	2.52	0.52
1:D:722:ARG:HH11	1:D:722:ARG:CG	2.23	0.52
1:D:823:ARG:CZ	1:D:824:ALA:CB	2.88	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:840:ILE:O	1:D:841:LEU:HD23	2.09	0.52
1:D:846:THR:O	1:D:847:ALA:C	2.52	0.52
1:D:851:THR:CG2	1:D:851:THR:O	2.57	0.52
1:D:891:VAL:CG1	1:D:1135:ASP:C	2.62	0.52
1:D:988:ALA:O	1:D:998:SER:OG	2.21	0.52
2:E:120:VAL:HG22	2:F:407:LEU:HG	1.91	0.52
2:E:382:LYS:HE2	2:E:412:SER:C	2.23	0.52
2:F:219:PHE:O	2:F:220:ASP:C	2.50	0.52
2:F:376:PRO:CG	2:F:482:ALA:HB1	2.39	0.52
1:A:77:GLN:OE1	1:A:1174:PRO:HB2	2.10	0.52
1:A:157:LEU:HD21	1:A:216:SER:CB	2.40	0.52
1:A:188:ALA:O	1:A:189:ILE:CB	2.56	0.52
1:A:404:HIS:O	1:A:408:GLN:HB2	2.10	0.52
1:A:437:VAL:CG1	1:A:438:ASN:N	2.72	0.52
1:A:583:PRO:C	1:A:585:TRP:H	2.14	0.52
1:A:734:HIS:HA	1:A:752:LEU:CD1	2.39	0.52
1:A:749:PHE:N	1:A:749:PHE:CD1	2.77	0.52
1:A:801:TRP:O	1:A:802:ARG:C	2.50	0.52
1:A:1037:GLN:O	1:A:1039:LYS:N	2.42	0.52
1:A:1131:ILE:CG1	1:A:1137:VAL:HA	2.40	0.52
2:B:436:SER:OG	2:B:458:ARG:NH1	2.43	0.52
2:B:475:LEU:O	2:B:476:ILE:C	2.51	0.52
2:C:107:ARG:HG2	2:C:107:ARG:HH11	1.75	0.52
2:C:246:ARG:HD3	2:C:246:ARG:N	2.24	0.52
2:C:294:PRO:HG3	2:C:355:GLN:HE21	1.74	0.52
2:C:351:TYR:CD1	2:C:355:GLN:HA	2.43	0.52
2:C:425:LEU:HD11	2:C:429:TYR:CZ	2.45	0.52
1:D:85:GLU:OE2	1:D:130:LEU:HD22	2.08	0.52
1:D:194:ALA:HA	1:D:265:LEU:HB3	1.90	0.52
1:D:279:ARG:HH11	1:D:841:LEU:HB3	1.75	0.52
1:D:281:GLN:HE21	1:D:287:SER:HB2	1.75	0.52
1:D:598:VAL:HG12	1:D:602:LEU:CD1	2.40	0.52
1:D:601:LYS:HG2	1:D:721:ALA:CA	2.40	0.52
1:D:605:LEU:O	1:D:781:ALA:CA	2.50	0.52
1:D:633:LYS:HB3	1:D:638:THR:CG2	2.40	0.52
1:D:775:GLU:CG	1:D:780:GLN:CG	2.86	0.52
1:D:1008:LEU:C	1:D:1008:LEU:CD2	2.82	0.52
1:D:1171:ASN:OD1	1:D:1171:ASN:N	2.41	0.52
1:D:1207:GLU:CA	1:D:1210:TYR:HB3	2.23	0.52
1:D:1208:ARG:NH1	2:F:285:LYS:HE2	2.24	0.52
2:E:425:LEU:CA	2:E:428:LEU:HD11	2.39	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:456:ARG:CG	2:E:457:SER:H	2.23	0.52
2:F:204:LEU:O	2:F:205:PRO:C	2.53	0.52
2:F:219:PHE:HE2	2:F:228:VAL:C	2.17	0.52
2:F:256:LEU:O	2:F:257:ARG:O	2.27	0.52
2:F:369:ARG:HD2	2:F:369:ARG:H	1.75	0.52
2:F:418:LEU:HD11	2:F:421:MET:SD	2.49	0.52
2:F:446:THR:HA	2:F:450:ASN:H	1.73	0.52
1:A:253:ALA:O	1:A:256:PRO:O	2.27	0.52
1:A:308:GLN:CB	1:A:1090:GLU:HG3	2.39	0.52
1:A:503:VAL:HG21	1:A:521:PRO:C	2.35	0.52
1:A:732:TYR:CE1	1:A:755:LYS:CB	2.87	0.52
1:A:784:GLY:HA3	2:C:362:THR:O	2.10	0.52
1:A:973:LEU:N	1:A:973:LEU:HD23	2.25	0.52
1:A:1020:ILE:O	1:A:1021:SER:HB2	2.08	0.52
1:A:1066:THR:CB	1:A:1071:ARG:HA	2.40	0.52
2:B:196:CYS:O	2:B:199:LEU:CB	2.57	0.52
2:B:261:GLN:HA	2:B:264:ARG:HG3	1.90	0.52
2:B:311:LEU:HG	2:B:312:LEU:HD13	1.91	0.52
2:B:318:ASN:O	2:B:321:LYS:HG2	2.10	0.52
2:B:383:VAL:O	2:B:413:VAL:HA	2.10	0.52
2:C:82:SER:O	2:C:83:LYS:HB2	2.10	0.52
2:C:130:ALA:CB	2:C:182:ARG:HH12	2.21	0.52
2:C:196:CYS:HB2	2:C:206:TYR:OH	2.09	0.52
2:C:466:MET:SD	2:C:471:LEU:CD2	2.89	0.52
1:D:163:PRO:C	1:D:165:LYS:N	2.64	0.52
1:D:275:ARG:CG	1:D:843:GLN:H	2.23	0.52
1:D:286:GLY:O	1:D:287:SER:OG	2.27	0.52
1:D:299:MET:O	1:D:303:GLY:N	2.36	0.52
1:D:454:GLU:O	1:D:458:GLU:HG3	2.09	0.52
1:D:491:ASP:N	1:D:491:ASP:OD1	2.43	0.52
1:D:502:LYS:HD2	1:D:506:GLU:CB	2.39	0.52
1:D:597:ARG:CB	1:D:616:GLU:OE1	2.57	0.52
1:D:1024:ASP:C	1:D:1026:ARG:H	2.18	0.52
2:E:461:THR:O	2:E:462:MET:HE2	2.10	0.52
2:F:305:ASN:C	2:F:307:GLY:N	2.68	0.52
1:A:80:SER:HG	1:A:81:ARG:H	1.57	0.52
1:A:293:ASP:HB2	1:A:296:SER:CB	2.40	0.52
1:A:509:THR:HG21	1:A:513:LEU:CD2	2.39	0.52
1:A:553:LYS:CD	2:C:468:ILE:HG21	2.39	0.52
1:A:620:TRP:C	1:A:748:TRP:HB2	2.35	0.52
1:A:1095:SER:HA	1:A:1099:TRP:CZ3	2.45	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1196:ASP:C	1:A:1196:ASP:OD2	2.52	0.52
2:B:125:VAL:HG13	2:B:207:GLY:O	2.09	0.52
2:B:249:ASN:O	2:B:252:LEU:CB	2.58	0.52
2:C:146:ARG:HB2	2:C:228:VAL:HG11	1.91	0.52
2:C:327:GLY:O	2:C:328:ARG:CB	2.58	0.52
2:C:395:LEU:O	2:C:397:GLN:O	2.27	0.52
1:D:220:TRP:NE1	1:D:221:TYR:CD2	2.78	0.52
1:D:312:TRP:HB3	1:D:316:LYS:HD3	1.92	0.52
1:D:374:ARG:O	1:D:378:VAL:N	2.43	0.52
1:D:500:ALA:CB	1:D:521:PRO:HD3	2.39	0.52
1:D:546:ARG:CZ	2:F:408:GLU:OE1	2.58	0.52
1:D:656:TYR:HA	1:D:659:HIS:CE1	2.44	0.52
1:D:1054:GLU:O	1:D:1058:PHE:N	2.42	0.52
1:D:1107:ASP:C	1:D:1111:LEU:HD13	2.35	0.52
2:E:328:ARG:HD2	2:E:328:ARG:H	1.70	0.52
2:E:372:LEU:CG	2:E:373:LYS:N	2.52	0.52
2:E:393:LEU:HA	2:E:396:ARG:CG	2.40	0.52
2:E:450:ASN:HB3	2:E:452:LEU:HD21	1.90	0.52
2:E:465:MET:N	2:E:465:MET:SD	2.83	0.52
2:F:118:VAL:HG12	2:F:119:VAL:N	2.25	0.52
2:F:342:LEU:HB2	2:F:344:ARG:HG3	1.87	0.52
2:F:406:LEU:HA	2:F:409:ASN:HD22	1.68	0.52
2:F:414:TRP:O	2:F:414:TRP:CD1	2.63	0.52
2:F:433:ASP:C	2:F:435:MET:N	2.61	0.52
1:A:119:PRO:C	1:A:121:PRO:HD3	2.35	0.52
1:A:192:GLU:HA	1:A:217:PRO:HG2	1.92	0.52
1:A:213:VAL:HG11	1:A:397:ALA:CB	2.40	0.52
1:A:576:LEU:HD12	1:A:577:CYS:CB	2.37	0.52
1:A:618:HIS:CD2	1:A:726:LYS:O	2.63	0.52
1:A:670:PRO:HA	1:A:673:ALA:HB3	1.91	0.52
1:A:727:ASP:O	1:A:728:THR:CB	2.56	0.52
1:A:964:ARG:O	1:A:968:GLN:HG2	2.10	0.52
1:A:1175:GLN:CG	1:A:1176:SER:N	2.71	0.52
2:C:129:ASP:O	2:C:130:ALA:CB	2.58	0.52
2:C:217:PRO:CB	2:C:219:PHE:CE1	2.90	0.52
2:C:414:TRP:O	2:C:415:PRO:C	2.50	0.52
2:C:455:LEU:CB	2:C:456:ARG:NE	2.72	0.52
2:C:463:LYS:O	2:C:465:MET:HE2	2.10	0.52
1:D:83:LEU:O	1:D:87:ILE:N	2.34	0.52
1:D:157:LEU:HG	1:D:194:ALA:CB	2.40	0.52
1:D:188:ALA:O	1:D:189:ILE:C	2.52	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:655:LEU:O	1:D:659:HIS:NE2	2.44	0.52
1:D:854:ALA:CB	1:D:860:LEU:HD13	2.36	0.52
1:D:1030:ARG:C	1:D:1032:THR:N	2.68	0.52
1:D:1129:PHE:CD2	1:D:1139:TYR:CD2	2.98	0.52
1:D:1138:ARG:NH2	1:D:1191:LYS:HE2	2.20	0.52
1:D:1203:PRO:O	1:D:1204:THR:C	2.52	0.52
2:E:280:ASP:N	2:E:280:ASP:OD1	2.42	0.52
2:F:236:GLU:HA	2:F:341:ASP:CG	2.35	0.52
2:F:294:PRO:HG3	2:F:355:GLN:HE21	1.74	0.52
2:F:311:LEU:O	2:F:312:LEU:C	2.52	0.52
2:F:342:LEU:HD23	2:F:342:LEU:O	2.09	0.52
2:F:454:HIS:CD2	2:F:468:ILE:HD12	2.45	0.52
1:A:292:LEU:HD11	1:A:428:LEU:HG	1.92	0.51
1:A:490:TRP:CZ2	1:A:596:MET:CB	2.91	0.51
1:A:726:LYS:O	1:A:727:ASP:O	2.27	0.51
1:A:1068:ASP:N	1:A:1071:ARG:CD	2.73	0.51
2:B:114:TRP:N	2:B:262:TRP:CH2	2.78	0.51
2:B:309:HIS:HB2	2:B:312:LEU:HB2	1.93	0.51
2:B:373:LYS:HE2	2:B:459:ASP:CA	2.37	0.51
2:B:392:THR:HG22	2:B:393:LEU:HG	1.91	0.51
2:C:84:GLN:C	2:C:86:LEU:N	2.67	0.51
1:D:80:SER:O	1:D:81:ARG:C	2.52	0.51
1:D:130:LEU:H	1:D:130:LEU:HD23	1.75	0.51
1:D:280:GLU:O	1:D:284:ILE:HD11	2.10	0.51
1:D:414:PHE:O	1:D:417:ARG:CB	2.56	0.51
1:D:601:LYS:HZ2	1:D:721:ALA:CA	2.24	0.51
1:D:787:SER:O	1:D:789:PRO:HD2	2.09	0.51
1:D:865:ALA:HB2	1:D:1197:CYS:SG	2.50	0.51
1:D:866:ARG:CG	1:D:1069:ILE:CG2	2.78	0.51
1:D:994:TRP:O	1:D:994:TRP:HE3	1.93	0.51
1:D:1092:PHE:O	1:D:1096:ARG:NH1	2.43	0.51
1:D:1138:ARG:CG	1:D:1138:ARG:NH1	2.63	0.51
2:E:118:VAL:HG13	2:E:119:VAL:N	2.25	0.51
2:E:130:ALA:HB3	2:E:210:GLN:OE1	2.10	0.51
2:E:205:PRO:HB3	2:E:243:THR:CA	2.36	0.51
2:E:388:GLY:O	2:E:395:LEU:HD12	2.10	0.51
2:E:443:VAL:HA	2:E:453:ILE:CG2	2.40	0.51
2:F:67:GLU:O	2:F:71:GLU:CB	2.57	0.51
2:F:76:ARG:HH11	2:F:76:ARG:CG	2.23	0.51
2:F:200:VAL:HG13	2:F:204:LEU:HD22	1.92	0.51
2:F:243:THR:OG1	2:F:334:CYS:HB3	2.08	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:306:LEU:H	2:F:335:VAL:HG21	1.75	0.51
2:F:310:GLU:OE1	2:F:310:GLU:N	2.43	0.51
2:F:406:LEU:O	2:F:407:LEU:C	2.54	0.51
2:F:415:PRO:CA	2:F:417:TYR:HE2	2.23	0.51
1:A:369:PRO:O	1:A:370:PRO:C	2.50	0.51
1:A:564:GLN:HA	1:A:564:GLN:HE21	1.73	0.51
1:A:610:PHE:CZ	1:A:972:ARG:NH2	2.78	0.51
1:A:640:LEU:H	1:A:640:LEU:CD2	1.92	0.51
1:A:786:ALA:CB	1:A:790:ARG:CZ	2.87	0.51
1:A:865:ALA:HB2	1:A:872:SER:O	2.10	0.51
1:A:1029:GLN:HA	1:A:1032:THR:HB	1.92	0.51
2:B:235:THR:N	2:B:343:ASP:HB2	2.25	0.51
2:B:246:ARG:C	2:B:246:ARG:NE	2.68	0.51
2:B:323:HIS:HB3	2:B:332:VAL:HB	1.92	0.51
2:C:344:ARG:HA	2:C:347:LEU:CD1	2.40	0.51
2:C:389:ARG:CD	2:C:390:GLY:N	2.71	0.51
2:C:454:HIS:HD2	2:C:468:ILE:HG13	1.73	0.51
2:C:459:ASP:O	2:C:460:THR:HG23	2.11	0.51
2:C:472:LYS:O	2:C:475:LEU:HG	2.10	0.51
1:D:184:ALA:C	1:D:185:VAL:CG1	2.84	0.51
1:D:214:ALA:O	1:D:401:TRP:CH2	2.63	0.51
1:D:229:VAL:HG23	1:D:230:GLU:N	2.25	0.51
1:D:246:PRO:O	1:D:247:LEU:HD12	2.10	0.51
1:D:251:THR:HG23	1:D:280:GLU:OE1	2.10	0.51
1:D:416:GLU:C	1:D:418:CYS:N	2.69	0.51
1:D:549:LEU:CD2	1:D:552:LEU:HD12	2.40	0.51
1:D:612:LEU:HD11	1:D:622:TYR:CG	2.45	0.51
1:D:1029:GLN:HG3	1:D:1030:ARG:NE	2.14	0.51
2:E:270:PRO:O	2:E:273:PHE:CD2	2.60	0.51
2:E:282:GLU:HB3	2:E:309:HIS:ND1	2.25	0.51
2:E:419:GLU:OE2	2:F:201:ASN:ND2	2.43	0.51
2:F:84:GLN:C	2:F:86:LEU:N	2.68	0.51
1:A:244:LEU:O	1:A:247:LEU:HD23	2.10	0.51
1:A:439:GLN:HG2	1:A:835:GLY:C	2.34	0.51
1:A:465:ASP:CG	1:A:466:LEU:N	2.67	0.51
1:A:606:THR:CG2	1:A:614:TYR:N	2.66	0.51
1:A:853:ARG:O	1:A:854:ALA:HB2	2.09	0.51
1:A:887:VAL:CA	1:A:1146:ARG:NH1	2.74	0.51
1:A:896:LEU:HD13	1:A:954:ILE:HD12	1.91	0.51
1:A:960:PRO:O	1:A:963:GLU:HG3	2.11	0.51
1:A:1175:GLN:CG	1:A:1176:SER:H	2.21	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:236:GLU:HG2	2:B:341:ASP:CB	2.37	0.51
2:B:259:ARG:CD	2:B:262:TRP:CG	2.93	0.51
2:C:266:PHE:HB2	2:C:349:TYR:OH	2.11	0.51
2:C:406:LEU:N	2:C:406:LEU:CD1	2.73	0.51
1:D:148:LEU:HB2	1:D:149:PRO:HD3	1.92	0.51
1:D:257:THR:O	1:D:258:GLN:C	2.53	0.51
1:D:275:ARG:CB	1:D:843:GLN:OE1	2.59	0.51
1:D:279:ARG:HD3	1:D:279:ARG:N	2.25	0.51
1:D:538:GLU:CD	1:D:542:ASP:CG	2.78	0.51
1:D:576:LEU:CD1	1:D:577:CYS:N	2.69	0.51
1:D:868:ASP:O	1:D:869:ARG:CB	2.58	0.51
1:D:888:GLY:HA3	1:D:1138:ARG:CD	2.18	0.51
1:D:931:LEU:HA	1:D:934:LYS:HE3	1.92	0.51
1:D:992:LEU:HD13	1:D:993:ARG:H	1.74	0.51
1:D:1000:GLU:C	1:D:1004:LEU:HD13	2.35	0.51
1:D:1107:ASP:O	1:D:1108:TYR:C	2.53	0.51
1:D:1193:VAL:HG21	1:D:1215:GLY:H	1.74	0.51
2:E:418:LEU:HD11	2:F:122:ARG:HG3	1.91	0.51
2:E:429:TYR:O	2:E:433:ASP:HB2	2.10	0.51
2:F:115:TRP:CZ3	2:F:210:GLN:HA	2.46	0.51
2:F:445:GLU:O	2:F:447:THR:N	2.43	0.51
1:A:73:PRO:O	1:A:74:LEU:HD22	2.10	0.51
1:A:169:TRP:HD1	1:A:170:ALA:H	1.57	0.51
1:A:441:TRP:CE3	1:A:445:LEU:HD12	2.44	0.51
1:A:465:ASP:OD1	1:A:465:ASP:C	2.54	0.51
1:A:868:ASP:OD2	1:A:1199:THR:OG1	2.26	0.51
1:A:1033:ALA:O	1:A:1034:ARG:CB	2.58	0.51
1:A:1041:TRP:NE1	1:A:1043:VAL:CB	2.68	0.51
1:A:1069:ILE:CG2	1:A:1070:PRO:CD	2.87	0.51
2:B:105:GLU:CD	2:B:380:PRO:HA	2.33	0.51
2:B:249:ASN:O	2:B:252:LEU:HB2	2.09	0.51
2:C:300:ILE:CG2	2:C:301:GLU:H	2.15	0.51
2:C:383:VAL:CG2	2:C:384:ALA:N	2.74	0.51
2:C:471:LEU:O	2:C:474:PHE:N	2.34	0.51
1:D:163:PRO:O	1:D:165:LYS:HD2	2.11	0.51
1:D:175:TRP:HB2	1:D:185:VAL:CG2	2.40	0.51
1:D:542:ASP:OD2	2:F:404:ASN:ND2	2.44	0.51
1:D:739:TYR:C	1:D:740:ASN:CG	2.79	0.51
1:D:826:ILE:HB	1:D:831:TYR:CE2	2.42	0.51
1:D:937:THR:O	1:D:940:GLY:N	2.44	0.51
1:D:1019:TRP:CD1	1:D:1019:TRP:C	2.87	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1040:LYS:C	1:D:1042:GLU:H	2.17	0.51
1:D:1121:GLU:O	1:D:1123:PHE:N	2.40	0.51
1:D:1175:GLN:O	1:D:1177:VAL:HG23	2.10	0.51
2:E:72:ILE:HD12	2:E:72:ILE:N	2.25	0.51
2:E:113:GLU:HG3	2:E:378:LEU:HD11	1.92	0.51
2:E:113:GLU:O	2:E:116:THR:OG1	2.28	0.51
2:E:323:HIS:C	2:E:331:VAL:O	2.52	0.51
2:E:407:LEU:O	2:E:409:ASN:N	2.43	0.51
2:F:115:TRP:O	2:F:119:VAL:HG23	2.10	0.51
2:F:134:LYS:HB2	2:F:180:LYS:HE2	1.92	0.51
2:F:372:LEU:HD21	2:F:436:SER:HB2	1.92	0.51
2:F:381:ILE:O	2:F:437:ILE:HA	2.10	0.51
2:F:381:ILE:HB	2:F:437:ILE:HG22	1.93	0.51
1:A:81:ARG:NH1	1:A:81:ARG:HG3	2.25	0.51
1:A:93:GLU:O	1:A:95:PRO:HD3	2.11	0.51
1:A:305:SER:HB2	1:A:308:GLN:HG2	1.89	0.51
1:A:371:LYS:HZ1	1:A:400:VAL:HG23	1.73	0.51
1:A:403:THR:O	1:A:404:HIS:C	2.53	0.51
1:A:556:THR:HG21	2:C:452:LEU:HB2	1.93	0.51
1:A:592:LEU:HA	1:A:595:GLN:CG	2.40	0.51
1:A:752:LEU:CB	1:A:753:PRO:HA	2.39	0.51
1:A:830:ASP:C	1:A:831:TYR:CD1	2.83	0.51
1:A:920:THR:HG23	1:A:922:GLN:HB3	1.93	0.51
1:A:938:THR:O	1:A:939:VAL:HB	2.10	0.51
1:A:1031:GLU:O	1:A:1032:THR:CB	2.56	0.51
1:A:1041:TRP:O	1:A:1042:GLU:CB	2.55	0.51
1:A:1113:LEU:N	1:A:1113:LEU:CD2	2.72	0.51
1:A:1158:LEU:C	1:A:1162:CYS:SG	2.93	0.51
1:A:1207:GLU:HA	1:A:1210:TYR:CD1	2.39	0.51
1:A:1208:ARG:H	1:A:1210:TYR:H	1.58	0.51
2:B:69:LEU:O	2:B:72:ILE:CG1	2.56	0.51
2:B:105:GLU:O	2:B:109:ASN:HB3	2.10	0.51
2:B:114:TRP:HZ2	2:B:259:ARG:HH21	1.59	0.51
2:B:123:GLU:HB2	2:C:403:PHE:CZ	2.40	0.51
2:B:125:VAL:HG12	2:B:126:PHE:H	1.75	0.51
2:B:320:SER:HA	2:B:323:HIS:HD2	1.76	0.51
1:D:80:SER:O	1:D:83:LEU:HD22	2.11	0.51
1:D:249:VAL:HG21	1:D:251:THR:HG22	1.91	0.51
1:D:275:ARG:NH1	1:D:843:GLN:HE21	2.06	0.51
1:D:275:ARG:HG3	1:D:843:GLN:N	2.26	0.51
1:D:409:GLN:O	1:D:412:PRO:CD	2.59	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:599:THR:C	1:D:602:LEU:HD12	2.36	0.51
1:D:887:VAL:CG1	1:D:1183:VAL:CG1	2.89	0.51
1:D:888:GLY:CA	1:D:1138:ARG:HA	2.39	0.51
1:D:898:ILE:HG13	1:D:899:ALA:N	2.25	0.51
1:D:941:ILE:HG12	1:D:942:SER:H	1.75	0.51
1:D:1065:ALA:CA	1:D:1073:PRO:HG3	2.39	0.51
1:D:1209:ARG:NH1	2:F:285:LYS:HZ3	2.09	0.51
2:E:86:LEU:CA	2:E:90:SER:HB3	2.36	0.51
2:E:185:LEU:CD1	2:E:237:ALA:O	2.58	0.51
2:E:354:PHE:CG	2:E:355:GLN:N	2.78	0.51
2:E:373:LYS:HG2	2:E:374:LEU:H	1.75	0.51
2:F:301:GLU:HG2	2:F:339:ASN:CB	2.40	0.51
1:A:275:ARG:NH2	1:A:844:VAL:O	2.36	0.51
1:A:374:ARG:CG	1:A:374:ARG:NH1	2.69	0.51
1:A:645:VAL:C	1:A:650:ARG:HD2	2.33	0.51
1:A:821:LEU:O	1:A:821:LEU:CG	2.58	0.51
1:A:1019:TRP:C	1:A:1020:ILE:HG22	2.35	0.51
1:A:1094:THR:O	1:A:1095:SER:C	2.53	0.51
1:A:1224:ILE:O	1:A:1224:ILE:CD1	2.53	0.51
2:B:77:HIS:ND1	2:C:195:ASN:OD1	2.43	0.51
2:B:456:ARG:NH2	2:B:457:SER:O	2.44	0.51
2:C:82:SER:CA	2:C:86:LEU:CD2	2.77	0.51
2:C:239:LEU:HD21	2:C:255:TRP:CZ2	2.45	0.51
2:C:241:TRP:H	2:C:336:LEU:CB	2.22	0.51
2:C:351:TYR:HD1	2:C:355:GLN:HG2	1.75	0.51
2:C:402:LEU:O	2:C:403:PHE:C	2.54	0.51
2:C:440:THR:O	2:C:457:SER:OG	2.24	0.51
2:C:451:GLY:O	2:C:452:LEU:CB	2.58	0.51
1:D:83:LEU:N	1:D:83:LEU:CD1	2.72	0.51
1:D:242:ALA:HA	1:D:245:ILE:H	1.75	0.51
1:D:278:ILE:HG22	1:D:279:ARG:N	2.26	0.51
1:D:287:SER:O	1:D:288:ARG:NH2	2.43	0.51
1:D:307:PHE:C	1:D:311:LEU:HD12	2.34	0.51
1:D:309:ARG:O	1:D:310:SER:C	2.49	0.51
1:D:423:THR:O	1:D:427:MET:HG2	2.11	0.51
1:D:546:ARG:HH22	2:F:408:GLU:CD	2.19	0.51
1:D:656:TYR:HE1	1:D:743:ASP:CB	2.23	0.51
1:D:792:LEU:O	1:D:795:ASN:ND2	2.43	0.51
1:D:993:ARG:O	1:D:996:ARG:HD2	2.11	0.51
1:D:1027:LYS:NZ	1:D:1091:GLU:CG	2.53	0.51
1:D:1112:MET:HB3	1:D:1113:LEU:HD23	1.91	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1224:ILE:O	1:D:1227:THR:C	2.54	0.51
2:E:72:ILE:HD11	2:E:370:LYS:NZ	2.25	0.51
2:E:89:ASP:O	2:E:93:SER:N	2.43	0.51
2:E:205:PRO:CB	2:E:242:PHE:O	2.59	0.51
2:E:270:PRO:CA	2:E:273:PHE:HD2	2.21	0.51
2:E:293:PHE:HD1	2:E:295:TRP:NE1	2.08	0.51
2:E:422:GLN:C	2:E:424:SER:N	2.57	0.51
2:F:201:ASN:O	2:F:202:LYS:HB3	2.11	0.51
2:F:364:LYS:H	2:F:364:LYS:HD3	1.76	0.51
2:F:447:THR:HA	2:F:452:LEU:C	2.35	0.51
1:A:389:PHE:HB2	1:A:393:MET:HG2	1.92	0.51
1:A:424:LEU:H	1:A:424:LEU:CD2	2.23	0.51
1:A:545:ALA:O	1:A:548:CYS:SG	2.65	0.51
1:A:616:GLU:HG2	1:A:724:GLY:CA	2.39	0.51
1:A:829:PRO:HG3	1:A:883:GLY:HA2	1.92	0.51
1:A:878:VAL:O	1:A:879:GLN:NE2	2.43	0.51
1:A:973:LEU:O	1:A:977:GLU:HG3	2.11	0.51
1:A:1017:GLY:C	1:A:1019:TRP:N	2.69	0.51
2:B:86:LEU:HD23	2:B:97:PRO:HD2	1.92	0.51
2:B:126:PHE:HB3	2:B:127:PRO:HD2	1.92	0.51
2:B:324:GLY:H	2:B:333:PRO:HD3	1.76	0.51
2:C:76:ARG:HH11	2:C:76:ARG:CG	2.24	0.51
2:C:118:VAL:CG1	2:C:119:VAL:N	2.74	0.51
2:C:331:VAL:HG13	2:C:332:VAL:N	2.24	0.51
2:C:371:VAL:HG23	2:C:433:ASP:O	2.11	0.51
2:C:428:LEU:O	2:C:429:TYR:C	2.52	0.51
1:D:472:GLN:C	2:F:461:THR:HG23	2.36	0.51
1:D:549:LEU:H	1:D:551:LYS:HZ3	1.52	0.51
1:D:610:PHE:CD1	1:D:972:ARG:NH2	2.77	0.51
1:D:735:GLY:HA3	1:D:749:PHE:CA	2.40	0.51
1:D:902:LEU:HD13	1:D:1168:LEU:HD13	1.93	0.51
1:D:1131:ILE:O	1:D:1136:GLU:O	2.29	0.51
1:D:1147:TYR:HB3	1:D:1227:THR:CG2	2.41	0.51
1:D:1157:ASN:O	1:D:1158:LEU:C	2.54	0.51
1:D:1162:CYS:O	1:D:1165:ALA:HB3	2.10	0.51
1:D:1207:GLU:C	1:D:1210:TYR:H	2.19	0.51
2:E:460:THR:C	2:E:461:THR:HG22	2.35	0.51
2:F:78:PHE:CE2	2:F:350:LEU:HD23	2.46	0.51
2:F:193:TYR:CD1	2:F:242:PHE:CD2	2.98	0.51
2:F:290:TYR:HD1	2:F:299:LEU:HA	1.76	0.51
2:F:354:PHE:HE1	2:F:370:LYS:CB	2.23	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:464:GLU:OE2	2:F:466:MET:CG	2.58	0.51
1:A:259:ARG:HB3	1:A:261:TRP:HB2	1.93	0.51
1:A:283:LEU:HD13	1:A:283:LEU:O	2.10	0.51
1:A:313:ILE:HD12	1:A:313:ILE:C	2.36	0.51
1:A:386:ARG:CG	1:A:387:GLU:N	2.74	0.51
1:A:868:ASP:OD1	1:A:1199:THR:HG21	2.11	0.51
1:A:890:ASP:CG	1:A:1191:LYS:HZ3	2.14	0.51
1:A:891:VAL:CA	1:A:1180:PHE:CE1	2.91	0.51
1:A:941:ILE:CG2	1:A:942:SER:N	2.74	0.51
1:A:1010:LEU:O	1:A:1096:ARG:CZ	2.58	0.51
1:A:1040:LYS:HG2	1:A:1044:VAL:HG11	1.92	0.51
1:A:1109:LEU:HD11	1:A:1137:VAL:CG2	2.40	0.51
1:A:1187:ARG:HB2	1:A:1212:ILE:CG1	2.40	0.51
2:B:132:HIS:ND1	2:B:182:ARG:NH2	2.59	0.51
2:B:283:GLY:O	2:B:284:ARG:HB2	2.08	0.51
2:C:184:ASN:C	2:C:186:LEU:N	2.67	0.51
2:C:443:VAL:HG13	2:C:447:THR:CG2	2.41	0.51
2:C:458:ARG:HG2	2:C:458:ARG:NH1	2.13	0.51
2:C:466:MET:CB	2:C:471:LEU:CD2	2.77	0.51
1:D:78:MET:CE	1:D:121:PRO:HB2	2.40	0.51
1:D:251:THR:O	1:D:254:SER:CA	2.58	0.51
1:D:272:SER:HA	1:D:843:GLN:CG	2.41	0.51
1:D:374:ARG:HE	1:D:392:LEU:HG	1.76	0.51
1:D:392:LEU:O	1:D:395:TYR:CB	2.51	0.51
1:D:484:TRP:NE1	1:D:488:LEU:HG	2.26	0.51
1:D:546:ARG:HH21	2:F:404:ASN:HD22	1.58	0.51
1:D:715:GLN:HG2	1:D:717:LEU:CD1	2.40	0.51
1:D:775:GLU:O	1:D:776:ASP:CB	2.44	0.51
1:D:875:LYS:HG3	1:D:876:ALA:N	2.25	0.51
1:D:916:PHE:CE1	1:D:920:THR:O	2.63	0.51
1:D:964:ARG:O	1:D:968:GLN:CG	2.59	0.51
1:D:990:LYS:O	1:D:996:ARG:NH2	2.43	0.51
1:D:1008:LEU:HA	1:D:1011:PRO:CG	2.39	0.51
1:D:1020:ILE:HD13	1:D:1021:SER:H	1.61	0.51
1:D:1209:ARG:NH2	2:F:256:LEU:CD2	2.74	0.51
2:E:116:THR:C	2:E:118:VAL:N	2.69	0.51
2:E:121:PHE:HB2	2:E:122:ARG:HD2	1.93	0.51
2:E:128:VAL:HG22	2:E:129:ASP:N	2.24	0.51
2:E:218:VAL:H	2:E:231:ILE:CA	2.20	0.51
2:E:378:LEU:CD1	2:E:378:LEU:H	2.24	0.51
2:F:78:PHE:CD1	2:F:103:GLY:CA	2.91	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:235:THR:O	2:F:341:ASP:OD1	2.28	0.51
2:F:239:LEU:N	2:F:338:VAL:HG21	2.25	0.51
2:F:367:LEU:C	2:F:367:LEU:HD12	2.36	0.51
2:F:372:LEU:HD21	2:F:436:SER:N	2.25	0.51
2:F:454:HIS:NE2	2:F:472:LYS:HE3	2.25	0.51
1:A:157:LEU:HG	1:A:194:ALA:HB1	1.92	0.51
1:A:313:ILE:O	1:A:316:LYS:HG2	2.11	0.51
1:A:505:LYS:O	1:A:506:GLU:HB2	2.11	0.51
1:A:1099:TRP:O	1:A:1103:SER:N	2.37	0.51
1:A:1111:LEU:CB	1:A:1160:THR:HG23	2.40	0.51
1:A:1111:LEU:HB2	1:A:1160:THR:HG23	1.93	0.51
2:B:74:GLN:O	2:B:75:ARG:C	2.53	0.51
2:B:84:GLN:O	2:B:84:GLN:NE2	2.44	0.51
2:B:132:HIS:HA	2:B:182:ARG:HE	1.75	0.51
2:C:112:ALA:O	2:C:116:THR:HG22	2.10	0.51
2:C:306:LEU:HD12	2:C:335:VAL:HB	1.92	0.51
2:C:456:ARG:HG2	2:C:457:SER:H	1.75	0.51
1:D:179:GLY:C	1:D:182:GLY:N	2.69	0.51
1:D:313:ILE:CG1	1:D:314:ALA:N	2.73	0.51
1:D:424:LEU:O	1:D:427:MET:HG2	2.11	0.51
1:D:501:LYS:HG2	1:D:502:LYS:H	1.76	0.51
1:D:545:ALA:HA	1:D:548:CYS:SG	2.51	0.51
1:D:917:GLY:O	1:D:920:THR:HA	2.11	0.51
1:D:989:THR:HA	1:D:998:SER:HG	1.68	0.51
1:D:1163:MET:HE2	1:D:1167:LYS:CG	2.40	0.51
2:E:193:TYR:HA	2:E:206:TYR:OH	2.11	0.51
2:E:326:ASP:O	2:E:327:GLY:C	2.54	0.51
2:F:203:ARG:N	2:F:325:ARG:HD3	2.24	0.51
2:F:367:LEU:O	2:F:369:ARG:CD	2.59	0.51
2:F:439:PHE:CD1	2:F:458:ARG:CG	2.93	0.51
2:F:454:HIS:CD2	2:F:468:ILE:O	2.64	0.51
2:F:477:LYS:O	2:F:478:TYR:C	2.53	0.51
1:A:205:GLU:OE1	1:A:205:GLU:CA	2.57	0.51
1:A:213:VAL:HG11	1:A:397:ALA:CA	2.40	0.51
1:A:265:LEU:HD12	1:A:265:LEU:C	2.36	0.51
1:A:439:GLN:HG2	1:A:835:GLY:HA2	1.83	0.51
1:A:605:LEU:HB2	1:A:614:TYR:HD1	1.74	0.51
1:A:607:TRP:CZ2	1:A:671:GLN:CA	2.93	0.51
1:A:612:LEU:HD23	1:A:614:TYR:CA	2.40	0.51
1:A:646:VAL:CG1	1:A:646:VAL:O	2.59	0.51
1:A:669:MET:O	1:A:673:ALA:N	2.44	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:731:SER:O	1:A:732:TYR:C	2.52	0.51
1:A:788:GLY:O	1:A:791:ALA:N	2.44	0.51
1:A:1160:THR:O	1:A:1164:PHE:CD1	2.54	0.51
2:B:86:LEU:HB3	2:B:91:LEU:HD21	1.92	0.51
2:B:90:SER:C	2:B:93:SER:HG	2.17	0.51
2:B:205:PRO:HG2	2:B:241:TRP:HE1	1.76	0.51
2:C:415:PRO:CA	2:C:417:TYR:HE2	2.24	0.51
2:C:455:LEU:O	2:C:456:ARG:HD2	2.11	0.51
1:D:198:ASP:H	1:D:213:VAL:HG12	1.76	0.51
1:D:269:HIS:C	1:D:294:THR:CG2	2.79	0.51
1:D:294:THR:HA	1:D:407:PHE:CZ	2.46	0.51
1:D:429:GLU:OE1	1:D:429:GLU:CA	2.59	0.51
1:D:500:ALA:CB	1:D:520:ALA:HB3	2.41	0.51
1:D:580:LEU:C	1:D:580:LEU:CD1	2.75	0.51
1:D:1206:MET:SD	1:D:1206:MET:C	2.93	0.51
2:E:116:THR:C	2:E:120:VAL:HG12	2.36	0.51
2:E:250:GLN:CD	2:E:250:GLN:C	2.78	0.51
2:F:70:LEU:C	2:F:70:LEU:HD13	2.36	0.51
2:F:255:TRP:CE3	2:F:255:TRP:HA	2.46	0.51
2:F:344:ARG:O	2:F:345:GLY:C	2.52	0.51
1:A:83:LEU:HD13	1:A:89:GLY:N	2.25	0.50
1:A:199:VAL:HG21	1:A:277:HIS:HB2	1.92	0.50
1:A:358:LEU:HD12	1:A:407:PHE:HE1	1.76	0.50
1:A:495:PHE:O	1:A:496:LYS:HD2	2.11	0.50
1:A:604:ALA:HA	1:A:717:LEU:HD21	1.93	0.50
1:A:658:LYS:O	1:A:662:GLU:CD	2.53	0.50
1:A:844:VAL:HB	1:A:856:GLU:OE2	2.10	0.50
1:A:891:VAL:HB	1:A:1180:PHE:CE1	2.46	0.50
1:A:1027:LYS:HG3	1:A:1028:VAL:N	2.26	0.50
1:A:1193:VAL:O	1:A:1214:GLN:HB3	2.10	0.50
2:B:99:PHE:CE2	2:C:131:LEU:HD21	2.46	0.50
2:B:447:THR:HG23	2:B:451:GLY:C	2.35	0.50
2:C:197:LEU:HD11	2:C:322:LEU:HD21	1.92	0.50
2:C:309:HIS:CA	2:C:312:LEU:HD12	2.40	0.50
2:C:431:LYS:O	2:C:435:MET:N	2.44	0.50
1:D:82:GLY:HA3	1:D:125:LEU:HD12	1.93	0.50
1:D:115:GLN:NE2	1:D:115:GLN:O	2.44	0.50
1:D:121:PRO:HB2	1:D:1175:GLN:HE22	1.74	0.50
1:D:147:SER:O	1:D:150:TYR:HB3	2.11	0.50
1:D:237:SER:OG	1:D:238:GLN:N	2.44	0.50
1:D:298:HIS:NE2	1:D:407:PHE:HA	2.25	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:352:SER:C	1:D:352:SER:HB3	2.36	0.50
1:D:373:PRO:HD2	1:D:374:ARG:HG2	1.93	0.50
1:D:410:GLN:O	1:D:414:PHE:CD2	2.62	0.50
1:D:417:ARG:HH11	1:D:417:ARG:HG2	1.75	0.50
1:D:550:GLN:CA	1:D:551:LYS:HE3	2.41	0.50
1:D:939:VAL:O	1:D:939:VAL:HG12	2.10	0.50
1:D:994:TRP:N	1:D:996:ARG:HH11	2.09	0.50
1:D:1029:GLN:O	1:D:1032:THR:HB	2.11	0.50
1:D:1042:GLU:C	1:D:1044:VAL:H	2.19	0.50
2:E:93:SER:HB3	2:E:95:CYS:SG	2.51	0.50
2:E:369:ARG:HB3	2:E:369:ARG:CZ	2.40	0.50
2:E:380:PRO:CD	2:E:438:LEU:HD11	2.40	0.50
2:E:384:ALA:HB1	2:E:385:LEU:HB3	1.89	0.50
2:F:123:GLU:OE1	2:F:205:PRO:O	2.28	0.50
2:F:253:ASP:HB3	2:F:257:ARG:NH2	2.26	0.50
2:F:262:TRP:HZ3	2:F:263:TRP:CZ2	2.28	0.50
1:A:270:ASN:OD1	1:A:270:ASN:N	2.43	0.50
1:A:348:LEU:CA	1:A:350:ILE:HD13	2.28	0.50
1:A:434:TYR:H	1:A:1129:PHE:HD1	1.57	0.50
1:A:490:TRP:HH2	1:A:598:VAL:CB	2.13	0.50
1:A:539:PHE:O	1:A:539:PHE:CG	2.64	0.50
1:A:557:GLU:C	1:A:559:LEU:N	2.67	0.50
1:A:576:LEU:CD1	1:A:577:CYS:N	2.68	0.50
1:A:914:THR:HB	1:A:999:ASP:HB3	1.93	0.50
1:A:1187:ARG:HB2	1:A:1212:ILE:HG13	1.93	0.50
2:B:375:HIS:CE1	2:B:377:CYS:SG	3.04	0.50
2:C:266:PHE:O	2:C:349:TYR:CE1	2.64	0.50
2:C:314:MET:HB3	2:C:315:TYR:CE2	2.45	0.50
2:C:455:LEU:N	2:C:455:LEU:CD1	2.73	0.50
2:C:474:PHE:CE2	2:C:475:LEU:HD23	2.46	0.50
1:D:127:LEU:HD22	1:D:129:PRO:CG	2.42	0.50
1:D:256:PRO:CG	1:D:284:ILE:HD11	2.39	0.50
1:D:270:ASN:C	1:D:274:ASP:CG	2.79	0.50
1:D:277:HIS:C	1:D:291:PHE:CE1	2.89	0.50
1:D:280:GLU:HB3	1:D:814:VAL:HG11	1.93	0.50
1:D:550:GLN:OE1	1:D:551:LYS:HE2	2.10	0.50
1:D:798:ILE:CA	1:D:869:ARG:NH1	2.74	0.50
1:D:920:THR:CG2	1:D:922:GLN:OE1	2.59	0.50
1:D:1161:ARG:NH1	1:D:1178:ALA:O	2.44	0.50
2:E:324:GLY:O	2:E:331:VAL:CG1	2.59	0.50
2:E:445:GLU:OE2	2:E:446:THR:HG22	2.12	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:83:LYS:N	2:F:86:LEU:HD22	2.27	0.50
2:F:270:PRO:HA	2:F:273:PHE:HD2	1.76	0.50
2:F:466:MET:SD	2:F:471:LEU:CD2	2.93	0.50
1:A:304:LEU:HD11	1:A:350:ILE:O	2.11	0.50
1:A:606:THR:H	1:A:613:HIS:CA	2.25	0.50
1:A:612:LEU:HD21	1:A:614:TYR:C	2.36	0.50
1:A:620:TRP:H	1:A:620:TRP:HD1	1.58	0.50
1:A:652:ILE:O	1:A:655:LEU:CG	2.58	0.50
1:A:732:TYR:CE1	1:A:755:LYS:HA	2.47	0.50
1:A:1027:LYS:HD3	1:A:1092:PHE:CE2	2.46	0.50
2:B:115:TRP:O	2:B:120:VAL:HG23	2.11	0.50
2:B:284:ARG:O	2:B:285:LYS:CB	2.57	0.50
2:B:372:LEU:HB2	2:B:433:ASP:O	2.10	0.50
2:C:375:HIS:N	2:C:378:LEU:HB2	2.26	0.50
1:D:437:VAL:CG1	1:D:438:ASN:N	2.73	0.50
1:D:886:LEU:CA	1:D:1146:ARG:HH12	2.23	0.50
1:D:887:VAL:HG22	1:D:1185:ILE:CG2	2.37	0.50
1:D:981:LYS:HA	1:D:984:GLN:OE1	2.11	0.50
1:D:1108:TYR:HA	1:D:1164:PHE:HE1	1.76	0.50
1:D:1118:TRP:C	1:D:1122:GLU:HG2	2.35	0.50
1:D:1190:ARG:HD3	1:D:1195:MET:CE	2.37	0.50
1:D:1209:ARG:HE	2:F:253:ASP:CB	2.24	0.50
2:E:122:ARG:HB2	2:E:124:GLN:HG2	1.93	0.50
2:E:184:ASN:C	2:E:186:LEU:N	2.68	0.50
2:E:371:VAL:CA	2:E:433:ASP:OD2	2.43	0.50
2:E:375:HIS:CG	2:E:376:PRO:HA	2.46	0.50
2:E:403:PHE:O	2:E:406:LEU:HB2	2.11	0.50
2:F:123:GLU:HB3	2:F:206:TYR:HB2	1.93	0.50
2:F:245:PRO:HG2	2:F:246:ARG:N	2.26	0.50
1:A:167:PRO:HG2	1:A:177:ARG:CG	2.25	0.50
1:A:276:ALA:HA	1:A:279:ARG:HB2	1.88	0.50
1:A:296:SER:O	1:A:299:MET:HB2	2.12	0.50
1:A:353:VAL:CG2	1:A:354:ASN:N	2.75	0.50
1:A:438:ASN:O	1:A:439:GLN:C	2.55	0.50
1:A:648:PRO:O	1:A:652:ILE:HG13	2.10	0.50
1:A:848:GLY:HA3	1:A:855:VAL:HG21	1.92	0.50
1:A:870:VAL:HG22	1:A:1202:ASN:ND2	2.24	0.50
1:A:916:PHE:CA	1:A:919:MET:HB2	2.24	0.50
1:A:972:ARG:O	1:A:974:THR:N	2.45	0.50
1:A:999:ASP:O	1:A:1000:GLU:CG	2.57	0.50
1:A:1029:GLN:CA	1:A:1031:GLU:O	2.59	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1066:THR:HB	1:A:1071:ARG:HA	1.92	0.50
2:B:105:GLU:CB	2:B:380:PRO:HB3	2.32	0.50
2:B:206:TYR:HA	2:B:241:TRP:CH2	2.45	0.50
2:B:374:LEU:N	2:B:458:ARG:CZ	2.75	0.50
2:B:447:THR:CA	2:B:450:ASN:OD1	2.59	0.50
2:C:310:GLU:N	2:C:310:GLU:CD	2.70	0.50
2:C:353:SER:OG	2:C:354:PHE:N	2.33	0.50
2:C:471:LEU:O	2:C:472:LYS:C	2.55	0.50
1:D:220:TRP:HD1	1:D:221:TYR:CD2	2.30	0.50
1:D:257:THR:C	1:D:258:GLN:CG	2.85	0.50
1:D:271:VAL:O	1:D:274:ASP:CB	2.58	0.50
1:D:375:GLU:O	1:D:376:LEU:C	2.54	0.50
1:D:403:THR:O	1:D:407:PHE:HB3	2.11	0.50
1:D:453:GLU:HB3	1:D:457:ARG:HD3	1.94	0.50
1:D:504:LYS:NZ	1:D:525:MET:HG2	2.26	0.50
1:D:512:LYS:CE	1:D:514:PRO:HD3	2.41	0.50
1:D:608:ASP:OD1	1:D:611:PRO:C	2.55	0.50
1:D:768:LYS:N	1:D:772:PRO:HD3	2.27	0.50
1:D:827:ARG:CD	1:D:828:HIS:N	2.73	0.50
1:D:891:VAL:O	1:D:891:VAL:HG22	2.12	0.50
1:D:1134:HIS:O	1:D:1134:HIS:HD2	1.93	0.50
2:E:115:TRP:CZ2	2:E:127:PRO:HB3	2.47	0.50
2:E:194:VAL:CG1	2:E:195:ASN:N	2.70	0.50
2:E:199:LEU:CG	2:E:200:VAL:H	2.25	0.50
2:E:378:LEU:HD12	2:E:378:LEU:N	2.26	0.50
2:F:131:LEU:O	2:F:132:HIS:C	2.54	0.50
2:F:206:TYR:CZ	2:F:208:LEU:HD23	2.47	0.50
2:F:325:ARG:NH1	2:F:325:ARG:CG	2.72	0.50
2:F:389:ARG:C	2:F:395:LEU:HD11	2.36	0.50
1:A:86:GLN:OE1	1:A:130:LEU:HB3	2.11	0.50
1:A:266:VAL:HG22	1:A:267:VAL:N	2.26	0.50
1:A:350:ILE:O	1:A:351:SER:C	2.54	0.50
1:A:543:VAL:HG13	1:A:544:MET:N	2.27	0.50
1:A:607:TRP:CE2	1:A:671:GLN:NE2	2.79	0.50
1:A:630:ASN:HB2	1:A:744:ILE:C	2.37	0.50
1:A:656:TYR:HD2	1:A:720:THR:HG1	1.56	0.50
1:A:733:HIS:C	1:A:735:GLY:N	2.60	0.50
1:A:771:LEU:O	1:A:775:GLU:HG3	2.11	0.50
1:A:786:ALA:O	1:A:790:ARG:HG2	2.12	0.50
1:A:788:GLY:O	1:A:789:PRO:C	2.51	0.50
1:A:886:LEU:CA	1:A:1146:ARG:NH2	2.74	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:905:ALA:HA	1:A:910:MET:CA	2.42	0.50
1:A:945:HIS:CE1	1:A:969:PHE:CB	2.94	0.50
1:A:966:LEU:O	1:A:970:ASN:HB2	2.12	0.50
1:A:996:ARG:NH1	1:A:1000:GLU:CB	2.52	0.50
1:A:998:SER:OG	1:A:999:ASP:N	2.42	0.50
1:A:1102:GLN:O	1:A:1103:SER:C	2.53	0.50
1:A:1131:ILE:CB	1:A:1138:ARG:H	2.24	0.50
2:B:67:GLU:CA	2:B:70:LEU:HB2	2.41	0.50
2:B:93:SER:O	2:B:95:CYS:N	2.44	0.50
2:B:217:PRO:CA	2:B:232:GLY:H	2.24	0.50
2:B:259:ARG:HG2	2:B:262:TRP:CD1	2.47	0.50
2:B:348:ALA:O	2:B:350:LEU:N	2.45	0.50
2:B:447:THR:O	2:B:451:GLY:N	2.44	0.50
2:C:126:PHE:HB2	2:C:128:VAL:HA	1.92	0.50
2:C:131:LEU:O	2:C:132:HIS:C	2.54	0.50
2:C:241:TRP:HE3	2:C:336:LEU:CD1	2.24	0.50
2:C:241:TRP:CG	2:C:336:LEU:HD12	2.45	0.50
1:D:266:VAL:HG23	1:D:290:ARG:O	2.12	0.50
1:D:270:ASN:CA	1:D:294:THR:OG1	2.59	0.50
1:D:370:GLU:HB2	1:D:399:ASP:CG	2.37	0.50
1:D:436:PRO:HA	1:D:839:ALA:CB	2.42	0.50
1:D:660:CYS:CA	1:D:745:PRO:HG3	2.41	0.50
1:D:783:PRO:CG	1:D:784:GLY:H	2.23	0.50
1:D:795:ASN:HA	1:D:798:ILE:CG1	2.41	0.50
1:D:831:TYR:O	1:D:831:TYR:CD1	2.62	0.50
1:D:873:GLU:OE1	1:D:1203:PRO:HG2	2.12	0.50
1:D:915:ALA:O	1:D:919:MET:SD	2.69	0.50
1:D:927:ARG:CG	1:D:928:GLY:N	2.62	0.50
1:D:980:GLU:O	1:D:984:GLN:HG3	2.11	0.50
2:E:120:VAL:HG13	2:F:407:LEU:HD21	1.93	0.50
2:E:203:ARG:HH21	2:E:203:ARG:CG	2.22	0.50
2:E:388:GLY:O	2:E:395:LEU:CD1	2.59	0.50
2:F:123:GLU:HB3	2:F:206:TYR:CB	2.41	0.50
2:F:193:TYR:O	2:F:196:CYS:HB2	2.12	0.50
2:F:203:ARG:NE	2:F:204:LEU:HD11	2.27	0.50
2:F:246:ARG:C	2:F:248:SER:N	2.56	0.50
2:F:259:ARG:NE	2:F:339:ASN:ND2	2.59	0.50
2:F:357:THR:O	2:F:358:GLU:CG	2.60	0.50
2:F:418:LEU:O	2:F:421:MET:CG	2.54	0.50
1:A:240:SER:O	1:A:243:ASP:CG	2.54	0.50
1:A:273:PHE:C	1:A:276:ALA:CB	2.83	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:486:TRP:HE1	1:A:722:ARG:HG2	1.77	0.50
1:A:657:ARG:CA	1:A:660:CYS:HB3	2.41	0.50
1:A:662:GLU:O	1:A:666:GLN:CB	2.60	0.50
1:A:824:ALA:HB1	1:A:827:ARG:HG2	1.93	0.50
1:A:931:LEU:HD23	1:A:932:HIS:CA	2.42	0.50
1:A:1121:GLU:O	1:A:1123:PHE:N	2.39	0.50
1:A:1123:PHE:C	1:A:1125:ILE:H	2.19	0.50
1:A:1175:GLN:O	1:A:1178:ALA:HB3	2.11	0.50
2:B:320:SER:HA	2:B:323:HIS:CD2	2.47	0.50
2:B:383:VAL:CG2	2:B:384:ALA:H	2.23	0.50
2:C:78:PHE:HZ	2:C:346:MET:SD	2.35	0.50
2:C:193:TYR:CG	2:C:194:VAL:N	2.80	0.50
2:C:389:ARG:CZ	2:C:390:GLY:CA	2.90	0.50
1:D:85:GLU:OE2	1:D:127:LEU:O	2.30	0.50
1:D:177:ARG:CG	1:D:218:SER:OG	2.60	0.50
1:D:179:GLY:O	1:D:180:PRO:C	2.53	0.50
1:D:194:ALA:CB	1:D:265:LEU:HD13	2.39	0.50
1:D:272:SER:O	1:D:273:PHE:HB2	2.10	0.50
1:D:375:GLU:OE1	1:D:379:LYS:HB3	2.11	0.50
1:D:547:ALA:O	1:D:551:LYS:CG	2.58	0.50
1:D:800:PHE:CE2	1:D:867:PRO:HB3	2.47	0.50
1:D:810:SER:O	1:D:811:GLN:C	2.54	0.50
1:D:922:GLN:CD	1:D:931:LEU:HD13	2.35	0.50
1:D:1131:ILE:HD13	1:D:1131:ILE:O	2.11	0.50
1:D:1147:TYR:N	1:D:1147:TYR:HD2	2.10	0.50
1:D:1187:ARG:HG3	1:D:1212:ILE:CG1	2.42	0.50
1:D:1193:VAL:O	1:D:1194:THR:C	2.53	0.50
2:E:88:ARG:H	2:E:88:ARG:CD	2.24	0.50
2:E:373:LYS:HA	2:E:458:ARG:NE	2.25	0.50
2:E:425:LEU:HD23	2:E:426:GLU:OE1	2.12	0.50
2:E:449:GLU:OE1	2:E:449:GLU:CA	2.45	0.50
2:F:110:LEU:O	2:F:111:ALA:C	2.51	0.50
1:A:81:ARG:NH1	1:A:125:LEU:O	2.45	0.50
1:A:515:ILE:HG12	1:A:565:HIS:C	2.37	0.50
1:A:660:CYS:CB	1:A:745:PRO:CG	2.90	0.50
1:A:857:PRO:HB3	1:A:1062:GLU:CD	2.37	0.50
1:A:1016:GLU:OE2	1:A:1022:LEU:HD22	2.12	0.50
1:A:1108:TYR:HE2	1:A:1112:MET:CE	2.20	0.50
1:A:1158:LEU:HD13	1:A:1179:PHE:CZ	2.47	0.50
2:B:447:THR:HA	2:B:450:ASN:CG	2.37	0.50
2:C:213:VAL:HA	2:C:235:THR:HA	1.94	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:224:ILE:HD13	2:C:224:ILE:N	2.27	0.50
2:C:308:ASP:CG	2:C:334:CYS:HA	2.37	0.50
2:C:389:ARG:NH2	2:C:390:GLY:HA3	2.26	0.50
2:C:471:LEU:CD1	2:C:471:LEU:N	2.38	0.50
1:D:204:ALA:O	1:D:205:GLU:CG	2.60	0.50
1:D:245:ILE:CG1	1:D:246:PRO:N	2.51	0.50
1:D:439:GLN:CG	1:D:836:LEU:H	2.25	0.50
1:D:549:LEU:O	1:D:552:LEU:HB2	2.12	0.50
1:D:657:ARG:O	1:D:660:CYS:CB	2.58	0.50
1:D:784:GLY:C	2:F:363:ARG:HG2	2.37	0.50
1:D:802:ARG:HG3	1:D:803:ASN:N	2.27	0.50
1:D:938:THR:O	1:D:939:VAL:CG2	2.59	0.50
1:D:1124:ALA:HB1	1:D:1148:ARG:HH12	1.70	0.50
2:E:183:GLU:O	2:E:214:CYS:SG	2.70	0.50
2:E:372:LEU:O	2:E:458:ARG:HG2	2.12	0.50
2:F:317:GLY:C	2:F:319:VAL:N	2.56	0.50
2:F:447:THR:CG2	2:F:448:LEU:N	2.73	0.50
1:A:291:PHE:O	1:A:292:LEU:CB	2.59	0.50
1:A:564:GLN:HA	1:A:567:PRO:CD	2.35	0.50
1:A:789:PRO:O	1:A:792:LEU:HD12	2.12	0.50
1:A:863:SER:O	1:A:873:GLU:CG	2.57	0.50
1:A:953:ARG:HD3	1:A:986:TYR:CD2	2.47	0.50
2:B:194:VAL:HG13	2:B:195:ASN:N	2.27	0.50
2:B:389:ARG:HG2	2:B:444:THR:CG2	2.42	0.50
2:B:437:ILE:N	2:B:458:ARG:HD3	2.26	0.50
2:C:118:VAL:HG12	2:C:119:VAL:N	2.27	0.50
2:C:208:LEU:CD1	2:C:240:VAL:C	2.80	0.50
2:C:307:GLY:N	2:C:335:VAL:HG12	2.27	0.50
2:C:377:CYS:SG	2:C:483:LYS:HA	2.51	0.50
2:C:454:HIS:HB3	2:C:466:MET:C	2.36	0.50
1:D:106:HIS:HA	1:D:109:LYS:CG	2.41	0.50
1:D:295:MET:O	1:D:299:MET:N	2.41	0.50
1:D:308:GLN:O	1:D:312:TRP:HB2	2.12	0.50
1:D:365:GLY:C	1:D:367:PRO:HD3	2.36	0.50
1:D:428:LEU:O	1:D:432:VAL:HG23	2.11	0.50
1:D:429:GLU:CG	1:D:1128:ARG:NH2	2.66	0.50
1:D:668:LEU:C	1:D:671:GLN:HB2	2.31	0.50
1:D:727:ASP:O	1:D:728:THR:OG1	2.25	0.50
1:D:890:ASP:C	1:D:891:VAL:HG12	2.23	0.50
1:D:907:PHE:HE2	1:D:913:CYS:SG	2.35	0.50
1:D:1068:ASP:OD1	1:D:1068:ASP:N	2.44	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1126:ASP:CB	1:D:1141:VAL:HG13	2.42	0.50
2:E:90:SER:OG	2:E:96:HIS:HA	2.12	0.50
2:E:389:ARG:HE	2:E:390:GLY:CA	2.23	0.50
2:F:196:CYS:O	2:F:199:LEU:HB3	2.12	0.50
2:F:204:LEU:CD1	2:F:204:LEU:N	2.75	0.50
2:F:280:ASP:C	2:F:282:GLU:H	2.19	0.50
2:F:307:GLY:HA2	2:F:335:VAL:HG12	1.94	0.50
2:F:446:THR:C	2:F:450:ASN:H	2.19	0.50
2:F:447:THR:HG22	2:F:448:LEU:HD12	1.94	0.50
1:A:204:ALA:O	1:A:206:GLY:N	2.40	0.50
1:A:494:GLU:HB2	1:A:572:TRP:CD2	2.47	0.50
1:A:645:VAL:HA	1:A:650:ARG:HD2	1.94	0.50
1:A:742:VAL:O	1:A:742:VAL:HG12	2.11	0.50
1:A:754:HIS:HD2	1:A:757:GLY:HA3	1.77	0.50
1:A:784:GLY:HA3	2:C:362:THR:C	2.36	0.50
1:A:892:ASP:HB3	1:A:927:ARG:HH22	1.77	0.50
1:A:1068:ASP:CA	1:A:1071:ARG:HD3	2.41	0.50
1:A:1122:GLU:C	1:A:1123:PHE:HD1	2.20	0.50
1:A:1140:LEU:CD2	1:A:1141:VAL:H	2.20	0.50
2:B:440:THR:CG2	2:B:441:VAL:H	2.19	0.50
2:C:428:LEU:N	2:C:428:LEU:HD23	2.22	0.50
2:C:443:VAL:CG1	2:C:447:THR:CG2	2.89	0.50
1:D:121:PRO:CB	1:D:1175:GLN:NE2	2.73	0.50
1:D:162:LEU:HG	1:D:162:LEU:O	2.12	0.50
1:D:253:ALA:HB2	1:D:280:GLU:C	2.37	0.50
1:D:262:GLN:HA	1:D:262:GLN:OE1	2.11	0.50
1:D:278:ILE:CG1	1:D:291:PHE:HD1	2.24	0.50
1:D:369:LEU:HD13	1:D:372:GLU:CB	2.41	0.50
1:D:375:GLU:O	1:D:378:VAL:C	2.54	0.50
1:D:375:GLU:CD	1:D:379:LYS:HA	2.37	0.50
1:D:452:TYR:CB	1:D:801:TRP:CD1	2.94	0.50
1:D:592:LEU:O	1:D:595:GLN:N	2.40	0.50
1:D:630:ASN:C	1:D:631:LEU:HD23	2.37	0.50
1:D:885:THR:HG22	1:D:886:LEU:H	1.75	0.50
1:D:1090:GLU:HG3	1:D:1092:PHE:CZ	2.46	0.50
2:E:96:HIS:C	2:E:98:GLY:N	2.68	0.50
2:E:109:ASN:HB2	2:E:378:LEU:C	2.37	0.50
2:E:322:LEU:O	2:E:323:HIS:C	2.52	0.50
2:F:241:TRP:CZ3	2:F:255:TRP:CZ2	2.99	0.50
2:F:272:ASN:HA	2:F:292:ASN:ND2	2.26	0.50
2:F:348:ALA:O	2:F:352:ASP:N	2.41	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:375:HIS:CB	2:F:378:LEU:HD22	2.40	0.50
2:F:388:GLY:N	2:F:443:VAL:O	2.42	0.50
2:F:466:MET:O	2:F:467:HIS:C	2.50	0.50
1:A:174:GLY:HA2	1:A:220:TRP:HB2	1.94	0.49
1:A:192:GLU:CG	1:A:195:LEU:HD21	2.42	0.49
1:A:286:GLY:CA	1:A:1128:ARG:HH22	2.24	0.49
1:A:392:LEU:O	1:A:394:GLN:N	2.45	0.49
1:A:408:GLN:C	1:A:411:LEU:HG	2.36	0.49
1:A:441:TRP:O	1:A:445:LEU:HB2	2.12	0.49
1:A:452:TYR:CE2	1:A:453:GLU:HG2	2.47	0.49
1:A:503:VAL:HG11	1:A:520:ALA:CB	2.42	0.49
1:A:586:THR:O	1:A:587:PRO:C	2.54	0.49
1:A:607:TRP:HZ2	1:A:670:PRO:C	2.20	0.49
1:A:730:PRO:HB3	1:A:760:CYS:O	2.12	0.49
1:A:764:SER:OG	1:A:767:ALA:HB2	2.11	0.49
1:A:972:ARG:C	1:A:974:THR:H	2.20	0.49
1:A:1092:PHE:O	1:A:1096:ARG:HG3	2.12	0.49
1:A:1207:GLU:C	1:A:1210:TYR:CE1	2.90	0.49
2:B:114:TRP:CA	2:B:262:TRP:CH2	2.95	0.49
2:C:306:LEU:H	2:C:335:VAL:CG1	2.24	0.49
2:C:311:LEU:HD22	2:C:311:LEU:N	2.26	0.49
2:C:347:LEU:CD1	2:C:347:LEU:H	2.24	0.49
2:C:474:PHE:HA	2:C:477:LYS:HD3	1.92	0.49
1:D:116:PRO:O	1:D:118:VAL:CG1	2.61	0.49
1:D:298:HIS:CD2	1:D:407:PHE:CB	2.90	0.49
1:D:427:MET:HB2	1:D:846:THR:CG2	2.42	0.49
1:D:712:VAL:N	1:D:713:PRO:CD	2.75	0.49
1:D:860:LEU:HD22	1:D:1133:ILE:HD12	1.94	0.49
1:D:886:LEU:CA	1:D:1146:ARG:NH1	2.75	0.49
1:D:1055:SER:O	1:D:1058:PHE:CD2	2.65	0.49
1:D:1157:ASN:C	1:D:1161:ARG:HD2	2.36	0.49
1:D:1163:MET:HE2	1:D:1167:LYS:HG2	1.93	0.49
1:D:1207:GLU:HA	1:D:1210:TYR:CG	2.47	0.49
1:D:1213:PRO:O	1:D:1214:GLN:CB	2.57	0.49
2:E:96:HIS:CD2	2:E:96:HIS:O	2.65	0.49
2:E:109:ASN:HD22	2:E:378:LEU:CB	2.26	0.49
2:E:374:LEU:O	2:E:375:HIS:CB	2.52	0.49
2:E:392:THR:O	2:E:392:THR:HG22	2.11	0.49
2:E:418:LEU:HD11	2:F:122:ARG:HE	1.74	0.49
2:F:244:PRO:N	2:F:247:THR:HG21	2.27	0.49
2:F:346:MET:O	2:F:350:LEU:HD11	2.12	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:357:THR:O	2:F:359:ASN:N	2.42	0.49
2:F:399:CYS:O	2:F:400:GLN:C	2.55	0.49
2:F:447:THR:CA	2:F:452:LEU:CA	2.81	0.49
2:F:483:LYS:O	2:F:485:VAL:HG12	2.12	0.49
1:A:106:HIS:C	1:A:108:GLN:H	2.20	0.49
1:A:181:GLU:C	1:A:181:GLU:CD	2.80	0.49
1:A:246:PRO:O	1:A:250:PRO:HD2	2.12	0.49
1:A:298:HIS:O	1:A:299:MET:C	2.54	0.49
1:A:304:LEU:HB2	1:A:309:ARG:HB3	1.94	0.49
1:A:421:PRO:CG	1:A:422:VAL:N	2.75	0.49
1:A:755:LYS:CD	1:A:964:ARG:HH11	2.23	0.49
1:A:789:PRO:O	1:A:793:GLU:HB2	2.12	0.49
1:A:869:ARG:O	1:A:870:VAL:C	2.55	0.49
1:A:960:PRO:HA	1:A:963:GLU:CG	2.43	0.49
1:A:995:TYR:C	1:A:996:ARG:HG3	2.37	0.49
1:A:1005:VAL:O	1:A:1006:ARG:C	2.54	0.49
1:A:1188:CYS:C	1:A:1189:LEU:CD2	2.75	0.49
2:B:208:LEU:N	2:B:208:LEU:HD23	2.26	0.49
2:B:425:LEU:HB3	2:B:426:GLU:OE1	2.11	0.49
2:C:127:PRO:O	2:C:192:HIS:CD2	2.65	0.49
1:D:252:GLY:O	1:D:256:PRO:CG	2.58	0.49
1:D:275:ARG:CG	1:D:843:GLN:N	2.75	0.49
1:D:298:HIS:CE1	1:D:362:LEU:CD1	2.95	0.49
1:D:359:VAL:HG22	1:D:406:VAL:CG2	2.42	0.49
1:D:371:LYS:CA	1:D:374:ARG:CD	2.77	0.49
1:D:407:PHE:CE1	1:D:411:LEU:HD21	2.46	0.49
1:D:441:TRP:CD1	1:D:879:GLN:HA	2.45	0.49
1:D:607:TRP:O	1:D:608:ASP:OD1	2.30	0.49
1:D:607:TRP:HA	1:D:607:TRP:CE3	2.47	0.49
1:D:655:LEU:C	1:D:659:HIS:NE2	2.70	0.49
1:D:805:HIS:O	1:D:806:LYS:C	2.53	0.49
1:D:1027:LYS:O	1:D:1031:GLU:HG2	2.12	0.49
1:D:1031:GLU:OE2	1:D:1092:PHE:HD2	1.95	0.49
2:E:200:VAL:HG12	2:F:418:LEU:HD21	1.92	0.49
2:E:239:LEU:CB	2:E:338:VAL:HB	2.42	0.49
2:E:249:ASN:O	2:E:252:LEU:HB3	2.12	0.49
2:E:307:GLY:HA2	2:E:334:CYS:HB2	1.94	0.49
2:F:124:GLN:C	2:F:125:VAL:CG1	2.85	0.49
2:F:358:GLU:CG	2:F:359:ASN:N	2.75	0.49
2:F:384:ALA:CB	2:F:437:ILE:HD12	2.42	0.49
2:F:413:VAL:CG1	2:F:414:TRP:N	2.76	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:471:LEU:O	2:F:474:PHE:N	2.39	0.49
1:A:95:PRO:O	1:A:96:GLY:O	2.30	0.49
1:A:228:LEU:CD2	1:A:228:LEU:N	2.73	0.49
1:A:275:ARG:NH2	1:A:845:VAL:N	2.60	0.49
1:A:421:PRO:HG2	1:A:422:VAL:HG23	1.93	0.49
1:A:541:GLN:O	1:A:544:MET:HB3	2.12	0.49
1:A:583:PRO:O	1:A:584:ALA:HB3	2.12	0.49
1:A:599:THR:O	1:A:602:LEU:HB2	2.12	0.49
1:A:630:ASN:HD21	1:A:632:ALA:N	2.11	0.49
1:A:732:TYR:HE1	1:A:755:LYS:CG	2.24	0.49
1:A:762:VAL:O	1:A:764:SER:N	2.38	0.49
1:A:821:LEU:HD11	1:A:826:ILE:N	2.27	0.49
1:A:866:ARG:HB2	1:A:1069:ILE:HG21	1.94	0.49
1:A:878:VAL:HG12	1:A:879:GLN:HE22	1.77	0.49
1:A:979:ALA:O	1:A:980:GLU:C	2.55	0.49
1:A:1065:ALA:O	1:A:1066:THR:OG1	2.22	0.49
1:A:1144:GLU:O	1:A:1146:ARG:N	2.45	0.49
1:A:1209:ARG:HA	1:A:1209:ARG:HE	1.78	0.49
2:B:205:PRO:HG2	2:B:241:TRP:NE1	2.27	0.49
2:B:259:ARG:HB3	2:B:259:ARG:NH1	2.27	0.49
2:B:425:LEU:HD23	2:B:425:LEU:C	2.36	0.49
2:B:463:LYS:HD2	2:B:463:LYS:N	2.27	0.49
2:C:270:PRO:HA	2:C:273:PHE:HD2	1.77	0.49
2:C:425:LEU:O	2:C:428:LEU:HB2	2.12	0.49
2:C:484:ASN:O	2:C:485:VAL:C	2.55	0.49
1:D:224:CYS:O	1:D:228:LEU:HD23	2.11	0.49
1:D:260:ASP:OD2	1:D:261:TRP:CD2	2.65	0.49
1:D:275:ARG:HB3	1:D:843:GLN:OE1	2.12	0.49
1:D:298:HIS:HD2	1:D:407:PHE:CD1	2.30	0.49
1:D:561:LYS:O	1:D:562:ARG:CB	2.60	0.49
1:D:643:ALA:N	1:D:645:VAL:HB	2.26	0.49
1:D:756:ASP:N	1:D:756:ASP:OD1	2.44	0.49
1:D:853:ARG:HH12	1:D:1105:ALA:HB3	1.76	0.49
1:D:931:LEU:HA	1:D:934:LYS:HB3	1.93	0.49
1:D:1025:LEU:O	1:D:1027:LYS:N	2.43	0.49
1:D:1092:PHE:HA	1:D:1096:ARG:NH2	2.27	0.49
2:E:74:GLN:O	2:E:77:HIS:N	2.44	0.49
2:E:196:CYS:O	2:E:197:LEU:C	2.55	0.49
2:E:216:HIS:CD2	2:E:216:HIS:N	2.79	0.49
2:E:380:PRO:HG3	2:E:438:LEU:CD1	2.40	0.49
2:E:385:LEU:HB2	2:E:440:THR:HA	1.93	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:76:ARG:NH1	2:F:434:GLU:OE1	2.45	0.49
2:F:258:HIS:HA	2:F:261:GLN:OE1	2.12	0.49
2:F:306:LEU:O	2:F:335:VAL:HB	2.11	0.49
2:F:350:LEU:O	2:F:353:SER:OG	2.30	0.49
2:F:389:ARG:O	2:F:395:LEU:HD11	2.12	0.49
2:F:393:LEU:O	2:F:396:ARG:N	2.46	0.49
1:A:76:ILE:HG21	1:A:911:HIS:CE1	2.47	0.49
1:A:240:SER:HB3	1:A:241:PRO:CD	2.42	0.49
1:A:298:HIS:NE2	1:A:351:SER:O	2.45	0.49
1:A:353:VAL:O	1:A:354:ASN:CB	2.60	0.49
1:A:434:TYR:HA	1:A:841:LEU:CD2	2.41	0.49
1:A:572:TRP:CD1	2:C:477:LYS:HE2	2.47	0.49
1:A:580:LEU:HD23	1:A:596:MET:CE	2.42	0.49
1:A:657:ARG:O	1:A:658:LYS:C	2.53	0.49
1:A:772:PRO:HG2	1:A:773:LYS:H	1.77	0.49
1:A:1113:LEU:CB	1:A:1117:LYS:NZ	2.74	0.49
2:B:348:ALA:C	2:B:350:LEU:H	2.20	0.49
2:C:114:TRP:NE1	2:C:259:ARG:HH12	2.11	0.49
2:C:121:PHE:C	2:C:123:GLU:N	2.69	0.49
1:D:80:SER:C	1:D:83:LEU:HD22	2.37	0.49
1:D:173:GLU:C	1:D:220:TRP:HB3	2.38	0.49
1:D:371:LYS:O	1:D:372:GLU:CB	2.60	0.49
1:D:735:GLY:HA2	1:D:749:PHE:CA	2.43	0.49
1:D:840:ILE:O	1:D:841:LEU:CD2	2.60	0.49
1:D:972:ARG:C	1:D:974:THR:H	2.20	0.49
1:D:1051:GLY:O	1:D:1055:SER:N	2.45	0.49
1:D:1116:MET:HG3	1:D:1139:TYR:OH	2.13	0.49
1:D:1218:LEU:HB2	1:D:1223:ILE:HG22	1.90	0.49
2:E:432:TYR:HA	2:E:435:MET:CA	2.41	0.49
2:E:456:ARG:HD2	2:E:461:THR:CA	2.42	0.49
2:F:74:GLN:CG	2:F:75:ARG:N	2.75	0.49
2:F:78:PHE:CD2	2:F:79:LEU:CD2	2.95	0.49
2:F:80:SER:H	2:F:99:PHE:HA	1.78	0.49
2:F:239:LEU:H	2:F:338:VAL:HG11	1.53	0.49
2:F:239:LEU:HG	2:F:336:LEU:HD13	1.94	0.49
2:F:389:ARG:CG	2:F:445:GLU:OE2	2.58	0.49
2:F:424:SER:N	2:F:427:GLN:OE1	2.45	0.49
2:F:483:LYS:HG3	2:F:484:ASN:N	2.26	0.49
1:A:185:VAL:HG22	1:A:185:VAL:O	2.12	0.49
1:A:219:ALA:O	1:A:220:TRP:HE3	1.93	0.49
1:A:420:HIS:CG	1:A:421:PRO:HD2	2.47	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:467:ALA:CB	1:A:602:LEU:HD13	2.42	0.49
1:A:504:LYS:HD3	1:A:523:ASP:HB3	1.92	0.49
1:A:591:LEU:HD21	1:A:802:ARG:CZ	2.42	0.49
1:A:713:PRO:CA	1:A:719:LEU:HD13	2.42	0.49
1:A:856:GLU:OE1	1:A:859:TRP:HB2	2.11	0.49
1:A:1065:ALA:C	1:A:1066:THR:HG1	2.15	0.49
2:B:78:PHE:CD1	2:B:102:LEU:HB2	2.48	0.49
2:B:79:LEU:HA	2:B:100:GLY:N	2.27	0.49
2:B:403:PHE:CE1	2:B:413:VAL:HB	2.47	0.49
2:C:123:GLU:HG2	2:C:204:LEU:CD1	2.42	0.49
2:C:289:LEU:HD12	2:C:301:GLU:CB	2.35	0.49
2:C:347:LEU:O	2:C:350:LEU:HD13	2.12	0.49
2:C:431:LYS:HZ3	2:C:435:MET:CG	2.24	0.49
1:D:273:PHE:N	1:D:275:ARG:HB3	2.23	0.49
1:D:375:GLU:C	1:D:378:VAL:H	2.19	0.49
1:D:412:PRO:CG	1:D:413:LEU:H	2.23	0.49
1:D:549:LEU:C	1:D:551:LYS:HD2	2.38	0.49
1:D:748:TRP:CZ3	1:D:750:PHE:CE2	2.99	0.49
1:D:770:PHE:CE1	1:D:968:GLN:C	2.91	0.49
1:D:829:PRO:HG3	1:D:831:TYR:CE1	2.47	0.49
1:D:904:ASP:OD1	1:D:915:ALA:HB2	2.13	0.49
2:E:382:LYS:HE3	2:E:383:VAL:C	2.37	0.49
2:E:391:PRO:CD	2:E:395:LEU:HB2	2.39	0.49
2:E:425:LEU:C	2:E:426:GLU:OE1	2.55	0.49
2:E:466:MET:HG2	2:E:467:HIS:N	2.27	0.49
2:F:90:SER:HA	2:F:93:SER:OG	2.12	0.49
2:F:289:LEU:HD12	2:F:301:GLU:CB	2.32	0.49
2:F:291:TYR:HB2	2:F:300:ILE:HD11	1.95	0.49
2:F:368:HIS:NE2	2:F:370:LYS:CE	2.75	0.49
2:F:453:ILE:CG2	2:F:454:HIS:N	2.75	0.49
2:F:458:ARG:HD3	2:F:459:ASP:N	2.28	0.49
2:F:471:LEU:O	2:F:472:LYS:C	2.56	0.49
1:A:260:ASP:H	1:A:264:GLN:HE22	1.57	0.49
1:A:269:HIS:C	1:A:294:THR:OG1	2.55	0.49
1:A:420:HIS:CE1	1:A:421:PRO:HD2	2.47	0.49
1:A:485:LEU:O	1:A:489:GLU:OE2	2.31	0.49
1:A:657:ARG:HG2	1:A:744:ILE:HG21	1.94	0.49
1:A:719:LEU:H	1:A:719:LEU:CD2	2.23	0.49
1:A:812:MET:HE3	1:A:813:VAL:O	2.12	0.49
1:A:853:ARG:HH22	1:A:1105:ALA:HB3	1.72	0.49
1:A:869:ARG:O	1:A:1200:PRO:CA	2.58	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1043:VAL:CB	1:A:1046:GLU:HB3	2.41	0.49
1:A:1148:ARG:NH1	1:A:1148:ARG:CG	2.62	0.49
1:A:1223:ILE:HD13	1:A:1224:ILE:N	2.27	0.49
2:B:206:TYR:HD1	2:B:207:GLY:O	1.94	0.49
2:B:214:CYS:HB3	2:B:236:GLU:CD	2.38	0.49
2:C:78:PHE:CD1	2:C:103:GLY:CA	2.93	0.49
2:C:387:VAL:HG23	2:C:417:TYR:HA	1.95	0.49
1:D:95:PRO:HG2	1:D:99:ALA:HB2	1.89	0.49
1:D:361:ARG:NH2	1:D:362:LEU:HG	2.28	0.49
1:D:430:MET:SD	1:D:430:MET:O	2.70	0.49
1:D:435:LEU:O	1:D:839:ALA:CB	2.58	0.49
1:D:443:ARG:O	1:D:447:GLU:N	2.43	0.49
1:D:444:TYR:HE2	1:D:1210:TYR:HB2	1.78	0.49
1:D:494:GLU:H	1:D:573:TYR:HB2	1.77	0.49
1:D:504:LYS:HB2	1:D:523:ASP:C	2.38	0.49
1:D:615:SER:O	1:D:725:PRO:HG3	2.12	0.49
1:D:635:PRO:O	1:D:636:THR:HB	2.11	0.49
1:D:655:LEU:O	1:D:657:ARG:N	2.46	0.49
1:D:768:LYS:HE2	1:D:769:ASP:H	1.76	0.49
1:D:840:ILE:C	1:D:841:LEU:HD23	2.37	0.49
1:D:868:ASP:OD1	1:D:1199:THR:CG2	2.60	0.49
1:D:891:VAL:HA	1:D:894:GLN:OE1	2.10	0.49
1:D:1047:ARG:O	1:D:1051:GLY:N	2.43	0.49
1:D:1108:TYR:O	1:D:1109:LEU:C	2.54	0.49
1:D:1114:VAL:HA	1:D:1117:LYS:HD2	1.95	0.49
1:D:1118:TRP:CE2	1:D:1122:GLU:OE1	2.65	0.49
1:D:1180:PHE:O	1:D:1181:SER:C	2.56	0.49
1:D:1210:TYR:CD1	1:D:1211:GLY:N	2.80	0.49
1:D:1224:ILE:CD1	1:D:1228:LYS:HE3	2.42	0.49
2:E:86:LEU:HD23	2:E:97:PRO:HD2	1.95	0.49
2:E:88:ARG:N	2:E:88:ARG:CD	2.75	0.49
2:E:318:ASN:C	2:E:320:SER:N	2.70	0.49
2:E:323:HIS:O	2:E:325:ARG:N	2.45	0.49
2:E:328:ARG:N	2:E:328:ARG:CD	2.68	0.49
2:F:145:PHE:O	2:F:146:ARG:HG3	2.12	0.49
2:F:251:TRP:CZ3	2:F:254:PHE:CG	3.00	0.49
2:F:326:ASP:CG	2:F:329:LYS:CB	2.86	0.49
2:F:336:LEU:CD2	2:F:337:SER:O	2.61	0.49
2:F:371:VAL:CG2	2:F:433:ASP:O	2.60	0.49
2:F:433:ASP:C	2:F:435:MET:H	2.21	0.49
2:F:449:GLU:OE1	2:F:450:ASN:N	2.46	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:484:ASN:O	2:F:485:VAL:C	2.56	0.49
1:A:296:SER:HB2	1:A:847:ALA:CB	2.36	0.49
1:A:307:PHE:HB3	1:A:1055:SER:OG	2.13	0.49
1:A:455:LEU:CD1	1:A:798:ILE:HG22	2.40	0.49
1:A:500:ALA:O	1:A:501:LYS:HB2	2.12	0.49
1:A:613:HIS:NE2	1:A:716:PRO:HG3	2.28	0.49
1:A:659:HIS:CG	1:A:716:PRO:HA	2.47	0.49
1:A:869:ARG:N	1:A:872:SER:CB	2.75	0.49
1:A:947:LYS:O	1:A:951:TYR:HD1	1.95	0.49
1:A:1046:GLU:CD	1:A:1049:TRP:CD1	2.91	0.49
1:A:1207:GLU:O	1:A:1208:ARG:HB2	2.12	0.49
2:C:123:GLU:HG2	2:C:204:LEU:HD12	1.95	0.49
2:C:186:LEU:O	2:C:189:ALA:HB3	2.12	0.49
2:C:397:GLN:O	2:C:398:VAL:CG2	2.55	0.49
2:C:414:TRP:N	2:C:415:PRO:HD2	2.25	0.49
2:C:447:THR:HG22	2:C:455:LEU:CD1	2.43	0.49
2:C:452:LEU:O	2:C:453:ILE:HB	2.13	0.49
1:D:203:LEU:HB2	1:D:379:LYS:O	2.13	0.49
1:D:213:VAL:CB	1:D:401:TRP:CZ2	2.96	0.49
1:D:288:ARG:NH1	1:D:290:ARG:NH2	2.61	0.49
1:D:383:LYS:N	1:D:383:LYS:HD3	2.27	0.49
1:D:453:GLU:O	1:D:457:ARG:CG	2.59	0.49
1:D:459:MET:HB3	1:D:460:LYS:NZ	2.27	0.49
1:D:499:LYS:HZ2	1:D:499:LYS:CB	2.23	0.49
1:D:719:LEU:HD12	1:D:720:THR:CB	2.43	0.49
1:D:735:GLY:HA2	1:D:750:PHE:H	1.77	0.49
1:D:765:PRO:HG2	1:D:766:PHE:CE1	2.48	0.49
1:D:992:LEU:C	1:D:996:ARG:CD	2.86	0.49
1:D:1067:SER:CB	1:D:1073:PRO:HG2	2.42	0.49
1:D:1162:CYS:O	1:D:1165:ALA:N	2.46	0.49
2:E:129:ASP:HB2	2:F:99:PHE:O	2.12	0.49
2:E:183:GLU:CG	2:E:216:HIS:CD2	2.96	0.49
2:E:293:PHE:O	2:E:294:PRO:C	2.56	0.49
2:F:128:VAL:HG12	2:F:129:ASP:N	2.27	0.49
2:F:246:ARG:HD3	2:F:246:ARG:N	2.27	0.49
2:F:344:ARG:HA	2:F:347:LEU:CD1	2.39	0.49
1:A:196:VAL:CB	1:A:401:TRP:CZ3	2.86	0.49
1:A:212:ALA:H	1:A:221:TYR:HA	1.78	0.49
1:A:248:GLU:O	1:A:249:VAL:C	2.54	0.49
1:A:355:SER:O	1:A:407:PHE:CZ	2.66	0.49
1:A:732:TYR:CE1	1:A:755:LYS:CG	2.95	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:776:ASP:OD1	1:A:777:GLY:N	2.46	0.49
1:A:904:ASP:HB2	1:A:910:MET:C	2.37	0.49
1:A:992:LEU:HD13	1:A:993:ARG:N	2.26	0.49
2:B:67:GLU:HB3	2:B:70:LEU:CD1	2.43	0.49
2:B:128:VAL:HG21	2:B:208:LEU:HD12	1.94	0.49
2:B:280:ASP:HB3	2:B:281:GLU:HB2	1.93	0.49
2:B:432:TYR:HA	2:B:437:ILE:HD12	1.95	0.49
2:B:450:ASN:HD22	2:B:452:LEU:CD2	2.22	0.49
1:D:177:ARG:CB	1:D:218:SER:HB3	2.26	0.49
1:D:192:GLU:HG2	1:D:193:ARG:C	2.38	0.49
1:D:305:SER:HB2	1:D:308:GLN:CD	2.38	0.49
1:D:374:ARG:HH11	1:D:374:ARG:CG	2.25	0.49
1:D:374:ARG:NE	1:D:392:LEU:HG	2.27	0.49
1:D:439:GLN:CG	1:D:835:GLY:HA3	2.40	0.49
1:D:453:GLU:O	1:D:457:ARG:N	2.46	0.49
1:D:483:PRO:HG3	1:D:712:VAL:HG13	1.95	0.49
1:D:513:LEU:HB2	1:D:568:GLY:CA	2.32	0.49
1:D:515:ILE:HG12	1:D:568:GLY:O	2.13	0.49
1:D:546:ARG:NH2	2:F:408:GLU:CD	2.71	0.49
1:D:656:TYR:CA	1:D:659:HIS:CE1	2.95	0.49
1:D:770:PHE:HE1	1:D:968:GLN:C	2.21	0.49
1:D:801:TRP:CH2	1:D:805:HIS:ND1	2.75	0.49
1:D:873:GLU:OE1	1:D:1200:PRO:HG3	2.13	0.49
1:D:950:ASN:OD1	1:D:953:ARG:HD2	2.13	0.49
1:D:958:GLY:O	1:D:959:GLN:C	2.56	0.49
1:D:959:GLN:HG2	1:D:983:GLN:NE2	2.27	0.49
1:D:1056:GLU:CB	1:D:1057:MET:HE3	2.42	0.49
1:D:1065:ALA:O	1:D:1073:PRO:CG	2.59	0.49
2:E:113:GLU:HG3	2:E:378:LEU:CD1	2.42	0.49
2:E:325:ARG:HG2	2:E:330:ASN:N	2.27	0.49
2:F:354:PHE:O	2:F:354:PHE:CD2	2.66	0.49
2:F:385:LEU:CD2	2:F:402:LEU:HD23	2.42	0.49
2:F:432:TYR:HB3	2:F:437:ILE:CD1	2.41	0.49
1:A:214:ALA:CA	1:A:401:TRP:HZ2	2.20	0.49
1:A:233:TYR:O	1:A:234:SER:HB2	2.13	0.49
1:A:274:ASP:O	1:A:277:HIS:N	2.45	0.49
1:A:369:PRO:O	1:A:371:LYS:O	2.31	0.49
1:A:421:PRO:CG	1:A:422:VAL:H	2.26	0.49
1:A:548:CYS:O	1:A:552:LEU:HG	2.12	0.49
1:A:616:GLU:O	1:A:725:PRO:HD3	2.13	0.49
1:A:618:HIS:HB3	1:A:725:PRO:HB2	1.90	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:893:SER:O	1:A:894:GLN:C	2.55	0.49
2:B:79:LEU:C	2:B:100:GLY:HA3	2.38	0.49
2:B:403:PHE:CD1	2:B:415:PRO:HD3	2.48	0.49
2:C:203:ARG:O	2:C:204:LEU:HB3	2.09	0.49
2:C:243:THR:CG2	2:C:247:THR:OG1	2.61	0.49
2:C:282:GLU:C	2:C:284:ARG:N	2.71	0.49
2:C:306:LEU:HG	2:C:335:VAL:CG2	2.43	0.49
2:C:357:THR:HA	2:C:370:LYS:HZ3	1.73	0.49
2:C:389:ARG:NE	2:C:390:GLY:N	2.60	0.49
2:C:416:GLY:HA2	2:C:419:GLU:HB2	1.93	0.49
1:D:259:ARG:NE	1:D:259:ARG:CA	2.72	0.49
1:D:267:VAL:CG2	1:D:291:PHE:HE2	2.23	0.49
1:D:427:MET:C	1:D:846:THR:HG21	2.38	0.49
1:D:455:LEU:O	1:D:459:MET:HB2	2.12	0.49
1:D:546:ARG:NH2	2:F:408:GLU:OE2	2.45	0.49
1:D:630:ASN:HD21	1:D:632:ALA:HB2	1.76	0.49
1:D:985:MET:O	1:D:986:TYR:C	2.56	0.49
1:D:1195:MET:C	1:D:1196:ASP:O	2.49	0.49
2:E:67:GLU:CG	2:E:70:LEU:HD11	2.37	0.49
2:E:268:MET:SD	2:E:373:LYS:HD3	2.52	0.49
2:E:289:LEU:C	2:E:290:TYR:CG	2.91	0.49
2:F:130:ALA:O	2:F:131:LEU:HD13	2.13	0.49
2:F:208:LEU:CD2	2:F:242:PHE:CE2	2.93	0.49
2:F:363:ARG:CZ	2:F:363:ARG:CB	2.90	0.49
2:F:435:MET:O	2:F:435:MET:SD	2.71	0.49
1:A:301:ILE:CG2	1:A:302:SER:H	2.26	0.49
1:A:371:LYS:C	1:A:372:GLU:CG	2.79	0.49
1:A:384:ASP:O	1:A:387:GLU:HG3	2.12	0.49
1:A:410:GLN:O	1:A:414:PHE:CE2	2.66	0.49
1:A:436:PRO:HB2	1:A:879:GLN:HE21	1.78	0.49
1:A:614:TYR:CE2	1:A:620:TRP:CE3	3.01	0.49
1:A:789:PRO:O	1:A:793:GLU:CG	2.61	0.49
1:A:879:GLN:CB	1:A:1189:LEU:HD21	2.43	0.49
1:A:914:THR:OG1	1:A:999:ASP:CB	2.60	0.49
1:A:1024:ASP:HA	1:A:1026:ARG:CZ	2.43	0.49
1:A:1064:ILE:HD12	1:A:1064:ILE:N	2.27	0.49
2:B:217:PRO:CB	2:B:232:GLY:H	2.26	0.49
2:C:336:LEU:HD23	2:C:337:SER:CA	2.43	0.49
2:C:375:HIS:CD2	2:C:377:CYS:HB2	2.47	0.49
1:D:83:LEU:C	1:D:87:ILE:O	2.56	0.49
1:D:169:TRP:O	1:D:169:TRP:CG	2.66	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:279:ARG:CG	1:D:841:LEU:HB3	2.43	0.49
1:D:297:MET:HG2	1:D:411:LEU:CD1	2.43	0.49
1:D:406:VAL:O	1:D:410:GLN:HB2	2.12	0.49
1:D:504:LYS:HZ1	1:D:525:MET:HG2	1.78	0.49
1:D:505:LYS:O	1:D:506:GLU:HB3	2.13	0.49
1:D:649:TYR:CE2	1:D:652:ILE:HG21	2.47	0.49
1:D:749:PHE:N	1:D:749:PHE:CD1	2.80	0.49
1:D:807:ARG:HH22	1:D:1061:LEU:HD12	1.78	0.49
1:D:907:PHE:N	1:D:907:PHE:CD1	2.80	0.49
1:D:1026:ARG:O	1:D:1029:GLN:HB2	2.13	0.49
1:D:1042:GLU:C	1:D:1044:VAL:N	2.69	0.49
1:D:1141:VAL:N	1:D:1146:ARG:NH2	2.57	0.49
1:D:1193:VAL:O	1:D:1195:MET:HE2	2.13	0.49
1:D:1208:ARG:HH22	2:F:285:LYS:HD2	1.72	0.49
2:F:115:TRP:CD1	2:F:119:VAL:HG21	2.48	0.49
2:F:341:ASP:OD1	2:F:342:LEU:N	2.41	0.49
2:F:342:LEU:HB3	2:F:344:ARG:HD3	1.92	0.49
1:A:127:LEU:HD23	1:A:128:PRO:CD	2.37	0.48
1:A:175:TRP:HB2	1:A:184:ALA:N	2.27	0.48
1:A:214:ALA:HA	1:A:401:TRP:CH2	2.47	0.48
1:A:415:LEU:C	1:A:417:ARG:H	2.21	0.48
1:A:549:LEU:CD1	2:C:401:GLY:HA3	2.43	0.48
1:A:605:LEU:N	1:A:717:LEU:HD21	2.27	0.48
1:A:656:TYR:CD1	1:A:744:ILE:CD1	2.92	0.48
1:A:744:ILE:HG12	1:A:745:PRO:HD2	1.94	0.48
1:A:754:HIS:CE1	1:A:762:VAL:HA	2.48	0.48
1:A:1024:ASP:O	1:A:1026:ARG:CD	2.61	0.48
1:A:1164:PHE:O	1:A:1168:LEU:HG	2.12	0.48
2:B:81:GLY:CA	2:B:86:LEU:HD11	2.44	0.48
2:B:182:ARG:O	2:B:215:PHE:N	2.46	0.48
2:B:205:PRO:CG	2:B:241:TRP:HE1	2.26	0.48
2:B:217:PRO:CB	2:B:231:ILE:HB	2.43	0.48
2:B:343:ASP:CG	2:B:344:ARG:HH21	2.18	0.48
2:B:387:VAL:CG1	2:B:396:ARG:HB2	2.43	0.48
2:C:145:PHE:O	2:C:146:ARG:CG	2.61	0.48
2:C:243:THR:N	2:C:334:CYS:H	2.11	0.48
2:C:325:ARG:NH1	2:C:325:ARG:CG	2.70	0.48
1:D:113:TRP:HZ3	1:D:116:PRO:HD2	1.76	0.48
1:D:192:GLU:OE2	1:D:258:GLN:NE2	2.46	0.48
1:D:281:GLN:HA	1:D:284:ILE:HD11	1.95	0.48
1:D:301:ILE:HG22	1:D:302:SER:N	2.28	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:306:SER:HB2	1:D:1058:PHE:CZ	2.48	0.48
1:D:768:LYS:H	1:D:772:PRO:HD3	1.77	0.48
1:D:920:THR:OG1	1:D:921:LEU:HD12	2.13	0.48
1:D:1069:ILE:CG2	1:D:1070:PRO:N	2.74	0.48
2:E:299:LEU:HD23	2:E:299:LEU:C	2.38	0.48
2:E:407:LEU:CA	2:E:411:ILE:O	2.61	0.48
2:F:88:ARG:HB3	2:F:88:ARG:CZ	2.42	0.48
2:F:106:LEU:O	2:F:107:ARG:C	2.53	0.48
2:F:127:PRO:CD	2:F:210:GLN:CB	2.72	0.48
1:A:371:LYS:HZ1	1:A:400:VAL:CG2	2.26	0.48
1:A:659:HIS:CD2	1:A:720:THR:HG22	2.48	0.48
1:A:789:PRO:HA	1:A:792:LEU:CD1	2.38	0.48
1:A:853:ARG:NH2	1:A:1105:ALA:HB1	2.28	0.48
1:A:916:PHE:CD1	1:A:919:MET:CB	2.96	0.48
1:A:930:ASP:C	1:A:933:SER:HB3	2.39	0.48
1:A:967:MET:CG	1:A:978:ALA:HB2	2.43	0.48
1:A:1016:GLU:OE2	1:A:1022:LEU:HD21	2.14	0.48
1:A:1156:THR:O	1:A:1160:THR:OG1	2.31	0.48
2:B:234:LYS:CG	2:B:341:ASP:OD2	2.61	0.48
2:C:203:ARG:HG2	2:C:325:ARG:NE	2.28	0.48
2:C:251:TRP:HE3	2:C:254:PHE:HB3	1.78	0.48
2:C:357:THR:O	2:C:359:ASN:N	2.43	0.48
2:C:367:LEU:C	2:C:367:LEU:HD12	2.38	0.48
2:C:385:LEU:O	2:C:416:GLY:CA	2.54	0.48
2:C:440:THR:O	2:C:457:SER:CB	2.61	0.48
1:D:195:LEU:C	1:D:267:VAL:HG12	2.38	0.48
1:D:274:ASP:O	1:D:278:ILE:HG12	2.13	0.48
1:D:549:LEU:N	1:D:551:LYS:CD	2.75	0.48
1:D:592:LEU:H	1:D:592:LEU:HD12	1.77	0.48
1:D:849:THR:CG2	1:D:851:THR:HB	2.43	0.48
1:D:887:VAL:CG2	1:D:1146:ARG:NH1	2.76	0.48
1:D:987:ALA:O	1:D:991:GLY:CA	2.61	0.48
1:D:1025:LEU:C	1:D:1026:ARG:HD3	2.37	0.48
1:D:1212:ILE:HD12	1:D:1213:PRO:HD3	1.94	0.48
2:E:215:PHE:C	2:E:216:HIS:HD2	2.21	0.48
2:E:306:LEU:HB2	2:E:335:VAL:CG1	2.43	0.48
2:E:404:ASN:C	2:E:406:LEU:H	2.21	0.48
2:F:125:VAL:CG2	2:F:208:LEU:CA	2.75	0.48
2:F:264:ARG:HA	2:F:270:PRO:CB	2.43	0.48
2:F:308:ASP:OD2	2:F:334:CYS:HA	2.12	0.48
2:F:395:LEU:CB	2:F:443:VAL:CG2	2.86	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:97:GLU:O	1:A:98:ALA:C	2.54	0.48
1:A:241:PRO:C	1:A:244:LEU:HB2	2.38	0.48
1:A:347:TRP:O	1:A:348:LEU:O	2.31	0.48
1:A:438:ASN:C	1:A:440:ASN:N	2.64	0.48
1:A:449:GLN:CA	1:A:452:TYR:CE1	2.95	0.48
1:A:556:THR:HG23	2:C:452:LEU:CD2	2.43	0.48
1:A:560:PRO:CG	2:C:452:LEU:HD21	2.43	0.48
1:A:610:PHE:HB3	1:A:671:GLN:OE1	2.13	0.48
1:A:612:LEU:C	1:A:612:LEU:HD12	2.38	0.48
1:A:788:GLY:HA2	1:A:791:ALA:CB	2.43	0.48
1:A:866:ARG:HB3	1:A:867:PRO:CD	2.35	0.48
1:A:907:PHE:O	1:A:908:ALA:HB3	2.14	0.48
1:A:1027:LYS:O	1:A:1031:GLU:HB2	2.13	0.48
1:A:1064:ILE:C	1:A:1066:THR:H	2.21	0.48
1:A:1198:LYS:HG3	1:A:1204:THR:HG23	1.89	0.48
2:B:87:SER:O	2:B:89:ASP:N	2.46	0.48
2:B:105:GLU:C	2:B:105:GLU:CD	2.82	0.48
2:B:234:LYS:HB3	2:B:341:ASP:OD2	2.14	0.48
2:B:236:GLU:CG	2:B:341:ASP:CB	2.91	0.48
2:B:259:ARG:HD2	2:B:262:TRP:CG	2.49	0.48
2:B:391:PRO:HD2	2:B:392:THR:H	1.78	0.48
2:B:400:GLN:NE2	2:B:417:TYR:CB	2.77	0.48
2:C:342:LEU:HD23	2:C:342:LEU:O	2.13	0.48
2:C:371:VAL:CG2	2:C:433:ASP:O	2.62	0.48
2:C:454:HIS:CA	2:C:466:MET:O	2.61	0.48
1:D:423:THR:HG22	1:D:424:LEU:HD23	1.95	0.48
1:D:432:VAL:O	1:D:433:SER:O	2.31	0.48
1:D:484:TRP:NE1	1:D:488:LEU:HD11	2.28	0.48
1:D:547:ALA:C	1:D:551:LYS:CD	2.85	0.48
1:D:791:ALA:O	1:D:795:ASN:ND2	2.38	0.48
1:D:1003:TRP:CH2	1:D:1101:VAL:HG22	2.48	0.48
1:D:1116:MET:HE1	1:D:1152:ALA:C	2.38	0.48
1:D:1204:THR:C	1:D:1207:GLU:H	2.21	0.48
2:F:257:ARG:O	2:F:261:GLN:OE1	2.31	0.48
2:F:289:LEU:O	2:F:299:LEU:O	2.32	0.48
2:F:335:VAL:O	2:F:335:VAL:HG13	2.13	0.48
1:A:235:TRP:HD1	1:A:236:THR:HG1	1.61	0.48
1:A:275:ARG:O	1:A:278:ILE:HB	2.14	0.48
1:A:301:ILE:O	1:A:1024:ASP:OD2	2.32	0.48
1:A:490:TRP:CA	1:A:580:LEU:HB2	2.41	0.48
1:A:638:THR:HG23	1:A:642:SER:HG	1.75	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:793:GLU:O	1:A:797:MET:HG3	2.13	0.48
1:A:824:ALA:C	1:A:827:ARG:H	2.22	0.48
1:A:863:SER:O	1:A:875:LYS:HD2	2.14	0.48
1:A:930:ASP:OD2	1:A:930:ASP:O	2.32	0.48
1:A:960:PRO:HD2	1:A:961:PHE:CD1	2.48	0.48
1:A:992:LEU:HB2	1:A:997:LEU:CB	2.43	0.48
1:A:1029:GLN:H	1:A:1029:GLN:HG3	1.16	0.48
1:A:1195:MET:O	1:A:1196:ASP:CG	2.56	0.48
1:A:1196:ASP:OD2	1:A:1197:CYS:N	2.46	0.48
2:B:200:VAL:HB	2:B:203:ARG:HG2	1.95	0.48
2:B:261:GLN:O	2:B:262:TRP:C	2.55	0.48
2:B:309:HIS:CB	2:B:312:LEU:HB2	2.43	0.48
2:B:419:GLU:HA	2:C:203:ARG:HD2	1.95	0.48
2:C:99:PHE:HB2	2:C:103:GLY:HA3	1.95	0.48
2:C:280:ASP:C	2:C:282:GLU:H	2.21	0.48
1:D:110:HIS:O	1:D:112:LEU:HD12	2.13	0.48
1:D:241:PRO:HG2	1:D:382:MET:HE1	1.94	0.48
1:D:376:LEU:HD12	1:D:379:LYS:NZ	2.28	0.48
1:D:407:PHE:CE1	1:D:411:LEU:HD11	2.49	0.48
1:D:473:LEU:HA	2:F:461:THR:CG2	2.44	0.48
1:D:512:LYS:HE2	1:D:514:PRO:HD3	1.95	0.48
1:D:623:LEU:HD23	1:D:623:LEU:H	1.78	0.48
1:D:776:ASP:OD1	1:D:776:ASP:C	2.57	0.48
1:D:1191:LYS:HE2	1:D:1191:LYS:HA	1.95	0.48
2:E:235:THR:H	2:E:343:ASP:CG	2.22	0.48
2:E:456:ARG:CA	2:E:462:MET:O	2.57	0.48
2:E:471:LEU:HA	2:E:474:PHE:HB3	1.95	0.48
2:F:186:LEU:O	2:F:187:HIS:C	2.56	0.48
2:F:196:CYS:O	2:F:199:LEU:CB	2.61	0.48
2:F:235:THR:O	2:F:341:ASP:CG	2.57	0.48
2:F:254:PHE:HA	2:F:257:ARG:CD	2.43	0.48
2:F:342:LEU:HD23	2:F:342:LEU:C	2.38	0.48
2:F:371:VAL:CG2	2:F:433:ASP:HB3	2.43	0.48
2:F:471:LEU:CA	2:F:474:PHE:HB3	2.42	0.48
1:A:278:ILE:HG22	1:A:278:ILE:O	2.14	0.48
1:A:389:PHE:CG	1:A:390:GLN:N	2.82	0.48
1:A:402:ALA:O	1:A:403:THR:C	2.56	0.48
1:A:421:PRO:HG2	1:A:422:VAL:CG2	2.43	0.48
1:A:549:LEU:HD11	2:C:401:GLY:HA3	1.94	0.48
1:A:570:PRO:HG2	1:A:571:GLY:H	1.78	0.48
1:A:931:LEU:O	1:A:932:HIS:C	2.56	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:134:LYS:NZ	2:B:137:PRO:HD2	2.29	0.48
2:B:277:ASP:HA	2:B:287:ASN:OD1	2.12	0.48
2:C:248:SER:OG	2:C:249:ASN:N	2.46	0.48
2:C:306:LEU:HG	2:C:335:VAL:HG21	1.94	0.48
2:C:346:MET:O	2:C:350:LEU:CD1	2.62	0.48
2:C:399:CYS:SG	2:C:417:TYR:CG	3.07	0.48
1:D:248:GLU:OE1	1:D:250:PRO:HD2	2.12	0.48
1:D:277:HIS:HB3	1:D:291:PHE:CZ	2.48	0.48
1:D:347:TRP:CZ2	1:D:1030:ARG:NH1	2.82	0.48
1:D:547:ALA:CA	1:D:551:LYS:CE	2.88	0.48
1:D:634:LEU:HD22	1:D:635:PRO:CD	2.34	0.48
1:D:776:ASP:CA	1:D:796:LYS:NZ	2.76	0.48
1:D:946:ALA:CA	1:D:949:PHE:CE2	2.83	0.48
1:D:989:THR:C	1:D:998:SER:HB3	2.38	0.48
1:D:1015:THR:HG21	1:D:1026:ARG:HB3	1.95	0.48
1:D:1060:LYS:O	1:D:1063:SER:O	2.31	0.48
1:D:1131:ILE:HD11	1:D:1138:ARG:O	2.13	0.48
1:D:1133:ILE:HB	1:D:1136:GLU:CB	2.12	0.48
2:E:101:PRO:HG3	2:F:128:VAL:CG2	2.43	0.48
2:E:267:ALA:O	2:E:270:PRO:HD3	2.13	0.48
2:E:380:PRO:CA	2:E:438:LEU:CD1	2.92	0.48
2:E:382:LYS:O	2:E:383:VAL:HG23	2.13	0.48
2:E:386:ASP:O	2:E:387:VAL:HG13	2.14	0.48
2:F:86:LEU:O	2:F:91:LEU:HB2	2.13	0.48
2:F:127:PRO:HG2	2:F:128:VAL:N	2.28	0.48
2:F:241:TRP:CB	2:F:336:LEU:CD1	2.59	0.48
2:F:265:LYS:HG3	2:F:485:VAL:HG11	1.95	0.48
2:F:360:SER:HA	2:F:363:ARG:CG	2.44	0.48
2:F:415:PRO:CB	2:F:417:TYR:CE2	2.91	0.48
1:A:176:THR:O	1:A:220:TRP:CZ3	2.66	0.48
1:A:214:ALA:N	1:A:401:TRP:CZ2	2.82	0.48
1:A:267:VAL:HG12	1:A:269:HIS:CE1	2.49	0.48
1:A:269:HIS:O	1:A:294:THR:N	2.45	0.48
1:A:556:THR:O	1:A:559:LEU:HB3	2.13	0.48
1:A:601:LYS:C	1:A:602:LEU:O	2.45	0.48
1:A:640:LEU:N	1:A:640:LEU:CD2	2.64	0.48
1:A:783:PRO:HG2	2:C:363:ARG:HD2	1.96	0.48
1:A:914:THR:N	1:A:918:TRP:HB2	2.29	0.48
1:A:996:ARG:CZ	1:A:1003:TRP:CB	2.87	0.48
1:A:1006:ARG:HA	1:A:1006:ARG:HH11	1.62	0.48
1:A:1099:TRP:O	1:A:1103:SER:OG	2.22	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1151:LEU:O	1:A:1152:ALA:C	2.56	0.48
2:B:80:SER:N	2:B:100:GLY:HA3	2.29	0.48
2:B:90:SER:CA	2:B:93:SER:OG	2.59	0.48
2:B:116:THR:O	2:B:121:PHE:CD2	2.63	0.48
2:C:90:SER:HA	2:C:93:SER:OG	2.13	0.48
2:C:121:PHE:C	2:C:123:GLU:H	2.21	0.48
2:C:127:PRO:CD	2:C:210:GLN:CB	2.78	0.48
2:C:131:LEU:O	2:C:182:ARG:HD3	2.13	0.48
2:C:322:LEU:HD13	2:C:322:LEU:C	2.36	0.48
2:C:375:HIS:HB3	2:C:378:LEU:HD22	1.94	0.48
1:D:253:ALA:O	1:D:254:SER:CB	2.60	0.48
1:D:375:GLU:O	1:D:379:LYS:CG	2.55	0.48
1:D:410:GLN:O	1:D:414:PHE:HD2	1.97	0.48
1:D:604:ALA:CA	1:D:613:HIS:HE1	2.11	0.48
1:D:829:PRO:O	1:D:829:PRO:HD2	2.14	0.48
1:D:869:ARG:CA	1:D:1200:PRO:CB	2.91	0.48
1:D:1024:ASP:C	1:D:1026:ARG:N	2.71	0.48
1:D:1193:VAL:CG2	1:D:1215:GLY:H	2.26	0.48
1:D:1208:ARG:NH1	2:F:285:LYS:CD	2.57	0.48
2:E:191:GLU:HG3	2:E:192:HIS:CD2	2.49	0.48
2:E:344:ARG:C	2:E:346:MET:N	2.70	0.48
2:E:389:ARG:C	2:E:389:ARG:NE	2.70	0.48
2:F:70:LEU:O	2:F:71:GLU:C	2.57	0.48
2:F:146:ARG:HB2	2:F:228:VAL:HG11	1.95	0.48
2:F:266:PHE:HB2	2:F:349:TYR:OH	2.14	0.48
2:F:414:TRP:N	2:F:415:PRO:HD2	2.28	0.48
1:A:106:HIS:O	1:A:113:TRP:NE1	2.32	0.48
1:A:128:PRO:N	1:A:129:PRO:CD	2.76	0.48
1:A:165:LYS:CG	1:A:178:TYR:HB2	2.44	0.48
1:A:358:LEU:N	1:A:358:LEU:HD23	2.28	0.48
1:A:401:TRP:O	1:A:402:ALA:C	2.56	0.48
1:A:414:PHE:CA	1:A:417:ARG:HB2	2.44	0.48
1:A:954:ILE:HG22	1:A:955:TYR:N	2.28	0.48
1:A:1040:LYS:C	1:A:1042:GLU:H	2.20	0.48
1:A:1157:ASN:HB3	1:A:1161:ARG:NH1	2.28	0.48
2:B:95:CYS:O	2:B:96:HIS:C	2.56	0.48
2:B:245:PRO:O	2:B:248:SER:HB3	2.14	0.48
2:B:336:LEU:HG	2:B:337:SER:H	1.79	0.48
2:C:193:TYR:OH	2:C:333:PRO:HG3	2.13	0.48
2:C:239:LEU:CA	2:C:338:VAL:HG12	2.41	0.48
1:D:102:ARG:O	1:D:106:HIS:HD2	1.96	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:412:PRO:CG	1:D:413:LEU:N	2.76	0.48
1:D:597:ARG:O	1:D:598:VAL:C	2.56	0.48
1:D:779:LEU:HD22	1:D:780:GLN:HA	1.94	0.48
1:D:790:ARG:C	1:D:792:LEU:N	2.71	0.48
1:D:829:PRO:O	1:D:830:ASP:OD2	2.32	0.48
1:D:860:LEU:CD2	1:D:1133:ILE:HD12	2.44	0.48
1:D:868:ASP:OD1	1:D:1199:THR:HB	2.14	0.48
1:D:923:GLY:O	1:D:931:LEU:HD11	2.12	0.48
1:D:1133:ILE:HG22	1:D:1134:HIS:HD2	1.79	0.48
1:D:1159:LEU:O	1:D:1162:CYS:HB2	2.14	0.48
1:D:1222:GLN:O	1:D:1226:LEU:CD2	2.55	0.48
2:E:120:VAL:HG22	2:F:407:LEU:CD2	2.43	0.48
2:E:203:ARG:CZ	2:F:418:LEU:HD13	2.43	0.48
2:E:243:THR:CG2	2:E:248:SER:HA	2.44	0.48
2:E:247:THR:HG23	2:E:250:GLN:HG3	1.96	0.48
2:E:294:PRO:HD2	2:E:351:TYR:CD2	2.49	0.48
2:E:302:THR:O	2:E:303:LEU:HD12	2.11	0.48
2:F:190:LEU:O	2:F:193:TYR:CB	2.49	0.48
2:F:347:LEU:CD1	2:F:347:LEU:N	2.77	0.48
1:A:79:LEU:HB3	1:A:83:LEU:HD21	1.96	0.48
1:A:204:ALA:C	1:A:206:GLY:N	2.72	0.48
1:A:287:SER:O	1:A:288:ARG:NE	2.47	0.48
1:A:377:PHE:O	1:A:378:VAL:CB	2.61	0.48
1:A:423:THR:O	1:A:427:MET:HG2	2.13	0.48
1:A:539:PHE:CD2	1:A:539:PHE:C	2.92	0.48
1:A:547:ALA:HA	1:A:550:GLN:OE1	2.14	0.48
1:A:626:GLY:O	1:A:627:ARG:HB3	2.13	0.48
1:A:727:ASP:O	1:A:728:THR:OG1	2.31	0.48
1:A:761:ASN:O	1:A:762:VAL:C	2.55	0.48
1:A:795:ASN:ND2	1:A:796:LYS:HG3	2.28	0.48
1:A:867:PRO:HG2	1:A:1067:SER:OG	2.12	0.48
1:A:1144:GLU:HG3	1:A:1145:ASP:OD1	2.14	0.48
1:A:1218:LEU:O	1:A:1222:GLN:CD	2.57	0.48
2:B:285:LYS:O	2:B:305:ASN:HB2	2.13	0.48
2:B:342:LEU:C	2:B:342:LEU:CD1	2.86	0.48
2:C:70:LEU:O	2:C:73:CYS:HB2	2.14	0.48
2:C:327:GLY:O	2:C:328:ARG:HB3	2.14	0.48
2:C:338:VAL:C	2:C:339:ASN:O	2.52	0.48
2:C:397:GLN:O	2:C:399:CYS:N	2.46	0.48
2:C:419:GLU:CG	2:C:432:TYR:OH	2.61	0.48
2:C:435:MET:CE	2:C:435:MET:CA	2.84	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:136:ASP:OD1	1:D:136:ASP:C	2.57	0.48
1:D:297:MET:HG2	1:D:411:LEU:HD13	1.96	0.48
1:D:520:ALA:N	1:D:521:PRO:HD3	2.28	0.48
1:D:575:LYS:HG2	1:D:581:ASP:O	2.14	0.48
1:D:633:LYS:HD3	1:D:638:THR:HG21	1.92	0.48
1:D:886:LEU:HA	1:D:1146:ARG:NH2	2.28	0.48
1:D:1005:VAL:HG23	1:D:1006:ARG:N	2.28	0.48
1:D:1047:ARG:O	1:D:1048:ALA:C	2.56	0.48
1:D:1058:PHE:CD2	1:D:1059:ASN:N	2.82	0.48
2:E:105:GLU:O	2:E:109:ASN:OD1	2.31	0.48
2:E:120:VAL:HG12	2:E:121:PHE:HD1	1.79	0.48
2:E:194:VAL:CG1	2:E:195:ASN:H	2.26	0.48
2:E:203:ARG:NH2	2:F:418:LEU:HD11	2.29	0.48
2:E:332:VAL:N	2:E:333:PRO:CD	2.76	0.48
2:F:88:ARG:CB	2:F:88:ARG:CZ	2.91	0.48
2:F:239:LEU:HB3	2:F:338:VAL:HG13	1.96	0.48
2:F:351:TYR:O	2:F:355:GLN:HB2	2.10	0.48
2:F:353:SER:OG	2:F:354:PHE:N	2.47	0.48
2:F:375:HIS:CD2	2:F:377:CYS:HB2	2.49	0.48
2:F:416:GLY:HA2	2:F:419:GLU:HB2	1.95	0.48
2:F:422:GLN:O	2:F:423:SER:OG	2.24	0.48
1:A:168:ALA:C	1:A:169:TRP:CG	2.91	0.48
1:A:304:LEU:HD23	1:A:1025:LEU:HD13	1.96	0.48
1:A:448:ALA:C	1:A:870:VAL:CG1	2.86	0.48
1:A:595:GLN:O	1:A:597:ARG:N	2.47	0.48
1:A:755:LYS:O	1:A:758:ASN:HA	2.14	0.48
1:A:878:VAL:C	1:A:879:GLN:HE21	2.21	0.48
1:A:879:GLN:HB2	1:A:1189:LEU:HD21	1.96	0.48
1:A:996:ARG:NH1	1:A:1000:GLU:O	2.25	0.48
1:A:1131:ILE:HD13	1:A:1137:VAL:C	2.38	0.48
1:A:1161:ARG:O	1:A:1162:CYS:C	2.55	0.48
2:B:250:GLN:C	2:B:252:LEU:H	2.22	0.48
2:B:269:SER:O	2:B:272:ASN:CG	2.57	0.48
2:B:419:GLU:CD	2:C:201:ASN:ND2	2.71	0.48
2:B:453:ILE:H	2:B:453:ILE:CD1	2.24	0.48
2:C:256:LEU:O	2:C:257:ARG:C	2.57	0.48
2:C:303:LEU:HD12	2:C:339:ASN:OD1	2.14	0.48
2:C:399:CYS:SG	2:C:417:TYR:CD2	3.07	0.48
2:C:456:ARG:CB	2:C:463:LYS:HB3	2.44	0.48
1:D:256:PRO:CG	1:D:281:GLN:HA	2.44	0.48
1:D:454:GLU:CA	1:D:457:ARG:HG3	2.43	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:671:GLN:NE2	1:D:671:GLN:CA	2.75	0.48
1:D:989:THR:C	1:D:998:SER:CB	2.87	0.48
1:D:1116:MET:HE3	1:D:1156:THR:OG1	2.13	0.48
2:E:79:LEU:C	2:E:100:GLY:CA	2.86	0.48
2:E:441:VAL:HG22	2:E:455:LEU:HB3	1.96	0.48
2:F:217:PRO:CB	2:F:219:PHE:CE1	2.90	0.48
2:F:243:THR:CA	2:F:334:CYS:HB2	2.44	0.48
2:F:290:TYR:CD1	2:F:299:LEU:HD22	2.49	0.48
2:F:372:LEU:HD11	2:F:436:SER:OG	2.11	0.48
2:F:387:VAL:HG11	2:F:396:ARG:HA	1.96	0.48
1:A:121:PRO:O	1:A:1175:GLN:NE2	2.35	0.48
1:A:210:THR:HB	1:A:224:CYS:SG	2.53	0.48
1:A:301:ILE:HD11	1:A:414:PHE:HB3	1.96	0.48
1:A:483:PRO:HB3	1:A:712:VAL:CG1	2.42	0.48
1:A:605:LEU:O	1:A:781:ALA:HB3	2.14	0.48
1:A:608:ASP:C	1:A:779:LEU:HD22	2.39	0.48
1:A:624:VAL:HG21	1:A:747:CYS:SG	2.54	0.48
1:A:658:LYS:O	1:A:660:CYS:N	2.47	0.48
1:A:764:SER:O	1:A:767:ALA:HB2	2.13	0.48
1:A:916:PHE:O	1:A:920:THR:CA	2.62	0.48
1:A:1054:GLU:O	1:A:1058:PHE:CD2	2.65	0.48
2:B:74:GLN:HE21	2:B:77:HIS:CD2	2.32	0.48
2:B:213:VAL:HA	2:B:235:THR:CA	2.43	0.48
2:B:313:HIS:O	2:B:316:PRO:CD	2.55	0.48
2:B:315:TYR:CB	2:B:322:LEU:HD11	2.44	0.48
2:B:437:ILE:O	2:B:458:ARG:CZ	2.62	0.48
2:B:450:ASN:ND2	2:B:452:LEU:HD23	2.24	0.48
2:C:74:GLN:CG	2:C:75:ARG:N	2.76	0.48
2:C:78:PHE:CD2	2:C:79:LEU:CD2	2.97	0.48
2:C:306:LEU:H	2:C:335:VAL:HG21	1.77	0.48
1:D:73:PRO:HG2	1:D:90:GLN:HG2	1.90	0.48
1:D:195:LEU:H	1:D:265:LEU:CG	2.27	0.48
1:D:195:LEU:HD21	1:D:217:PRO:HD2	1.96	0.48
1:D:242:ALA:CB	1:D:245:ILE:CG2	2.92	0.48
1:D:282:TYR:CE2	1:D:432:VAL:CA	2.93	0.48
1:D:282:TYR:CD2	1:D:432:VAL:O	2.66	0.48
1:D:282:TYR:O	1:D:285:GLN:HG2	2.12	0.48
1:D:439:GLN:C	1:D:441:TRP:N	2.66	0.48
1:D:450:GLY:O	1:D:454:GLU:HG3	2.14	0.48
1:D:456:GLN:O	1:D:460:LYS:CD	2.62	0.48
1:D:484:TRP:NE1	1:D:488:LEU:CD1	2.77	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:741:ASP:OD1	1:D:741:ASP:N	2.47	0.48
1:D:743:ASP:HB2	1:D:744:ILE:CD1	2.43	0.48
1:D:867:PRO:C	1:D:868:ASP:CG	2.82	0.48
1:D:1002:GLU:HG2	1:D:1003:TRP:H	1.79	0.48
1:D:1198:LYS:CA	1:D:1204:THR:CB	2.85	0.48
2:E:109:ASN:CG	2:E:378:LEU:HB3	2.39	0.48
2:E:131:LEU:HD23	2:E:132:HIS:H	1.79	0.48
2:E:297:LYS:O	2:E:298:GLU:CB	2.62	0.48
2:E:437:ILE:CG2	2:E:439:PHE:C	2.86	0.48
2:F:125:VAL:C	2:F:126:PHE:CG	2.92	0.48
2:F:183:GLU:HA	2:F:183:GLU:OE2	2.14	0.48
2:F:243:THR:CB	2:F:334:CYS:HB2	2.44	0.48
2:F:368:HIS:O	2:F:368:HIS:CG	2.65	0.48
2:F:374:LEU:O	2:F:375:HIS:C	2.57	0.48
1:A:177:ARG:O	1:A:178:TYR:C	2.56	0.47
1:A:275:ARG:C	1:A:278:ILE:HB	2.39	0.47
1:A:313:ILE:HG13	1:A:314:ALA:H	1.79	0.47
1:A:463:LEU:HD22	1:A:464:MET:N	2.29	0.47
1:A:756:ASP:OD1	1:A:756:ASP:N	2.47	0.47
1:A:795:ASN:HD21	1:A:796:LYS:HG3	1.78	0.47
1:A:900:ALA:CA	1:A:915:ALA:CB	2.80	0.47
1:A:1006:ARG:O	1:A:1010:LEU:HB2	2.14	0.47
2:B:82:SER:H	2:B:85:GLN:HG3	1.78	0.47
2:B:261:GLN:O	2:B:261:GLN:CG	2.61	0.47
2:B:383:VAL:CG2	2:B:384:ALA:N	2.76	0.47
2:C:384:ALA:HB2	2:C:437:ILE:CD1	2.38	0.47
2:C:432:TYR:C	2:C:435:MET:H	2.21	0.47
2:C:468:ILE:C	2:C:471:LEU:HD13	2.39	0.47
1:D:179:GLY:O	1:D:181:GLU:N	2.44	0.47
1:D:497:GLN:OE1	1:D:516:GLU:O	2.32	0.47
1:D:715:GLN:O	1:D:716:PRO:C	2.57	0.47
1:D:904:ASP:OD1	1:D:904:ASP:N	2.34	0.47
1:D:1028:VAL:CG2	1:D:1096:ARG:CZ	2.89	0.47
1:D:1111:LEU:CD1	1:D:1111:LEU:H	2.27	0.47
2:E:86:LEU:CG	2:E:97:PRO:HD2	2.43	0.47
2:E:94:GLY:CA	2:E:234:LYS:HE2	2.43	0.47
2:E:270:PRO:CA	2:E:273:PHE:CD2	2.88	0.47
2:E:440:THR:HG22	2:E:441:VAL:N	2.29	0.47
2:F:90:SER:O	2:F:93:SER:OG	2.27	0.47
2:F:108:LYS:O	2:F:109:ASN:C	2.55	0.47
2:F:236:GLU:HB3	2:F:341:ASP:HB3	1.95	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:331:VAL:HG13	2:F:332:VAL:N	2.28	0.47
2:F:454:HIS:CA	2:F:466:MET:O	2.62	0.47
1:A:81:ARG:NH2	1:A:126:ARG:HA	2.29	0.47
1:A:302:SER:HB2	1:A:351:SER:HB3	1.96	0.47
1:A:389:PHE:CB	1:A:393:MET:HG2	2.44	0.47
1:A:406:VAL:HG22	1:A:407:PHE:CD2	2.48	0.47
1:A:484:TRP:HH2	2:C:461:THR:O	1.97	0.47
1:A:601:LYS:CE	1:A:616:GLU:OE2	2.61	0.47
1:A:774:MET:CA	1:A:777:GLY:HA3	2.32	0.47
1:A:869:ARG:N	1:A:872:SER:HB2	2.28	0.47
1:A:1014:ARG:HB2	1:A:1026:ARG:NE	2.27	0.47
1:A:1136:GLU:N	1:A:1136:GLU:OE2	2.47	0.47
2:C:108:LYS:O	2:C:109:ASN:C	2.56	0.47
2:C:114:TRP:NE1	2:C:259:ARG:HH22	2.12	0.47
2:C:246:ARG:C	2:C:248:SER:N	2.59	0.47
2:C:375:HIS:O	2:C:376:PRO:C	2.55	0.47
2:C:375:HIS:HD2	2:C:377:CYS:HB2	1.78	0.47
1:D:78:MET:HB2	1:D:1175:GLN:HB3	1.96	0.47
1:D:293:ASP:HB3	1:D:296:SER:CB	2.42	0.47
1:D:357:ALA:O	1:D:359:VAL:N	2.47	0.47
1:D:376:LEU:C	1:D:378:VAL:H	2.22	0.47
1:D:420:HIS:ND1	1:D:421:PRO:CD	2.47	0.47
1:D:451:THR:O	1:D:454:GLU:HB2	2.13	0.47
1:D:459:MET:CB	1:D:460:LYS:NZ	2.77	0.47
1:D:486:TRP:CZ3	1:D:598:VAL:CG2	2.97	0.47
1:D:607:TRP:HA	1:D:607:TRP:HE3	1.80	0.47
1:D:771:LEU:O	1:D:775:GLU:N	2.47	0.47
1:D:774:MET:HB3	1:D:779:LEU:CD1	2.44	0.47
1:D:992:LEU:O	1:D:996:ARG:CZ	2.62	0.47
1:D:1044:VAL:O	1:D:1047:ARG:CB	2.62	0.47
1:D:1122:GLU:O	1:D:1123:PHE:CB	2.63	0.47
1:D:1221:TYR:CA	1:D:1224:ILE:CG2	2.73	0.47
2:E:431:LYS:CG	2:E:432:TYR:H	2.27	0.47
2:E:443:VAL:HG12	2:E:444:THR:N	2.28	0.47
2:F:99:PHE:CD2	2:F:99:PHE:N	2.82	0.47
2:F:193:TYR:CZ	2:F:333:PRO:HG3	2.49	0.47
2:F:219:PHE:O	2:F:220:ASP:O	2.31	0.47
2:F:311:LEU:H	2:F:311:LEU:CD2	2.26	0.47
2:F:461:THR:O	2:F:461:THR:OG1	2.20	0.47
1:A:141:LEU:O	1:A:144:GLN:CB	2.63	0.47
1:A:214:ALA:HA	1:A:401:TRP:HZ2	1.62	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:275:ARG:HG2	1:A:843:GLN:HB2	1.95	0.47
1:A:373:PRO:HD2	1:A:374:ARG:HG2	1.94	0.47
1:A:383:LYS:O	1:A:386:ARG:NH1	2.48	0.47
1:A:503:VAL:CG2	1:A:521:PRO:CA	2.82	0.47
1:A:583:PRO:C	1:A:585:TRP:N	2.71	0.47
1:A:587:PRO:O	1:A:588:GLY:O	2.31	0.47
1:A:635:PRO:C	1:A:637:GLY:N	2.71	0.47
1:A:670:PRO:HA	1:A:673:ALA:CB	2.44	0.47
1:A:753:PRO:HD2	1:A:770:PHE:CD2	2.49	0.47
1:A:827:ARG:HA	1:A:831:TYR:HH	1.77	0.47
1:A:958:GLY:HA2	1:A:986:TYR:CZ	2.49	0.47
1:A:1016:GLU:OE2	1:A:1016:GLU:N	2.46	0.47
1:A:1208:ARG:CZ	2:C:277:ASP:CG	2.87	0.47
2:B:81:GLY:C	2:B:86:LEU:HD11	2.38	0.47
2:B:386:ASP:OD1	2:B:387:VAL:HG22	2.14	0.47
2:B:469:SER:OG	2:B:470:LYS:N	2.46	0.47
2:C:364:LYS:CD	2:C:364:LYS:N	2.76	0.47
2:C:388:GLY:O	2:C:444:THR:CA	2.54	0.47
1:D:172:ALA:O	1:D:173:GLU:CB	2.62	0.47
1:D:247:LEU:HA	1:D:815:TRP:HB2	1.97	0.47
1:D:384:ASP:OD1	1:D:384:ASP:N	2.42	0.47
1:D:459:MET:CA	1:D:460:LYS:HZ1	2.23	0.47
1:D:550:GLN:H	1:D:551:LYS:CE	2.21	0.47
1:D:633:LYS:HB3	1:D:638:THR:CB	2.44	0.47
1:D:656:TYR:HD1	1:D:744:ILE:CD1	2.24	0.47
1:D:900:ALA:O	1:D:915:ALA:HB2	2.14	0.47
1:D:923:GLY:HA2	1:D:931:LEU:CD1	2.44	0.47
1:D:1026:ARG:HG2	1:D:1026:ARG:O	2.14	0.47
1:D:1040:LYS:HA	1:D:1040:LYS:HE3	1.97	0.47
1:D:1073:PRO:O	1:D:1074:VAL:C	2.57	0.47
2:E:108:LYS:HG3	2:E:109:ASN:N	2.29	0.47
2:E:289:LEU:O	2:E:290:TYR:CG	2.68	0.47
2:F:82:SER:O	2:F:83:LYS:HB2	2.12	0.47
2:F:200:VAL:CG1	2:F:204:LEU:HD22	2.43	0.47
2:F:300:ILE:CG2	2:F:301:GLU:HG3	2.31	0.47
1:A:285:GLN:C	1:A:1128:ARG:HH22	2.12	0.47
1:A:420:HIS:O	1:A:424:LEU:HD11	2.14	0.47
1:A:441:TRP:CE3	1:A:445:LEU:CD1	2.96	0.47
1:A:664:GLY:HA2	1:A:667:GLN:NE2	2.28	0.47
1:A:856:GLU:O	1:A:857:PRO:C	2.56	0.47
1:A:885:THR:CA	1:A:1146:ARG:HE	2.23	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:914:THR:HA	1:A:918:TRP:CB	2.29	0.47
1:A:951:TYR:O	1:A:955:TYR:CD1	2.67	0.47
1:A:1137:VAL:HG12	1:A:1139:TYR:CZ	2.48	0.47
2:B:336:LEU:HD23	2:B:337:SER:N	2.29	0.47
2:C:193:TYR:CD1	2:C:242:PHE:CE2	3.02	0.47
2:C:291:TYR:CG	2:C:348:ALA:HB1	2.50	0.47
2:C:314:MET:O	2:C:316:PRO:HD3	2.14	0.47
2:C:371:VAL:HG13	2:C:372:LEU:O	2.14	0.47
2:C:428:LEU:HB3	2:C:432:TYR:CE1	2.50	0.47
2:C:455:LEU:CB	2:C:456:ARG:HE	2.26	0.47
2:C:456:ARG:HG3	2:C:463:LYS:HB3	1.96	0.47
1:D:134:ASN:C	1:D:136:ASP:N	2.69	0.47
1:D:164:PRO:CD	1:D:165:LYS:N	2.73	0.47
1:D:197:PHE:CD1	1:D:213:VAL:O	2.67	0.47
1:D:206:GLY:C	1:D:208:CYS:H	2.20	0.47
1:D:273:PHE:O	1:D:276:ALA:HB3	2.14	0.47
1:D:306:SER:HB2	1:D:1058:PHE:CE2	2.49	0.47
1:D:312:TRP:HB3	1:D:316:LYS:CD	2.44	0.47
1:D:348:LEU:CD2	1:D:350:ILE:CG1	2.85	0.47
1:D:472:GLN:CB	2:F:460:THR:O	2.56	0.47
1:D:851:THR:C	1:D:852:ARG:HG3	2.39	0.47
1:D:891:VAL:O	1:D:891:VAL:CG2	2.62	0.47
1:D:967:MET:SD	1:D:974:THR:C	2.97	0.47
1:D:1209:ARG:HD2	2:F:249:ASN:CA	2.45	0.47
2:E:193:TYR:O	2:E:197:LEU:HB2	2.14	0.47
2:E:322:LEU:HB3	2:E:332:VAL:HG13	1.96	0.47
2:E:468:ILE:O	2:E:469:SER:OG	2.25	0.47
2:F:344:ARG:HG2	2:F:347:LEU:HD22	1.96	0.47
2:F:351:TYR:HD1	2:F:355:GLN:HA	1.78	0.47
2:F:365:LYS:HB3	2:F:367:LEU:HD21	1.96	0.47
1:A:420:HIS:O	1:A:424:LEU:CD1	2.62	0.47
1:A:477:GLU:CD	1:A:478:ARG:HG2	2.39	0.47
1:A:502:LYS:HD2	1:A:506:GLU:CD	2.33	0.47
1:A:756:ASP:CG	1:A:1057:MET:HG2	2.38	0.47
1:A:784:GLY:CA	2:C:363:ARG:HD3	2.44	0.47
1:A:907:PHE:CZ	1:A:1001:GLY:HA3	2.50	0.47
1:A:1056:GLU:HG3	1:A:1059:ASN:HD21	1.79	0.47
1:A:1154:GLN:HE21	1:A:1220:ILE:HG13	1.77	0.47
2:B:289:LEU:HB2	2:B:301:GLU:H	1.80	0.47
2:B:338:VAL:O	2:B:338:VAL:HG12	2.14	0.47
2:B:379:ALA:HB3	2:B:438:LEU:HD11	1.96	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:87:SER:O	2:C:88:ARG:C	2.58	0.47
2:C:120:VAL:CG2	2:C:121:PHE:H	2.28	0.47
2:C:290:TYR:HD1	2:C:299:LEU:HA	1.80	0.47
2:C:403:PHE:O	2:C:406:LEU:HB2	2.14	0.47
2:C:403:PHE:CD2	2:C:407:LEU:HB2	2.50	0.47
1:D:83:LEU:HB3	1:D:88:PHE:C	2.39	0.47
1:D:115:GLN:NE2	1:D:924:ARG:NH1	2.61	0.47
1:D:127:LEU:HD23	1:D:128:PRO:N	2.29	0.47
1:D:224:CYS:SG	1:D:228:LEU:HD23	2.54	0.47
1:D:525:MET:HG3	1:D:526:ASP:OD1	2.15	0.47
1:D:556:THR:HG23	1:D:559:LEU:HD23	1.95	0.47
1:D:598:VAL:C	1:D:600:PRO:HD2	2.39	0.47
1:D:724:GLY:HA2	1:D:725:PRO:HA	1.64	0.47
1:D:801:TRP:CH2	1:D:805:HIS:CD2	3.02	0.47
1:D:1041:TRP:CD1	1:D:1044:VAL:HG11	2.50	0.47
1:D:1132:SER:O	1:D:1132:SER:OG	2.33	0.47
1:D:1208:ARG:CG	1:D:1209:ARG:N	2.77	0.47
2:E:131:LEU:CD2	2:E:132:HIS:H	2.26	0.47
2:E:272:ASN:HB3	2:E:292:ASN:HB2	1.97	0.47
2:F:199:LEU:HD12	2:F:200:VAL:N	2.30	0.47
2:F:350:LEU:H	2:F:350:LEU:CD1	2.16	0.47
2:F:458:ARG:CG	2:F:458:ARG:HH11	2.27	0.47
1:A:81:ARG:CD	1:A:125:LEU:O	2.57	0.47
1:A:247:LEU:HD12	1:A:251:THR:HG23	1.93	0.47
1:A:506:GLU:HG3	1:A:507:PRO:N	2.29	0.47
1:A:513:LEU:O	1:A:568:GLY:C	2.58	0.47
1:A:582:ASP:CG	1:A:592:LEU:HD22	2.40	0.47
1:A:716:PRO:O	1:A:717:LEU:C	2.56	0.47
1:A:821:LEU:CD1	1:A:825:VAL:CG1	2.92	0.47
1:A:951:TYR:C	1:A:955:TYR:CD1	2.93	0.47
1:A:1131:ILE:CG1	1:A:1132:SER:N	2.77	0.47
2:B:189:ALA:O	2:B:190:LEU:C	2.58	0.47
2:C:99:PHE:CB	2:C:103:GLY:HA3	2.44	0.47
2:C:124:GLN:C	2:C:125:VAL:CG1	2.88	0.47
2:C:206:TYR:N	2:C:206:TYR:CD2	2.52	0.47
2:C:341:ASP:C	2:C:342:LEU:HD22	2.39	0.47
2:C:385:LEU:CD2	2:C:402:LEU:HD23	2.38	0.47
2:C:389:ARG:HG3	2:C:390:GLY:N	2.27	0.47
2:C:422:GLN:O	2:C:423:SER:OG	2.22	0.47
2:C:431:LYS:HZ3	2:C:435:MET:HG2	1.72	0.47
1:D:253:ALA:O	1:D:254:SER:HB3	2.14	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:361:ARG:HH22	1:D:362:LEU:HD21	1.80	0.47
1:D:439:GLN:O	1:D:440:ASN:C	2.57	0.47
1:D:458:GLU:N	1:D:460:LYS:HE3	2.29	0.47
1:D:475:SER:C	1:D:712:VAL:HG23	2.40	0.47
1:D:479:TYR:C	1:D:481:GLU:H	2.22	0.47
1:D:888:GLY:O	1:D:889:ALA:HB2	2.13	0.47
2:E:271:SER:C	2:E:273:PHE:N	2.71	0.47
2:E:350:LEU:HD23	2:E:350:LEU:C	2.40	0.47
2:F:207:GLY:CA	2:F:239:LEU:HD11	2.43	0.47
1:A:76:ILE:HG12	1:A:911:HIS:NE2	2.30	0.47
1:A:157:LEU:HG	1:A:194:ALA:CB	2.44	0.47
1:A:209:PRO:C	1:A:210:THR:CG2	2.87	0.47
1:A:213:VAL:HG11	1:A:401:TRP:NE1	2.26	0.47
1:A:293:ASP:CB	1:A:296:SER:OG	2.63	0.47
1:A:305:SER:O	1:A:309:ARG:HG2	2.13	0.47
1:A:352:SER:C	1:A:358:LEU:CD2	2.88	0.47
1:A:386:ARG:HD3	1:A:387:GLU:N	2.27	0.47
1:A:451:THR:CB	1:A:869:ARG:HH22	2.28	0.47
1:A:462:SER:C	1:A:466:LEU:CD2	2.81	0.47
1:A:512:LYS:C	1:A:513:LEU:HD23	2.38	0.47
1:A:515:ILE:CG1	1:A:565:HIS:O	2.56	0.47
1:A:572:TRP:CE3	1:A:572:TRP:CA	2.98	0.47
1:A:581:ASP:OD1	1:A:581:ASP:O	2.32	0.47
1:A:727:ASP:OD2	1:A:727:ASP:N	2.33	0.47
1:A:728:THR:C	1:A:729:GLN:NE2	2.72	0.47
1:A:793:GLU:N	1:A:796:LYS:HD3	2.30	0.47
1:A:824:ALA:HA	1:A:827:ARG:HB3	1.96	0.47
1:A:847:ALA:C	1:A:848:GLY:O	2.55	0.47
1:A:848:GLY:O	1:A:849:THR:CB	2.59	0.47
1:A:884:TYR:OH	1:A:1142:ARG:NH1	2.48	0.47
1:A:914:THR:OG1	1:A:999:ASP:CG	2.58	0.47
1:A:916:PHE:O	1:A:920:THR:N	2.48	0.47
1:A:948:ILE:O	1:A:951:TYR:HB2	2.14	0.47
1:A:950:ASN:O	1:A:954:ILE:N	2.31	0.47
1:A:992:LEU:HB2	1:A:997:LEU:HB2	1.97	0.47
1:A:1011:PRO:CD	1:A:1012:VAL:H	2.24	0.47
1:A:1068:ASP:O	1:A:1069:ILE:CB	2.63	0.47
1:A:1141:VAL:HB	1:A:1146:ARG:HD3	1.94	0.47
1:A:1157:ASN:C	1:A:1161:ARG:HD2	2.40	0.47
1:A:1223:ILE:HA	1:A:1226:LEU:CD2	2.43	0.47
1:A:1232:GLU:CD	1:A:1234:ARG:HH21	2.22	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:81:GLY:HA3	2:B:86:LEU:HD11	1.96	0.47
2:B:186:LEU:O	2:B:190:LEU:HD23	2.15	0.47
2:B:254:PHE:O	2:B:257:ARG:N	2.46	0.47
2:B:320:SER:O	2:B:323:HIS:NE2	2.47	0.47
2:B:389:ARG:HG2	2:B:444:THR:HG22	1.96	0.47
2:B:419:GLU:OE2	2:C:201:ASN:ND2	2.48	0.47
2:B:461:THR:OG1	2:B:463:LYS:CE	2.62	0.47
2:C:79:LEU:HD12	2:C:98:GLY:O	2.15	0.47
2:C:186:LEU:O	2:C:190:LEU:HG	2.15	0.47
2:C:216:HIS:O	2:C:232:GLY:N	2.40	0.47
2:C:328:ARG:C	2:C:329:LYS:HD2	2.40	0.47
2:C:433:ASP:C	2:C:435:MET:N	2.72	0.47
2:C:441:VAL:CG1	2:C:454:HIS:CE1	2.88	0.47
2:C:479:ILE:H	2:C:479:ILE:HG13	1.47	0.47
1:D:121:PRO:O	1:D:122:ASP:OD2	2.32	0.47
1:D:195:LEU:O	1:D:267:VAL:CG1	2.63	0.47
1:D:255:SER:HB3	1:D:256:PRO:CA	2.43	0.47
1:D:308:GLN:NE2	1:D:1027:LYS:HZ1	2.10	0.47
1:D:484:TRP:HE1	1:D:488:LEU:CD1	2.28	0.47
1:D:515:ILE:HG22	1:D:565:HIS:ND1	2.30	0.47
1:D:550:GLN:CG	1:D:551:LYS:HE3	2.45	0.47
1:D:577:CYS:O	1:D:578:PRO:C	2.50	0.47
1:D:712:VAL:O	1:D:712:VAL:HG12	2.13	0.47
1:D:733:HIS:CE1	1:D:750:PHE:CE1	3.02	0.47
1:D:787:SER:O	1:D:789:PRO:CD	2.63	0.47
1:D:792:LEU:O	1:D:793:GLU:C	2.57	0.47
1:D:807:ARG:NH1	1:D:1062:GLU:HG2	2.30	0.47
1:D:808:ILE:HG22	1:D:811:GLN:OE1	2.14	0.47
1:D:821:LEU:HB3	1:D:822:PRO:HA	1.95	0.47
1:D:848:GLY:HA3	1:D:855:VAL:HG21	1.97	0.47
1:D:851:THR:OG1	1:D:1102:GLN:HG2	2.15	0.47
1:D:865:ALA:CA	1:D:872:SER:O	2.63	0.47
1:D:900:ALA:O	1:D:915:ALA:CB	2.62	0.47
1:D:921:LEU:CD1	1:D:921:LEU:H	2.27	0.47
1:D:945:HIS:HE1	1:D:969:PHE:HB2	1.79	0.47
1:D:967:MET:SD	1:D:975:GLN:HA	2.55	0.47
1:D:987:ALA:HA	1:D:991:GLY:HA2	1.96	0.47
1:D:1002:GLU:CG	1:D:1003:TRP:H	2.28	0.47
1:D:1109:LEU:HD21	1:D:1137:VAL:CG2	2.44	0.47
1:D:1136:GLU:HG3	1:D:1138:ARG:NH1	2.29	0.47
1:D:1197:CYS:C	1:D:1204:THR:CG2	2.88	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1204:THR:O	1:D:1205:GLY:O	2.32	0.47
2:E:78:PHE:CZ	2:E:350:LEU:HD12	2.49	0.47
2:E:129:ASP:OD2	2:F:97:PRO:O	2.33	0.47
2:E:193:TYR:HE2	2:E:322:LEU:CB	2.28	0.47
2:E:246:ARG:HD2	2:E:326:ASP:OD1	2.13	0.47
2:E:272:ASN:CA	2:E:292:ASN:HD22	2.26	0.47
2:E:481:SER:HA	2:E:484:ASN:OD1	2.14	0.47
2:F:208:LEU:HD22	2:F:242:PHE:CD2	2.48	0.47
2:F:356:LEU:HB3	2:F:359:ASN:HB2	1.96	0.47
2:F:357:THR:C	2:F:359:ASN:N	2.72	0.47
2:F:432:TYR:O	2:F:435:MET:N	2.45	0.47
2:F:456:ARG:N	2:F:456:ARG:CD	2.78	0.47
2:F:458:ARG:CD	2:F:459:ASP:N	2.78	0.47
2:F:459:ASP:OD1	2:F:461:THR:N	2.40	0.47
2:F:468:ILE:O	2:F:471:LEU:HD13	2.15	0.47
1:A:81:ARG:HH12	1:A:127:LEU:H	1.61	0.47
1:A:114:GLY:N	1:A:116:PRO:CD	2.73	0.47
1:A:230:GLU:CG	1:A:231:GLU:N	2.78	0.47
1:A:371:LYS:O	1:A:372:GLU:CG	2.63	0.47
1:A:392:LEU:HD22	1:A:393:MET:CE	2.44	0.47
1:A:398:GLN:O	1:A:399:ASP:C	2.56	0.47
1:A:500:ALA:HA	1:A:521:PRO:HD3	1.97	0.47
1:A:633:LYS:HZ2	1:A:634:LEU:HB2	1.80	0.47
1:A:822:PRO:O	1:A:823:ARG:HB3	2.14	0.47
1:A:824:ALA:CA	1:A:827:ARG:HB3	2.44	0.47
1:A:860:LEU:CD2	1:A:1133:ILE:HA	2.44	0.47
1:A:925:LYS:HG2	1:A:926:SER:H	1.78	0.47
1:A:959:GLN:N	1:A:986:TYR:CE1	2.83	0.47
1:A:1010:LEU:C	1:A:1012:VAL:H	2.19	0.47
1:A:1028:VAL:O	1:A:1031:GLU:C	2.58	0.47
2:B:81:GLY:O	2:B:86:LEU:HD11	2.14	0.47
2:B:184:ASN:C	2:B:186:LEU:N	2.69	0.47
2:B:236:GLU:CG	2:B:341:ASP:HB2	2.43	0.47
2:B:251:TRP:HA	2:B:251:TRP:CE3	2.49	0.47
2:C:80:SER:HG	2:C:99:PHE:C	2.22	0.47
2:C:424:SER:O	2:C:425:LEU:C	2.58	0.47
2:C:433:ASP:C	2:C:435:MET:H	2.23	0.47
2:C:452:LEU:HD12	2:C:453:ILE:CA	2.44	0.47
1:D:134:ASN:O	1:D:135:LEU:C	2.57	0.47
1:D:271:VAL:HG22	1:D:295:MET:CG	2.44	0.47
1:D:275:ARG:HG3	1:D:279:ARG:HG3	1.96	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:307:PHE:O	1:D:310:SER:OG	2.23	0.47
1:D:308:GLN:HE22	1:D:1027:LYS:HZ2	1.63	0.47
1:D:455:LEU:HD22	1:D:794:ILE:HB	1.96	0.47
1:D:499:LYS:HB2	1:D:499:LYS:NZ	2.13	0.47
1:D:504:LYS:HZ1	1:D:525:MET:CG	2.28	0.47
1:D:515:ILE:O	1:D:565:HIS:ND1	2.48	0.47
1:D:891:VAL:CA	1:D:894:GLN:CD	2.61	0.47
1:D:966:LEU:CA	1:D:970:ASN:HD22	2.28	0.47
1:D:1027:LYS:HZ3	1:D:1091:GLU:CG	2.20	0.47
1:D:1055:SER:O	1:D:1058:PHE:HD2	1.97	0.47
2:E:254:PHE:HD1	2:E:257:ARG:HE	1.63	0.47
2:F:347:LEU:HD12	2:F:347:LEU:N	2.30	0.47
2:F:360:SER:HB3	2:F:364:LYS:CE	2.44	0.47
1:A:79:LEU:HB3	1:A:83:LEU:CD2	2.45	0.47
1:A:132:GLY:CA	1:A:138:HIS:CE1	2.98	0.47
1:A:175:TRP:HB3	1:A:186:PRO:CG	2.45	0.47
1:A:197:PHE:CB	1:A:277:HIS:CD2	2.98	0.47
1:A:256:PRO:HD2	1:A:257:THR:N	2.19	0.47
1:A:295:MET:O	1:A:299:MET:HG2	2.15	0.47
1:A:441:TRP:CD1	1:A:877:MET:HB3	2.49	0.47
1:A:866:ARG:CB	1:A:867:PRO:HD3	2.35	0.47
1:A:867:PRO:HG3	1:A:1067:SER:OG	2.14	0.47
1:A:1019:TRP:O	1:A:1020:ILE:HB	2.15	0.47
1:A:1144:GLU:H	1:A:1144:GLU:HG2	1.32	0.47
1:A:1150:ALA:CB	1:A:1223:ILE:HG13	2.44	0.47
2:B:201:ASN:HD22	2:C:421:MET:HE1	1.80	0.47
2:B:400:GLN:OE1	2:B:400:GLN:CA	2.63	0.47
2:C:86:LEU:O	2:C:87:SER:C	2.58	0.47
2:C:188:GLY:O	2:C:190:LEU:N	2.48	0.47
2:C:241:TRP:CZ3	2:C:255:TRP:CE2	2.99	0.47
2:C:394:GLU:N	2:C:394:GLU:OE1	2.48	0.47
2:C:398:VAL:HA	2:C:401:GLY:CA	2.43	0.47
2:C:469:SER:O	2:C:472:LYS:HB2	2.15	0.47
1:D:114:GLY:O	1:D:116:PRO:HD3	2.13	0.47
1:D:249:VAL:CG1	1:D:251:THR:HG22	2.45	0.47
1:D:369:LEU:O	1:D:370:GLU:C	2.52	0.47
1:D:497:GLN:O	1:D:517:GLY:HA2	2.15	0.47
1:D:525:MET:O	1:D:526:ASP:CG	2.57	0.47
1:D:597:ARG:NH1	1:D:725:PRO:CD	2.78	0.47
1:D:627:ARG:O	1:D:627:ARG:HG3	2.15	0.47
1:D:948:ILE:CG2	1:D:1071:ARG:O	2.63	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1002:GLU:HG3	1:D:1003:TRP:N	2.28	0.47
2:E:109:ASN:CB	2:E:378:LEU:HB3	2.44	0.47
2:E:182:ARG:N	2:E:215:PHE:CZ	2.83	0.47
2:E:310:GLU:C	2:E:314:MET:HG3	2.40	0.47
2:E:319:VAL:CG1	2:E:320:SER:N	2.78	0.47
2:F:240:VAL:C	2:F:336:LEU:CB	2.85	0.47
2:F:303:LEU:CA	2:F:337:SER:CB	2.92	0.47
2:F:413:VAL:HG12	2:F:414:TRP:H	1.80	0.47
1:A:290:ARG:O	1:A:291:PHE:HD2	1.98	0.47
1:A:456:GLN:HE21	1:A:798:ILE:CD1	2.27	0.47
1:A:496:LYS:NZ	1:A:570:PRO:O	2.37	0.47
1:A:576:LEU:CD1	1:A:577:CYS:HB2	2.41	0.47
1:A:719:LEU:N	1:A:719:LEU:CD2	2.73	0.47
1:A:736:ASN:ND2	1:A:736:ASN:N	2.63	0.47
1:A:739:TYR:O	1:A:741:ASP:N	2.25	0.47
1:A:843:GLN:O	1:A:843:GLN:CG	2.55	0.47
2:B:257:ARG:O	2:B:258:HIS:O	2.33	0.47
2:C:94:GLY:HA2	2:C:96:HIS:CE1	2.49	0.47
2:C:308:ASP:OD1	2:C:333:PRO:O	2.33	0.47
2:C:397:GLN:HG2	2:C:398:VAL:N	2.29	0.47
1:D:196:VAL:CG1	1:D:268:GLY:H	2.27	0.47
1:D:306:SER:CB	1:D:1058:PHE:CZ	2.98	0.47
1:D:498:LYS:HD3	1:D:521:PRO:HG3	1.97	0.47
1:D:616:GLU:O	1:D:617:ARG:HG3	2.14	0.47
1:D:646:VAL:HG12	1:D:647:CYS:H	1.79	0.47
1:D:871:GLY:O	1:D:872:SER:C	2.57	0.47
1:D:909:GLY:O	1:D:912:GLY:N	2.48	0.47
1:D:922:GLN:HG3	1:D:931:LEU:HD22	1.96	0.47
1:D:923:GLY:HA2	1:D:931:LEU:HD11	1.96	0.47
1:D:1019:TRP:HD1	1:D:1020:ILE:H	1.63	0.47
1:D:1111:LEU:HD22	1:D:1164:PHE:CD1	2.49	0.47
1:D:1133:ILE:N	1:D:1133:ILE:CD1	2.78	0.47
2:E:86:LEU:HB2	2:E:91:LEU:HD21	1.96	0.47
2:E:95:CYS:O	2:E:96:HIS:C	2.58	0.47
2:E:448:LEU:C	2:E:448:LEU:CD2	2.82	0.47
2:F:263:TRP:O	2:F:264:ARG:C	2.58	0.47
2:F:406:LEU:CA	2:F:409:ASN:HD21	2.19	0.47
2:F:470:LYS:CE	2:F:471:LEU:HD21	2.45	0.47
1:A:386:ARG:CZ	1:A:387:GLU:CG	2.93	0.46
1:A:407:PHE:O	1:A:411:LEU:HB3	2.15	0.46
1:A:593:SER:C	1:A:594:LEU:HD23	2.40	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:752:LEU:CB	1:A:753:PRO:CA	2.93	0.46
1:A:879:GLN:NE2	1:A:879:GLN:CA	2.77	0.46
1:A:935:THR:HG21	1:A:950:ASN:HD21	1.78	0.46
1:A:966:LEU:O	1:A:970:ASN:N	2.46	0.46
1:A:1057:MET:CA	1:A:1064:ILE:HG21	2.45	0.46
2:B:107:ARG:HB2	2:B:346:MET:HE1	1.97	0.46
2:B:283:GLY:HA2	2:B:306:LEU:HD23	1.97	0.46
2:C:361:PHE:C	2:C:362:THR:HG23	2.40	0.46
1:D:78:MET:SD	1:D:121:PRO:HB2	2.55	0.46
1:D:173:GLU:OE2	1:D:223:TRP:NE1	2.48	0.46
1:D:175:TRP:H	1:D:220:TRP:HB2	1.80	0.46
1:D:235:TRP:O	1:D:236:THR:HG23	2.15	0.46
1:D:359:VAL:CG1	1:D:363:TYR:HB3	2.44	0.46
1:D:904:ASP:CG	1:D:915:ALA:CB	2.88	0.46
1:D:963:GLU:HB3	1:D:978:ALA:O	2.15	0.46
1:D:1015:THR:C	1:D:1017:GLY:H	2.23	0.46
1:D:1025:LEU:O	1:D:1027:LYS:CD	2.57	0.46
1:D:1102:GLN:O	1:D:1103:SER:C	2.56	0.46
1:D:1147:TYR:HB3	1:D:1227:THR:HG22	1.97	0.46
1:D:1209:ARG:HE	2:F:253:ASP:HB2	1.80	0.46
2:E:403:PHE:CE1	2:E:407:LEU:HD11	2.50	0.46
2:F:86:LEU:N	2:F:86:LEU:HD12	2.30	0.46
2:F:228:VAL:HG23	2:F:228:VAL:O	2.15	0.46
2:F:343:ASP:O	2:F:346:MET:HB3	2.15	0.46
2:F:408:GLU:O	2:F:409:ASN:C	2.58	0.46
2:F:436:SER:O	2:F:437:ILE:C	2.58	0.46
1:A:612:LEU:HD23	1:A:614:TYR:HA	1.96	0.46
1:A:618:HIS:CA	1:A:762:VAL:HG21	2.42	0.46
1:A:657:ARG:O	1:A:660:CYS:CB	2.51	0.46
1:A:741:ASP:OD2	1:A:742:VAL:HG23	2.14	0.46
1:A:798:ILE:O	1:A:799:SER:C	2.57	0.46
2:C:78:PHE:CE2	2:C:350:LEU:HD23	2.50	0.46
2:C:109:ASN:O	2:C:113:GLU:N	2.31	0.46
2:C:130:ALA:HB1	2:C:182:ARG:NH1	2.24	0.46
1:D:307:PHE:CD2	1:D:1048:ALA:HB1	2.50	0.46
1:D:417:ARG:HH11	1:D:417:ARG:CG	2.28	0.46
1:D:544:MET:HE2	1:D:544:MET:HB2	1.54	0.46
1:D:648:PRO:CG	1:D:649:TYR:N	2.78	0.46
1:D:735:GLY:CA	1:D:749:PHE:CB	2.79	0.46
1:D:944:GLU:OE1	1:D:1071:ARG:NH1	2.49	0.46
1:D:1064:ILE:O	1:D:1064:ILE:CG2	2.62	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1103:SER:O	1:D:1104:SER:C	2.57	0.46
1:D:1122:GLU:O	1:D:1123:PHE:CD1	2.68	0.46
1:D:1187:ARG:HG3	1:D:1212:ILE:HG12	1.96	0.46
2:F:184:ASN:O	2:F:185:LEU:C	2.58	0.46
2:F:282:GLU:C	2:F:284:ARG:H	2.22	0.46
2:F:293:PHE:C	2:F:295:TRP:N	2.74	0.46
2:F:349:TYR:O	2:F:352:ASP:HB3	2.14	0.46
2:F:468:ILE:C	2:F:471:LEU:HD13	2.41	0.46
1:A:237:SER:O	1:A:238:GLN:HB2	2.15	0.46
1:A:272:SER:CA	1:A:275:ARG:HB2	2.35	0.46
1:A:294:THR:HG22	1:A:411:LEU:CD2	2.46	0.46
1:A:371:LYS:O	1:A:372:GLU:HG2	2.13	0.46
1:A:415:LEU:C	1:A:417:ARG:N	2.73	0.46
1:A:462:SER:HG	1:A:463:LEU:H	1.60	0.46
1:A:643:ALA:O	1:A:644:GLY:C	2.58	0.46
1:A:757:GLY:O	1:A:758:ASN:CB	2.62	0.46
1:A:887:VAL:HG23	1:A:1146:ARG:NH1	2.20	0.46
1:A:1032:THR:C	1:A:1034:ARG:H	2.23	0.46
1:A:1048:ALA:HB3	1:A:1092:PHE:CE1	2.48	0.46
1:A:1113:LEU:HD23	1:A:1113:LEU:H	1.78	0.46
1:A:1124:ALA:CA	1:A:1148:ARG:NH1	2.78	0.46
1:A:1124:ALA:O	1:A:1126:ASP:OD1	2.34	0.46
1:A:1131:ILE:HD13	1:A:1137:VAL:CA	2.46	0.46
2:B:99:PHE:CE2	2:C:131:LEU:HD11	2.44	0.46
2:B:212:GLY:O	2:B:235:THR:O	2.34	0.46
2:C:88:ARG:NH1	2:C:88:ARG:CB	2.78	0.46
2:C:208:LEU:HD11	2:C:240:VAL:CA	2.45	0.46
2:C:252:LEU:C	2:C:252:LEU:CD2	2.89	0.46
2:C:272:ASN:CB	2:C:292:ASN:HB2	2.43	0.46
2:C:344:ARG:CB	2:C:347:LEU:HD22	2.46	0.46
2:C:464:GLU:OE2	2:C:466:MET:SD	2.74	0.46
1:D:118:VAL:CG2	1:D:121:PRO:HD3	2.45	0.46
1:D:457:ARG:C	1:D:460:LYS:NZ	2.73	0.46
1:D:486:TRP:CA	1:D:489:GLU:OE2	2.56	0.46
1:D:524:PRO:O	1:D:525:MET:CB	2.53	0.46
1:D:656:TYR:CG	1:D:744:ILE:HD12	2.49	0.46
1:D:668:LEU:HD23	1:D:668:LEU:N	2.30	0.46
1:D:768:LYS:CA	1:D:772:PRO:CG	2.93	0.46
1:D:886:LEU:HA	1:D:1146:ARG:HH22	1.81	0.46
1:D:1020:ILE:HD13	1:D:1021:SER:HA	1.94	0.46
1:D:1060:LYS:HD2	1:D:1060:LYS:H	1.80	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1200:PRO:C	1:D:1201:SER:HG	2.20	0.46
2:F:242:PHE:CB	2:F:333:PRO:HB2	2.25	0.46
2:F:256:LEU:HD12	2:F:256:LEU:HA	1.82	0.46
2:F:394:GLU:HA	2:F:397:GLN:CD	2.39	0.46
2:F:454:HIS:NE2	2:F:472:LYS:CE	2.78	0.46
2:F:470:LYS:HB2	2:F:471:LEU:HG	1.96	0.46
1:A:77:GLN:HB3	1:A:1174:PRO:HB3	1.96	0.46
1:A:134:ASN:O	1:A:137:GLN:N	2.47	0.46
1:A:196:VAL:HG11	1:A:404:HIS:CB	2.45	0.46
1:A:209:PRO:C	1:A:210:THR:HG23	2.39	0.46
1:A:259:ARG:CA	1:A:259:ARG:HE	2.27	0.46
1:A:430:MET:HA	1:A:1130:CYS:SG	2.55	0.46
1:A:752:LEU:HB3	1:A:753:PRO:HA	1.98	0.46
1:A:827:ARG:CG	1:A:828:HIS:N	2.78	0.46
1:A:873:GLU:OE1	1:A:875:LYS:HG2	2.15	0.46
1:A:906:HIS:C	1:A:908:ALA:H	2.23	0.46
1:A:949:PHE:HD2	1:A:949:PHE:H	1.62	0.46
1:A:960:PRO:HD2	1:A:961:PHE:HE1	1.79	0.46
1:A:1068:ASP:O	1:A:1069:ILE:CG2	2.64	0.46
2:B:117:SER:CB	2:B:262:TRP:HE1	2.21	0.46
2:B:445:GLU:C	2:B:447:THR:N	2.68	0.46
2:C:67:GLU:O	2:C:71:GLU:N	2.46	0.46
2:C:134:LYS:HB2	2:C:180:LYS:HE2	1.96	0.46
2:C:201:ASN:O	2:C:202:LYS:CB	2.64	0.46
2:C:448:LEU:O	2:C:449:GLU:HG3	2.16	0.46
2:C:474:PHE:CE1	2:C:478:TYR:CD2	2.94	0.46
1:D:220:TRP:CD1	1:D:221:TYR:H	2.33	0.46
1:D:253:ALA:HB2	1:D:281:GLN:N	2.30	0.46
1:D:271:VAL:HG22	1:D:295:MET:CB	2.46	0.46
1:D:794:ILE:O	1:D:798:ILE:HG23	2.15	0.46
1:D:797:MET:C	1:D:869:ARG:CD	2.80	0.46
1:D:851:THR:C	1:D:853:ARG:H	2.23	0.46
1:D:945:HIS:CE1	1:D:969:PHE:CB	2.99	0.46
1:D:1019:TRP:CZ2	1:D:1167:LYS:HG3	2.51	0.46
1:D:1030:ARG:HA	1:D:1030:ARG:HD3	1.54	0.46
1:D:1209:ARG:NH1	2:F:285:LYS:NZ	2.63	0.46
2:E:87:SER:C	2:E:89:ASP:H	2.24	0.46
2:E:293:PHE:O	2:E:295:TRP:N	2.49	0.46
2:E:345:GLY:O	2:E:348:ALA:HB3	2.15	0.46
2:E:353:SER:OG	2:E:372:LEU:HD21	2.15	0.46
2:E:389:ARG:HH21	2:E:391:PRO:C	2.20	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:145:PHE:O	2:F:146:ARG:CG	2.64	0.46
2:F:197:LEU:O	2:F:202:LYS:CA	2.60	0.46
2:F:213:VAL:CG2	2:F:235:THR:OG1	2.63	0.46
2:F:414:TRP:O	2:F:415:PRO:O	2.34	0.46
1:A:110:HIS:C	1:A:112:LEU:HD12	2.41	0.46
1:A:192:GLU:OE2	1:A:193:ARG:N	2.48	0.46
1:A:213:VAL:N	1:A:221:TYR:HE2	2.11	0.46
1:A:281:GLN:NE2	1:A:289:MET:HE1	2.31	0.46
1:A:417:ARG:C	1:A:419:PRO:HD3	2.41	0.46
1:A:452:TYR:HA	1:A:869:ARG:NH2	2.19	0.46
1:A:481:GLU:C	1:A:482:ASP:OD1	2.59	0.46
1:A:634:LEU:CB	1:A:635:PRO:CA	2.78	0.46
1:A:666:GLN:HA	1:A:669:MET:CE	2.45	0.46
1:A:720:THR:CG2	1:A:721:ALA:H	2.28	0.46
1:A:726:LYS:C	1:A:727:ASP:O	2.57	0.46
1:A:959:GLN:CB	1:A:960:PRO:CD	2.60	0.46
1:A:967:MET:O	1:A:970:ASN:O	2.33	0.46
1:A:1020:ILE:CG1	1:A:1021:SER:H	2.28	0.46
1:A:1165:ALA:HB2	1:A:1173:LEU:HD11	1.97	0.46
1:A:1222:GLN:O	1:A:1225:GLU:HB2	2.15	0.46
2:B:102:LEU:HD12	2:B:102:LEU:N	2.19	0.46
2:B:246:ARG:C	2:B:248:SER:N	2.71	0.46
2:B:306:LEU:O	2:B:335:VAL:HB	2.16	0.46
2:B:336:LEU:HG	2:B:337:SER:N	2.30	0.46
2:C:236:GLU:CB	2:C:341:ASP:HB3	2.45	0.46
2:C:360:SER:HB3	2:C:364:LYS:HE2	1.97	0.46
1:D:180:PRO:O	1:D:181:GLU:CD	2.59	0.46
1:D:192:GLU:HG2	1:D:193:ARG:N	2.31	0.46
1:D:272:SER:HB3	1:D:843:GLN:OE1	2.15	0.46
1:D:275:ARG:NE	1:D:842:PRO:C	2.72	0.46
1:D:429:GLU:HG2	1:D:1117:LYS:CE	2.42	0.46
1:D:460:LYS:HG2	1:D:461:LYS:H	1.80	0.46
1:D:751:LYS:HB3	1:D:751:LYS:HE2	1.55	0.46
1:D:865:ALA:HB1	1:D:872:SER:CB	2.45	0.46
1:D:995:TYR:H	1:D:996:ARG:HH11	1.58	0.46
1:D:1058:PHE:CG	1:D:1059:ASN:N	2.82	0.46
1:D:1124:ALA:CB	1:D:1148:ARG:HH12	2.26	0.46
2:E:84:GLN:NE2	2:E:84:GLN:O	2.49	0.46
2:E:315:TYR:O	2:E:316:PRO:O	2.34	0.46
2:F:233:GLU:O	2:F:234:LYS:CG	2.61	0.46
2:F:454:HIS:HB2	2:F:466:MET:CA	2.45	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:471:LEU:C	2:F:474:PHE:H	2.22	0.46
1:A:132:GLY:HA2	1:A:138:HIS:CE1	2.50	0.46
1:A:195:LEU:CD2	1:A:217:PRO:CD	2.87	0.46
1:A:252:GLY:O	1:A:253:ALA:CB	2.64	0.46
1:A:285:GLN:HA	1:A:1128:ARG:NH2	2.31	0.46
1:A:309:ARG:HA	1:A:312:TRP:HB2	1.98	0.46
1:A:313:ILE:HG13	1:A:314:ALA:N	2.31	0.46
1:A:441:TRP:HE1	1:A:878:VAL:N	2.13	0.46
1:A:503:VAL:CB	1:A:521:PRO:CA	2.76	0.46
1:A:569:HIS:CB	1:A:570:PRO:HD2	2.45	0.46
1:A:570:PRO:HG3	1:A:572:TRP:CZ3	2.51	0.46
1:A:617:ARG:HB3	1:A:763:GLY:C	2.41	0.46
1:A:649:TYR:HA	1:A:652:ILE:HB	1.97	0.46
1:A:817:PRO:HG2	1:A:818:ARG:N	2.30	0.46
1:A:860:LEU:HD23	1:A:1133:ILE:HG12	1.96	0.46
1:A:973:LEU:CB	1:A:977:GLU:HB2	2.45	0.46
1:A:1043:VAL:HG22	1:A:1046:GLU:HB3	1.98	0.46
1:A:1190:ARG:CZ	1:A:1190:ARG:HB2	2.45	0.46
1:A:1233:LYS:C	1:A:1236:GLN:NE2	2.73	0.46
2:B:183:GLU:C	2:B:214:CYS:SG	2.99	0.46
2:B:187:HIS:O	2:B:190:LEU:HB2	2.16	0.46
2:B:423:SER:HG	2:B:428:LEU:HD22	1.79	0.46
2:C:185:LEU:CG	2:C:214:CYS:SG	3.03	0.46
2:C:300:ILE:CA	2:C:342:LEU:HD12	2.42	0.46
2:C:375:HIS:NE2	2:C:377:CYS:SG	2.87	0.46
1:D:157:LEU:HD23	1:D:157:LEU:N	2.30	0.46
1:D:163:PRO:HB2	1:D:165:LYS:CG	2.36	0.46
1:D:503:VAL:O	1:D:505:LYS:O	2.33	0.46
1:D:636:THR:CG2	1:D:637:GLY:N	2.74	0.46
1:D:719:LEU:O	1:D:722:ARG:HD3	2.15	0.46
1:D:720:THR:HA	1:D:721:ALA:O	2.15	0.46
1:D:1014:ARG:NE	1:D:1022:LEU:HD22	2.30	0.46
1:D:1019:TRP:CE3	1:D:1168:LEU:CG	2.75	0.46
1:D:1151:LEU:HD11	1:D:1227:THR:OG1	2.15	0.46
2:E:212:GLY:O	2:E:235:THR:C	2.58	0.46
2:E:283:GLY:HA3	2:E:306:LEU:HD23	1.98	0.46
2:E:311:LEU:N	2:E:314:MET:HG3	2.31	0.46
2:F:61:GLY:HA2	2:F:64:GLU:HG2	1.97	0.46
2:F:289:LEU:O	2:F:299:LEU:C	2.58	0.46
2:F:322:LEU:HD22	2:F:323:HIS:N	2.31	0.46
2:F:431:LYS:O	2:F:434:GLU:HB2	2.15	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:70:ARG:HD3	1:A:81:ARG:CB	2.44	0.46
1:A:311:LEU:HD22	1:A:1047:ARG:HD2	1.97	0.46
1:A:363:ARG:HH21	1:A:410:GLN:HG2	1.81	0.46
1:A:439:GLN:NE2	1:A:837:TYR:CE2	2.79	0.46
1:A:480:LYS:H	1:A:484:TRP:CD1	2.33	0.46
1:A:503:VAL:CG2	1:A:504:LYS:N	2.72	0.46
1:A:599:THR:HB	1:A:600:PRO:HD3	1.96	0.46
1:A:655:LEU:CD1	1:A:719:LEU:O	2.62	0.46
1:A:657:ARG:HD3	1:A:744:ILE:CG2	2.45	0.46
1:A:670:PRO:O	1:A:671:GLN:C	2.59	0.46
1:A:751:LYS:HE2	1:A:751:LYS:HB3	1.57	0.46
1:A:812:MET:HE3	1:A:813:VAL:HG13	1.97	0.46
1:A:1013:ASP:CG	1:A:1014:ARG:N	2.73	0.46
1:A:1171:ASN:O	1:A:1172:ASP:OD1	2.33	0.46
2:B:132:HIS:HA	2:B:182:ARG:CZ	2.46	0.46
2:B:269:SER:C	2:B:271:SER:N	2.68	0.46
2:B:475:LEU:CA	2:B:479:ILE:HD13	2.46	0.46
2:C:115:TRP:NE1	2:C:119:VAL:CG2	2.79	0.46
2:C:188:GLY:C	2:C:190:LEU:N	2.70	0.46
2:C:306:LEU:C	2:C:335:VAL:HB	2.40	0.46
2:C:419:GLU:CD	2:C:419:GLU:C	2.84	0.46
1:D:201:VAL:HG13	1:D:202:CYS:N	2.31	0.46
1:D:271:VAL:CG2	1:D:295:MET:HG3	2.46	0.46
1:D:375:GLU:HG3	1:D:379:LYS:HG3	1.93	0.46
1:D:623:LEU:HB3	1:D:667:GLN:HE22	1.71	0.46
1:D:658:LYS:HE3	1:D:713:PRO:HG3	1.98	0.46
1:D:748:TRP:O	1:D:748:TRP:CE3	2.69	0.46
1:D:943:ARG:O	1:D:946:ALA:N	2.49	0.46
1:D:1005:VAL:O	1:D:1006:ARG:C	2.55	0.46
1:D:1192:GLU:O	1:D:1192:GLU:CG	2.59	0.46
1:D:1206:MET:SD	2:F:257:ARG:NH1	2.88	0.46
2:E:99:PHE:O	2:F:128:VAL:CG1	2.63	0.46
2:E:325:ARG:HG2	2:E:330:ASN:H	1.80	0.46
2:E:373:LYS:O	2:E:374:LEU:HG	2.16	0.46
2:F:115:TRP:CD1	2:F:119:VAL:CG2	2.98	0.46
2:F:295:TRP:CD1	2:F:295:TRP:O	2.69	0.46
2:F:300:ILE:HA	2:F:342:LEU:HD12	1.97	0.46
2:F:354:PHE:HD1	2:F:371:VAL:O	1.98	0.46
2:F:455:LEU:HB3	2:F:456:ARG:NE	2.29	0.46
2:F:459:ASP:O	2:F:460:THR:HB	2.16	0.46
1:A:282:TYR:CE2	1:A:291:PHE:CE1	3.04	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:302:SER:HB2	1:A:351:SER:CB	2.45	0.46
1:A:369:PRO:O	1:A:371:LYS:N	2.49	0.46
1:A:539:PHE:O	1:A:540:GLN:HB2	2.16	0.46
1:A:630:ASN:ND2	1:A:631:LEU:N	2.62	0.46
1:A:657:ARG:HD3	1:A:744:ILE:HG22	1.98	0.46
1:A:732:TYR:HD1	1:A:755:LYS:NZ	2.08	0.46
1:A:829:PRO:O	1:A:830:ASP:HB2	2.15	0.46
1:A:933:SER:CB	1:A:943:ARG:CZ	2.91	0.46
1:A:993:ARG:HG3	1:A:994:TRP:HD1	1.81	0.46
1:A:1125:ILE:C	1:A:1126:ASP:OD1	2.59	0.46
1:A:1141:VAL:HG12	1:A:1142:ARG:N	2.31	0.46
2:B:126:PHE:HB3	2:C:101:PRO:HB3	1.98	0.46
2:B:134:LYS:HZ2	2:B:137:PRO:HD2	1.81	0.46
2:B:261:GLN:O	2:B:262:TRP:O	2.34	0.46
2:B:289:LEU:HB3	2:B:300:ILE:HG13	1.97	0.46
2:B:378:LEU:N	2:B:378:LEU:CD1	2.78	0.46
2:B:436:SER:C	2:B:458:ARG:HH11	2.23	0.46
2:B:454:HIS:ND1	2:B:454:HIS:N	2.63	0.46
2:C:115:TRP:NE1	2:C:119:VAL:HG21	2.31	0.46
2:C:191:GLU:N	2:C:314:MET:HE1	2.30	0.46
2:C:221:THR:CG2	2:C:222:LYS:H	2.28	0.46
2:C:291:TYR:CD1	2:C:348:ALA:HB1	2.51	0.46
2:C:348:ALA:O	2:C:351:TYR:CB	2.63	0.46
2:C:361:PHE:CD2	2:C:362:THR:HG23	2.48	0.46
2:C:455:LEU:HD12	2:C:455:LEU:H	1.81	0.46
1:D:270:ASN:N	1:D:294:THR:HG23	2.30	0.46
1:D:289:MET:HE1	1:D:290:ARG:C	2.41	0.46
1:D:374:ARG:NE	1:D:392:LEU:HD21	2.31	0.46
1:D:407:PHE:C	1:D:411:LEU:HG	2.40	0.46
1:D:457:ARG:NH2	2:F:485:VAL:HG23	2.20	0.46
1:D:522:GLY:C	1:D:524:PRO:N	2.74	0.46
1:D:559:LEU:CD1	1:D:560:PRO:HD3	2.39	0.46
1:D:597:ARG:HG2	1:D:617:ARG:HD2	1.98	0.46
1:D:622:TYR:O	1:D:746:GLY:HA2	2.14	0.46
1:D:649:TYR:O	1:D:653:GLU:N	2.45	0.46
1:D:664:GLY:CA	1:D:667:GLN:HG3	2.45	0.46
1:D:729:GLN:HB3	1:D:731:SER:OG	2.16	0.46
1:D:1050:LYS:O	1:D:1053:THR:HB	2.16	0.46
1:D:1166:TYR:HA	1:D:1169:GLY:C	2.41	0.46
1:D:1207:GLU:CB	1:D:1210:TYR:HD2	2.28	0.46
2:E:201:ASN:OD1	2:F:422:GLN:CD	2.59	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:205:PRO:HB3	2:E:242:PHE:C	2.41	0.46
2:E:230:SER:O	2:E:231:ILE:HB	2.15	0.46
2:E:344:ARG:O	2:E:346:MET:N	2.49	0.46
2:E:390:GLY:HA3	2:E:395:LEU:HD23	1.98	0.46
2:E:428:LEU:O	2:E:431:LYS:CB	2.57	0.46
2:F:78:PHE:HZ	2:F:346:MET:CE	2.29	0.46
2:F:389:ARG:CD	2:F:390:GLY:H	2.28	0.46
1:A:76:ILE:CG2	1:A:911:HIS:CE1	2.98	0.46
1:A:598:VAL:N	1:A:616:GLU:OE1	2.49	0.46
1:A:604:ALA:HB3	2:C:363:ARG:NH2	2.30	0.46
1:A:801:TRP:O	1:A:805:HIS:CB	2.64	0.46
1:A:879:GLN:HG3	1:A:886:LEU:CD1	2.46	0.46
1:A:1067:SER:O	1:A:1068:ASP:CB	2.62	0.46
1:A:1068:ASP:H	1:A:1071:ARG:CD	2.28	0.46
1:A:1111:LEU:N	1:A:1111:LEU:CD1	2.79	0.46
1:A:1198:LYS:O	1:A:1199:THR:OG1	2.33	0.46
2:B:79:LEU:HA	2:B:100:GLY:HA3	1.98	0.46
2:B:259:ARG:O	2:B:260:LEU:O	2.34	0.46
2:B:283:GLY:O	2:B:284:ARG:CB	2.64	0.46
2:C:240:VAL:C	2:C:336:LEU:CB	2.83	0.46
1:D:88:PHE:O	1:D:1172:ASP:OD1	2.33	0.46
1:D:116:PRO:CA	1:D:921:LEU:HD13	2.40	0.46
1:D:140:ARG:CG	1:D:140:ARG:NH1	2.74	0.46
1:D:293:ASP:CB	1:D:296:SER:CB	2.94	0.46
1:D:400:VAL:O	1:D:400:VAL:HG12	2.16	0.46
1:D:550:GLN:OE1	1:D:551:LYS:HE3	2.16	0.46
1:D:794:ILE:HA	1:D:797:MET:HG3	1.96	0.46
1:D:822:PRO:N	1:D:825:VAL:HB	2.31	0.46
1:D:865:ALA:CB	1:D:872:SER:O	2.63	0.46
1:D:868:ASP:OD1	1:D:1199:THR:CB	2.63	0.46
1:D:989:THR:C	1:D:998:SER:OG	2.59	0.46
1:D:1024:ASP:O	1:D:1026:ARG:N	2.48	0.46
1:D:1097:VAL:O	1:D:1098:ASN:C	2.57	0.46
1:D:1162:CYS:O	1:D:1166:TYR:CE1	2.69	0.46
1:D:1172:ASP:O	1:D:1173:LEU:CG	2.44	0.46
1:D:1198:LYS:O	1:D:1201:SER:O	2.34	0.46
2:E:114:TRP:CZ2	2:E:238:SER:O	2.69	0.46
2:E:303:LEU:HD12	2:E:303:LEU:N	2.29	0.46
2:E:386:ASP:N	2:E:414:TRP:O	2.49	0.46
2:F:92:LEU:CD2	2:F:344:ARG:HE	2.27	0.46
2:F:259:ARG:HE	2:F:339:ASN:ND2	2.14	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:482:ALA:O	2:F:483:LYS:C	2.59	0.46
1:A:176:THR:O	1:A:177:ARG:HG2	2.16	0.46
1:A:659:HIS:C	1:A:663:GLN:HG3	2.41	0.46
1:A:811:GLN:HB2	1:A:840:ILE:CG2	2.33	0.46
1:A:811:GLN:O	1:A:812:MET:C	2.59	0.46
1:A:821:LEU:CG	1:A:826:ILE:HG23	2.43	0.46
1:A:845:VAL:CG2	1:A:855:VAL:HB	2.45	0.46
1:A:952:GLY:HA2	1:A:955:TYR:HD1	1.81	0.46
1:A:987:ALA:HA	1:A:991:GLY:HA3	1.98	0.46
2:B:104:VAL:HG21	2:C:128:VAL:C	2.40	0.46
2:B:182:ARG:O	2:B:215:PHE:HB2	2.15	0.46
2:B:245:PRO:O	2:B:248:SER:CB	2.64	0.46
2:B:250:GLN:C	2:B:252:LEU:N	2.74	0.46
2:B:374:LEU:N	2:B:458:ARG:NH1	2.64	0.46
2:B:400:GLN:O	2:B:403:PHE:HB3	2.15	0.46
2:C:74:GLN:NE2	2:C:75:ARG:HH21	2.14	0.46
2:C:130:ALA:CA	2:C:182:ARG:NH1	2.79	0.46
2:C:289:LEU:C	2:C:290:TYR:CG	2.94	0.46
2:C:350:LEU:N	2:C:350:LEU:CD1	2.58	0.46
2:C:351:TYR:CA	2:C:355:GLN:HB2	2.42	0.46
2:C:444:THR:H	2:C:447:THR:CG2	2.23	0.46
2:C:452:LEU:HD12	2:C:453:ILE:HG13	1.98	0.46
1:D:150:TYR:CE1	1:D:266:VAL:HG21	2.51	0.46
1:D:279:ARG:O	1:D:841:LEU:CG	2.54	0.46
1:D:368:PRO:CB	1:D:369:LEU:CD2	2.94	0.46
1:D:546:ARG:C	1:D:551:LYS:HZ1	2.11	0.46
1:D:627:ARG:O	1:D:627:ARG:CG	2.64	0.46
1:D:652:ILE:HA	1:D:655:LEU:CB	2.46	0.46
1:D:665:LYS:O	1:D:669:MET:N	2.38	0.46
1:D:770:PHE:O	1:D:773:LYS:CG	2.64	0.46
1:D:801:TRP:CD2	1:D:870:VAL:CG1	2.99	0.46
1:D:877:MET:CE	1:D:1203:PRO:C	2.84	0.46
1:D:904:ASP:OD1	1:D:915:ALA:HB3	2.16	0.46
1:D:932:HIS:CE1	1:D:947:LYS:HG2	2.51	0.46
1:D:935:THR:O	1:D:938:THR:OG1	2.33	0.46
1:D:986:TYR:CD1	1:D:990:LYS:HD2	2.51	0.46
1:D:1034:ARG:O	1:D:1035:LYS:HB2	2.16	0.46
2:E:254:PHE:CZ	2:E:258:HIS:HB2	2.51	0.46
2:E:263:TRP:CH2	2:E:300:ILE:HD12	2.51	0.46
2:E:419:GLU:OE1	2:E:420:THR:HG22	2.16	0.46
2:E:472:LYS:HZ1	2:E:473:ASP:CG	2.24	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:63:GLY:O	2:F:67:GLU:HG3	2.16	0.46
2:F:76:ARG:CG	2:F:76:ARG:NH1	2.79	0.46
2:F:86:LEU:C	2:F:87:SER:O	2.59	0.46
2:F:306:LEU:HB3	2:F:335:VAL:HG21	1.98	0.46
2:F:423:SER:OG	2:F:424:SER:N	2.47	0.46
1:A:77:GLN:O	1:A:79:LEU:HG	2.16	0.45
1:A:94:MET:SD	1:A:909:GLY:HA3	2.56	0.45
1:A:185:VAL:N	1:A:186:PRO:CD	2.80	0.45
1:A:238:GLN:CB	1:A:239:LEU:HG	2.42	0.45
1:A:407:PHE:CD2	1:A:407:PHE:N	2.83	0.45
1:A:411:LEU:CD1	1:A:411:LEU:C	2.89	0.45
1:A:600:PRO:HG3	1:A:765:PRO:HG3	1.98	0.45
1:A:608:ASP:CA	1:A:620:TRP:HH2	2.29	0.45
1:A:788:GLY:O	1:A:791:ALA:HB3	2.16	0.45
1:A:808:ILE:O	1:A:811:GLN:NE2	2.49	0.45
1:A:857:PRO:O	1:A:861:THR:CB	2.64	0.45
1:A:943:ARG:O	1:A:946:ALA:N	2.49	0.45
1:A:993:ARG:O	1:A:994:TRP:C	2.58	0.45
1:A:1069:ILE:HD13	1:A:1069:ILE:O	2.16	0.45
1:A:1109:LEU:HA	1:A:1109:LEU:HD13	1.60	0.45
1:A:1144:GLU:C	1:A:1146:ARG:N	2.74	0.45
1:A:1198:LYS:HA	1:A:1204:THR:HG23	1.98	0.45
1:A:1227:THR:O	1:A:1228:LYS:O	2.35	0.45
2:B:246:ARG:O	2:B:248:SER:N	2.49	0.45
2:B:439:PHE:HD1	2:B:456:ARG:O	1.98	0.45
2:C:193:TYR:O	2:C:194:VAL:C	2.59	0.45
2:C:394:GLU:CA	2:C:397:GLN:HB3	2.45	0.45
2:C:395:LEU:CD2	2:C:443:VAL:CG1	2.89	0.45
2:C:432:TYR:O	2:C:436:SER:N	2.48	0.45
2:C:470:LYS:O	2:C:474:PHE:N	2.49	0.45
1:D:407:PHE:HD1	1:D:411:LEU:CG	2.29	0.45
1:D:453:GLU:C	1:D:457:ARG:CG	2.89	0.45
1:D:459:MET:C	1:D:460:LYS:HE2	2.20	0.45
1:D:482:ASP:CG	1:D:483:PRO:HD2	2.42	0.45
1:D:482:ASP:OD1	1:D:482:ASP:C	2.60	0.45
1:D:547:ALA:C	1:D:551:LYS:HZ3	2.24	0.45
1:D:550:GLN:N	1:D:551:LYS:HZ2	2.14	0.45
1:D:592:LEU:O	1:D:593:SER:C	2.56	0.45
1:D:614:TYR:HB3	1:D:615:SER:O	2.16	0.45
1:D:645:VAL:HG13	1:D:650:ARG:CD	2.45	0.45
1:D:768:LYS:O	1:D:769:ASP:CB	2.63	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1028:VAL:HA	1:D:1031:GLU:HG2	1.98	0.45
1:D:1195:MET:HE2	1:D:1195:MET:HB2	1.55	0.45
1:D:1206:MET:O	1:D:1210:TYR:CA	2.64	0.45
2:E:211:ILE:N	2:E:211:ILE:CD1	2.79	0.45
2:E:370:LYS:O	2:E:433:ASP:CG	2.58	0.45
2:F:72:ILE:HD12	2:F:76:ARG:HE	1.81	0.45
2:F:78:PHE:C	2:F:79:LEU:HD22	2.41	0.45
2:F:138:LEU:HD22	2:F:138:LEU:N	2.31	0.45
2:F:181:LEU:O	2:F:182:ARG:C	2.59	0.45
2:F:401:GLY:O	2:F:402:LEU:C	2.59	0.45
1:A:278:ILE:HG23	1:A:291:PHE:HE1	1.80	0.45
1:A:386:ARG:NH1	1:A:387:GLU:CG	2.79	0.45
1:A:439:GLN:CG	1:A:835:GLY:CA	2.75	0.45
1:A:604:ALA:HB2	1:A:717:LEU:HD13	1.99	0.45
1:A:623:LEU:O	1:A:623:LEU:CG	2.45	0.45
1:A:651:ALA:O	1:A:655:LEU:HD23	2.16	0.45
1:A:944:GLU:N	1:A:947:LYS:HE3	2.31	0.45
1:A:1173:LEU:HA	1:A:1174:PRO:HD3	1.65	0.45
1:A:1190:ARG:HD2	1:A:1195:MET:CE	2.45	0.45
1:A:1231:LEU:CG	1:A:1232:GLU:H	2.16	0.45
2:B:186:LEU:CD1	2:B:337:SER:HB2	2.37	0.45
2:C:86:LEU:O	2:C:91:LEU:HB2	2.16	0.45
2:C:304:TRP:CD1	2:C:304:TRP:H	2.34	0.45
2:C:432:TYR:HB3	2:C:437:ILE:CG1	2.46	0.45
2:C:458:ARG:HH11	2:C:458:ARG:CG	2.20	0.45
1:D:271:VAL:CG1	1:D:272:SER:N	2.49	0.45
1:D:289:MET:C	1:D:290:ARG:HD2	2.41	0.45
1:D:546:ARG:O	1:D:550:GLN:CD	2.59	0.45
1:D:739:TYR:O	1:D:740:ASN:ND2	2.49	0.45
1:D:801:TRP:CH2	1:D:805:HIS:CB	2.99	0.45
1:D:992:LEU:C	1:D:996:ARG:NE	2.75	0.45
1:D:1131:ILE:CD1	1:D:1138:ARG:O	2.63	0.45
2:E:106:LEU:HD12	2:E:109:ASN:HD21	1.80	0.45
2:F:80:SER:HB2	2:F:98:GLY:C	2.41	0.45
2:F:129:ASP:OD1	2:F:131:LEU:HD11	2.17	0.45
2:F:351:TYR:CA	2:F:355:GLN:HB2	2.44	0.45
1:A:79:LEU:CB	1:A:89:GLY:O	2.64	0.45
1:A:268:GLY:O	1:A:269:HIS:CD2	2.69	0.45
1:A:313:ILE:CG1	1:A:314:ALA:N	2.79	0.45
1:A:456:GLN:O	1:A:457:ARG:C	2.58	0.45
1:A:566:LEU:O	1:A:567:PRO:C	2.59	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:596:MET:HB3	1:A:596:MET:HE2	1.83	0.45
1:A:603:MET:HE3	1:A:791:ALA:CB	2.46	0.45
1:A:783:PRO:CG	2:C:363:ARG:NH1	2.79	0.45
1:A:879:GLN:CB	1:A:886:LEU:CD1	2.92	0.45
1:A:918:TRP:O	1:A:918:TRP:CD1	2.69	0.45
1:A:996:ARG:NH2	1:A:1003:TRP:CB	2.68	0.45
1:A:1020:ILE:O	1:A:1021:SER:CB	2.64	0.45
1:A:1200:PRO:HB2	1:A:1203:PRO:HD2	1.98	0.45
2:B:122:ARG:HD3	2:B:124:GLN:HE22	1.81	0.45
2:B:192:HIS:O	2:B:195:ASN:HB3	2.17	0.45
2:C:86:LEU:N	2:C:86:LEU:HD12	2.31	0.45
2:C:194:VAL:O	2:C:197:LEU:CB	2.63	0.45
2:C:416:GLY:HA2	2:C:419:GLU:HB3	1.98	0.45
2:C:443:VAL:CB	2:C:447:THR:HG21	2.44	0.45
1:D:157:LEU:CG	1:D:194:ALA:CB	2.95	0.45
1:D:201:VAL:CG1	1:D:202:CYS:N	2.80	0.45
1:D:479:TYR:HE1	1:D:480:LYS:HE2	1.82	0.45
1:D:502:LYS:HD2	1:D:506:GLU:HB3	1.98	0.45
1:D:575:LYS:HE3	1:D:581:ASP:HB3	1.97	0.45
1:D:632:ALA:HB2	1:D:657:ARG:HD2	1.98	0.45
1:D:649:TYR:CD2	1:D:652:ILE:CD1	2.99	0.45
1:D:654:SER:O	1:D:655:LEU:C	2.58	0.45
1:D:665:LYS:O	1:D:669:MET:O	2.34	0.45
1:D:738:PRO:C	1:D:739:TYR:O	2.57	0.45
1:D:827:ARG:CG	1:D:828:HIS:N	2.79	0.45
1:D:865:ALA:HB2	1:D:872:SER:C	2.40	0.45
1:D:930:ASP:OD2	1:D:930:ASP:O	2.34	0.45
1:D:1070:PRO:HD3	1:D:1071:ARG:NH1	2.30	0.45
1:D:1136:GLU:HG3	1:D:1138:ARG:HH12	1.81	0.45
1:D:1195:MET:O	1:D:1196:ASP:CB	2.63	0.45
2:E:387:VAL:O	2:E:442:LEU:CD2	2.62	0.45
2:E:422:GLN:HG2	2:E:424:SER:CA	2.47	0.45
2:F:303:LEU:C	2:F:304:TRP:CD1	2.93	0.45
2:F:414:TRP:O	2:F:415:PRO:C	2.57	0.45
1:A:79:LEU:HD13	1:A:1172:ASP:OD2	2.16	0.45
1:A:271:VAL:HG22	1:A:295:MET:CE	2.46	0.45
1:A:720:THR:HG22	1:A:721:ALA:H	1.82	0.45
1:A:850:ILE:HD11	1:A:1099:TRP:CE2	2.51	0.45
1:A:869:ARG:HG2	1:A:870:VAL:CG2	2.37	0.45
1:A:920:THR:O	1:A:921:LEU:C	2.58	0.45
1:A:1005:VAL:O	1:A:1006:ARG:NH1	2.50	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1069:ILE:HG23	1:A:1070:PRO:HG3	1.98	0.45
1:A:1144:GLU:O	1:A:1145:ASP:C	2.57	0.45
2:B:115:TRP:CZ2	2:C:108:LYS:CD	2.98	0.45
2:B:127:PRO:HG2	2:C:104:VAL:HB	1.97	0.45
2:B:196:CYS:O	2:B:199:LEU:N	2.43	0.45
2:B:243:THR:OG1	2:B:244:PRO:HD2	2.16	0.45
2:C:78:PHE:CE2	2:C:350:LEU:CD2	2.99	0.45
2:C:264:ARG:HG2	2:C:270:PRO:HB2	1.98	0.45
2:C:317:GLY:HA2	2:C:320:SER:CB	2.42	0.45
2:C:372:LEU:CG	2:C:436:SER:HB2	2.46	0.45
2:C:456:ARG:HB3	2:C:463:LYS:O	2.16	0.45
2:C:476:ILE:HD13	2:C:477:LYS:H	1.79	0.45
1:D:258:GLN:O	1:D:259:ARG:HB3	2.16	0.45
1:D:279:ARG:NH1	1:D:841:LEU:HD13	2.31	0.45
1:D:453:GLU:C	1:D:457:ARG:HG2	2.40	0.45
1:D:461:LYS:O	1:D:465:ASP:OD2	2.34	0.45
1:D:586:THR:O	1:D:586:THR:CG2	2.65	0.45
1:D:606:THR:HG1	1:D:614:TYR:HH	1.58	0.45
1:D:652:ILE:O	1:D:655:LEU:HB2	2.17	0.45
1:D:893:SER:OG	1:D:894:GLN:N	2.48	0.45
1:D:1023:GLN:OE1	1:D:1100:VAL:HG22	2.17	0.45
1:D:1066:THR:C	1:D:1073:PRO:HD3	2.41	0.45
1:D:1099:TRP:HA	1:D:1099:TRP:CE3	2.51	0.45
2:E:259:ARG:HE	2:E:301:GLU:CD	2.23	0.45
2:E:272:ASN:OD1	2:E:292:ASN:ND2	2.46	0.45
2:E:285:LYS:O	2:E:304:TRP:CE3	2.70	0.45
2:E:329:LYS:O	2:E:330:ASN:O	2.34	0.45
2:E:450:ASN:ND2	2:E:452:LEU:HD21	2.27	0.45
2:E:478:TYR:O	2:E:478:TYR:HD1	1.98	0.45
2:F:187:HIS:O	2:F:188:GLY:C	2.59	0.45
2:F:199:LEU:O	2:F:200:VAL:HB	2.17	0.45
1:A:202:CYS:C	1:A:204:ALA:N	2.71	0.45
1:A:242:ALA:O	1:A:245:ILE:HG23	2.17	0.45
1:A:441:TRP:CZ2	1:A:874:LEU:HB3	2.51	0.45
1:A:577:CYS:HB3	1:A:578:PRO:HD3	1.87	0.45
1:A:591:LEU:CD1	1:A:594:LEU:HD11	2.47	0.45
1:A:652:ILE:O	1:A:656:TYR:CD2	2.70	0.45
1:A:1038:TRP:CZ3	1:A:1041:TRP:CG	3.04	0.45
1:A:1163:MET:O	1:A:1164:PHE:C	2.59	0.45
1:A:1177:VAL:O	1:A:1178:ALA:C	2.59	0.45
2:B:69:LEU:HD21	2:B:351:TYR:CE1	2.51	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:285:LYS:O	2:B:305:ASN:N	2.49	0.45
2:C:88:ARG:CB	2:C:88:ARG:CZ	2.94	0.45
2:C:471:LEU:HA	2:C:474:PHE:CB	2.34	0.45
1:D:76:ILE:CG1	1:D:77:GLN:N	2.79	0.45
1:D:214:ALA:HB3	1:D:219:ALA:N	2.31	0.45
1:D:223:TRP:C	1:D:227:ARG:HD2	2.41	0.45
1:D:248:GLU:HB3	1:D:249:VAL:CA	2.07	0.45
1:D:271:VAL:HG22	1:D:295:MET:HB2	1.98	0.45
1:D:279:ARG:HD2	1:D:841:LEU:CD1	2.46	0.45
1:D:424:LEU:O	1:D:428:LEU:HD12	2.15	0.45
1:D:504:LYS:HZ1	1:D:525:MET:HE3	1.80	0.45
1:D:652:ILE:CG2	1:D:656:TYR:CE2	2.99	0.45
1:D:897:TRP:CZ3	1:D:1177:VAL:CG1	2.98	0.45
1:D:916:PHE:CD1	1:D:920:THR:O	2.69	0.45
1:D:1126:ASP:HB2	1:D:1141:VAL:HG13	1.98	0.45
1:D:1140:LEU:HD23	1:D:1141:VAL:H	1.81	0.45
1:D:1231:LEU:HD21	1:D:1236:GLN:HE22	1.81	0.45
2:E:110:LEU:HA	2:E:378:LEU:HD23	1.97	0.45
2:E:125:VAL:HG22	2:E:241:TRP:CZ3	2.50	0.45
2:E:254:PHE:HA	2:E:257:ARG:NE	2.30	0.45
2:E:259:ARG:NH1	2:E:263:TRP:NE1	2.64	0.45
2:E:280:ASP:N	2:E:304:TRP:CZ3	2.84	0.45
2:E:445:GLU:O	2:E:446:THR:C	2.58	0.45
2:F:76:ARG:O	2:F:102:LEU:HD13	2.16	0.45
2:F:78:PHE:O	2:F:99:PHE:HB3	2.17	0.45
2:F:384:ALA:HA	2:F:414:TRP:HB3	1.98	0.45
2:F:399:CYS:SG	2:F:417:TYR:CE2	3.09	0.45
2:F:400:GLN:NE2	2:F:400:GLN:C	2.75	0.45
2:F:413:VAL:HG12	2:F:415:PRO:CD	2.46	0.45
1:A:107:LEU:HD13	1:A:107:LEU:N	2.32	0.45
1:A:288:ARG:CZ	1:A:290:ARG:HH21	2.29	0.45
1:A:386:ARG:CG	1:A:390:GLN:HE22	2.29	0.45
1:A:597:ARG:HE	1:A:597:ARG:HB2	1.28	0.45
1:A:788:GLY:O	1:A:792:LEU:N	2.49	0.45
2:B:77:HIS:CG	2:C:195:ASN:OD1	2.69	0.45
2:B:78:PHE:CE1	2:B:103:GLY:N	2.85	0.45
2:B:130:ALA:HB1	2:B:188:GLY:HA3	1.99	0.45
2:B:301:GLU:HG2	2:B:303:LEU:HD12	1.99	0.45
2:B:336:LEU:CG	2:B:337:SER:N	2.79	0.45
2:C:190:LEU:O	2:C:191:GLU:C	2.58	0.45
2:C:241:TRP:CG	2:C:243:THR:HG23	2.51	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:342:LEU:HD23	2:C:345:GLY:N	2.17	0.45
1:D:190:PRO:O	1:D:192:GLU:N	2.49	0.45
1:D:277:HIS:HB3	1:D:291:PHE:CD2	2.52	0.45
1:D:389:PHE:CA	1:D:393:MET:HG2	2.45	0.45
1:D:444:TYR:HH	1:D:1206:MET:CG	2.29	0.45
1:D:576:LEU:CD1	1:D:577:CYS:SG	3.05	0.45
1:D:597:ARG:HH12	1:D:725:PRO:N	2.14	0.45
1:D:793:GLU:O	1:D:797:MET:CG	2.64	0.45
1:D:887:VAL:N	1:D:1139:TYR:O	2.48	0.45
1:D:897:TRP:CH2	1:D:1173:LEU:HB3	2.52	0.45
1:D:950:ASN:O	1:D:951:TYR:C	2.58	0.45
1:D:992:LEU:HB2	1:D:997:LEU:HB2	1.98	0.45
1:D:1103:SER:O	1:D:1106:VAL:N	2.50	0.45
1:D:1198:LYS:N	1:D:1204:THR:CG2	2.78	0.45
2:E:341:ASP:C	2:E:341:ASP:OD1	2.59	0.45
2:E:370:LYS:O	2:E:433:ASP:C	2.60	0.45
2:E:372:LEU:O	2:E:458:ARG:CD	2.63	0.45
2:F:111:ALA:O	2:F:115:TRP:HB2	2.15	0.45
2:F:455:LEU:CB	2:F:456:ARG:NE	2.74	0.45
2:F:460:THR:C	2:F:461:THR:HG23	2.41	0.45
1:A:170:ALA:CB	1:A:175:TRP:CZ2	2.67	0.45
1:A:304:LEU:O	1:A:850:ILE:HG21	2.17	0.45
1:A:460:LYS:NZ	1:A:594:LEU:HD21	2.32	0.45
1:A:503:VAL:C	1:A:505:LYS:H	2.23	0.45
1:A:577:CYS:HB3	1:A:578:PRO:HD2	1.97	0.45
1:A:606:THR:OG1	1:A:613:HIS:CA	2.65	0.45
1:A:892:ASP:CB	1:A:927:ARG:HH22	2.30	0.45
1:A:931:LEU:O	1:A:934:LYS:N	2.49	0.45
1:A:984:GLN:O	1:A:987:ALA:HB3	2.17	0.45
1:A:1006:ARG:N	1:A:1006:ARG:HD2	2.31	0.45
1:A:1042:GLU:OE1	1:A:1042:GLU:HA	2.17	0.45
1:A:1109:LEU:CD1	1:A:1113:LEU:HD21	2.38	0.45
1:A:1131:ILE:CG2	1:A:1137:VAL:CA	2.84	0.45
1:A:1158:LEU:HD11	1:A:1179:PHE:CE1	2.51	0.45
2:B:122:ARG:CB	2:B:124:GLN:HE21	2.26	0.45
2:B:256:LEU:O	2:B:257:ARG:C	2.60	0.45
2:B:261:GLN:N	2:B:264:ARG:HD3	2.29	0.45
2:B:320:SER:O	2:B:323:HIS:CD2	2.70	0.45
2:B:385:LEU:N	2:B:414:TRP:O	2.49	0.45
2:C:82:SER:C	2:C:86:LEU:CD1	2.89	0.45
2:C:134:LYS:HD3	2:C:180:LYS:HZ2	1.82	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:187:HIS:HA	2:C:190:LEU:CD1	2.46	0.45
2:C:197:LEU:O	2:C:202:LYS:HA	2.17	0.45
2:C:200:VAL:HG11	2:C:204:LEU:CD1	2.44	0.45
2:C:299:LEU:O	2:C:300:ILE:C	2.59	0.45
2:C:320:SER:HB3	2:C:321:LYS:CG	2.38	0.45
2:C:399:CYS:C	2:C:401:GLY:N	2.69	0.45
2:C:463:LYS:O	2:C:465:MET:CE	2.64	0.45
1:D:103:SER:OG	1:D:104:VAL:N	2.49	0.45
1:D:179:GLY:N	1:D:180:PRO:CD	2.79	0.45
1:D:251:THR:O	1:D:254:SER:N	2.49	0.45
1:D:439:GLN:HG3	1:D:836:LEU:H	1.82	0.45
1:D:458:GLU:C	1:D:460:LYS:CE	2.90	0.45
1:D:466:LEU:O	1:D:470:ALA:HB3	2.17	0.45
1:D:635:PRO:HA	1:D:639:THR:HG1	1.77	0.45
1:D:652:ILE:HG12	1:D:655:LEU:HG	1.98	0.45
1:D:653:GLU:HA	1:D:656:TYR:CD2	2.51	0.45
1:D:788:GLY:C	1:D:792:LEU:HD13	2.42	0.45
1:D:910:MET:SD	1:D:910:MET:C	3.00	0.45
1:D:944:GLU:CB	1:D:1071:ARG:HD3	2.44	0.45
1:D:1040:LYS:HE3	1:D:1040:LYS:CA	2.46	0.45
1:D:1071:ARG:C	1:D:1073:PRO:HD2	2.42	0.45
1:D:1209:ARG:NH1	2:F:252:LEU:HD22	2.32	0.45
2:E:69:LEU:O	2:E:72:ILE:HB	2.17	0.45
2:E:425:LEU:C	2:E:426:GLU:CD	2.85	0.45
2:F:76:ARG:CZ	2:F:434:GLU:CD	2.89	0.45
2:F:78:PHE:CE2	2:F:350:LEU:CD2	2.99	0.45
2:F:128:VAL:CG1	2:F:129:ASP:N	2.79	0.45
2:F:193:TYR:CD1	2:F:242:PHE:CE2	3.04	0.45
2:F:322:LEU:HD22	2:F:324:GLY:N	2.32	0.45
2:F:341:ASP:OD1	2:F:342:LEU:C	2.60	0.45
2:F:363:ARG:HB3	2:F:363:ARG:HH11	1.77	0.45
1:A:145:LYS:CG	1:A:1118:TRP:CH2	2.92	0.45
1:A:175:TRP:CB	1:A:184:ALA:C	2.86	0.45
1:A:296:SER:CB	1:A:846:THR:OG1	2.64	0.45
1:A:301:ILE:CD1	1:A:414:PHE:C	2.90	0.45
1:A:436:PRO:HB3	1:A:880:ALA:H	1.81	0.45
1:A:526:ASP:CG	1:A:527:GLN:N	2.74	0.45
1:A:633:LYS:CD	1:A:634:LEU:N	2.78	0.45
1:A:784:GLY:HA3	2:C:363:ARG:CD	2.47	0.45
1:A:800:PHE:CE2	1:A:867:PRO:CB	3.00	0.45
1:A:808:ILE:HG21	1:A:874:LEU:HD13	1.99	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:851:THR:O	1:A:852:ARG:HG3	2.16	0.45
1:A:1074:VAL:CG2	1:A:1098:ASN:HD21	2.30	0.45
2:B:192:HIS:O	2:B:193:TYR:C	2.58	0.45
2:B:301:GLU:HA	2:B:340:GLY:CA	2.33	0.45
2:B:306:LEU:O	2:B:307:GLY:C	2.58	0.45
2:B:312:LEU:HA	2:B:312:LEU:HD12	1.71	0.45
2:B:338:VAL:O	2:B:339:ASN:ND2	2.40	0.45
2:C:59:ALA:O	2:C:62:SER:OG	2.28	0.45
2:C:200:VAL:HG11	2:C:204:LEU:CB	2.46	0.45
1:D:196:VAL:HA	1:D:267:VAL:HG12	1.99	0.45
1:D:225:SER:HA	1:D:228:LEU:CD2	2.44	0.45
1:D:228:LEU:HG	1:D:229:VAL:H	1.82	0.45
1:D:1158:LEU:CG	1:D:1159:LEU:H	2.27	0.45
1:D:1200:PRO:O	1:D:1200:PRO:CG	2.65	0.45
2:E:104:VAL:CG2	2:F:128:VAL:O	2.65	0.45
2:E:199:LEU:HG	2:E:200:VAL:H	1.80	0.45
2:E:230:SER:OG	2:E:231:ILE:N	2.49	0.45
2:E:407:LEU:HD21	2:E:412:SER:HA	1.93	0.45
2:E:428:LEU:C	2:E:431:LYS:H	2.25	0.45
2:E:474:PHE:O	2:E:475:LEU:C	2.60	0.45
2:F:452:LEU:O	2:F:453:ILE:CB	2.64	0.45
1:A:197:PHE:HB3	1:A:277:HIS:HD2	1.79	0.45
1:A:206:GLY:C	1:A:208:CYS:H	2.24	0.45
1:A:296:SER:OG	1:A:297:MET:N	2.50	0.45
1:A:312:TRP:CH2	1:A:346:ASP:N	2.85	0.45
1:A:316:LYS:HB2	1:A:348:LEU:HD12	1.97	0.45
1:A:424:LEU:N	1:A:424:LEU:CD2	2.64	0.45
1:A:452:TYR:CD1	1:A:801:TRP:NE1	2.83	0.45
1:A:559:LEU:CG	1:A:560:PRO:HD3	2.46	0.45
1:A:611:PRO:HG3	1:A:671:GLN:HG3	1.99	0.45
1:A:805:HIS:O	1:A:806:LYS:C	2.60	0.45
1:A:821:LEU:CD1	1:A:825:VAL:CB	2.92	0.45
1:A:875:LYS:HA	1:A:878:VAL:CG2	2.47	0.45
1:A:1108:TYR:CA	1:A:1164:PHE:HZ	2.29	0.45
1:A:1131:ILE:HG23	1:A:1137:VAL:HA	1.94	0.45
2:B:99:PHE:O	2:C:128:VAL:CG1	2.65	0.45
2:B:391:PRO:CD	2:B:392:THR:H	2.29	0.45
2:B:405:GLU:OE1	2:B:405:GLU:HA	2.16	0.45
2:B:431:LYS:O	2:B:431:LYS:HG2	2.16	0.45
2:C:185:LEU:HD12	2:C:236:GLU:HB2	1.99	0.45
2:C:325:ARG:NH2	2:C:327:GLY:CA	2.80	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:104:VAL:CG1	1:D:105:GLU:N	2.79	0.45
1:D:294:THR:CB	1:D:407:PHE:CE2	2.99	0.45
1:D:346:ASP:H	1:D:1040:LYS:CD	2.24	0.45
1:D:361:ARG:NH2	1:D:362:LEU:CG	2.79	0.45
1:D:430:MET:CE	1:D:1132:SER:HB3	2.35	0.45
1:D:461:LYS:H	1:D:461:LYS:HD2	1.82	0.45
1:D:482:ASP:CB	1:D:483:PRO:CD	2.95	0.45
1:D:815:TRP:CZ3	1:D:836:LEU:CB	2.99	0.45
1:D:1138:ARG:HH21	1:D:1191:LYS:NZ	2.14	0.45
1:D:1154:GLN:HG2	1:D:1179:PHE:CD2	2.52	0.45
1:D:1224:ILE:C	1:D:1224:ILE:CD1	2.83	0.45
2:E:91:LEU:HD22	2:E:91:LEU:N	2.32	0.45
2:E:214:CYS:SG	2:E:236:GLU:CB	3.05	0.45
2:E:258:HIS:O	2:E:261:GLN:HB2	2.17	0.45
2:E:259:ARG:O	2:E:260:LEU:C	2.60	0.45
2:E:322:LEU:HD12	2:E:332:VAL:HG11	1.98	0.45
2:F:69:LEU:O	2:F:69:LEU:HD12	2.17	0.45
2:F:72:ILE:O	2:F:75:ARG:O	2.35	0.45
2:F:146:ARG:HD2	2:F:228:VAL:HG21	1.98	0.45
2:F:190:LEU:O	2:F:191:GLU:C	2.59	0.45
2:F:389:ARG:NH2	2:F:390:GLY:HA3	2.32	0.45
2:F:431:LYS:CE	2:F:435:MET:HG2	2.47	0.45
1:A:98:ALA:O	1:A:102:ARG:CG	2.57	0.45
1:A:131:TYR:CD2	1:A:131:TYR:N	2.79	0.45
1:A:406:VAL:CG2	1:A:407:PHE:HD2	2.30	0.45
1:A:584:ALA:C	1:A:585:TRP:CE3	2.80	0.45
1:A:614:TYR:HE2	1:A:620:TRP:CE3	2.35	0.45
1:A:828:HIS:O	1:A:830:ASP:OD2	2.36	0.45
1:A:875:LYS:CA	1:A:878:VAL:HG23	2.47	0.45
1:A:886:LEU:C	1:A:1146:ARG:NH1	2.75	0.45
2:B:106:LEU:O	2:B:109:ASN:CB	2.65	0.45
2:B:114:TRP:HD1	2:B:262:TRP:CE3	2.35	0.45
2:B:250:GLN:O	2:B:252:LEU:N	2.42	0.45
2:C:114:TRP:HB2	2:C:262:TRP:CZ2	2.51	0.45
2:C:275:SER:CB	2:C:287:ASN:ND2	2.75	0.45
2:C:306:LEU:N	2:C:335:VAL:CG1	2.69	0.45
2:C:353:SER:HB3	2:C:373:LYS:O	2.17	0.45
2:C:476:ILE:HD13	2:C:477:LYS:HG3	1.99	0.45
1:D:80:SER:C	1:D:82:GLY:N	2.74	0.45
1:D:138:HIS:HA	1:D:141:LEU:CD1	2.47	0.45
1:D:208:CYS:SG	1:D:245:ILE:HG22	2.57	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:438:ASN:HD21	1:D:882:PRO:HD3	1.82	0.45
1:D:457:ARG:O	1:D:461:LYS:HD2	2.17	0.45
1:D:539:PHE:O	1:D:540:GLN:HB2	2.17	0.45
1:D:807:ARG:HH22	1:D:1061:LEU:CD1	2.30	0.45
1:D:822:PRO:CD	1:D:825:VAL:CG2	2.78	0.45
1:D:845:VAL:C	1:D:846:THR:O	2.52	0.45
1:D:919:MET:O	1:D:920:THR:C	2.60	0.45
1:D:1132:SER:C	1:D:1133:ILE:HD13	2.42	0.45
1:D:1200:PRO:O	1:D:1201:SER:C	2.59	0.45
2:E:193:TYR:CE2	2:E:322:LEU:HB3	2.49	0.45
2:E:353:SER:C	2:E:372:LEU:HD11	2.42	0.45
2:E:431:LYS:HD3	2:E:434:GLU:HG3	1.99	0.45
2:F:126:PHE:HB2	2:F:128:VAL:HG23	1.98	0.45
1:A:83:LEU:O	1:A:86:GLN:N	2.50	0.44
1:A:249:VAL:O	1:A:250:PRO:C	2.59	0.44
1:A:252:GLY:O	1:A:256:PRO:HB3	2.17	0.44
1:A:348:LEU:HD13	1:A:350:ILE:CD1	2.45	0.44
1:A:412:PRO:O	1:A:416:GLU:HG3	2.17	0.44
1:A:444:TYR:O	1:A:448:ALA:HB2	2.17	0.44
1:A:453:GLU:C	1:A:457:ARG:HG3	2.41	0.44
1:A:498:LYS:CG	1:A:518:ALA:HB3	2.47	0.44
1:A:504:LYS:C	1:A:505:LYS:HG3	2.43	0.44
1:A:877:MET:HE2	1:A:877:MET:O	2.17	0.44
1:A:897:TRP:O	1:A:900:ALA:CB	2.53	0.44
1:A:938:THR:O	1:A:939:VAL:CG2	2.65	0.44
1:A:1030:ARG:CG	1:A:1040:LYS:NZ	2.62	0.44
2:B:76:ARG:O	2:B:77:HIS:O	2.35	0.44
2:B:243:THR:O	2:B:334:CYS:HB2	2.18	0.44
2:B:453:ILE:HD13	2:B:466:MET:O	2.17	0.44
2:C:70:LEU:O	2:C:73:CYS:N	2.46	0.44
2:C:83:LYS:O	2:C:86:LEU:HB2	2.17	0.44
2:C:251:TRP:CZ3	2:C:254:PHE:CG	3.04	0.44
2:C:374:LEU:O	2:C:375:HIS:C	2.61	0.44
2:C:382:LYS:HD3	2:C:411:ILE:CD1	2.46	0.44
2:C:431:LYS:CE	2:C:435:MET:HG2	2.44	0.44
1:D:189:ILE:CG2	1:D:258:GLN:CB	2.89	0.44
1:D:282:TYR:CD1	1:D:282:TYR:N	2.84	0.44
1:D:374:ARG:CD	1:D:392:LEU:CD2	2.87	0.44
1:D:429:GLU:CG	1:D:1117:LYS:HE2	2.43	0.44
1:D:444:TYR:C	1:D:446:ALA:N	2.72	0.44
1:D:513:LEU:O	1:D:568:GLY:C	2.60	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:612:LEU:HD23	1:D:620:TRP:O	2.17	0.44
1:D:733:HIS:O	1:D:750:PHE:O	2.35	0.44
1:D:743:ASP:CB	1:D:744:ILE:HD13	2.46	0.44
1:D:829:PRO:CD	1:D:829:PRO:O	2.66	0.44
1:D:1139:TYR:CD1	1:D:1153:LEU:HD13	2.53	0.44
2:E:314:MET:O	2:E:315:TYR:C	2.60	0.44
2:F:229:LYS:O	2:F:230:SER:HB2	2.17	0.44
2:F:307:GLY:N	2:F:335:VAL:CG1	2.80	0.44
2:F:344:ARG:CG	2:F:347:LEU:HD22	2.47	0.44
2:F:375:HIS:NE2	2:F:377:CYS:SG	2.89	0.44
2:F:429:TYR:O	2:F:432:TYR:HB2	2.17	0.44
2:F:474:PHE:CD2	2:F:475:LEU:HD23	2.53	0.44
1:A:83:LEU:C	1:A:85:GLU:N	2.76	0.44
1:A:94:MET:HE1	1:A:909:GLY:HA2	1.98	0.44
1:A:273:PHE:CD2	1:A:273:PHE:N	2.85	0.44
1:A:316:LYS:HZ2	1:A:350:ILE:HG21	1.82	0.44
1:A:392:LEU:CG	1:A:395:TYR:HB2	2.47	0.44
1:A:490:TRP:HH2	1:A:597:ARG:O	1.99	0.44
1:A:630:ASN:ND2	1:A:630:ASN:C	2.74	0.44
1:A:630:ASN:HD21	1:A:632:ALA:CB	2.30	0.44
1:A:659:HIS:CD2	1:A:720:THR:CG2	3.00	0.44
1:A:724:GLY:HA2	1:A:725:PRO:HA	1.55	0.44
1:A:1019:TRP:CD1	1:A:1019:TRP:C	2.95	0.44
1:A:1035:LYS:HG3	1:A:1039:LYS:HE2	0.80	0.44
1:A:1048:ALA:CB	1:A:1092:PHE:CE1	3.00	0.44
2:B:105:GLU:HG3	2:B:380:PRO:O	2.17	0.44
2:B:289:LEU:N	2:B:301:GLU:O	2.48	0.44
2:B:350:LEU:HD13	2:B:350:LEU:C	2.41	0.44
2:B:470:LYS:C	2:B:472:LYS:H	2.25	0.44
2:C:83:LYS:N	2:C:86:LEU:HD22	2.32	0.44
2:C:214:CYS:SG	2:C:236:GLU:CG	3.05	0.44
2:C:243:THR:HB	2:C:247:THR:HG21	1.99	0.44
2:C:320:SER:CB	2:C:321:LYS:HG3	2.35	0.44
2:C:348:ALA:O	2:C:351:TYR:HB2	2.17	0.44
1:D:223:TRP:CZ3	1:D:250:PRO:HB3	2.49	0.44
1:D:267:VAL:CG2	1:D:291:PHE:CE2	2.99	0.44
1:D:295:MET:O	1:D:296:SER:C	2.60	0.44
1:D:486:TRP:CE3	1:D:598:VAL:HG21	2.53	0.44
1:D:529:ASP:O	1:D:530:LEU:CB	2.57	0.44
1:D:542:ASP:O	1:D:546:ARG:CB	2.65	0.44
1:D:549:LEU:H	1:D:551:LYS:HZ2	1.28	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:576:LEU:H	1:D:579:ARG:HD2	1.83	0.44
1:D:887:VAL:CG1	1:D:1183:VAL:HG11	2.47	0.44
1:D:1067:SER:HB3	1:D:1073:PRO:HD2	1.98	0.44
1:D:1099:TRP:HA	1:D:1099:TRP:HE3	1.82	0.44
1:D:1131:ILE:HG13	1:D:1138:ARG:HB2	1.99	0.44
1:D:1155:ILE:O	1:D:1157:ASN:N	2.50	0.44
2:E:199:LEU:CB	2:F:77:HIS:NE2	2.74	0.44
2:E:311:LEU:H	2:E:313:HIS:HB3	1.82	0.44
2:E:380:PRO:CG	2:E:438:LEU:CD1	2.96	0.44
2:F:317:GLY:O	2:F:318:ASN:C	2.55	0.44
2:F:336:LEU:CD2	2:F:337:SER:C	2.89	0.44
2:F:389:ARG:CD	2:F:390:GLY:N	2.81	0.44
1:A:129:PRO:O	1:A:131:TYR:CE2	2.70	0.44
1:A:196:VAL:O	1:A:401:TRP:CH2	2.61	0.44
1:A:210:THR:HA	1:A:224:CYS:HB2	1.95	0.44
1:A:266:VAL:HG22	1:A:267:VAL:H	1.82	0.44
1:A:439:GLN:HG2	1:A:836:LEU:H	1.78	0.44
1:A:470:ALA:O	1:A:474:LEU:HD13	2.17	0.44
1:A:549:LEU:HD23	1:A:549:LEU:HA	1.54	0.44
1:A:656:TYR:HA	1:A:659:HIS:CD2	2.51	0.44
1:A:907:PHE:CZ	1:A:1001:GLY:CA	2.99	0.44
1:A:1068:ASP:N	1:A:1071:ARG:HG2	2.02	0.44
2:B:385:LEU:O	2:B:415:PRO:HA	2.17	0.44
2:C:87:SER:O	2:C:90:SER:N	2.49	0.44
2:C:450:ASN:OD1	2:C:453:ILE:HD12	2.17	0.44
1:D:127:LEU:HD23	1:D:128:PRO:HD2	1.98	0.44
1:D:220:TRP:NE1	1:D:221:TYR:HD2	2.14	0.44
1:D:221:TYR:O	1:D:222:SER:CB	2.65	0.44
1:D:438:ASN:H	1:D:441:TRP:CG	2.35	0.44
1:D:515:ILE:CG2	1:D:565:HIS:CG	3.00	0.44
1:D:560:PRO:C	1:D:561:LYS:HG3	2.43	0.44
1:D:638:THR:HG23	1:D:641:GLU:CD	2.42	0.44
1:D:711:ALA:O	1:D:712:VAL:HB	2.17	0.44
1:D:792:LEU:HA	1:D:795:ASN:CG	2.41	0.44
1:D:823:ARG:NH1	1:D:824:ALA:CB	2.80	0.44
1:D:886:LEU:N	1:D:1146:ARG:NH1	2.66	0.44
1:D:1015:THR:HB	1:D:1016:GLU:H	1.19	0.44
1:D:1046:GLU:O	1:D:1049:TRP:CD1	2.70	0.44
1:D:1184:ASP:OD1	1:D:1184:ASP:N	2.48	0.44
2:E:68:ALA:O	2:E:69:LEU:C	2.60	0.44
2:F:59:ALA:N	2:F:60:PRO:HD2	2.32	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:71:GLU:C	2:F:71:GLU:CD	2.86	0.44
2:F:131:LEU:O	2:F:182:ARG:HD3	2.15	0.44
2:F:196:CYS:HB2	2:F:206:TYR:OH	2.18	0.44
2:F:239:LEU:N	2:F:338:VAL:HG13	2.22	0.44
2:F:253:ASP:C	2:F:257:ARG:HD2	2.40	0.44
2:F:385:LEU:HD23	2:F:385:LEU:HA	1.75	0.44
2:F:407:LEU:HD13	2:F:408:GLU:OE2	2.17	0.44
1:A:117:ALA:C	1:A:119:PRO:HD3	2.40	0.44
1:A:215:ILE:HD12	1:A:401:TRP:CE3	2.51	0.44
1:A:316:LYS:CD	1:A:350:ILE:CG1	2.85	0.44
1:A:417:ARG:C	1:A:419:PRO:CD	2.90	0.44
1:A:464:MET:SD	1:A:578:PRO:O	2.76	0.44
1:A:472:GLN:CG	2:C:460:THR:HB	2.41	0.44
1:A:477:GLU:CG	1:A:478:ARG:N	2.32	0.44
1:A:497:GLN:OE1	1:A:497:GLN:O	2.35	0.44
1:A:504:LYS:O	1:A:505:LYS:HG3	2.17	0.44
1:A:515:ILE:HG13	1:A:568:GLY:O	2.17	0.44
1:A:579:ARG:HG2	1:A:579:ARG:NH1	2.33	0.44
1:A:580:LEU:HD23	1:A:596:MET:SD	2.58	0.44
1:A:588:GLY:C	1:A:806:LYS:HZ1	2.25	0.44
1:A:612:LEU:HD22	1:A:620:TRP:CA	2.45	0.44
1:A:646:VAL:O	1:A:647:CYS:HB2	2.17	0.44
1:A:737:GLY:N	1:A:750:PHE:HE1	2.16	0.44
1:A:801:TRP:CE2	1:A:805:HIS:HB2	2.53	0.44
1:A:862:ALA:HB1	1:A:875:LYS:CE	2.46	0.44
1:A:945:HIS:NE2	1:A:969:PHE:CG	2.85	0.44
1:A:980:GLU:O	1:A:984:GLN:HG3	2.18	0.44
1:A:993:ARG:HG3	1:A:994:TRP:CD1	2.52	0.44
1:A:1133:ILE:HG23	1:A:1133:ILE:O	2.18	0.44
1:A:1146:ARG:HH11	1:A:1146:ARG:HG3	1.82	0.44
1:A:1209:ARG:HH22	2:C:256:LEU:HG	1.82	0.44
2:B:251:TRP:HA	2:B:251:TRP:HE3	1.83	0.44
2:B:376:PRO:O	2:B:377:CYS:C	2.60	0.44
2:C:92:LEU:CD2	2:C:344:ARG:HE	2.28	0.44
2:C:185:LEU:CD2	2:C:214:CYS:SG	3.05	0.44
2:C:241:TRP:CZ3	2:C:255:TRP:CZ2	3.06	0.44
2:C:375:HIS:CD2	2:C:377:CYS:H	2.36	0.44
1:D:249:VAL:HG11	1:D:251:THR:CG2	2.47	0.44
1:D:270:ASN:CG	1:D:294:THR:CG2	2.87	0.44
1:D:386:ARG:O	1:D:387:GLU:C	2.60	0.44
1:D:803:ASN:OD1	1:D:803:ASN:N	2.50	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:903:GLY:O	1:D:904:ASP:C	2.61	0.44
1:D:1111:LEU:HD12	1:D:1111:LEU:N	2.32	0.44
1:D:1111:LEU:CD1	1:D:1111:LEU:N	2.80	0.44
1:D:1166:TYR:CE2	1:D:1171:ASN:HA	2.53	0.44
2:E:94:GLY:CA	2:E:96:HIS:CE1	2.97	0.44
2:E:311:LEU:C	2:E:311:LEU:HD23	2.42	0.44
2:F:391:PRO:O	2:F:392:THR:C	2.60	0.44
2:F:405:GLU:OE1	2:F:406:LEU:HD12	2.16	0.44
2:F:407:LEU:HD23	2:F:407:LEU:O	2.17	0.44
1:A:247:LEU:HD11	1:A:251:THR:HG21	1.96	0.44
1:A:467:ALA:HB2	1:A:602:LEU:HD13	2.00	0.44
1:A:471:CYS:C	1:A:472:GLN:OE1	2.61	0.44
1:A:484:TRP:O	1:A:488:LEU:CG	2.57	0.44
1:A:515:ILE:HG12	1:A:565:HIS:HA	1.99	0.44
1:A:543:VAL:O	1:A:544:MET:C	2.58	0.44
1:A:756:ASP:OD1	1:A:770:PHE:HZ	2.00	0.44
1:A:762:VAL:HG23	1:A:763:GLY:N	2.32	0.44
1:A:890:ASP:CG	1:A:1191:LYS:HZ1	2.24	0.44
1:A:1014:ARG:O	1:A:1014:ARG:HG2	2.17	0.44
1:A:1061:LEU:C	1:A:1061:LEU:HD13	2.43	0.44
2:B:100:GLY:CA	2:C:128:VAL:HG11	2.47	0.44
2:B:461:THR:CG2	2:B:463:LYS:NZ	2.80	0.44
2:C:90:SER:O	2:C:93:SER:OG	2.26	0.44
2:C:395:LEU:CD1	2:C:444:THR:CA	2.90	0.44
2:C:449:GLU:H	2:C:451:GLY:N	2.15	0.44
2:C:459:ASP:O	2:C:460:THR:OG1	2.32	0.44
1:D:194:ALA:C	1:D:265:LEU:HD13	2.41	0.44
1:D:291:PHE:O	1:D:292:LEU:C	2.60	0.44
1:D:301:ILE:HG13	1:D:415:LEU:HD12	1.99	0.44
1:D:363:TYR:C	1:D:364:VAL:HG23	2.42	0.44
1:D:384:ASP:O	1:D:388:ASN:OD1	2.36	0.44
1:D:409:GLN:C	1:D:412:PRO:HD3	2.43	0.44
1:D:726:LYS:O	1:D:727:ASP:HB3	2.17	0.44
1:D:786:ALA:O	1:D:787:SER:HB3	2.17	0.44
1:D:826:ILE:O	1:D:829:PRO:HB3	2.18	0.44
1:D:876:ALA:O	1:D:1189:LEU:HD23	2.18	0.44
1:D:897:TRP:CH2	1:D:1173:LEU:HD22	2.53	0.44
1:D:1027:LYS:CB	1:D:1091:GLU:CA	2.85	0.44
1:D:1111:LEU:O	1:D:1112:MET:C	2.60	0.44
1:D:1129:PHE:HB2	1:D:1138:ARG:O	2.17	0.44
1:D:1209:ARG:NH1	2:F:252:LEU:CD1	2.64	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1209:ARG:NH2	2:F:252:LEU:C	2.75	0.44
1:D:1224:ILE:HD11	1:D:1228:LYS:HE3	2.00	0.44
2:E:109:ASN:CB	2:E:378:LEU:O	2.66	0.44
2:E:210:GLN:O	2:E:211:ILE:C	2.61	0.44
2:E:382:LYS:HG3	2:E:383:VAL:H	1.68	0.44
2:E:382:LYS:CD	2:E:383:VAL:H	2.31	0.44
2:E:384:ALA:HB1	2:E:385:LEU:H	1.13	0.44
2:E:441:VAL:HG22	2:E:455:LEU:HD13	2.00	0.44
2:F:129:ASP:OD1	2:F:131:LEU:HD13	2.18	0.44
2:F:138:LEU:HB3	2:F:139:LEU:H	1.57	0.44
2:F:263:TRP:CZ3	2:F:349:TYR:CE2	3.06	0.44
2:F:394:GLU:N	2:F:394:GLU:OE1	2.51	0.44
2:F:426:GLU:O	2:F:429:TYR:HB2	2.17	0.44
2:F:444:THR:O	2:F:447:THR:HG21	2.12	0.44
2:F:454:HIS:CD2	2:F:468:ILE:HG13	2.53	0.44
1:A:652:ILE:O	1:A:655:LEU:HD12	2.17	0.44
1:A:655:LEU:HA	1:A:713:PRO:HB3	2.00	0.44
1:A:905:ALA:CA	1:A:910:MET:HB3	2.47	0.44
1:A:933:SER:HB2	1:A:943:ARG:NH1	2.33	0.44
1:A:934:LYS:HE3	1:A:934:LYS:HB2	1.77	0.44
1:A:973:LEU:HD13	1:A:977:GLU:OE1	2.18	0.44
1:A:1026:ARG:CA	1:A:1029:GLN:NE2	2.80	0.44
1:A:1041:TRP:CD1	1:A:1043:VAL:CB	2.97	0.44
1:A:1146:ARG:HH22	1:A:1186:ASP:H	1.65	0.44
1:A:1208:ARG:CZ	2:C:277:ASP:OD1	2.65	0.44
2:B:132:HIS:CD2	2:B:182:ARG:NH1	2.85	0.44
2:B:217:PRO:HB2	2:B:231:ILE:HB	1.97	0.44
2:B:259:ARG:HD2	2:B:262:TRP:CB	2.48	0.44
2:B:305:ASN:C	2:B:307:GLY:N	2.76	0.44
2:C:199:LEU:HD12	2:C:200:VAL:N	2.32	0.44
2:C:483:LYS:O	2:C:485:VAL:CG1	2.66	0.44
1:D:115:GLN:O	1:D:115:GLN:CD	2.60	0.44
1:D:368:PRO:HA	1:D:369:LEU:HA	1.41	0.44
1:D:430:MET:HE2	1:D:430:MET:HA	2.00	0.44
1:D:518:ALA:O	1:D:521:PRO:HD2	2.17	0.44
1:D:549:LEU:C	1:D:551:LYS:HZ2	2.26	0.44
1:D:597:ARG:O	1:D:600:PRO:HD2	2.17	0.44
1:D:597:ARG:CB	1:D:616:GLU:CD	2.89	0.44
1:D:598:VAL:N	1:D:616:GLU:OE1	2.49	0.44
1:D:801:TRP:CD2	1:D:870:VAL:HG12	2.53	0.44
1:D:1027:LYS:HD3	1:D:1027:LYS:N	2.33	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1118:TRP:NE1	1:D:1122:GLU:OE1	2.51	0.44
1:D:1163:MET:CE	1:D:1167:LYS:CG	2.95	0.44
2:E:386:ASP:HB3	2:E:441:VAL:O	2.18	0.44
2:F:79:LEU:HA	2:F:79:LEU:HD13	1.72	0.44
2:F:241:TRP:HE3	2:F:336:LEU:CD1	2.30	0.44
2:F:259:ARG:CZ	2:F:339:ASN:HD21	2.31	0.44
1:A:70:ARG:HD3	1:A:81:ARG:HB3	1.99	0.44
1:A:184:ALA:O	1:A:185:VAL:CG1	2.58	0.44
1:A:188:ALA:O	1:A:189:ILE:CG1	2.65	0.44
1:A:192:GLU:HB3	1:A:195:LEU:HD21	1.95	0.44
1:A:316:LYS:NZ	1:A:350:ILE:CG1	2.80	0.44
1:A:316:LYS:CB	1:A:348:LEU:HD11	2.47	0.44
1:A:454:GLU:O	1:A:455:LEU:C	2.57	0.44
1:A:515:ILE:HG12	1:A:565:HIS:CA	2.48	0.44
1:A:623:LEU:H	1:A:623:LEU:CD2	2.29	0.44
1:A:630:ASN:O	1:A:631:LEU:HD23	2.18	0.44
1:A:741:ASP:O	1:A:742:VAL:CB	2.50	0.44
1:A:774:MET:C	1:A:777:GLY:H	2.25	0.44
1:A:792:LEU:O	1:A:796:LYS:CG	2.66	0.44
1:A:901:VAL:HA	1:A:904:ASP:OD2	2.18	0.44
1:A:992:LEU:HD12	1:A:993:ARG:N	2.28	0.44
1:A:1179:PHE:O	1:A:1220:ILE:CD1	2.65	0.44
2:B:69:LEU:C	2:B:73:CYS:SG	3.01	0.44
2:B:132:HIS:CG	2:B:182:ARG:CZ	3.01	0.44
2:B:259:ARG:HH11	2:B:259:ARG:CB	2.29	0.44
2:B:277:ASP:HA	2:B:287:ASN:ND2	2.33	0.44
2:B:423:SER:O	2:B:424:SER:HB3	2.17	0.44
2:C:200:VAL:HB	2:C:204:LEU:HD22	1.99	0.44
2:C:254:PHE:HE2	2:C:255:TRP:CE2	2.36	0.44
2:C:293:PHE:HB3	2:C:294:PRO:CD	2.47	0.44
2:C:363:ARG:NH1	2:C:363:ARG:CB	2.81	0.44
2:C:387:VAL:CG1	2:C:395:LEU:O	2.66	0.44
1:D:120:LEU:N	1:D:121:PRO:HD2	2.33	0.44
1:D:127:LEU:HA	1:D:128:PRO:HD3	1.56	0.44
1:D:143:ALA:HA	1:D:146:GLN:HG3	1.99	0.44
1:D:225:SER:O	1:D:229:VAL:HG22	2.18	0.44
1:D:416:GLU:HG3	1:D:416:GLU:H	1.66	0.44
1:D:448:ALA:HB1	1:D:870:VAL:CB	2.37	0.44
1:D:515:ILE:O	1:D:565:HIS:CE1	2.70	0.44
1:D:728:THR:HG22	1:D:729:GLN:N	2.32	0.44
1:D:784:GLY:O	2:F:363:ARG:HG2	2.17	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:878:VAL:C	1:D:879:GLN:HG3	2.42	0.44
1:D:1190:ARG:NH1	1:D:1195:MET:SD	2.90	0.44
1:D:1200:PRO:O	1:D:1203:PRO:CD	2.40	0.44
2:E:90:SER:OG	2:E:96:HIS:N	2.51	0.44
2:E:203:ARG:CG	2:E:203:ARG:NH2	2.79	0.44
2:E:325:ARG:HA	2:E:331:VAL:HG12	1.98	0.44
2:E:437:ILE:CG2	2:E:439:PHE:O	2.66	0.44
2:F:106:LEU:C	2:F:106:LEU:HD12	2.42	0.44
2:F:128:VAL:HG12	2:F:129:ASP:H	1.83	0.44
2:F:430:SER:O	2:F:431:LYS:C	2.61	0.44
1:A:79:LEU:CD1	1:A:1172:ASP:OD2	2.66	0.44
1:A:170:ALA:HB1	1:A:175:TRP:CH2	2.47	0.44
1:A:617:ARG:HB2	1:A:725:PRO:HD3	2.00	0.44
1:A:634:LEU:CD1	1:A:638:THR:HG21	2.47	0.44
1:A:869:ARG:HB3	1:A:872:SER:OG	2.18	0.44
1:A:967:MET:HG2	1:A:978:ALA:HB2	1.99	0.44
1:A:967:MET:SD	1:A:978:ALA:HB2	2.57	0.44
1:A:1065:ALA:O	1:A:1071:ARG:HB3	2.17	0.44
2:B:200:VAL:O	2:B:201:ASN:C	2.61	0.44
2:B:229:LYS:N	2:B:229:LYS:CD	2.78	0.44
2:B:236:GLU:CG	2:B:341:ASP:HB3	2.48	0.44
2:B:468:ILE:O	2:B:468:ILE:CG2	2.62	0.44
2:C:70:LEU:O	2:C:71:GLU:C	2.61	0.44
2:C:348:ALA:O	2:C:352:ASP:N	2.48	0.44
2:C:351:TYR:O	2:C:355:GLN:HB2	2.09	0.44
2:C:361:PHE:HD2	2:C:362:THR:CG2	2.30	0.44
1:D:175:TRP:CZ2	1:D:183:GLU:CG	3.01	0.44
1:D:238:GLN:C	1:D:240:SER:H	2.24	0.44
1:D:242:ALA:O	1:D:246:PRO:CD	2.57	0.44
1:D:279:ARG:NH1	1:D:841:LEU:HA	2.33	0.44
1:D:293:ASP:OD2	1:D:294:THR:N	2.51	0.44
1:D:425:ALA:C	1:D:428:LEU:HD13	2.43	0.44
1:D:482:ASP:HB2	1:D:483:PRO:CD	2.46	0.44
1:D:585:TRP:CE3	1:D:585:TRP:N	2.86	0.44
1:D:728:THR:CG2	1:D:741:ASP:OD2	2.64	0.44
1:D:776:ASP:N	1:D:796:LYS:HZ3	2.15	0.44
1:D:866:ARG:CB	1:D:867:PRO:HD3	2.29	0.44
1:D:870:VAL:HG22	1:D:874:LEU:HD22	2.00	0.44
1:D:927:ARG:HG3	1:D:927:ARG:HH11	1.83	0.44
1:D:1019:TRP:HE3	1:D:1168:LEU:CD1	2.30	0.44
1:D:1057:MET:O	1:D:1058:PHE:C	2.61	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:125:VAL:HG22	2:E:241:TRP:HZ3	1.82	0.44
2:E:128:VAL:CB	2:E:208:LEU:HB3	2.35	0.44
2:E:185:LEU:HD12	2:E:237:ALA:O	2.17	0.44
2:E:335:VAL:CG2	2:E:336:LEU:H	2.31	0.44
2:F:270:PRO:O	2:F:273:PHE:HD2	2.01	0.44
2:F:451:GLY:O	2:F:452:LEU:CB	2.55	0.44
2:F:476:ILE:HD13	2:F:477:LYS:H	1.82	0.44
1:A:195:LEU:HA	1:A:216:SER:OG	2.18	0.44
1:A:493:GLN:O	1:A:495:PHE:CD1	2.71	0.44
1:A:494:GLU:HB2	1:A:572:TRP:CE2	2.52	0.44
1:A:730:PRO:CB	1:A:760:CYS:O	2.66	0.44
1:A:789:PRO:O	1:A:793:GLU:CB	2.65	0.44
1:A:950:ASN:O	1:A:951:TYR:O	2.35	0.44
1:A:963:GLU:HA	1:A:966:LEU:HG	1.99	0.44
1:A:966:LEU:C	1:A:970:ASN:HD22	2.26	0.44
1:A:1030:ARG:NH2	1:A:1044:VAL:CG1	2.81	0.44
1:A:1158:LEU:C	1:A:1162:CYS:HG	2.19	0.44
1:A:1179:PHE:HB3	1:A:1220:ILE:CG1	2.31	0.44
2:B:69:LEU:O	2:B:70:LEU:C	2.59	0.44
2:B:79:LEU:HA	2:B:100:GLY:CA	2.48	0.44
2:B:114:TRP:C	2:B:116:THR:N	2.69	0.44
2:B:206:TYR:CE1	2:B:242:PHE:HZ	2.36	0.44
2:B:249:ASN:O	2:B:250:GLN:C	2.61	0.44
2:B:418:LEU:HD23	2:B:418:LEU:O	2.18	0.44
2:C:115:TRP:CD1	2:C:119:VAL:HG21	2.53	0.44
2:C:204:LEU:HG	2:C:206:TYR:CG	2.53	0.44
2:C:205:PRO:C	2:C:241:TRP:NE1	2.76	0.44
1:D:217:PRO:C	1:D:218:SER:OG	2.54	0.44
1:D:404:HIS:O	1:D:408:GLN:CB	2.66	0.44
1:D:491:ASP:CG	1:D:578:PRO:CB	2.91	0.44
1:D:601:LYS:CE	1:D:721:ALA:HB1	2.32	0.44
1:D:768:LYS:CA	1:D:772:PRO:CD	2.96	0.44
1:D:827:ARG:HD3	1:D:827:ARG:C	2.42	0.44
1:D:873:GLU:HB2	1:D:1203:PRO:HB3	2.00	0.44
1:D:904:ASP:OD2	1:D:915:ALA:CB	2.63	0.44
1:D:914:THR:HA	1:D:918:TRP:CB	2.48	0.44
1:D:952:GLY:O	1:D:953:ARG:C	2.60	0.44
1:D:1162:CYS:O	1:D:1163:MET:C	2.60	0.44
2:E:230:SER:C	2:E:231:ILE:HG13	2.43	0.44
2:E:248:SER:C	2:E:250:GLN:N	2.75	0.44
2:F:279:GLN:NE2	2:F:279:GLN:HA	2.33	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:349:TYR:O	2:F:350:LEU:C	2.61	0.44
1:A:80:SER:H	1:A:83:LEU:CD1	2.08	0.43
1:A:480:LYS:HA	1:A:484:TRP:HD1	1.82	0.43
1:A:486:TRP:CZ3	1:A:598:VAL:CG2	2.96	0.43
1:A:498:LYS:HG2	1:A:518:ALA:H	1.83	0.43
1:A:560:PRO:CB	2:C:452:LEU:HD21	2.47	0.43
1:A:733:HIS:O	1:A:734:HIS:C	2.58	0.43
1:A:928:GLY:C	1:A:930:ASP:N	2.74	0.43
1:A:931:LEU:C	1:A:931:LEU:CD2	2.86	0.43
1:A:939:VAL:O	1:A:940:GLY:C	2.60	0.43
1:A:1058:PHE:O	1:A:1059:ASN:C	2.61	0.43
1:A:1063:SER:C	1:A:1064:ILE:HD12	2.43	0.43
1:A:1194:THR:O	1:A:1195:MET:C	2.60	0.43
1:A:1218:LEU:O	1:A:1219:ASP:CB	2.46	0.43
2:B:69:LEU:C	2:B:73:CYS:HG	2.26	0.43
2:B:84:GLN:C	2:B:84:GLN:CD	2.85	0.43
2:B:182:ARG:CD	2:B:214:CYS:HA	2.48	0.43
2:B:461:THR:HG23	2:B:461:THR:O	2.18	0.43
2:B:471:LEU:HD12	2:B:474:PHE:HD2	1.83	0.43
2:C:90:SER:HB2	2:C:95:CYS:SG	2.59	0.43
2:C:262:TRP:HZ3	2:C:263:TRP:CZ2	2.35	0.43
2:C:294:PRO:HG3	2:C:355:GLN:NE2	2.32	0.43
2:C:444:THR:N	2:C:447:THR:HG21	2.33	0.43
1:D:80:SER:N	1:D:83:LEU:HD11	2.33	0.43
1:D:119:PRO:HG2	1:D:120:LEU:HD22	1.99	0.43
1:D:130:LEU:C	1:D:131:TYR:CD2	2.95	0.43
1:D:166:PRO:HA	1:D:167:PRO:HD3	1.47	0.43
1:D:247:LEU:N	1:D:815:TRP:HD1	2.14	0.43
1:D:553:LYS:HD3	2:F:468:ILE:HG21	1.99	0.43
1:D:770:PHE:HE1	1:D:968:GLN:CA	2.30	0.43
1:D:944:GLU:O	1:D:945:HIS:C	2.61	0.43
1:D:990:LYS:HE2	1:D:1000:GLU:OE2	2.14	0.43
2:E:72:ILE:N	2:E:72:ILE:CD1	2.80	0.43
2:F:70:LEU:O	2:F:73:CYS:N	2.47	0.43
2:F:251:TRP:HZ3	2:F:254:PHE:CG	2.35	0.43
2:F:253:ASP:OD1	2:F:256:LEU:HD23	2.18	0.43
2:F:326:ASP:OD1	2:F:329:LYS:CG	2.56	0.43
2:F:342:LEU:C	2:F:344:ARG:N	2.62	0.43
2:F:387:VAL:HG11	2:F:399:CYS:HB2	1.98	0.43
2:F:415:PRO:HA	2:F:417:TYR:HE2	1.82	0.43
2:F:471:LEU:CA	2:F:474:PHE:CD2	2.91	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:70:ARG:N	1:A:81:ARG:HD2	2.33	0.43
1:A:198:ASP:C	1:A:199:VAL:CG2	2.91	0.43
1:A:267:VAL:CG2	1:A:291:PHE:CE2	3.01	0.43
1:A:585:TRP:N	1:A:585:TRP:CE3	2.83	0.43
1:A:601:LYS:HG2	1:A:721:ALA:HB3	1.98	0.43
1:A:749:PHE:N	1:A:749:PHE:HD1	2.15	0.43
1:A:790:ARG:O	1:A:794:ILE:HG13	2.18	0.43
1:A:836:LEU:O	1:A:837:TYR:HD2	2.02	0.43
1:A:995:TYR:O	1:A:996:ARG:CG	2.66	0.43
1:A:1120:PHE:O	1:A:1121:GLU:C	2.60	0.43
1:A:1149:ALA:O	1:A:1150:ALA:C	2.60	0.43
1:A:1181:SER:O	1:A:1182:ALA:HB2	2.18	0.43
2:B:93:SER:C	2:B:234:LYS:HZ1	2.26	0.43
2:B:117:SER:OG	2:B:259:ARG:HD3	2.18	0.43
2:B:132:HIS:CE1	2:B:182:ARG:HH22	2.36	0.43
2:B:194:VAL:HG13	2:B:195:ASN:H	1.83	0.43
2:B:259:ARG:NH1	2:B:259:ARG:CB	2.81	0.43
2:C:76:ARG:NE	2:C:434:GLU:HB3	2.32	0.43
2:C:207:GLY:CA	2:C:239:LEU:HD11	2.45	0.43
2:C:386:ASP:OD2	2:C:441:VAL:N	2.51	0.43
1:D:76:ILE:HD11	1:D:1174:PRO:N	2.33	0.43
1:D:175:TRP:CB	1:D:185:VAL:HG22	2.47	0.43
1:D:180:PRO:O	1:D:181:GLU:OE2	2.36	0.43
1:D:265:LEU:HD21	1:D:267:VAL:CB	2.48	0.43
1:D:273:PHE:C	1:D:276:ALA:HB3	2.43	0.43
1:D:275:ARG:NH1	1:D:843:GLN:CD	2.61	0.43
1:D:301:ILE:CG2	1:D:302:SER:N	2.77	0.43
1:D:353:VAL:HG23	1:D:354:ASN:OD1	2.19	0.43
1:D:363:TYR:O	1:D:364:VAL:CB	2.65	0.43
1:D:424:LEU:HD23	1:D:424:LEU:H	1.82	0.43
1:D:437:VAL:HG13	1:D:441:TRP:HB2	1.99	0.43
1:D:444:TYR:CZ	1:D:877:MET:CE	3.01	0.43
1:D:479:TYR:CD1	1:D:479:TYR:C	2.97	0.43
1:D:592:LEU:HA	1:D:595:GLN:HG2	1.93	0.43
1:D:779:LEU:HD22	1:D:780:GLN:CA	2.46	0.43
1:D:826:ILE:CB	1:D:831:TYR:HE2	2.26	0.43
1:D:878:VAL:O	1:D:879:GLN:HB3	2.18	0.43
1:D:950:ASN:O	1:D:953:ARG:HB2	2.18	0.43
1:D:1010:LEU:H	1:D:1011:PRO:CD	2.28	0.43
1:D:1151:LEU:CG	1:D:1223:ILE:HD11	2.48	0.43
2:E:100:GLY:O	2:E:104:VAL:N	2.48	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:131:LEU:O	2:E:182:ARG:NH2	2.47	0.43
2:E:244:PRO:C	2:E:248:SER:HB2	2.43	0.43
2:E:252:LEU:O	2:E:252:LEU:HD13	2.18	0.43
2:E:406:LEU:HB2	2:E:413:VAL:HG23	2.00	0.43
2:E:406:LEU:HB2	2:E:413:VAL:CG2	2.48	0.43
2:E:448:LEU:HD23	2:E:449:GLU:CA	2.48	0.43
2:F:245:PRO:CG	2:F:246:ARG:N	2.81	0.43
2:F:331:VAL:CG1	2:F:332:VAL:N	2.78	0.43
2:F:361:PHE:C	2:F:362:THR:HG23	2.43	0.43
2:F:386:ASP:OD2	2:F:441:VAL:N	2.51	0.43
2:F:431:LYS:HZ3	2:F:435:MET:CG	2.32	0.43
2:F:445:GLU:O	2:F:446:THR:C	2.58	0.43
2:F:472:LYS:C	2:F:475:LEU:HG	2.43	0.43
1:A:79:LEU:HB2	1:A:89:GLY:O	2.19	0.43
1:A:111:GLY:C	1:A:112:LEU:HD12	2.42	0.43
1:A:175:TRP:O	1:A:176:THR:HB	2.18	0.43
1:A:203:LEU:HD11	1:A:379:LYS:C	2.34	0.43
1:A:282:TYR:CZ	1:A:291:PHE:CZ	3.06	0.43
1:A:346:ASP:HB2	1:A:1040:LYS:HG3	2.00	0.43
1:A:542:ASP:O	1:A:546:ARG:HG3	2.18	0.43
1:A:560:PRO:HG2	2:C:452:LEU:HD21	2.00	0.43
1:A:570:PRO:CG	1:A:572:TRP:CZ3	3.02	0.43
1:A:588:GLY:N	1:A:806:LYS:HZ1	2.15	0.43
1:A:610:PHE:HB2	1:A:611:PRO:HD3	2.00	0.43
1:A:743:ASP:C	1:A:744:ILE:CD1	2.82	0.43
1:A:813:VAL:HG13	1:A:815:TRP:CZ2	2.52	0.43
1:A:904:ASP:OD1	1:A:915:ALA:HB3	2.19	0.43
1:A:916:PHE:CE2	1:A:920:THR:O	2.72	0.43
2:B:69:LEU:C	2:B:72:ILE:HG12	2.41	0.43
2:B:78:PHE:CE1	2:B:103:GLY:CA	3.01	0.43
2:B:213:VAL:O	2:B:213:VAL:HG13	2.18	0.43
2:C:280:ASP:HB3	2:C:282:GLU:O	2.18	0.43
2:C:372:LEU:HD21	2:C:436:SER:CB	2.46	0.43
1:D:113:TRP:CE3	1:D:114:GLY:N	2.58	0.43
1:D:345:TRP:CA	1:D:1040:LYS:HZ2	2.30	0.43
1:D:440:ASN:CB	1:D:441:TRP:CE3	3.02	0.43
1:D:441:TRP:N	1:D:441:TRP:CE3	2.86	0.43
1:D:741:ASP:C	1:D:748:TRP:CH2	2.96	0.43
1:D:802:ARG:CG	1:D:803:ASN:N	2.81	0.43
1:D:874:LEU:HG	1:D:878:VAL:HG13	2.01	0.43
1:D:926:SER:O	1:D:929:THR:HG22	2.18	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:933:SER:C	1:D:935:THR:H	2.24	0.43
1:D:1093:MET:O	1:D:1094:THR:C	2.59	0.43
2:E:312:LEU:CD1	2:E:312:LEU:H	2.32	0.43
2:E:371:VAL:O	2:E:372:LEU:HB2	2.18	0.43
2:E:476:ILE:O	2:E:480:SER:CB	2.66	0.43
2:F:69:LEU:HD23	2:F:351:TYR:CD1	2.53	0.43
2:F:76:ARG:HD3	2:F:434:GLU:HB2	2.00	0.43
2:F:247:THR:OG1	2:F:251:TRP:HB2	2.18	0.43
2:F:396:ARG:CZ	2:F:397:GLN:HA	2.48	0.43
2:F:449:GLU:O	2:F:451:GLY:N	2.46	0.43
2:F:479:ILE:H	2:F:479:ILE:HG13	1.47	0.43
1:A:79:LEU:HA	1:A:79:LEU:HD23	1.65	0.43
1:A:81:ARG:HA	1:A:84:HIS:CD2	2.52	0.43
1:A:83:LEU:HD22	1:A:89:GLY:CA	2.39	0.43
1:A:190:PRO:C	1:A:192:GLU:H	2.15	0.43
1:A:299:MET:HE2	1:A:353:VAL:HB	1.99	0.43
1:A:359:ALA:CB	1:A:407:PHE:HE2	2.22	0.43
1:A:407:PHE:N	1:A:407:PHE:HD2	2.16	0.43
1:A:459:MET:O	1:A:462:SER:OG	2.29	0.43
1:A:531:GLY:HA2	1:A:532:PRO:HD3	1.77	0.43
1:A:564:GLN:N	1:A:564:GLN:NE2	2.61	0.43
1:A:588:GLY:HA3	1:A:589:PRO:HD2	1.78	0.43
1:A:610:PHE:HD2	1:A:610:PHE:H	1.59	0.43
1:A:712:VAL:N	1:A:713:PRO:CD	2.80	0.43
1:A:769:ASP:O	1:A:772:PRO:CD	2.66	0.43
1:A:958:GLY:O	1:A:959:GLN:C	2.60	0.43
1:A:960:PRO:HA	1:A:963:GLU:HG3	1.99	0.43
1:A:966:LEU:HD12	1:A:966:LEU:C	2.43	0.43
1:A:1118:TRP:CZ3	1:A:1121:GLU:OE1	2.72	0.43
2:B:99:PHE:CE1	2:B:343:ASP:CG	2.97	0.43
2:B:201:ASN:ND2	2:C:421:MET:HE1	2.32	0.43
2:B:382:LYS:N	2:B:412:SER:OG	2.50	0.43
1:D:97:GLU:C	1:D:101:ARG:NH1	2.77	0.43
1:D:169:TRP:CD1	1:D:390:GLN:O	2.71	0.43
1:D:370:GLU:O	1:D:371:LYS:CB	2.60	0.43
1:D:493:GLN:HG2	1:D:494:GLU:N	2.28	0.43
1:D:545:ALA:O	1:D:548:CYS:SG	2.75	0.43
1:D:576:LEU:HB3	1:D:579:ARG:HD2	2.00	0.43
1:D:604:ALA:O	1:D:782:GLY:N	2.48	0.43
1:D:779:LEU:C	1:D:779:LEU:CD2	2.79	0.43
1:D:876:ALA:O	1:D:878:VAL:N	2.51	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:878:VAL:O	1:D:879:GLN:CB	2.61	0.43
1:D:887:VAL:N	1:D:1146:ARG:HH22	2.09	0.43
1:D:944:GLU:C	1:D:946:ALA:N	2.74	0.43
1:D:1000:GLU:C	1:D:1002:GLU:N	2.75	0.43
1:D:1008:LEU:O	1:D:1012:VAL:CG2	2.63	0.43
1:D:1091:GLU:O	1:D:1092:PHE:CD2	2.71	0.43
1:D:1232:GLU:HB2	1:D:1234:ARG:N	2.33	0.43
2:E:205:PRO:CG	2:E:241:TRP:NE1	2.79	0.43
2:E:215:PHE:O	2:E:215:PHE:CD1	2.71	0.43
2:E:339:ASN:N	2:E:339:ASN:HD22	2.17	0.43
2:E:374:LEU:HB3	2:E:375:HIS:H	1.59	0.43
2:E:379:ALA:CB	2:E:438:LEU:HD21	2.49	0.43
2:E:422:GLN:O	2:E:424:SER:N	2.51	0.43
2:F:262:TRP:O	2:F:266:PHE:HD2	2.02	0.43
2:F:322:LEU:HD13	2:F:322:LEU:C	2.41	0.43
2:F:352:ASP:O	2:F:353:SER:C	2.61	0.43
2:F:403:PHE:HD2	2:F:404:ASN:N	2.15	0.43
1:A:77:GLN:HB2	1:A:1174:PRO:CG	2.48	0.43
1:A:172:ALA:O	1:A:173:GLU:CB	2.67	0.43
1:A:249:VAL:HB	1:A:250:PRO:HD3	2.00	0.43
1:A:307:PHE:CD1	1:A:307:PHE:N	2.81	0.43
1:A:350:ILE:HD12	1:A:350:ILE:HA	1.67	0.43
1:A:371:LYS:HG2	1:A:372:GLU:HG2	1.99	0.43
1:A:420:HIS:ND1	1:A:422:VAL:HG23	2.33	0.43
1:A:458:GLU:O	1:A:459:MET:C	2.59	0.43
1:A:498:LYS:HG2	1:A:518:ALA:N	2.33	0.43
1:A:543:VAL:HG13	1:A:544:MET:H	1.82	0.43
1:A:608:ASP:OD1	1:A:779:LEU:C	2.62	0.43
1:A:811:GLN:HG3	1:A:840:ILE:HD13	2.00	0.43
1:A:876:ALA:O	1:A:878:VAL:N	2.52	0.43
1:A:905:ALA:HA	1:A:910:MET:CB	2.48	0.43
1:A:968:GLN:O	1:A:970:ASN:O	2.37	0.43
2:B:87:SER:O	2:B:91:LEU:HG	2.18	0.43
2:B:101:PRO:HB2	2:B:102:LEU:HD12	2.01	0.43
2:B:133:HIS:CG	2:C:231:ILE:HG21	2.52	0.43
2:B:206:TYR:CD1	2:B:207:GLY:O	2.70	0.43
2:B:343:ASP:OD2	2:B:344:ARG:NH2	2.33	0.43
2:B:433:ASP:O	2:B:436:SER:N	2.51	0.43
2:C:136:GLY:HA2	2:C:137:PRO:HD3	1.74	0.43
2:C:204:LEU:HG	2:C:206:TYR:CD2	2.54	0.43
2:C:241:TRP:HZ3	2:C:255:TRP:CZ2	2.35	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:341:ASP:O	2:C:342:LEU:CB	2.66	0.43
2:C:344:ARG:O	2:C:347:LEU:N	2.52	0.43
2:C:456:ARG:NE	2:C:456:ARG:N	2.64	0.43
1:D:173:GLU:O	1:D:174:GLY:C	2.60	0.43
1:D:177:ARG:HE	1:D:216:SER:N	2.13	0.43
1:D:214:ALA:CB	1:D:219:ALA:HB3	2.48	0.43
1:D:281:GLN:NE2	1:D:287:SER:OG	2.51	0.43
1:D:359:VAL:CG1	1:D:406:VAL:HG21	2.48	0.43
1:D:433:SER:OG	1:D:1130:CYS:O	2.37	0.43
1:D:559:LEU:CD1	1:D:560:PRO:CD	2.96	0.43
1:D:598:VAL:HG22	1:D:601:LYS:HE2	2.00	0.43
1:D:601:LYS:HD2	1:D:616:GLU:CD	2.42	0.43
1:D:774:MET:HB3	1:D:779:LEU:HD13	2.01	0.43
1:D:921:LEU:HD12	1:D:921:LEU:H	1.84	0.43
1:D:954:ILE:HG22	1:D:955:TYR:N	2.33	0.43
1:D:954:ILE:CG2	1:D:955:TYR:N	2.82	0.43
1:D:1051:GLY:HA2	1:D:1054:GLU:CG	2.36	0.43
1:D:1056:GLU:HA	1:D:1059:ASN:ND2	2.22	0.43
1:D:1126:ASP:O	1:D:1142:ARG:HG3	2.19	0.43
2:E:401:GLY:O	2:E:405:GLU:HB2	2.18	0.43
2:E:438:LEU:C	2:E:439:PHE:CD2	2.96	0.43
2:F:203:ARG:CG	2:F:325:ARG:HD3	2.49	0.43
2:F:259:ARG:HE	2:F:339:ASN:HD21	1.66	0.43
2:F:351:TYR:O	2:F:355:GLN:CB	2.65	0.43
2:F:446:THR:CB	2:F:450:ASN:CB	2.80	0.43
2:F:463:LYS:O	2:F:465:MET:HE2	2.18	0.43
1:A:76:ILE:HD13	1:A:911:HIS:CD2	2.54	0.43
1:A:165:LYS:HG3	1:A:178:TYR:HB2	2.00	0.43
1:A:167:PRO:CB	1:A:177:ARG:NE	2.81	0.43
1:A:448:ALA:HA	1:A:1202:ASN:HD21	1.84	0.43
1:A:845:VAL:HG11	1:A:848:GLY:CA	2.48	0.43
1:A:891:VAL:HG22	1:A:894:GLN:CB	2.48	0.43
1:A:893:SER:OG	1:A:893:SER:O	2.36	0.43
1:A:897:TRP:HE1	1:A:901:VAL:HG11	1.81	0.43
1:A:1123:PHE:CD1	1:A:1123:PHE:N	2.86	0.43
1:A:1170:LEU:N	1:A:1170:LEU:CD1	2.82	0.43
1:A:1231:LEU:CD1	1:A:1235:SER:CB	2.97	0.43
2:B:100:GLY:C	2:C:128:VAL:HG11	2.44	0.43
2:B:108:LYS:HE3	2:C:115:TRP:CZ2	2.54	0.43
2:B:418:LEU:C	2:B:418:LEU:CD2	2.90	0.43
2:C:102:LEU:HG	2:C:380:PRO:HG3	1.99	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:364:LYS:HD3	2:C:364:LYS:N	2.18	0.43
2:C:475:LEU:HG	2:C:475:LEU:H	1.50	0.43
1:D:151:LEU:O	1:D:152:GLU:C	2.61	0.43
1:D:177:ARG:NH2	1:D:216:SER:HA	2.34	0.43
1:D:231:GLU:OE1	1:D:231:GLU:HA	2.19	0.43
1:D:256:PRO:HB3	1:D:281:GLN:HA	2.00	0.43
1:D:405:GLU:CA	1:D:405:GLU:OE2	2.66	0.43
1:D:457:ARG:C	1:D:460:LYS:HD2	2.43	0.43
1:D:458:GLU:N	1:D:460:LYS:CE	2.82	0.43
1:D:576:LEU:O	1:D:577:CYS:C	2.59	0.43
1:D:629:ASP:OD2	1:D:744:ILE:O	2.37	0.43
1:D:739:TYR:O	1:D:740:ASN:C	2.60	0.43
1:D:786:ALA:CB	2:F:358:GLU:OE2	2.67	0.43
1:D:897:TRP:CZ2	1:D:1177:VAL:HG11	2.50	0.43
1:D:907:PHE:CE1	1:D:1002:GLU:HB3	2.52	0.43
1:D:916:PHE:O	1:D:916:PHE:CD1	2.70	0.43
2:E:260:LEU:O	2:E:264:ARG:HG3	2.19	0.43
2:E:326:ASP:N	2:E:331:VAL:HG12	2.29	0.43
2:E:348:ALA:C	2:E:350:LEU:N	2.75	0.43
2:F:78:PHE:HD1	2:F:102:LEU:CD2	2.30	0.43
2:F:193:TYR:CB	2:F:242:PHE:CE2	2.97	0.43
2:F:278:CYS:SG	2:F:279:GLN:N	2.92	0.43
2:F:454:HIS:HD2	2:F:468:ILE:CG1	2.31	0.43
1:A:139:PHE:CE2	1:A:1111:LEU:HG	2.54	0.43
1:A:166:PRO:CG	1:A:398:GLN:NE2	2.48	0.43
1:A:197:PHE:CZ	1:A:214:ALA:HB2	2.54	0.43
1:A:461:LYS:HE2	1:A:461:LYS:HB3	1.80	0.43
1:A:513:LEU:HB2	1:A:568:GLY:HA3	1.84	0.43
1:A:601:LYS:HZ2	1:A:616:GLU:HG2	1.84	0.43
1:A:606:THR:CG2	1:A:620:TRP:CE3	2.78	0.43
1:A:739:TYR:HB3	1:A:740:ASN:H	1.51	0.43
1:A:784:GLY:HA3	2:C:363:ARG:CG	2.46	0.43
1:A:914:THR:CB	1:A:999:ASP:HB3	2.48	0.43
1:A:964:ARG:O	1:A:968:GLN:HG3	2.18	0.43
1:A:1030:ARG:NE	1:A:1040:LYS:NZ	2.66	0.43
1:A:1190:ARG:HD2	1:A:1195:MET:HG2	2.00	0.43
1:A:1208:ARG:C	1:A:1210:TYR:N	2.70	0.43
2:B:99:PHE:HE1	2:B:343:ASP:CG	2.26	0.43
2:B:257:ARG:HG2	2:B:258:HIS:N	2.34	0.43
2:C:78:PHE:HD1	2:C:102:LEU:HD22	1.79	0.43
2:C:374:LEU:HB3	2:C:378:LEU:CB	2.36	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:285:GLN:HE21	1:D:1128:ARG:HG2	1.74	0.43
1:D:420:HIS:O	1:D:424:LEU:CD1	2.66	0.43
1:D:421:PRO:HG2	1:D:422:VAL:HG23	2.00	0.43
1:D:486:TRP:CZ2	1:D:722:ARG:CA	2.81	0.43
1:D:509:THR:O	1:D:510:ALA:O	2.36	0.43
1:D:740:ASN:HB2	1:D:741:ASP:H	1.56	0.43
1:D:788:GLY:O	1:D:791:ALA:CA	2.67	0.43
1:D:922:GLN:HB2	1:D:924:ARG:HD3	2.01	0.43
1:D:955:TYR:O	1:D:956:GLY:O	2.37	0.43
1:D:993:ARG:NH2	1:D:994:TRP:CD1	2.87	0.43
1:D:994:TRP:O	1:D:994:TRP:CE3	2.71	0.43
1:D:1000:GLU:O	1:D:1001:GLY:C	2.59	0.43
1:D:1046:GLU:HG2	1:D:1049:TRP:NE1	2.34	0.43
1:D:1212:ILE:HD12	1:D:1212:ILE:HA	1.80	0.43
2:E:109:ASN:C	2:E:378:LEU:HG	2.44	0.43
2:E:184:ASN:O	2:E:185:LEU:C	2.61	0.43
2:E:205:PRO:HG2	2:E:241:TRP:NE1	2.33	0.43
2:E:447:THR:HG22	2:E:451:GLY:HA2	2.00	0.43
2:E:456:ARG:CZ	2:E:463:LYS:CE	2.83	0.43
2:E:475:LEU:O	2:E:479:ILE:HG13	2.19	0.43
2:F:134:LYS:O	2:F:135:PRO:C	2.60	0.43
2:F:326:ASP:CG	2:F:329:LYS:N	2.77	0.43
2:F:418:LEU:C	2:F:418:LEU:HD12	2.44	0.43
2:F:421:MET:HE3	2:F:421:MET:HB2	1.73	0.43
2:F:454:HIS:CD2	2:F:472:LYS:HE3	2.54	0.43
2:F:474:PHE:HA	2:F:477:LYS:CG	2.49	0.43
1:A:143:ALA:HB1	1:A:421:PRO:C	2.44	0.43
1:A:276:ALA:O	1:A:279:ARG:N	2.44	0.43
1:A:313:ILE:HA	1:A:316:LYS:CE	2.45	0.43
1:A:618:HIS:NE2	1:A:726:LYS:O	2.52	0.43
1:A:653:GLU:OE2	1:A:657:ARG:CZ	2.67	0.43
1:A:656:TYR:HB3	1:A:720:THR:HG1	1.80	0.43
1:A:737:GLY:N	1:A:750:PHE:CE1	2.86	0.43
1:A:854:ALA:C	1:A:855:VAL:CG2	2.92	0.43
1:A:1060:LYS:HE2	1:A:1065:ALA:H	1.76	0.43
1:A:1159:LEU:O	1:A:1160:THR:C	2.61	0.43
2:B:202:LYS:C	2:B:325:ARG:HD2	2.34	0.43
2:B:260:LEU:C	2:B:264:ARG:CD	2.75	0.43
2:B:280:ASP:HB3	2:B:281:GLU:CB	2.49	0.43
2:C:76:ARG:CG	2:C:76:ARG:NH1	2.81	0.43
2:C:115:TRP:CH2	2:C:210:GLN:HA	2.54	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:187:HIS:CD2	2:C:187:HIS:C	2.97	0.43
2:C:293:PHE:HB3	2:C:294:PRO:HD2	2.01	0.43
2:C:464:GLU:OE2	2:C:466:MET:CG	2.64	0.43
1:D:220:TRP:HD1	1:D:221:TYR:HD2	1.62	0.43
1:D:253:ALA:CA	1:D:280:GLU:HB2	2.49	0.43
1:D:275:ARG:O	1:D:279:ARG:HG2	2.18	0.43
1:D:401:TRP:CD1	1:D:404:HIS:CD2	2.96	0.43
1:D:477:GLU:HG2	1:D:478:ARG:N	2.34	0.43
1:D:482:ASP:OD1	1:D:484:TRP:HB3	2.19	0.43
1:D:501:LYS:HG2	1:D:502:LYS:N	2.33	0.43
1:D:549:LEU:O	1:D:552:LEU:N	2.51	0.43
1:D:559:LEU:CB	1:D:560:PRO:CD	2.97	0.43
1:D:742:VAL:C	1:D:743:ASP:CG	2.86	0.43
1:D:788:GLY:O	1:D:791:ALA:CB	2.64	0.43
1:D:851:THR:O	1:D:852:ARG:CB	2.66	0.43
1:D:891:VAL:HA	1:D:894:GLN:CG	2.41	0.43
1:D:932:HIS:HE1	1:D:943:ARG:HB3	1.83	0.43
1:D:1131:ILE:CG1	1:D:1138:ARG:HB2	2.48	0.43
1:D:1136:GLU:CG	1:D:1138:ARG:HH12	2.32	0.43
1:D:1158:LEU:O	1:D:1159:LEU:C	2.61	0.43
2:E:214:CYS:SG	2:E:236:GLU:OE1	2.77	0.43
2:E:400:GLN:O	2:E:401:GLY:C	2.61	0.43
2:E:471:LEU:O	2:E:474:PHE:HB3	2.18	0.43
2:F:248:SER:OG	2:F:249:ASN:N	2.47	0.43
2:F:302:THR:H	2:F:339:ASN:HA	1.82	0.43
2:F:338:VAL:HG12	2:F:339:ASN:N	2.34	0.43
2:F:438:LEU:N	2:F:438:LEU:CD2	2.81	0.43
2:F:449:GLU:OE1	2:F:449:GLU:C	2.61	0.43
2:F:472:LYS:O	2:F:475:LEU:CG	2.67	0.43
1:A:225:SER:HA	1:A:228:LEU:CD1	2.31	0.43
1:A:255:SER:N	1:A:256:PRO:CA	2.81	0.43
1:A:262:GLN:HB3	1:A:263:GLU:H	1.54	0.43
1:A:386:ARG:CA	1:A:389:PHE:HB3	2.46	0.43
1:A:444:TYR:CD2	1:A:874:LEU:CD2	2.85	0.43
1:A:600:PRO:CG	1:A:765:PRO:HG3	2.49	0.43
1:A:601:LYS:HZ1	1:A:721:ALA:CA	2.32	0.43
1:A:603:MET:O	1:A:604:ALA:C	2.60	0.43
1:A:616:GLU:OE2	1:A:724:GLY:N	2.48	0.43
1:A:618:HIS:N	1:A:725:PRO:CG	2.57	0.43
1:A:754:HIS:HA	1:A:770:PHE:HE2	1.83	0.43
1:A:808:ILE:O	1:A:809:SER:C	2.62	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1133:ILE:HD13	1:A:1134:HIS:N	2.34	0.43
2:B:72:ILE:HA	2:B:75:ARG:CD	2.42	0.43
2:B:76:ARG:HH21	2:B:431:LYS:HB2	1.84	0.43
2:B:204:LEU:HG	2:B:325:ARG:CZ	2.48	0.43
2:B:234:LYS:O	2:B:236:GLU:CG	2.63	0.43
2:B:311:LEU:HD13	2:B:322:LEU:HD13	2.00	0.43
2:B:375:HIS:HA	2:B:376:PRO:HD2	1.76	0.43
2:C:341:ASP:OD1	2:C:342:LEU:C	2.61	0.43
2:C:372:LEU:HD12	2:C:372:LEU:C	2.43	0.43
2:C:406:LEU:HD13	2:C:406:LEU:N	2.34	0.43
2:C:455:LEU:C	2:C:456:ARG:CD	2.92	0.43
2:C:466:MET:CE	2:C:471:LEU:HD23	2.49	0.43
1:D:162:LEU:O	1:D:162:LEU:CG	2.67	0.43
1:D:248:GLU:OE1	1:D:250:PRO:CD	2.67	0.43
1:D:368:PRO:HB3	1:D:369:LEU:HD23	2.00	0.43
1:D:433:SER:HB3	1:D:844:VAL:HG21	2.00	0.43
1:D:440:ASN:HB2	1:D:441:TRP:CE3	2.53	0.43
1:D:469:ASP:O	1:D:473:LEU:HG	2.18	0.43
1:D:485:LEU:HD12	1:D:485:LEU:C	2.44	0.43
1:D:771:LEU:CD1	1:D:771:LEU:H	2.32	0.43
1:D:844:VAL:HG13	1:D:856:GLU:HG3	2.00	0.43
1:D:865:ALA:HB1	1:D:872:SER:HG	1.82	0.43
1:D:909:GLY:O	1:D:912:GLY:CA	2.66	0.43
1:D:961:PHE:CD1	1:D:961:PHE:N	2.83	0.43
1:D:1119:LEU:N	1:D:1119:LEU:HD23	2.34	0.43
2:F:144:ALA:C	2:F:145:PHE:CD1	2.96	0.43
2:F:197:LEU:C	2:F:199:LEU:N	2.74	0.43
1:A:293:ASP:CB	1:A:296:SER:CB	2.97	0.43
1:A:348:LEU:CD1	1:A:350:ILE:HD13	2.45	0.43
1:A:444:TYR:CB	1:A:877:MET:HG3	2.49	0.43
1:A:599:THR:O	1:A:603:MET:HB2	2.19	0.43
1:A:601:LYS:CA	1:A:717:LEU:HB3	2.41	0.43
1:A:624:VAL:CG2	1:A:747:CYS:SG	3.06	0.43
1:A:817:PRO:CG	1:A:818:ARG:H	2.32	0.43
1:A:890:ASP:CG	1:A:1191:LYS:CE	2.92	0.43
1:A:986:TYR:O	1:A:990:LYS:HG3	2.18	0.43
1:A:1036:SER:O	1:A:1039:LYS:HA	2.19	0.43
1:A:1065:ALA:C	1:A:1066:THR:OG1	2.62	0.43
2:B:180:LYS:HG3	2:B:181:LEU:N	2.34	0.43
2:B:235:THR:OG1	2:B:343:ASP:CA	2.66	0.43
2:B:373:LYS:HE2	2:B:459:ASP:O	2.18	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:128:VAL:HG12	2:C:192:HIS:NE2	2.34	0.43
1:D:80:SER:CB	1:D:125:LEU:HG	2.43	0.43
1:D:441:TRP:HZ3	1:D:1210:TYR:CE1	2.36	0.43
1:D:652:ILE:C	1:D:655:LEU:H	2.27	0.43
1:D:666:GLN:HA	1:D:669:MET:CG	2.48	0.43
1:D:955:TYR:HB2	1:D:956:GLY:H	1.43	0.43
1:D:1157:ASN:HB3	1:D:1161:ARG:CZ	2.48	0.43
2:E:74:GLN:O	2:E:75:ARG:C	2.61	0.43
2:E:78:PHE:HD2	2:E:102:LEU:CD1	2.29	0.43
2:E:113:GLU:HG3	2:E:377:CYS:SG	2.59	0.43
2:E:212:GLY:O	2:E:236:GLU:N	2.52	0.43
2:E:398:VAL:O	2:E:402:LEU:N	2.49	0.43
2:F:300:ILE:CG2	2:F:301:GLU:N	2.63	0.43
2:F:342:LEU:HD21	2:F:345:GLY:H	1.70	0.43
2:F:372:LEU:CD2	2:F:436:SER:HB2	2.48	0.43
2:F:419:GLU:CD	2:F:419:GLU:C	2.87	0.43
2:F:446:THR:O	2:F:449:GLU:N	2.47	0.43
1:A:386:ARG:O	1:A:387:GLU:C	2.61	0.42
1:A:468:ASN:HB3	2:C:460:THR:HG22	2.01	0.42
1:A:497:GLN:OE1	1:A:516:GLU:HB3	2.19	0.42
1:A:659:HIS:O	1:A:662:GLU:HG2	2.18	0.42
1:A:772:PRO:HG2	1:A:773:LYS:N	2.33	0.42
1:A:788:GLY:N	1:A:789:PRO:CD	2.82	0.42
1:A:824:ALA:O	1:A:827:ARG:N	2.51	0.42
1:A:996:ARG:NH2	1:A:1000:GLU:OE2	2.52	0.42
2:B:116:THR:HG23	2:B:120:VAL:HB	2.00	0.42
2:B:187:HIS:O	2:B:188:GLY:C	2.60	0.42
2:B:386:ASP:OD1	2:B:387:VAL:N	2.42	0.42
2:C:100:GLY:O	2:C:103:GLY:N	2.52	0.42
2:C:267:ALA:CB	2:C:270:PRO:HB3	2.47	0.42
1:D:85:GLU:OE1	1:D:130:LEU:CD2	2.63	0.42
1:D:204:ALA:O	1:D:205:GLU:CB	2.66	0.42
1:D:457:ARG:N	1:D:460:LYS:NZ	2.46	0.42
1:D:576:LEU:HG	1:D:579:ARG:NE	2.32	0.42
1:D:613:HIS:CE1	1:D:717:LEU:HD22	2.53	0.42
1:D:648:PRO:HG2	1:D:649:TYR:N	2.34	0.42
1:D:799:SER:O	1:D:800:PHE:C	2.62	0.42
1:D:836:LEU:C	1:D:837:TYR:CD2	2.97	0.42
1:D:865:ALA:CB	1:D:872:SER:C	2.91	0.42
1:D:959:GLN:O	1:D:962:ALA:HB3	2.19	0.42
1:D:1027:LYS:N	1:D:1027:LYS:CD	2.78	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1065:ALA:HA	1:D:1073:PRO:HG3	2.00	0.42
2:E:86:LEU:HB3	2:E:97:PRO:HD2	2.01	0.42
2:E:128:VAL:CG1	2:E:208:LEU:O	2.66	0.42
2:E:315:TYR:CD1	2:E:316:PRO:HD2	2.51	0.42
2:E:372:LEU:O	2:E:458:ARG:CG	2.67	0.42
2:E:385:LEU:O	2:E:386:ASP:HB3	2.17	0.42
2:E:456:ARG:HG3	2:E:462:MET:O	2.18	0.42
2:F:82:SER:C	2:F:86:LEU:HD21	2.44	0.42
2:F:136:GLY:HA2	2:F:137:PRO:HD3	1.71	0.42
2:F:389:ARG:CZ	2:F:390:GLY:N	2.82	0.42
2:F:417:TYR:O	2:F:418:LEU:C	2.61	0.42
1:A:120:LEU:N	1:A:120:LEU:HD13	2.34	0.42
1:A:304:LEU:O	1:A:850:ILE:CG2	2.67	0.42
1:A:369:PRO:O	1:A:369:PRO:HG2	2.20	0.42
1:A:499:LYS:HE3	1:A:499:LYS:HB2	1.85	0.42
1:A:597:ARG:C	1:A:616:GLU:OE1	2.63	0.42
1:A:612:LEU:HB2	1:A:621:GLY:N	2.34	0.42
1:A:656:TYR:CA	1:A:720:THR:HB	2.49	0.42
1:A:1157:ASN:HD22	1:A:1157:ASN:N	2.17	0.42
2:B:241:TRP:CD2	2:B:255:TRP:HH2	2.36	0.42
2:B:301:GLU:HG2	2:B:303:LEU:HD11	2.01	0.42
2:B:303:LEU:N	2:B:303:LEU:CD1	2.79	0.42
2:B:306:LEU:O	2:B:308:ASP:O	2.37	0.42
2:B:313:HIS:O	2:B:314:MET:C	2.62	0.42
2:C:184:ASN:O	2:C:185:LEU:C	2.61	0.42
2:C:396:ARG:C	2:C:396:ARG:CD	2.81	0.42
2:C:404:ASN:O	2:C:408:GLU:CD	2.62	0.42
2:C:443:VAL:HG13	2:C:447:THR:HG21	2.00	0.42
2:C:451:GLY:O	2:C:452:LEU:CG	2.67	0.42
1:D:249:VAL:HG22	1:D:250:PRO:HD2	1.78	0.42
1:D:267:VAL:CB	1:D:269:HIS:NE2	2.81	0.42
1:D:304:LEU:H	1:D:309:ARG:HH21	1.59	0.42
1:D:458:GLU:OE2	2:F:270:PRO:HG3	2.18	0.42
1:D:547:ALA:HA	1:D:551:LYS:CE	2.39	0.42
1:D:577:CYS:HB3	1:D:578:PRO:CD	2.46	0.42
1:D:614:TYR:HE2	1:D:620:TRP:CD2	2.35	0.42
1:D:618:HIS:CA	1:D:762:VAL:HG21	2.46	0.42
1:D:718:ALA:O	1:D:722:ARG:NE	2.52	0.42
1:D:916:PHE:CD2	1:D:1174:PRO:HG2	2.53	0.42
1:D:949:PHE:C	1:D:949:PHE:HD1	2.27	0.42
1:D:996:ARG:NE	1:D:996:ARG:CA	2.82	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1108:TYR:CE1	1:D:1160:THR:CG2	3.02	0.42
1:D:1148:ARG:CZ	1:D:1231:LEU:CD2	2.97	0.42
1:D:1208:ARG:NH1	2:F:285:LYS:CE	2.81	0.42
2:E:120:VAL:HG12	2:E:121:PHE:CD1	2.53	0.42
2:E:130:ALA:CB	2:E:210:GLN:NE2	2.82	0.42
2:E:264:ARG:NH2	2:E:273:PHE:O	2.52	0.42
2:F:145:PHE:CD1	2:F:145:PHE:N	2.87	0.42
2:F:197:LEU:CD1	2:F:322:LEU:HD11	2.50	0.42
2:F:221:THR:CG2	2:F:222:LYS:H	2.32	0.42
2:F:262:TRP:O	2:F:265:LYS:HB3	2.19	0.42
2:F:435:MET:CE	2:F:435:MET:CA	2.90	0.42
1:A:304:LEU:CB	1:A:309:ARG:HB3	2.50	0.42
1:A:564:GLN:CA	1:A:564:GLN:NE2	2.75	0.42
1:A:627:ARG:O	1:A:627:ARG:CG	2.67	0.42
1:A:829:PRO:HG3	1:A:883:GLY:CA	2.49	0.42
1:A:905:ALA:CA	1:A:910:MET:HA	2.49	0.42
1:A:1129:PHE:CG	1:A:1130:CYS:N	2.87	0.42
2:B:262:TRP:O	2:B:265:LYS:CA	2.66	0.42
2:C:80:SER:H	2:C:99:PHE:HA	1.82	0.42
2:C:355:GLN:OE1	2:C:356:LEU:HD23	2.19	0.42
2:C:358:GLU:CA	2:C:361:PHE:HB2	2.47	0.42
2:C:372:LEU:HD21	2:C:436:SER:N	2.32	0.42
2:C:419:GLU:OE2	2:C:428:LEU:CD1	2.50	0.42
1:D:274:ASP:HA	1:D:277:HIS:CD2	2.54	0.42
1:D:395:TYR:CD1	1:D:395:TYR:N	2.87	0.42
1:D:421:PRO:CG	1:D:422:VAL:N	2.81	0.42
1:D:581:ASP:OD2	1:D:593:SER:HB2	2.18	0.42
1:D:586:THR:N	1:D:587:PRO:HD2	2.29	0.42
1:D:668:LEU:O	1:D:670:PRO:C	2.63	0.42
1:D:1020:ILE:O	1:D:1021:SER:HB2	2.20	0.42
1:D:1150:ALA:O	1:D:1153:LEU:HB2	2.19	0.42
2:E:254:PHE:HA	2:E:257:ARG:CB	2.27	0.42
2:E:382:LYS:O	2:E:383:VAL:CG2	2.67	0.42
2:E:404:ASN:O	2:E:407:LEU:N	2.53	0.42
2:E:419:GLU:HA	2:F:203:ARG:HH21	1.75	0.42
2:E:474:PHE:CG	2:E:475:LEU:N	2.88	0.42
2:F:118:VAL:HG12	2:F:119:VAL:HG23	2.01	0.42
2:F:251:TRP:HE3	2:F:254:PHE:HB3	1.85	0.42
1:A:275:ARG:NE	1:A:843:GLN:HB2	2.34	0.42
1:A:377:PHE:HD2	1:A:377:PHE:HA	1.41	0.42
1:A:392:LEU:O	1:A:393:MET:C	2.62	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:587:PRO:O	1:A:588:GLY:C	2.62	0.42
1:A:601:LYS:CE	1:A:721:ALA:HB1	2.50	0.42
1:A:607:TRP:H	1:A:620:TRP:HZ3	1.67	0.42
1:A:613:HIS:O	1:A:614:TYR:CG	2.72	0.42
1:A:614:TYR:HD2	1:A:620:TRP:HB3	1.85	0.42
1:A:765:PRO:HG2	1:A:766:PHE:H	1.84	0.42
1:A:783:PRO:HG2	2:C:363:ARG:CD	2.49	0.42
1:A:842:PRO:CB	1:A:856:GLU:OE1	2.57	0.42
1:A:868:ASP:HB3	1:A:1199:THR:CB	2.45	0.42
1:A:1026:ARG:CG	1:A:1029:GLN:NE2	2.82	0.42
1:A:1134:HIS:HB2	1:A:1136:GLU:OE2	2.18	0.42
1:A:1175:GLN:O	1:A:1176:SER:C	2.61	0.42
1:A:1180:PHE:HB3	1:A:1181:SER:H	1.26	0.42
2:B:87:SER:C	2:B:89:ASP:N	2.73	0.42
2:B:187:HIS:HA	2:B:190:LEU:HD23	2.02	0.42
2:B:267:ALA:HB1	2:B:270:PRO:CD	2.49	0.42
2:B:344:ARG:NE	2:B:344:ARG:N	2.67	0.42
2:B:376:PRO:C	2:B:378:LEU:N	2.77	0.42
2:C:197:LEU:CD1	2:C:322:LEU:HD11	2.49	0.42
2:C:197:LEU:C	2:C:199:LEU:N	2.72	0.42
2:C:213:VAL:HG23	2:C:235:THR:OG1	2.19	0.42
2:C:385:LEU:HD23	2:C:385:LEU:HA	1.74	0.42
1:D:658:LYS:CE	1:D:713:PRO:CB	2.85	0.42
1:D:860:LEU:HD23	1:D:860:LEU:HA	1.74	0.42
1:D:954:ILE:O	1:D:955:TYR:CD1	2.73	0.42
1:D:1002:GLU:O	1:D:1003:TRP:C	2.62	0.42
1:D:1090:GLU:HB3	1:D:1092:PHE:CE1	2.54	0.42
1:D:1173:LEU:HA	1:D:1174:PRO:HD3	1.75	0.42
2:E:379:ALA:N	2:E:380:PRO:HD3	2.35	0.42
2:E:442:LEU:C	2:E:442:LEU:CD1	2.92	0.42
2:F:113:GLU:HG2	2:F:266:PHE:CE1	2.54	0.42
2:F:293:PHE:CE2	2:F:298:GLU:HB2	2.55	0.42
2:F:305:ASN:HA	2:F:335:VAL:HG13	2.00	0.42
2:F:311:LEU:C	2:F:314:MET:HB2	2.44	0.42
2:F:389:ARG:HA	2:F:389:ARG:HD2	1.74	0.42
1:A:849:THR:HB	1:A:852:ARG:N	2.34	0.42
1:A:895:GLU:O	1:A:898:ILE:HG12	2.20	0.42
1:A:900:ALA:CB	1:A:915:ALA:HB1	2.49	0.42
1:A:967:MET:CG	1:A:978:ALA:CB	2.98	0.42
1:A:1030:ARG:HD2	1:A:1040:LYS:NZ	2.31	0.42
1:A:1205:GLY:O	1:A:1208:ARG:CB	2.62	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:241:TRP:CE3	2:B:255:TRP:HH2	2.38	0.42
2:C:69:LEU:HD13	2:C:354:PHE:CD2	2.53	0.42
2:C:78:PHE:CD1	2:C:102:LEU:CD2	2.99	0.42
2:C:190:LEU:O	2:C:193:TYR:N	2.47	0.42
2:C:243:THR:O	2:C:334:CYS:HB2	2.20	0.42
2:C:306:LEU:H	2:C:335:VAL:CB	2.33	0.42
2:C:344:ARG:O	2:C:348:ALA:N	2.53	0.42
2:C:389:ARG:HD2	2:C:389:ARG:HA	1.60	0.42
2:C:465:MET:HE2	2:C:465:MET:N	2.33	0.42
1:D:121:PRO:HB3	1:D:1175:GLN:NE2	2.35	0.42
1:D:258:GLN:O	1:D:259:ARG:CB	2.67	0.42
1:D:278:ILE:N	1:D:291:PHE:CD1	2.88	0.42
1:D:349:ASP:O	1:D:361:ARG:CD	2.56	0.42
1:D:410:GLN:C	1:D:412:PRO:CD	2.92	0.42
1:D:434:TYR:OH	1:D:436:PRO:HB3	2.20	0.42
1:D:481:GLU:O	1:D:482:ASP:CB	2.68	0.42
1:D:487:ASP:O	1:D:491:ASP:OD1	2.36	0.42
1:D:612:LEU:HD11	1:D:622:TYR:HA	2.00	0.42
1:D:620:TRP:H	1:D:620:TRP:HD1	1.64	0.42
1:D:649:TYR:CD2	1:D:652:ILE:HD13	2.54	0.42
1:D:801:TRP:CD2	1:D:801:TRP:C	2.98	0.42
1:D:873:GLU:HB3	1:D:1200:PRO:CG	2.47	0.42
1:D:933:SER:O	1:D:934:LYS:C	2.62	0.42
1:D:1212:ILE:HA	1:D:1213:PRO:HD3	1.29	0.42
2:E:461:THR:O	2:E:461:THR:HG23	2.19	0.42
2:E:481:SER:C	2:E:483:LYS:H	2.28	0.42
2:F:102:LEU:HG	2:F:380:PRO:HG3	2.02	0.42
2:F:145:PHE:N	2:F:145:PHE:HD1	2.17	0.42
2:F:216:HIS:O	2:F:232:GLY:N	2.31	0.42
2:F:234:LYS:NZ	2:F:344:ARG:CD	2.63	0.42
2:F:245:PRO:CD	2:F:246:ARG:H	2.32	0.42
2:F:341:ASP:C	2:F:342:LEU:CD1	2.82	0.42
2:F:389:ARG:CZ	2:F:390:GLY:CA	2.96	0.42
1:A:188:ALA:C	1:A:189:ILE:CG1	2.93	0.42
1:A:452:TYR:CD2	1:A:453:GLU:N	2.87	0.42
1:A:782:GLY:HA3	1:A:789:PRO:HD3	2.02	0.42
1:A:792:LEU:C	1:A:796:LYS:CD	2.93	0.42
1:A:827:ARG:O	1:A:831:TYR:HE1	2.02	0.42
1:A:904:ASP:HB3	1:A:912:GLY:CA	2.49	0.42
1:A:955:TYR:HE2	1:A:1102:GLN:NE2	2.13	0.42
1:A:1102:GLN:O	1:A:1106:VAL:HG23	2.18	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:122:ARG:CD	2:B:124:GLN:NE2	2.81	0.42
2:B:185:LEU:HD11	2:B:238:SER:HB2	2.02	0.42
2:B:197:LEU:HD11	2:B:325:ARG:HH12	1.84	0.42
2:B:204:LEU:HG	2:B:325:ARG:HE	1.82	0.42
2:C:80:SER:OG	2:C:99:PHE:C	2.62	0.42
2:C:110:LEU:O	2:C:113:GLU:N	2.53	0.42
2:C:181:LEU:O	2:C:182:ARG:C	2.62	0.42
2:C:225:ARG:HB3	2:C:226:ASN:H	1.57	0.42
2:C:247:THR:OG1	2:C:251:TRP:HB2	2.20	0.42
2:C:308:ASP:O	2:C:312:LEU:HD11	2.19	0.42
1:D:275:ARG:NH2	1:D:842:PRO:CA	2.79	0.42
1:D:278:ILE:HG12	1:D:291:PHE:CD1	2.54	0.42
1:D:623:LEU:O	1:D:623:LEU:CG	2.55	0.42
1:D:626:GLY:C	1:D:628:ARG:HG2	2.45	0.42
1:D:716:PRO:HB2	1:D:717:LEU:HD23	2.02	0.42
1:D:762:VAL:HG23	1:D:763:GLY:N	2.33	0.42
1:D:898:ILE:HG12	1:D:899:ALA:H	1.85	0.42
1:D:943:ARG:O	1:D:946:ALA:CB	2.64	0.42
1:D:1058:PHE:C	1:D:1058:PHE:CD1	2.91	0.42
1:D:1137:VAL:CG1	1:D:1139:TYR:CE1	2.96	0.42
2:E:293:PHE:CE1	2:E:351:TYR:CE2	3.08	0.42
2:E:389:ARG:CZ	2:E:390:GLY:O	2.68	0.42
2:F:88:ARG:HD3	2:F:295:TRP:CE2	2.54	0.42
2:F:184:ASN:C	2:F:186:LEU:N	2.74	0.42
2:F:190:LEU:O	2:F:193:TYR:N	2.51	0.42
2:F:236:GLU:CA	2:F:341:ASP:CB	2.73	0.42
2:F:469:SER:O	2:F:472:LYS:N	2.52	0.42
1:A:78:MET:C	1:A:79:LEU:HG	2.45	0.42
1:A:107:LEU:O	1:A:111:GLY:CA	2.67	0.42
1:A:272:SER:C	1:A:274:ASP:N	2.77	0.42
1:A:554:GLY:O	1:A:557:GLU:CG	2.68	0.42
1:A:581:ASP:CA	1:A:583:PRO:HD2	2.49	0.42
1:A:604:ALA:CB	1:A:717:LEU:HD13	2.49	0.42
1:A:608:ASP:HA	1:A:779:LEU:HD22	1.99	0.42
1:A:823:ARG:O	1:A:824:ALA:CB	2.68	0.42
1:A:864:ASN:HB2	1:A:865:ALA:H	1.58	0.42
1:A:884:TYR:O	1:A:885:THR:HG23	2.19	0.42
1:A:892:ASP:OD1	1:A:892:ASP:N	2.42	0.42
1:A:1090:GLU:O	1:A:1091:GLU:CB	2.68	0.42
1:A:1113:LEU:CB	1:A:1117:LYS:HZ2	2.28	0.42
1:A:1118:TRP:C	1:A:1122:GLU:HG2	2.45	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1224:ILE:C	1:A:1224:ILE:CD1	2.93	0.42
2:B:201:ASN:HD22	2:C:421:MET:CE	2.33	0.42
2:B:238:SER:CA	2:B:339:ASN:ND2	2.83	0.42
2:B:392:THR:HG22	2:B:393:LEU:N	2.35	0.42
2:B:396:ARG:CD	2:B:418:LEU:H	2.25	0.42
2:B:471:LEU:CD1	2:B:474:PHE:HD2	2.32	0.42
2:C:127:PRO:HD2	2:C:128:VAL:H	1.81	0.42
2:C:322:LEU:HD22	2:C:324:GLY:N	2.34	0.42
2:C:347:LEU:HD12	2:C:347:LEU:N	2.35	0.42
2:C:419:GLU:HG3	2:C:432:TYR:OH	2.19	0.42
1:D:242:ALA:CA	1:D:245:ILE:HG23	2.42	0.42
1:D:283:LEU:O	1:D:284:ILE:C	2.61	0.42
1:D:309:ARG:CA	1:D:312:TRP:HB2	2.39	0.42
1:D:348:LEU:CD1	1:D:350:ILE:CD1	2.94	0.42
1:D:596:MET:O	1:D:597:ARG:C	2.61	0.42
1:D:617:ARG:HB3	1:D:763:GLY:C	2.45	0.42
1:D:618:HIS:N	1:D:725:PRO:HG2	2.35	0.42
1:D:818:ARG:HE	1:D:818:ARG:HB2	1.62	0.42
1:D:829:PRO:CG	1:D:831:TYR:CE1	3.02	0.42
1:D:919:MET:O	1:D:920:THR:O	2.36	0.42
1:D:967:MET:HE3	1:D:967:MET:CA	2.39	0.42
1:D:1016:GLU:C	1:D:1018:GLY:N	2.76	0.42
1:D:1020:ILE:CD1	1:D:1020:ILE:C	2.88	0.42
1:D:1024:ASP:CG	1:D:1025:LEU:N	2.78	0.42
1:D:1220:ILE:O	1:D:1223:ILE:N	2.52	0.42
2:E:67:GLU:HG2	2:E:70:LEU:HD12	1.97	0.42
2:E:203:ARG:NH1	2:F:418:LEU:HD13	2.34	0.42
2:E:395:LEU:O	2:E:395:LEU:HD13	2.20	0.42
2:E:403:PHE:HA	2:E:413:VAL:HG21	2.01	0.42
2:E:425:LEU:HB3	2:E:426:GLU:CD	2.39	0.42
2:E:456:ARG:HG3	2:E:457:SER:H	1.85	0.42
2:F:183:GLU:O	2:F:184:ASN:OD1	2.38	0.42
2:F:185:LEU:CD1	2:F:236:GLU:HB2	2.46	0.42
2:F:272:ASN:CA	2:F:292:ASN:ND2	2.83	0.42
2:F:357:THR:O	2:F:358:GLU:CB	2.66	0.42
2:F:430:SER:C	2:F:434:GLU:HG3	2.44	0.42
2:F:458:ARG:C	2:F:458:ARG:HD3	2.44	0.42
1:A:267:VAL:HB	1:A:269:HIS:CE1	2.55	0.42
1:A:269:HIS:O	1:A:293:ASP:HA	2.19	0.42
1:A:275:ARG:HH22	1:A:845:VAL:CA	2.23	0.42
1:A:284:ILE:O	1:A:284:ILE:HG22	2.19	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:451:THR:O	1:A:452:TYR:C	2.62	0.42
1:A:474:LEU:HB3	1:A:712:VAL:H	1.85	0.42
1:A:805:HIS:CG	1:A:806:LYS:N	2.88	0.42
1:A:962:ALA:CB	1:A:986:TYR:CZ	2.98	0.42
1:A:996:ARG:HH11	1:A:1000:GLU:C	2.17	0.42
1:A:1022:LEU:HB3	1:A:1026:ARG:HH22	1.85	0.42
1:A:1108:TYR:O	1:A:1109:LEU:C	2.62	0.42
2:B:289:LEU:CB	2:B:300:ILE:HG13	2.50	0.42
2:B:374:LEU:H	2:B:458:ARG:CZ	2.20	0.42
2:B:375:HIS:O	2:B:376:PRO:C	2.62	0.42
2:B:424:SER:OG	2:B:425:LEU:N	2.52	0.42
2:B:435:MET:O	2:B:437:ILE:N	2.53	0.42
2:B:461:THR:OG1	2:B:463:LYS:HE3	2.20	0.42
2:B:466:MET:CG	2:B:467:HIS:N	2.80	0.42
2:C:59:ALA:N	2:C:60:PRO:HD2	2.35	0.42
2:C:241:TRP:CD1	2:C:243:THR:CG2	3.00	0.42
1:D:239:LEU:O	1:D:242:ALA:N	2.47	0.42
1:D:285:GLN:NE2	1:D:1128:ARG:CB	2.83	0.42
1:D:285:GLN:HE22	1:D:1128:ARG:CB	2.32	0.42
1:D:289:MET:CE	1:D:290:ARG:N	2.83	0.42
1:D:348:LEU:HD13	1:D:350:ILE:CD1	2.48	0.42
1:D:387:GLU:O	1:D:390:GLN:CG	2.67	0.42
1:D:401:TRP:O	1:D:402:ALA:C	2.63	0.42
1:D:462:SER:O	1:D:466:LEU:HD13	2.20	0.42
1:D:576:LEU:HD22	2:F:481:SER:CB	2.49	0.42
1:D:666:GLN:HA	1:D:669:MET:HG3	2.00	0.42
1:D:801:TRP:O	1:D:802:ARG:C	2.63	0.42
1:D:801:TRP:HE3	1:D:804:ALA:HB3	1.85	0.42
1:D:955:TYR:HB3	1:D:1098:ASN:OD1	2.19	0.42
1:D:1015:THR:O	1:D:1016:GLU:HB2	2.19	0.42
1:D:1057:MET:HE3	1:D:1057:MET:N	2.35	0.42
1:D:1068:ASP:O	1:D:1069:ILE:C	2.60	0.42
1:D:1124:ALA:HB2	1:D:1231:LEU:HB3	2.02	0.42
1:D:1196:ASP:CG	1:D:1204:THR:HG21	2.43	0.42
2:E:109:ASN:HB2	2:E:378:LEU:O	2.20	0.42
2:E:398:VAL:HG22	2:E:402:LEU:HG	2.02	0.42
2:E:406:LEU:HG	2:E:413:VAL:HG21	2.01	0.42
2:F:442:LEU:CB	2:F:455:LEU:HD22	2.49	0.42
1:A:235:TRP:HD1	1:A:235:TRP:C	2.26	0.42
1:A:290:ARG:O	1:A:291:PHE:CD2	2.73	0.42
1:A:316:LYS:HB2	1:A:348:LEU:HD11	2.02	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:357:SER:O	1:A:361:VAL:HG12	2.20	0.42
1:A:500:ALA:HB1	1:A:520:ALA:HB2	2.02	0.42
1:A:596:MET:C	1:A:597:ARG:O	2.62	0.42
1:A:869:ARG:NE	1:A:870:VAL:HG23	2.35	0.42
1:A:941:ILE:HG22	1:A:942:SER:O	2.20	0.42
1:A:996:ARG:HD2	1:A:1004:LEU:HD13	2.01	0.42
1:A:1095:SER:O	1:A:1096:ARG:C	2.62	0.42
1:A:1133:ILE:C	1:A:1133:ILE:CD1	2.91	0.42
1:A:1219:ASP:O	1:A:1223:ILE:CG2	2.65	0.42
2:B:107:ARG:HB2	2:B:346:MET:SD	2.60	0.42
2:B:118:VAL:HG21	2:B:239:LEU:HD22	2.02	0.42
2:B:261:GLN:OE1	2:B:266:PHE:CE1	2.73	0.42
2:C:72:ILE:HG23	2:C:76:ARG:HE	1.84	0.42
2:C:300:ILE:CG2	2:C:342:LEU:CD1	2.83	0.42
2:C:322:LEU:HD22	2:C:323:HIS:N	2.35	0.42
2:C:325:ARG:NH2	2:C:327:GLY:HA2	2.35	0.42
2:C:459:ASP:C	2:C:460:THR:HG23	2.45	0.42
1:D:175:TRP:HZ2	1:D:183:GLU:HG3	1.79	0.42
1:D:278:ILE:CA	1:D:291:PHE:CD1	3.03	0.42
1:D:380:GLY:O	1:D:381:THR:CG2	2.58	0.42
1:D:472:GLN:O	2:F:461:THR:CG2	2.68	0.42
1:D:544:MET:O	1:D:548:CYS:N	2.52	0.42
1:D:631:LEU:O	1:D:633:LYS:N	2.53	0.42
1:D:634:LEU:HA	1:D:635:PRO:HD3	1.78	0.42
1:D:1056:GLU:CA	1:D:1059:ASN:HD21	2.24	0.42
1:D:1151:LEU:HD21	1:D:1224:ILE:HB	2.02	0.42
2:E:78:PHE:CE1	2:E:346:MET:CE	3.02	0.42
2:E:308:ASP:O	2:E:309:HIS:O	2.38	0.42
2:F:144:ALA:C	2:F:145:PHE:HD1	2.28	0.42
2:F:203:ARG:HA	2:F:325:ARG:CG	2.47	0.42
2:F:300:ILE:N	2:F:344:ARG:HH12	2.18	0.42
2:F:374:LEU:HB2	2:F:379:ALA:HB2	2.02	0.42
2:F:473:ASP:O	2:F:476:ILE:HD12	2.20	0.42
1:A:199:VAL:HG21	1:A:277:HIS:CB	2.50	0.42
1:A:213:VAL:HG13	1:A:397:ALA:CB	2.44	0.42
1:A:354:ASN:OD1	1:A:354:ASN:C	2.63	0.42
1:A:394:GLN:OE1	1:A:395:TYR:HA	2.20	0.42
1:A:396:CYS:O	1:A:397:ALA:C	2.61	0.42
1:A:503:VAL:HG21	1:A:520:ALA:C	2.44	0.42
1:A:545:ALA:O	1:A:546:ARG:C	2.63	0.42
1:A:607:TRP:HZ2	1:A:671:GLN:N	2.18	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:608:ASP:OD2	1:A:614:TYR:OH	2.29	0.42
1:A:955:TYR:CB	1:A:1098:ASN:OD1	2.65	0.42
1:A:1025:LEU:O	1:A:1026:ARG:CG	2.63	0.42
1:A:1135:ASP:N	1:A:1136:GLU:OE2	2.45	0.42
1:A:1207:GLU:H	1:A:1210:TYR:H	1.66	0.42
2:B:128:VAL:HG12	2:B:209:ALA:O	2.20	0.42
2:B:182:ARG:HD3	2:B:214:CYS:HA	2.02	0.42
2:B:412:SER:C	2:B:413:VAL:HG23	2.43	0.42
2:C:198:ASP:OD1	2:C:198:ASP:O	2.38	0.42
2:C:219:PHE:O	2:C:220:ASP:C	2.61	0.42
2:C:258:HIS:O	2:C:259:ARG:C	2.63	0.42
2:C:308:ASP:CG	2:C:333:PRO:O	2.63	0.42
2:C:456:ARG:CG	2:C:457:SER:N	2.79	0.42
1:D:73:PRO:O	1:D:74:LEU:HD22	2.15	0.42
1:D:533:CYS:O	1:D:534:SER:C	2.63	0.42
1:D:546:ARG:NH2	2:F:408:GLU:OE1	2.53	0.42
1:D:770:PHE:CE1	1:D:968:GLN:CA	3.03	0.42
1:D:797:MET:HG3	1:D:797:MET:H	1.49	0.42
1:D:813:VAL:HG21	1:D:815:TRP:CZ2	2.55	0.42
1:D:841:LEU:HA	1:D:842:PRO:HD3	1.72	0.42
1:D:879:GLN:O	1:D:880:ALA:HB2	2.20	0.42
1:D:885:THR:C	1:D:1146:ARG:CZ	2.92	0.42
1:D:967:MET:SD	1:D:978:ALA:CB	3.07	0.42
1:D:1037:GLN:H	1:D:1037:GLN:HG2	1.38	0.42
1:D:1057:MET:CB	1:D:1064:ILE:HD11	2.29	0.42
1:D:1115:ALA:O	1:D:1116:MET:C	2.63	0.42
2:E:80:SER:O	2:E:86:LEU:HD21	2.20	0.42
2:E:121:PHE:HA	2:F:407:LEU:CD1	2.49	0.42
2:E:471:LEU:O	2:E:471:LEU:HD12	2.20	0.42
2:F:275:SER:HA	2:F:288:LYS:O	2.20	0.42
1:A:71:HIS:O	1:A:72:ASN:CG	2.63	0.41
1:A:113:TRP:CD1	1:A:113:TRP:H	2.38	0.41
1:A:293:ASP:HB2	1:A:296:SER:OG	2.20	0.41
1:A:373:PRO:CD	1:A:374:ARG:H	2.32	0.41
1:A:612:LEU:CD2	1:A:614:TYR:CA	2.98	0.41
1:A:730:PRO:HG2	1:A:731:SER:H	1.85	0.41
1:A:854:ALA:C	1:A:855:VAL:HG23	2.44	0.41
1:A:886:LEU:CD1	1:A:1189:LEU:HD21	2.50	0.41
1:A:1193:VAL:HG22	1:A:1194:THR:H	1.85	0.41
2:B:196:CYS:O	2:B:199:LEU:HB3	2.20	0.41
2:B:299:LEU:C	2:B:299:LEU:HD23	2.45	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:446:THR:HA	2:C:450:ASN:CG	2.42	0.41
1:D:172:ALA:HB1	1:D:221:TYR:HB2	2.02	0.41
1:D:236:THR:O	1:D:237:SER:HB3	2.20	0.41
1:D:245:ILE:HG13	1:D:246:PRO:CG	2.47	0.41
1:D:288:ARG:NH1	1:D:290:ARG:HH22	2.18	0.41
1:D:420:HIS:CD2	1:D:1020:ILE:CG2	3.02	0.41
1:D:434:TYR:CD1	1:D:841:LEU:HD21	2.55	0.41
1:D:461:LYS:HE3	1:D:461:LYS:HB3	1.84	0.41
1:D:488:LEU:N	1:D:488:LEU:HD23	2.34	0.41
1:D:669:MET:HA	1:D:670:PRO:HA	1.58	0.41
1:D:808:ILE:HD13	1:D:874:LEU:CD2	2.50	0.41
1:D:873:GLU:N	1:D:1200:PRO:HD3	2.35	0.41
1:D:960:PRO:O	1:D:961:PHE:C	2.62	0.41
1:D:967:MET:O	1:D:968:GLN:C	2.63	0.41
2:E:203:ARG:NH2	2:F:418:LEU:CD1	2.83	0.41
2:E:344:ARG:C	2:E:346:MET:H	2.26	0.41
2:E:379:ALA:HB3	2:E:438:LEU:HD11	2.02	0.41
2:E:456:ARG:NH1	2:E:463:LYS:HE3	2.32	0.41
2:E:476:ILE:O	2:E:480:SER:N	2.43	0.41
2:F:197:LEU:HD12	2:F:322:LEU:HD21	2.00	0.41
2:F:239:LEU:HG	2:F:336:LEU:CD1	2.50	0.41
2:F:286:GLY:CA	2:F:303:LEU:O	2.68	0.41
2:F:335:VAL:HG22	2:F:336:LEU:N	2.35	0.41
2:F:372:LEU:CG	2:F:436:SER:HB2	2.49	0.41
2:F:383:VAL:CG2	2:F:384:ALA:H	2.33	0.41
2:F:396:ARG:C	2:F:396:ARG:CD	2.87	0.41
2:F:474:PHE:CZ	2:F:475:LEU:HD23	2.55	0.41
1:A:177:ARG:O	1:A:179:GLY:N	2.53	0.41
1:A:196:VAL:HA	1:A:267:VAL:HG12	2.02	0.41
1:A:449:GLN:HA	1:A:452:TYR:CD1	2.53	0.41
1:A:485:LEU:O	1:A:489:GLU:HG3	2.20	0.41
1:A:512:LYS:C	1:A:513:LEU:HG	2.43	0.41
1:A:784:GLY:N	2:C:362:THR:O	2.54	0.41
1:A:792:LEU:O	1:A:796:LYS:CD	2.67	0.41
1:A:955:TYR:HE2	1:A:1102:GLN:HE21	1.68	0.41
1:A:1230:SER:HB3	1:A:1231:LEU:H	1.58	0.41
2:B:76:ARG:NH2	2:B:431:LYS:HG3	2.35	0.41
2:B:78:PHE:CE1	2:B:102:LEU:C	2.98	0.41
2:B:259:ARG:HD2	2:B:262:TRP:HB2	2.01	0.41
2:C:102:LEU:HD11	2:C:435:MET:SD	2.60	0.41
2:C:121:PHE:CE1	2:C:122:ARG:HD2	2.55	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:125:VAL:CG1	2:C:206:TYR:HD1	2.33	0.41
2:C:208:LEU:H	2:C:208:LEU:HG	0.84	0.41
2:C:272:ASN:HB3	2:C:292:ASN:CB	2.47	0.41
2:C:473:ASP:O	2:C:477:LYS:HG3	2.20	0.41
1:D:154:ALA:O	1:D:155:ASN:C	2.62	0.41
1:D:209:PRO:O	1:D:210:THR:OG1	2.38	0.41
1:D:345:TRP:CE3	1:D:345:TRP:O	2.73	0.41
1:D:444:TYR:CE2	1:D:877:MET:SD	3.13	0.41
1:D:546:ARG:HH21	2:F:404:ASN:ND2	2.18	0.41
1:D:598:VAL:N	1:D:616:GLU:CD	2.78	0.41
1:D:611:PRO:HG2	1:D:622:TYR:CE2	2.55	0.41
1:D:631:LEU:O	1:D:633:LYS:HG3	2.20	0.41
1:D:765:PRO:HG2	1:D:766:PHE:CG	2.55	0.41
1:D:797:MET:HB2	1:D:869:ARG:HH11	1.85	0.41
1:D:896:LEU:HD13	1:D:896:LEU:HA	1.85	0.41
1:D:1019:TRP:NE1	1:D:1020:ILE:HG22	2.32	0.41
1:D:1220:ILE:HB	1:D:1221:TYR:H	1.41	0.41
2:E:213:VAL:HG13	2:E:235:THR:HG23	1.96	0.41
2:E:415:PRO:HB2	2:E:417:TYR:CZ	2.55	0.41
2:E:476:ILE:O	2:E:480:SER:HB3	2.19	0.41
2:F:94:GLY:C	2:F:96:HIS:H	2.29	0.41
2:F:190:LEU:HB2	2:F:314:MET:CE	2.47	0.41
2:F:201:ASN:O	2:F:202:LYS:CB	2.68	0.41
2:F:238:SER:HA	2:F:338:VAL:CB	2.49	0.41
2:F:299:LEU:H	2:F:299:LEU:CD2	2.09	0.41
2:F:308:ASP:OD2	2:F:334:CYS:SG	2.76	0.41
1:A:105:GLU:O	1:A:109:LYS:HE2	2.20	0.41
1:A:196:VAL:HA	1:A:269:HIS:NE2	2.35	0.41
1:A:239:LEU:HG	1:A:239:LEU:H	1.55	0.41
1:A:253:ALA:CB	1:A:256:PRO:HB3	2.37	0.41
1:A:272:SER:O	1:A:274:ASP:N	2.52	0.41
1:A:620:TRP:HD1	1:A:749:PHE:O	2.03	0.41
1:A:829:PRO:HB3	1:A:883:GLY:N	2.35	0.41
1:A:913:CYS:O	1:A:917:GLY:N	2.54	0.41
1:A:1028:VAL:HG23	1:A:1029:GLN:HG3	2.01	0.41
1:A:1128:ARG:O	1:A:1139:TYR:HA	2.21	0.41
1:A:1195:MET:O	1:A:1196:ASP:CB	2.67	0.41
2:B:95:CYS:C	2:B:96:HIS:O	2.63	0.41
2:C:208:LEU:CD1	2:C:208:LEU:H	1.98	0.41
2:C:222:LYS:HB2	2:C:223:GLN:H	1.56	0.41
2:C:413:VAL:CG1	2:C:414:TRP:N	2.83	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:74:LEU:CD1	1:D:76:ILE:O	2.67	0.41
1:D:79:LEU:CB	1:D:83:LEU:HD11	2.46	0.41
1:D:131:TYR:C	1:D:138:HIS:HE1	2.27	0.41
1:D:256:PRO:HB3	1:D:281:GLN:CA	2.49	0.41
1:D:267:VAL:CB	1:D:269:HIS:HD2	2.14	0.41
1:D:444:TYR:CE2	1:D:1210:TYR:HB2	2.55	0.41
1:D:451:THR:HA	1:D:454:GLU:HG3	2.01	0.41
1:D:468:ASN:O	1:D:472:GLN:HB2	2.21	0.41
1:D:500:ALA:HB2	1:D:521:PRO:CD	2.49	0.41
1:D:601:LYS:NZ	1:D:722:ARG:H	2.17	0.41
1:D:722:ARG:CG	1:D:722:ARG:NH1	2.83	0.41
1:D:812:MET:O	1:D:840:ILE:CG2	2.58	0.41
1:D:1043:VAL:O	1:D:1043:VAL:HG23	2.20	0.41
1:D:1122:GLU:OE2	1:D:1122:GLU:CA	2.68	0.41
1:D:1129:PHE:CE2	1:D:1139:TYR:CD2	3.09	0.41
1:D:1154:GLN:HG2	1:D:1179:PHE:HE2	1.82	0.41
1:D:1192:GLU:C	1:D:1193:VAL:HG12	2.46	0.41
2:E:203:ARG:CZ	2:E:203:ARG:CB	2.97	0.41
2:E:259:ARG:NH2	2:E:301:GLU:OE1	2.53	0.41
2:E:264:ARG:HG2	2:E:273:PHE:CG	2.55	0.41
2:E:328:ARG:O	2:E:329:LYS:HG3	2.20	0.41
2:E:457:SER:OG	2:E:458:ARG:N	2.52	0.41
2:F:61:GLY:HA2	2:F:64:GLU:CD	2.46	0.41
2:F:254:PHE:HA	2:F:257:ARG:HD2	2.02	0.41
2:F:375:HIS:N	2:F:378:LEU:HB2	2.35	0.41
2:F:386:ASP:O	2:F:443:VAL:N	2.36	0.41
2:F:403:PHE:CD2	2:F:407:LEU:HB2	2.54	0.41
2:F:426:GLU:OE2	2:F:426:GLU:HA	2.20	0.41
2:F:468:ILE:CG2	2:F:469:SER:N	2.83	0.41
2:F:470:LYS:O	2:F:474:PHE:N	2.54	0.41
2:F:475:LEU:HG	2:F:475:LEU:H	1.58	0.41
1:A:175:TRP:O	1:A:176:THR:CB	2.68	0.41
1:A:259:ARG:O	1:A:260:ASP:CB	2.68	0.41
1:A:371:LYS:HB2	1:A:374:ARG:HD2	2.03	0.41
1:A:392:LEU:CD2	1:A:392:LEU:C	2.88	0.41
1:A:425:ALA:O	1:A:428:LEU:HB2	2.21	0.41
1:A:441:TRP:HD1	1:A:877:MET:SD	2.44	0.41
1:A:497:GLN:O	1:A:498:LYS:CG	2.68	0.41
1:A:556:THR:CG2	2:C:467:HIS:NE2	2.84	0.41
1:A:560:PRO:O	1:A:561:LYS:HB2	2.20	0.41
1:A:599:THR:O	1:A:602:LEU:C	2.64	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:606:THR:HG22	1:A:614:TYR:CE2	2.55	0.41
1:A:645:VAL:CG1	1:A:647:CYS:O	2.68	0.41
1:A:885:THR:C	1:A:1146:ARG:CZ	2.94	0.41
1:A:944:GLU:O	1:A:948:ILE:HG12	2.21	0.41
1:A:1041:TRP:NE1	1:A:1043:VAL:CG2	2.83	0.41
1:A:1093:MET:H	1:A:1093:MET:HG3	1.68	0.41
1:A:1158:LEU:N	1:A:1158:LEU:HD23	2.34	0.41
2:C:238:SER:HB2	2:C:338:VAL:HG11	2.01	0.41
2:C:272:ASN:C	2:C:292:ASN:HD22	2.28	0.41
2:C:432:TYR:HB3	2:C:437:ILE:CD1	2.50	0.41
1:D:97:GLU:CB	1:D:101:ARG:NH1	2.83	0.41
1:D:247:LEU:HD12	1:D:247:LEU:N	2.35	0.41
1:D:265:LEU:HG	1:D:267:VAL:N	2.35	0.41
1:D:371:LYS:C	1:D:373:PRO:HD3	2.42	0.41
1:D:374:ARG:O	1:D:377:PHE:C	2.64	0.41
1:D:387:GLU:O	1:D:390:GLN:HG2	2.20	0.41
1:D:531:GLY:HA2	1:D:532:PRO:HD3	1.68	0.41
1:D:863:SER:O	1:D:875:LYS:HE2	2.20	0.41
1:D:869:ARG:HA	1:D:1200:PRO:HB2	2.02	0.41
1:D:1220:ILE:O	1:D:1221:TYR:C	2.63	0.41
2:E:185:LEU:HD11	2:E:236:GLU:C	2.44	0.41
2:E:302:THR:O	2:E:338:VAL:HA	2.20	0.41
2:E:447:THR:CG2	2:E:452:LEU:H	2.32	0.41
2:E:455:LEU:O	2:E:463:LYS:CA	2.59	0.41
2:F:82:SER:CA	2:F:86:LEU:CD2	2.77	0.41
2:F:114:TRP:HB2	2:F:262:TRP:HZ2	1.77	0.41
2:F:193:TYR:CD1	2:F:193:TYR:O	2.74	0.41
2:F:204:LEU:HD12	2:F:204:LEU:H	1.84	0.41
2:F:360:SER:OG	2:F:364:LYS:HD2	2.21	0.41
2:F:432:TYR:O	2:F:436:SER:N	2.53	0.41
1:A:139:PHE:CD2	1:A:1111:LEU:HG	2.56	0.41
1:A:156:LEU:N	1:A:156:LEU:CD2	2.83	0.41
1:A:255:SER:N	1:A:256:PRO:HA	2.35	0.41
1:A:345:TRP:O	1:A:345:TRP:CD1	2.74	0.41
1:A:597:ARG:HB2	1:A:616:GLU:OE1	2.20	0.41
1:A:606:THR:HG21	1:A:613:HIS:N	2.25	0.41
1:A:618:HIS:O	1:A:762:VAL:HG21	2.20	0.41
1:A:638:THR:O	1:A:639:THR:C	2.63	0.41
1:A:659:HIS:HD2	1:A:720:THR:H	1.67	0.41
1:A:739:TYR:CA	1:A:741:ASP:O	2.67	0.41
1:A:765:PRO:HG2	1:A:766:PHE:N	2.36	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:982:ALA:O	1:A:983:GLN:C	2.62	0.41
1:A:1131:ILE:HG23	1:A:1137:VAL:CG1	2.49	0.41
1:A:1152:ALA:O	1:A:1153:LEU:C	2.62	0.41
1:A:1179:PHE:CD1	1:A:1220:ILE:HG12	2.55	0.41
1:A:1183:VAL:O	1:A:1217:ALA:CB	2.68	0.41
1:A:1184:ASP:OD1	1:A:1184:ASP:N	2.54	0.41
2:B:125:VAL:C	2:B:126:PHE:CD1	2.98	0.41
2:B:125:VAL:CG1	2:B:126:PHE:N	2.82	0.41
2:B:285:LYS:O	2:B:304:TRP:C	2.64	0.41
2:B:348:ALA:O	2:B:349:TYR:C	2.63	0.41
2:B:431:LYS:HG2	2:B:435:MET:HG3	2.02	0.41
2:C:115:TRP:CD1	2:C:119:VAL:CG2	3.03	0.41
2:C:188:GLY:O	2:C:189:ALA:C	2.63	0.41
2:C:208:LEU:CD1	2:C:208:LEU:N	2.57	0.41
2:C:395:LEU:HD23	2:C:395:LEU:C	2.45	0.41
2:C:413:VAL:HG12	2:C:414:TRP:H	1.84	0.41
1:D:163:PRO:O	1:D:165:LYS:HE3	2.21	0.41
1:D:192:GLU:CD	1:D:258:GLN:HE22	2.28	0.41
1:D:255:SER:HB3	1:D:256:PRO:O	2.18	0.41
1:D:269:HIS:O	1:D:274:ASP:OD2	2.38	0.41
1:D:470:ALA:O	1:D:471:CYS:C	2.63	0.41
1:D:550:GLN:CD	1:D:551:LYS:HE3	2.46	0.41
1:D:588:GLY:N	1:D:806:LYS:HZ1	2.18	0.41
1:D:801:TRP:CE3	1:D:801:TRP:C	2.98	0.41
1:D:823:ARG:CD	1:D:824:ALA:H	2.32	0.41
1:D:902:LEU:HA	1:D:902:LEU:HD12	1.80	0.41
1:D:1065:ALA:O	1:D:1066:THR:C	2.62	0.41
1:D:1132:SER:CA	1:D:1136:GLU:O	2.62	0.41
1:D:1146:ARG:C	1:D:1147:TYR:HD2	2.29	0.41
1:D:1200:PRO:HD2	1:D:1203:PRO:CB	2.51	0.41
2:E:323:HIS:O	2:E:330:ASN:HA	2.20	0.41
2:E:325:ARG:CG	2:E:330:ASN:H	2.34	0.41
2:E:354:PHE:HB2	2:E:372:LEU:CD1	2.50	0.41
2:F:78:PHE:HD1	2:F:102:LEU:HD22	1.78	0.41
2:F:131:LEU:HD12	2:F:131:LEU:HA	1.88	0.41
2:F:372:LEU:CD1	2:F:372:LEU:C	2.92	0.41
1:A:83:LEU:HB3	1:A:87:ILE:C	2.45	0.41
1:A:174:GLY:O	1:A:220:TRP:HB2	2.21	0.41
1:A:256:PRO:CB	1:A:281:GLN:HA	2.46	0.41
1:A:257:THR:C	1:A:258:GLN:CD	2.89	0.41
1:A:439:GLN:HG3	1:A:836:LEU:O	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:756:ASP:OD2	1:A:1057:MET:HG2	2.20	0.41
1:A:773:LYS:CE	1:A:1057:MET:HE1	2.50	0.41
1:A:792:LEU:O	1:A:796:LYS:HD3	2.21	0.41
1:A:879:GLN:CG	1:A:1189:LEU:CD2	2.79	0.41
1:A:904:ASP:OD1	1:A:904:ASP:N	2.51	0.41
1:A:985:MET:HG3	1:A:985:MET:H	1.73	0.41
2:B:261:GLN:CA	2:B:264:ARG:NE	2.70	0.41
2:B:471:LEU:HA	2:B:474:PHE:HB3	2.01	0.41
2:C:393:LEU:O	2:C:394:GLU:C	2.63	0.41
2:C:393:LEU:O	2:C:397:GLN:HB3	2.21	0.41
2:C:452:LEU:HD12	2:C:453:ILE:HG12	2.02	0.41
1:D:81:ARG:HD3	1:D:126:ARG:HA	2.01	0.41
1:D:140:ARG:O	1:D:144:GLN:CB	2.61	0.41
1:D:146:GLN:HG2	1:D:146:GLN:H	1.44	0.41
1:D:203:LEU:CB	1:D:379:LYS:O	2.69	0.41
1:D:295:MET:O	1:D:298:HIS:N	2.54	0.41
1:D:391:ASP:O	1:D:395:TYR:CD1	2.74	0.41
1:D:444:TYR:CD2	1:D:877:MET:SD	3.14	0.41
1:D:495:PHE:O	1:D:573:TYR:CZ	2.73	0.41
1:D:611:PRO:CB	1:D:612:LEU:HD13	2.37	0.41
1:D:622:TYR:HB2	1:D:747:CYS:O	2.21	0.41
1:D:783:PRO:CG	1:D:784:GLY:N	2.81	0.41
1:D:792:LEU:C	1:D:795:ASN:ND2	2.79	0.41
1:D:950:ASN:O	1:D:953:ARG:N	2.53	0.41
1:D:1165:ALA:HB1	1:D:1173:LEU:HD12	1.91	0.41
2:E:106:LEU:HD12	2:E:109:ASN:ND2	2.36	0.41
2:E:123:GLU:O	2:E:125:VAL:O	2.39	0.41
2:E:353:SER:HA	2:E:373:LYS:O	2.20	0.41
2:E:406:LEU:HG	2:E:413:VAL:HG22	2.01	0.41
2:E:418:LEU:HD23	2:E:418:LEU:HA	1.88	0.41
2:F:61:GLY:CA	2:F:64:GLU:HG2	2.51	0.41
2:F:257:ARG:O	2:F:258:HIS:C	2.63	0.41
2:F:336:LEU:HD21	2:F:337:SER:O	2.21	0.41
1:A:78:MET:O	1:A:79:LEU:HD23	2.21	0.41
1:A:211:LEU:HA	1:A:222:SER:H	1.86	0.41
1:A:276:ALA:CB	1:A:279:ARG:HG2	2.51	0.41
1:A:292:LEU:HD11	1:A:428:LEU:CD2	2.51	0.41
1:A:412:PRO:O	1:A:415:LEU:N	2.53	0.41
1:A:456:GLN:HE21	1:A:798:ILE:HD11	1.86	0.41
1:A:465:ASP:OD1	1:A:466:LEU:N	2.54	0.41
1:A:667:GLN:CG	1:A:668:LEU:N	2.82	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:745:PRO:HD2	1:A:746:GLY:H	1.85	0.41
1:A:817:PRO:CG	1:A:818:ARG:N	2.84	0.41
1:A:897:TRP:CD1	1:A:897:TRP:C	2.91	0.41
1:A:900:ALA:HB1	1:A:915:ALA:HB1	2.02	0.41
1:A:931:LEU:CD2	1:A:932:HIS:N	2.77	0.41
2:B:184:ASN:C	2:B:186:LEU:H	2.29	0.41
2:B:473:ASP:O	2:B:477:LYS:HE3	2.21	0.41
2:C:113:GLU:O	2:C:116:THR:CG2	2.59	0.41
2:C:290:TYR:CD1	2:C:299:LEU:HD22	2.56	0.41
2:C:344:ARG:N	2:C:347:LEU:HD22	2.35	0.41
2:C:362:THR:O	2:C:363:ARG:HD2	2.21	0.41
1:D:138:HIS:O	1:D:142:LEU:CG	2.52	0.41
1:D:169:TRP:O	1:D:170:ALA:C	2.63	0.41
1:D:350:ILE:HG22	1:D:352:SER:CB	2.40	0.41
1:D:374:ARG:NE	1:D:392:LEU:CD2	2.83	0.41
1:D:437:VAL:C	1:D:441:TRP:HD1	2.29	0.41
1:D:466:LEU:N	1:D:466:LEU:CD1	2.82	0.41
1:D:490:TRP:O	1:D:580:LEU:CA	2.68	0.41
1:D:637:GLY:O	1:D:641:GLU:HG3	2.21	0.41
1:D:752:LEU:HB3	1:D:753:PRO:CB	2.49	0.41
1:D:770:PHE:O	1:D:773:LYS:HG2	2.20	0.41
1:D:897:TRP:HH2	1:D:1173:LEU:CD1	2.26	0.41
1:D:1045:ALA:HB1	1:D:1092:PHE:CE1	2.55	0.41
1:D:1113:LEU:C	1:D:1117:LYS:HE3	2.45	0.41
1:D:1193:VAL:O	1:D:1195:MET:CE	2.69	0.41
2:E:76:ARG:HG3	2:E:435:MET:HG3	2.03	0.41
2:E:129:ASP:OD1	2:F:98:GLY:HA3	2.21	0.41
2:E:259:ARG:NE	2:E:301:GLU:OE1	2.54	0.41
2:E:270:PRO:C	2:E:273:PHE:CD2	2.99	0.41
2:E:441:VAL:HG22	2:E:455:LEU:CB	2.51	0.41
2:F:114:TRP:CD1	2:F:259:ARG:NH1	2.81	0.41
2:F:138:LEU:HA	2:F:138:LEU:HD13	1.81	0.41
2:F:350:LEU:CD1	2:F:351:TYR:H	2.32	0.41
2:F:446:THR:CB	2:F:450:ASN:OD1	2.69	0.41
1:A:143:ALA:CB	1:A:421:PRO:HB2	2.50	0.41
1:A:169:TRP:CD1	1:A:169:TRP:N	2.88	0.41
1:A:226:GLN:OE1	1:A:229:VAL:CG2	2.69	0.41
1:A:257:THR:C	1:A:258:GLN:OE1	2.64	0.41
1:A:289:MET:O	1:A:290:ARG:HG3	2.20	0.41
1:A:441:TRP:CZ2	1:A:874:LEU:CB	3.04	0.41
1:A:443:ARG:HG3	1:A:447:GLU:OE1	2.21	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:503:VAL:HG11	1:A:520:ALA:O	2.17	0.41
1:A:539:PHE:O	1:A:539:PHE:CD2	2.73	0.41
1:A:612:LEU:HD22	1:A:620:TRP:C	2.39	0.41
1:A:656:TYR:HA	1:A:659:HIS:CB	2.50	0.41
1:A:848:GLY:O	1:A:849:THR:O	2.38	0.41
1:A:851:THR:OG1	1:A:1099:TRP:CD1	2.69	0.41
1:A:1134:HIS:CB	1:A:1136:GLU:OE2	2.69	0.41
1:A:1179:PHE:CD1	1:A:1220:ILE:CG2	2.99	0.41
1:A:1200:PRO:O	1:A:1202:ASN:N	2.53	0.41
1:A:1206:MET:O	1:A:1207:GLU:CB	2.69	0.41
1:A:1218:LEU:O	1:A:1222:GLN:NE2	2.53	0.41
2:B:238:SER:CA	2:B:339:ASN:HD21	2.33	0.41
2:B:474:PHE:CG	2:B:475:LEU:N	2.89	0.41
2:C:254:PHE:O	2:C:257:ARG:HB2	2.21	0.41
2:C:346:MET:O	2:C:350:LEU:HD11	2.20	0.41
2:C:413:VAL:HG12	2:C:415:PRO:CD	2.51	0.41
1:D:275:ARG:HE	1:D:842:PRO:C	2.26	0.41
1:D:297:MET:HE3	1:D:297:MET:HB2	1.76	0.41
1:D:385:ILE:CG2	1:D:386:ARG:N	2.83	0.41
1:D:399:ASP:O	1:D:403:THR:HG22	2.20	0.41
1:D:429:GLU:C	1:D:431:GLY:H	2.27	0.41
1:D:434:TYR:O	1:D:1130:CYS:CB	2.58	0.41
1:D:618:HIS:CB	1:D:725:PRO:CB	2.98	0.41
1:D:647:CYS:HB3	1:D:649:TYR:H	1.85	0.41
1:D:944:GLU:HG2	1:D:947:LYS:HE3	2.03	0.41
1:D:1067:SER:HB3	1:D:1073:PRO:CG	2.51	0.41
1:D:1144:GLU:HG3	1:D:1145:ASP:OD1	2.20	0.41
1:D:1200:PRO:HD2	1:D:1203:PRO:HB2	2.01	0.41
2:E:439:PHE:CZ	2:E:478:TYR:CZ	3.08	0.41
2:E:456:ARG:HG3	2:E:462:MET:CA	2.51	0.41
2:F:77:HIS:C	2:F:100:GLY:HA3	2.44	0.41
2:F:218:VAL:O	2:F:218:VAL:HG13	2.21	0.41
2:F:431:LYS:C	2:F:431:LYS:CD	2.93	0.41
1:A:74:LEU:CD1	1:A:78:MET:N	2.84	0.41
1:A:76:ILE:HG13	1:A:77:GLN:N	2.34	0.41
1:A:102:ARG:HG2	1:A:102:ARG:H	1.51	0.41
1:A:104:VAL:O	1:A:105:GLU:C	2.63	0.41
1:A:197:PHE:CB	1:A:277:HIS:HD2	2.33	0.41
1:A:271:VAL:CG2	1:A:295:MET:CE	2.99	0.41
1:A:283:LEU:C	1:A:283:LEU:CD1	2.94	0.41
1:A:312:TRP:HH2	1:A:346:ASP:N	2.18	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:313:ILE:HA	1:A:316:LYS:CG	2.51	0.41
1:A:371:LYS:HG3	1:A:372:GLU:HG2	2.02	0.41
1:A:406:VAL:HG22	1:A:407:PHE:HD2	1.85	0.41
1:A:444:TYR:OH	1:A:1200:PRO:CG	2.66	0.41
1:A:494:GLU:C	1:A:495:PHE:HD1	2.28	0.41
1:A:501:LYS:HB3	1:A:502:LYS:H	1.44	0.41
1:A:512:LYS:C	1:A:513:LEU:CG	2.93	0.41
1:A:556:THR:CG2	2:C:452:LEU:HB3	2.33	0.41
1:A:607:TRP:O	1:A:610:PHE:HA	2.21	0.41
1:A:617:ARG:CD	1:A:763:GLY:O	2.69	0.41
1:A:634:LEU:HA	1:A:638:THR:OG1	2.21	0.41
1:A:814:VAL:HG22	1:A:839:ALA:O	2.21	0.41
1:A:875:LYS:HB3	1:A:1189:LEU:O	2.21	0.41
1:A:880:ALA:H	1:A:881:PRO:CD	2.32	0.41
1:A:886:LEU:N	1:A:886:LEU:CD2	2.68	0.41
1:A:893:SER:C	1:A:895:GLU:H	2.23	0.41
1:A:1010:LEU:C	1:A:1012:VAL:N	2.71	0.41
1:A:1024:ASP:O	1:A:1026:ARG:HG3	2.21	0.41
1:A:1038:TRP:CZ3	1:A:1041:TRP:CD2	3.09	0.41
1:A:1136:GLU:C	1:A:1137:VAL:HG23	2.46	0.41
1:A:1155:ILE:HD13	1:A:1158:LEU:HD12	2.02	0.41
1:A:1166:TYR:CD2	1:A:1171:ASN:HA	2.56	0.41
1:A:1184:ASP:HA	1:A:1217:ALA:HB2	2.02	0.41
1:A:1198:LYS:O	1:A:1199:THR:HG23	2.20	0.41
1:A:1222:GLN:O	1:A:1223:ILE:C	2.62	0.41
1:A:1231:LEU:CD1	1:A:1235:SER:HB3	2.51	0.41
2:B:69:LEU:HD12	2:B:69:LEU:C	2.45	0.41
2:B:185:LEU:CD1	2:B:238:SER:HB2	2.50	0.41
2:B:186:LEU:O	2:B:186:LEU:HD23	2.21	0.41
2:B:199:LEU:HD13	2:B:200:VAL:N	2.35	0.41
2:B:389:ARG:N	2:B:389:ARG:NE	2.68	0.41
2:B:428:LEU:HD12	2:B:431:LYS:NZ	2.35	0.41
2:C:72:ILE:HG23	2:C:76:ARG:CD	2.51	0.41
2:C:123:GLU:O	2:C:124:GLN:HB3	2.19	0.41
2:C:184:ASN:HB3	2:C:187:HIS:H	1.85	0.41
2:C:237:ALA:N	2:C:341:ASP:HB3	2.36	0.41
2:C:240:VAL:C	2:C:336:LEU:HD13	2.46	0.41
2:C:253:ASP:HA	2:C:256:LEU:CD2	2.49	0.41
2:C:256:LEU:HD13	2:C:303:LEU:HD22	2.02	0.41
2:C:320:SER:C	2:C:321:LYS:HG3	2.41	0.41
2:C:344:ARG:HG3	2:C:344:ARG:H	1.58	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:354:PHE:O	2:C:356:LEU:N	2.54	0.41
2:C:358:GLU:O	2:C:361:PHE:N	2.45	0.41
1:D:143:ALA:HB1	1:D:425:ALA:HB3	2.03	0.41
1:D:179:GLY:CA	1:D:181:GLU:C	2.93	0.41
1:D:259:ARG:O	1:D:260:ASP:CG	2.64	0.41
1:D:282:TYR:HB2	1:D:841:LEU:HD11	2.01	0.41
1:D:297:MET:CG	1:D:411:LEU:HD13	2.50	0.41
1:D:389:PHE:C	1:D:393:MET:HG2	2.46	0.41
1:D:432:VAL:HG11	1:D:1128:ARG:NE	2.06	0.41
1:D:491:ASP:CG	1:D:578:PRO:HB2	2.46	0.41
1:D:500:ALA:CB	1:D:521:PRO:CD	2.98	0.41
1:D:515:ILE:HG12	1:D:568:GLY:HA3	2.02	0.41
1:D:546:ARG:NH1	2:F:408:GLU:OE1	2.54	0.41
1:D:547:ALA:N	1:D:551:LYS:HZ3	2.19	0.41
1:D:586:THR:O	1:D:586:THR:HG22	2.19	0.41
1:D:598:VAL:O	1:D:599:THR:C	2.63	0.41
1:D:598:VAL:N	1:D:616:GLU:OE2	2.53	0.41
1:D:612:LEU:CD1	1:D:622:TYR:HA	2.51	0.41
1:D:647:CYS:CB	1:D:648:PRO:HD2	2.51	0.41
1:D:666:GLN:HA	1:D:669:MET:O	2.19	0.41
1:D:720:THR:CA	1:D:721:ALA:O	2.69	0.41
1:D:840:ILE:HG22	1:D:841:LEU:N	2.36	0.41
1:D:913:CYS:O	1:D:918:TRP:N	2.54	0.41
1:D:914:THR:O	1:D:914:THR:CG2	2.69	0.41
1:D:923:GLY:CA	1:D:931:LEU:CD1	2.98	0.41
1:D:1000:GLU:O	1:D:1003:TRP:CB	2.69	0.41
1:D:1003:TRP:CH2	1:D:1101:VAL:CG2	3.04	0.41
1:D:1067:SER:CB	1:D:1071:ARG:HB3	2.50	0.41
1:D:1108:TYR:CA	1:D:1164:PHE:CE1	3.01	0.41
1:D:1129:PHE:CZ	1:D:1139:TYR:CE2	3.09	0.41
1:D:1136:GLU:C	1:D:1137:VAL:HG23	2.45	0.41
1:D:1151:LEU:O	1:D:1152:ALA:C	2.64	0.41
1:D:1171:ASN:O	1:D:1172:ASP:OD1	2.39	0.41
1:D:1206:MET:HG2	2:F:257:ARG:CZ	2.45	0.41
2:E:201:ASN:CB	2:F:421:MET:SD	3.09	0.41
2:E:386:ASP:CG	2:E:387:VAL:N	2.75	0.41
2:E:393:LEU:O	2:E:396:ARG:CG	2.68	0.41
2:E:400:GLN:C	2:E:402:LEU:N	2.79	0.41
2:E:442:LEU:HD13	2:E:443:VAL:CA	2.49	0.41
2:F:86:LEU:N	2:F:86:LEU:CD1	2.84	0.41
2:F:289:LEU:HD23	2:F:289:LEU:HA	1.85	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:F:326:ASP:OD2	2:F:329:LYS:O	2.39	0.41
2:F:336:LEU:HD23	2:F:337:SER:O	2.20	0.41
2:F:454:HIS:O	2:F:455:LEU:CB	2.49	0.41
2:F:458:ARG:CG	2:F:459:ASP:N	2.83	0.41
2:F:460:THR:C	2:F:461:THR:CG2	2.94	0.41
2:F:481:SER:O	2:F:484:ASN:HB2	2.21	0.41
1:A:119:PRO:C	1:A:120:LEU:HD13	2.46	0.41
1:A:148:LEU:HD23	1:A:148:LEU:HA	1.88	0.41
1:A:181:GLU:CG	1:A:182:GLY:N	2.83	0.41
1:A:502:LYS:CD	1:A:506:GLU:OE1	2.41	0.41
1:A:659:HIS:C	1:A:662:GLU:HG2	2.46	0.41
1:A:798:ILE:HD11	1:A:802:ARG:NE	2.30	0.41
1:A:863:SER:C	1:A:864:ASN:O	2.62	0.41
1:A:1113:LEU:HD22	1:A:1139:TYR:OH	2.20	0.41
1:A:1149:ALA:O	1:A:1152:ALA:N	2.54	0.41
1:A:1205:GLY:C	1:A:1208:ARG:HB3	2.44	0.41
2:B:238:SER:OG	2:B:339:ASN:OD1	2.34	0.41
2:B:450:ASN:ND2	2:B:452:LEU:HB2	2.36	0.41
2:C:146:ARG:NE	2:C:228:VAL:HG11	2.36	0.41
2:C:235:THR:C	2:C:341:ASP:OD1	2.63	0.41
2:C:326:ASP:CG	2:C:329:LYS:CB	2.94	0.41
2:C:347:LEU:CD1	2:C:347:LEU:N	2.82	0.41
2:C:475:LEU:O	2:C:476:ILE:C	2.64	0.41
1:D:72:ASN:OD1	1:D:80:SER:OG	2.31	0.41
1:D:157:LEU:HD22	1:D:157:LEU:HA	1.83	0.41
1:D:274:ASP:HA	1:D:277:HIS:HD2	1.85	0.41
1:D:420:HIS:O	1:D:424:LEU:CG	2.68	0.41
1:D:477:GLU:HG2	1:D:478:ARG:H	1.86	0.41
1:D:500:ALA:HB1	1:D:520:ALA:HB3	2.03	0.41
1:D:504:LYS:NZ	1:D:525:MET:HE3	2.36	0.41
1:D:656:TYR:HA	1:D:659:HIS:HE1	1.85	0.41
1:D:1212:ILE:HG13	1:D:1213:PRO:HD2	2.03	0.41
2:E:259:ARG:HH21	2:E:301:GLU:CD	2.28	0.41
2:F:244:PRO:HB3	2:F:245:PRO:HD2	2.02	0.41
2:F:251:TRP:HZ3	2:F:254:PHE:CD1	2.38	0.41
2:F:291:TYR:O	2:F:297:LYS:HA	2.21	0.41
2:F:348:ALA:HA	2:F:351:TYR:HB2	2.02	0.41
2:F:365:LYS:HG3	2:F:366:ASN:N	2.35	0.41
2:F:453:ILE:CD1	2:F:465:MET:HB3	2.36	0.41
1:A:107:LEU:HA	1:A:110:HIS:HB2	2.02	0.40
1:A:279:ARG:HB3	1:A:280:GLU:OE2	2.20	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:513:LEU:HA	1:A:514:PRO:HD2	1.61	0.40
1:A:576:LEU:HD12	1:A:577:CYS:H	1.77	0.40
1:A:658:LYS:C	1:A:660:CYS:N	2.78	0.40
1:A:812:MET:O	1:A:813:VAL:CB	2.69	0.40
1:A:1066:THR:CB	1:A:1071:ARG:HB3	2.50	0.40
1:A:1198:LYS:O	1:A:1199:THR:CB	2.68	0.40
2:B:197:LEU:C	2:B:199:LEU:N	2.79	0.40
2:B:264:ARG:O	2:B:267:ALA:N	2.54	0.40
2:B:470:LYS:C	2:B:472:LYS:N	2.78	0.40
2:B:474:PHE:CD2	2:B:475:LEU:HG	2.56	0.40
2:C:125:VAL:HG22	2:C:208:LEU:CB	2.48	0.40
2:C:241:TRP:CE3	2:C:336:LEU:CD1	3.02	0.40
2:C:291:TYR:OH	2:C:351:TYR:HB3	2.21	0.40
2:C:293:PHE:C	2:C:295:TRP:H	2.29	0.40
2:C:344:ARG:O	2:C:345:GLY:C	2.62	0.40
2:C:393:LEU:O	2:C:397:GLN:CB	2.69	0.40
2:C:395:LEU:C	2:C:397:GLN:N	2.72	0.40
2:C:405:GLU:O	2:C:409:ASN:CG	2.64	0.40
2:C:411:ILE:HG23	2:C:411:ILE:O	2.20	0.40
2:C:444:THR:C	2:C:446:THR:N	2.78	0.40
1:D:174:GLY:HA2	1:D:220:TRP:N	2.36	0.40
1:D:189:ILE:HG21	1:D:258:GLN:CB	2.45	0.40
1:D:198:ASP:CB	1:D:400:VAL:CG1	2.87	0.40
1:D:271:VAL:O	1:D:274:ASP:CG	2.64	0.40
1:D:408:GLN:HA	1:D:411:LEU:CD1	2.46	0.40
1:D:441:TRP:CG	1:D:878:VAL:O	2.74	0.40
1:D:455:LEU:HD11	1:D:797:MET:SD	2.61	0.40
1:D:842:PRO:O	1:D:843:GLN:C	2.63	0.40
1:D:849:THR:HG22	1:D:850:ILE:HG12	2.03	0.40
1:D:900:ALA:HB1	1:D:915:ALA:CA	2.51	0.40
2:E:123:GLU:O	2:E:125:VAL:N	2.54	0.40
2:E:319:VAL:HG23	2:E:332:VAL:HG21	2.03	0.40
2:E:380:PRO:O	2:E:382:LYS:N	2.54	0.40
2:F:69:LEU:HD21	2:F:351:TYR:HA	2.03	0.40
2:F:146:ARG:NE	2:F:228:VAL:HG11	2.36	0.40
2:F:239:LEU:O	2:F:336:LEU:CD2	2.46	0.40
2:F:252:LEU:HD12	2:F:305:ASN:HB2	2.01	0.40
2:F:347:LEU:HD13	2:F:347:LEU:H	1.86	0.40
2:F:418:LEU:O	2:F:418:LEU:HD12	2.21	0.40
2:F:419:GLU:CG	2:F:432:TYR:OH	2.68	0.40
2:F:455:LEU:HG	2:F:456:ARG:NH2	2.36	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:78:MET:SD	1:A:123:VAL:HG11	2.61	0.40
1:A:79:LEU:HB2	1:A:89:GLY:CA	2.50	0.40
1:A:115:GLN:C	1:A:117:ALA:N	2.75	0.40
1:A:191:GLU:O	1:A:193:ARG:NH1	2.54	0.40
1:A:260:ASP:CA	1:A:264:GLN:NE2	2.84	0.40
1:A:260:ASP:OD1	1:A:260:ASP:O	2.39	0.40
1:A:313:ILE:CD1	1:A:314:ALA:N	2.85	0.40
1:A:423:THR:HB	1:A:424:LEU:HD23	2.03	0.40
1:A:463:LEU:C	1:A:463:LEU:CD2	2.93	0.40
1:A:486:TRP:HA	1:A:489:GLU:OE2	2.21	0.40
1:A:610:PHE:CB	1:A:611:PRO:HD3	2.51	0.40
1:A:633:LYS:O	1:A:634:LEU:CD1	2.70	0.40
1:A:641:GLU:O	1:A:642:SER:C	2.65	0.40
1:A:812:MET:CG	1:A:813:VAL:N	2.84	0.40
1:A:813:VAL:HB	1:A:840:ILE:CG1	2.43	0.40
1:A:824:ALA:O	1:A:825:VAL:C	2.58	0.40
1:A:995:TYR:HB2	1:A:1004:LEU:HD11	2.02	0.40
1:A:1107:ASP:O	1:A:1108:TYR:C	2.64	0.40
2:B:261:GLN:O	2:B:265:LYS:HA	2.21	0.40
2:B:481:SER:O	2:B:484:ASN:HB2	2.21	0.40
2:C:69:LEU:HD21	2:C:351:TYR:HA	2.03	0.40
2:C:254:PHE:N	2:C:257:ARG:HH21	2.19	0.40
2:C:322:LEU:C	2:C:322:LEU:CD2	2.89	0.40
2:C:343:ASP:HB2	2:C:347:LEU:HD11	2.02	0.40
2:C:389:ARG:O	2:C:392:THR:HA	2.21	0.40
1:D:83:LEU:CB	1:D:88:PHE:C	2.94	0.40
1:D:102:ARG:O	1:D:103:SER:C	2.65	0.40
1:D:128:PRO:C	1:D:130:LEU:HG	2.46	0.40
1:D:224:CYS:O	1:D:225:SER:C	2.64	0.40
1:D:308:GLN:HE21	1:D:1091:GLU:N	2.18	0.40
1:D:369:LEU:HD22	1:D:372:GLU:HG3	2.03	0.40
1:D:472:GLN:C	2:F:461:THR:HG21	2.45	0.40
1:D:483:PRO:HA	1:D:486:TRP:CD1	2.55	0.40
1:D:602:LEU:O	1:D:604:ALA:N	2.54	0.40
1:D:605:LEU:HA	1:D:782:GLY:H	1.86	0.40
1:D:620:TRP:HE1	1:D:751:LYS:HB2	1.84	0.40
1:D:894:GLN:HE22	1:D:1180:PHE:HE2	1.69	0.40
1:D:1025:LEU:HD22	1:D:1091:GLU:OE2	2.21	0.40
1:D:1068:ASP:O	1:D:1071:ARG:HG2	2.21	0.40
2:E:115:TRP:O	2:E:115:TRP:CD1	2.75	0.40
2:E:116:THR:O	2:E:120:VAL:N	2.47	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:E:126:PHE:CE2	2:F:414:TRP:CZ3	3.09	0.40
2:E:321:LYS:C	2:E:323:HIS:CD2	2.99	0.40
2:E:375:HIS:CG	2:E:376:PRO:CA	3.04	0.40
2:E:380:PRO:O	2:E:382:LYS:CA	2.68	0.40
2:E:386:ASP:O	2:E:387:VAL:CG1	2.70	0.40
2:E:453:ILE:O	2:E:465:MET:HA	2.21	0.40
2:E:470:LYS:O	2:E:471:LEU:C	2.64	0.40
2:F:106:LEU:HG	2:F:346:MET:CG	2.51	0.40
2:F:298:GLU:CG	2:F:344:ARG:NH2	2.84	0.40
2:F:384:ALA:HB3	2:F:440:THR:HG22	2.04	0.40
2:F:403:PHE:CD2	2:F:404:ASN:N	2.89	0.40
2:F:406:LEU:HD13	2:F:406:LEU:N	2.36	0.40
2:F:427:GLN:C	2:F:430:SER:HG	2.21	0.40
2:F:441:VAL:HB	2:F:454:HIS:O	2.21	0.40
2:F:455:LEU:CA	2:F:456:ARG:NE	2.73	0.40
1:A:148:LEU:O	1:A:149:PRO:C	2.62	0.40
1:A:174:GLY:CA	1:A:220:TRP:HB2	2.50	0.40
1:A:243:ASP:C	1:A:245:ILE:N	2.78	0.40
1:A:258:GLN:O	1:A:259:ARG:NH2	2.54	0.40
1:A:261:TRP:CE3	1:A:261:TRP:CA	3.00	0.40
1:A:272:SER:O	1:A:274:ASP:CG	2.64	0.40
1:A:755:LYS:CD	1:A:964:ARG:NH1	2.67	0.40
1:A:822:PRO:O	1:A:825:VAL:HB	2.22	0.40
1:A:851:THR:O	1:A:852:ARG:CB	2.69	0.40
1:A:876:ALA:C	1:A:878:VAL:N	2.79	0.40
1:A:918:TRP:C	1:A:920:THR:H	2.21	0.40
1:A:1170:LEU:N	1:A:1170:LEU:HD12	2.37	0.40
2:B:69:LEU:CA	2:B:72:ILE:HG12	2.52	0.40
2:B:77:HIS:CB	2:C:195:ASN:OD1	2.67	0.40
2:B:204:LEU:CD1	2:B:324:GLY:HA3	2.51	0.40
2:B:311:LEU:O	2:B:312:LEU:C	2.64	0.40
2:C:64:GLU:CG	2:C:65:GLY:N	2.84	0.40
2:C:99:PHE:CD2	2:C:99:PHE:N	2.89	0.40
2:C:197:LEU:HD11	2:C:322:LEU:CD1	2.51	0.40
2:C:200:VAL:O	2:C:201:ASN:CB	2.69	0.40
2:C:349:TYR:O	2:C:350:LEU:C	2.65	0.40
2:C:403:PHE:N	2:C:406:LEU:HD22	2.36	0.40
2:C:464:GLU:OE2	2:C:464:GLU:O	2.39	0.40
1:D:175:TRP:HA	1:D:185:VAL:CG2	2.48	0.40
1:D:193:ARG:HD2	1:D:263:GLU:OE2	2.21	0.40
1:D:238:GLN:OE1	1:D:238:GLN:HA	2.19	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:266:VAL:HA	1:D:289:MET:CE	2.52	0.40
1:D:484:TRP:NE1	1:D:488:LEU:CG	2.84	0.40
1:D:734:HIS:HA	1:D:752:LEU:HD11	2.03	0.40
1:D:792:LEU:C	1:D:794:ILE:N	2.80	0.40
1:D:851:THR:HG21	1:D:1102:GLN:CG	2.51	0.40
1:D:856:GLU:O	1:D:857:PRO:C	2.61	0.40
1:D:1066:THR:O	1:D:1066:THR:CG2	2.69	0.40
1:D:1224:ILE:HG12	1:D:1228:LYS:HA	2.03	0.40
2:E:78:PHE:HE1	2:E:346:MET:HE1	1.84	0.40
2:E:395:LEU:HD13	2:E:395:LEU:C	2.46	0.40
2:F:315:TYR:CD2	2:F:315:TYR:N	2.89	0.40
2:F:350:LEU:CD1	2:F:351:TYR:N	2.85	0.40
2:F:431:LYS:HD3	2:F:432:TYR:N	2.36	0.40
2:F:465:MET:HE2	2:F:465:MET:N	2.35	0.40
2:F:473:ASP:O	2:F:476:ILE:CD1	2.69	0.40
1:A:83:LEU:O	1:A:87:ILE:O	2.40	0.40
1:A:174:GLY:HA2	1:A:220:TRP:CB	2.51	0.40
1:A:422:VAL:HG11	1:A:1111:LEU:HD11	2.03	0.40
1:A:659:HIS:HD1	1:A:663:GLN:CG	2.35	0.40
1:A:761:ASN:OD1	1:A:761:ASN:N	2.54	0.40
1:A:827:ARG:HD3	1:A:827:ARG:C	2.46	0.40
1:A:851:THR:HG21	1:A:853:ARG:HB2	2.00	0.40
1:A:905:ALA:HA	1:A:910:MET:HA	2.02	0.40
1:A:905:ALA:HB1	1:A:1169:GLY:HA2	2.03	0.40
1:A:1130:CYS:C	1:A:1131:ILE:HG22	2.46	0.40
2:B:265:LYS:O	2:B:266:PHE:CB	2.69	0.40
2:B:293:PHE:O	2:B:294:PRO:C	2.65	0.40
2:B:420:THR:O	2:B:420:THR:OG1	2.32	0.40
2:B:456:ARG:HB3	2:B:457:SER:H	1.70	0.40
2:C:240:VAL:O	2:C:336:LEU:HD13	2.21	0.40
2:C:335:VAL:O	2:C:335:VAL:HG13	2.20	0.40
2:C:385:LEU:HD21	2:C:402:LEU:CD2	2.39	0.40
2:C:476:ILE:HD13	2:C:477:LYS:CG	2.50	0.40
1:D:83:LEU:O	1:D:84:HIS:C	2.65	0.40
1:D:148:LEU:HA	1:D:148:LEU:HD23	1.88	0.40
1:D:307:PHE:CA	1:D:310:SER:OG	2.67	0.40
1:D:421:PRO:CG	1:D:422:VAL:H	2.32	0.40
1:D:484:TRP:CE2	1:D:488:LEU:HD11	2.56	0.40
1:D:508:ALA:C	1:D:509:THR:O	2.60	0.40
1:D:513:LEU:H	1:D:570:PRO:HD3	1.85	0.40
1:D:603:MET:HB3	1:D:605:LEU:HD23	2.00	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:606:THR:CG2	1:D:611:PRO:O	2.69	0.40
1:D:614:TYR:CE2	1:D:620:TRP:CD2	3.08	0.40
1:D:630:ASN:ND2	1:D:632:ALA:N	2.69	0.40
1:D:1056:GLU:C	1:D:1057:MET:HE3	2.46	0.40
2:E:70:LEU:O	2:E:71:GLU:C	2.63	0.40
2:E:370:LYS:HB3	2:E:370:LYS:HE3	1.65	0.40
2:E:373:LYS:HD2	2:E:459:ASP:CG	2.46	0.40
2:E:448:LEU:C	2:E:450:ASN:N	2.80	0.40
2:F:111:ALA:O	2:F:115:TRP:CB	2.70	0.40
2:F:180:LYS:HE3	2:F:180:LYS:CA	2.47	0.40
2:F:254:PHE:HA	2:F:257:ARG:HD3	2.03	0.40
2:F:326:ASP:CG	2:F:329:LYS:H	2.17	0.40
1:A:244:LEU:HD23	1:A:244:LEU:HA	1.81	0.40
1:A:606:THR:O	1:A:607:TRP:CD1	2.75	0.40
1:A:612:LEU:CD2	1:A:614:TYR:N	2.83	0.40
1:A:617:ARG:O	1:A:762:VAL:CG2	2.60	0.40
1:A:659:HIS:CD2	1:A:716:PRO:O	2.75	0.40
1:A:903:GLY:N	1:A:1002:GLU:HB3	2.32	0.40
1:A:1111:LEU:HB3	1:A:1160:THR:HG23	2.03	0.40
2:B:185:LEU:HB3	2:B:214:CYS:SG	2.61	0.40
2:B:249:ASN:C	2:B:252:LEU:HB2	2.46	0.40
2:B:375:HIS:ND1	2:B:378:LEU:HD13	2.37	0.40
2:B:393:LEU:O	2:B:396:ARG:HB3	2.21	0.40
2:C:180:LYS:C	2:C:181:LEU:HD23	2.47	0.40
2:C:339:ASN:C	2:C:340:GLY:O	2.64	0.40
2:C:368:HIS:O	2:C:368:HIS:CG	2.75	0.40
2:C:368:HIS:O	2:C:368:HIS:ND1	2.55	0.40
2:C:436:SER:O	2:C:437:ILE:C	2.63	0.40
2:C:437:ILE:O	2:C:437:ILE:HG13	2.21	0.40
2:C:470:LYS:N	2:C:471:LEU:HD12	2.36	0.40
1:D:197:PHE:CZ	1:D:219:ALA:CB	3.04	0.40
1:D:282:TYR:HE2	1:D:432:VAL:CB	2.34	0.40
1:D:371:LYS:CD	1:D:392:LEU:CD2	2.98	0.40
1:D:536:GLU:H	1:D:536:GLU:HG2	1.78	0.40
1:D:584:ALA:HB1	1:D:585:TRP:CZ3	2.57	0.40
1:D:624:VAL:HB	1:D:747:CYS:SG	2.62	0.40
1:D:780:GLN:OE1	1:D:781:ALA:N	2.49	0.40
1:D:848:GLY:O	1:D:855:VAL:HG22	2.21	0.40
1:D:933:SER:O	1:D:935:THR:N	2.54	0.40
1:D:943:ARG:O	1:D:944:GLU:C	2.65	0.40
1:D:1045:ALA:C	1:D:1047:ARG:N	2.76	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1067:SER:CA	1:D:1071:ARG:CA	2.82	0.40
1:D:1136:GLU:C	1:D:1137:VAL:CG2	2.94	0.40
1:D:1219:ASP:O	1:D:1220:ILE:C	2.65	0.40
2:E:78:PHE:CE1	2:E:350:LEU:CD1	3.04	0.40
2:E:280:ASP:N	2:E:304:TRP:CH2	2.90	0.40
2:E:403:PHE:HA	2:E:413:VAL:HG11	2.04	0.40
2:F:82:SER:C	2:F:86:LEU:CD2	2.94	0.40
2:F:381:ILE:CB	2:F:437:ILE:HG22	2.52	0.40
2:F:406:LEU:HD13	2:F:406:LEU:H	1.87	0.40

All (10) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:673:ALA:O	2:F:318:ASN:O[2_734]	1.91	0.29
1:A:673:ALA:C	2:F:318:ASN:O[2_734]	1.98	0.22
1:A:1034:ARG:NE	2:F:450:ASN:ND2[1_545]	2.04	0.16
1:A:994:TRP:NE1	1:D:522:GLY:N[1_545]	2.06	0.14
1:D:1232:GLU:OE2	2:F:223:GLN:OE1[2_844]	2.11	0.09
2:C:450:ASN:ND2	1:D:1034:ARG:NH2[1_445]	2.12	0.08
1:A:518:ALA:O	1:D:993:ARG:O[1_445]	2.13	0.07
1:A:727:ASP:OD1	1:D:133:ASP:O[1_445]	2.16	0.04
1:A:133:ASP:OD1	1:D:727:ASP:OD2[1_545]	2.19	0.01
1:A:993:ARG:NH2	1:D:520:ALA:O[1_545]	2.19	0.01

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	1085/1172 (93%)	629 (58%)	254 (23%)	202 (19%)	0 0
1	D	1086/1172 (93%)	645 (59%)	234 (22%)	207 (19%)	0 0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	B	349/427 (82%)	205 (59%)	94 (27%)	50 (14%)	0	1
2	C	394/427 (92%)	254 (64%)	84 (21%)	56 (14%)	0	1
2	E	349/427 (82%)	219 (63%)	79 (23%)	51 (15%)	0	1
2	F	394/427 (92%)	251 (64%)	93 (24%)	50 (13%)	0	1
All	All	3657/4052 (90%)	2203 (60%)	838 (23%)	616 (17%)	0	0

All (616) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	72	ASN
1	A	76	ILE
1	A	96	GLY
1	A	163	PRO
1	A	169	TRP
1	A	170	ALA
1	A	176	THR
1	A	184	ALA
1	A	185	VAL
1	A	189	ILE
1	A	205	GLU
1	A	211	LEU
1	A	216	SER
1	A	217	PRO
1	A	231	GLU
1	A	232	ARG
1	A	234	SER
1	A	240	SER
1	A	253	ALA
1	A	255	SER
1	A	271	VAL
1	A	273	PHE
1	A	287	SER
1	A	348	LEU
1	A	353	VAL
1	A	354	ASN
1	A	355	SER
1	A	369	PRO
1	A	372	GLU
1	A	378	VAL
1	A	419	PRO
1	A	436	PRO

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	437	VAL
1	A	463	LEU
1	A	482	ASP
1	A	499	LYS
1	A	500	ALA
1	A	503	VAL
1	A	527	GLN
1	A	540	GLN
1	A	559	LEU
1	A	573	TYR
1	A	583	PRO
1	A	588	GLY
1	A	589	PRO
1	A	598	VAL
1	A	610	PHE
1	A	611	PRO
1	A	612	LEU
1	A	614	TYR
1	A	626	GLY
1	A	628	ARG
1	A	634	LEU
1	A	635	PRO
1	A	712	VAL
1	A	727	ASP
1	A	728	THR
1	A	731	SER
1	A	738	PRO
1	A	744	ILE
1	A	758	ASN
1	A	768	LYS
1	A	869	ARG
1	A	880	ALA
1	A	900	ALA
1	A	915	ALA
1	A	920	THR
1	A	927	ARG
1	A	939	VAL
1	A	959	GLN
1	A	1020	ILE
1	A	1032	THR
1	A	1034	ARG
1	A	1059	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	1069	ILE
1	A	1070	PRO
1	A	1125	ILE
1	A	1131	ILE
1	A	1170	LEU
1	A	1171	ASN
1	A	1192	GLU
1	A	1193	VAL
1	A	1200	PRO
1	A	1206	MET
1	A	1208	ARG
1	A	1213	PRO
1	A	1214	GLN
1	A	1219	ASP
1	A	1236	GLN
2	B	77	HIS
2	B	79	LEU
2	B	101	PRO
2	B	123	GLU
2	B	205	PRO
2	B	216	HIS
2	B	217	PRO
2	B	246	ARG
2	B	258	HIS
2	B	262	TRP
2	B	280	ASP
2	B	281	GLU
2	B	284	ARG
2	B	285	LYS
2	B	323	HIS
2	B	376	PRO
2	B	391	PRO
2	B	437	ILE
2	C	83	LYS
2	C	122	ARG
2	C	134	LYS
2	C	145	PHE
2	C	178	SER
2	C	204	LEU
2	C	205	PRO
2	C	223	GLN
2	C	257	ARG

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	C	319	VAL
2	C	342	LEU
2	C	352	ASP
2	C	353	SER
2	C	356	LEU
2	C	398	VAL
2	C	415	PRO
2	C	438	LEU
2	C	449	GLU
2	C	452	LEU
2	C	456	ARG
2	C	460	THR
1	D	73	PRO
1	D	81	ARG
1	D	116	PRO
1	D	163	PRO
1	D	167	PRO
1	D	168	ALA
1	D	171	TRP
1	D	173	GLU
1	D	193	ARG
1	D	205	GLU
1	D	211	LEU
1	D	212	ALA
1	D	213	VAL
1	D	219	ALA
1	D	221	TYR
1	D	234	SER
1	D	248	GLU
1	D	249	VAL
1	D	255	SER
1	D	303	GLY
1	D	350	ILE
1	D	364	VAL
1	D	368	PRO
1	D	372	GLU
1	D	378	VAL
1	D	419	PRO
1	D	433	SER
1	D	482	ASP
1	D	492	LEU
1	D	504	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	511	SER
1	D	517	GLY
1	D	521	PRO
1	D	523	ASP
1	D	530	LEU
1	D	540	GLN
1	D	559	LEU
1	D	577	CYS
1	D	589	PRO
1	D	597	ARG
1	D	598	VAL
1	D	599	THR
1	D	610	PHE
1	D	611	PRO
1	D	612	LEU
1	D	614	TYR
1	D	628	ARG
1	D	643	ALA
1	D	646	VAL
1	D	647	CYS
1	D	710	ALA
1	D	712	VAL
1	D	713	PRO
1	D	727	ASP
1	D	728	THR
1	D	735	GLY
1	D	736	ASN
1	D	742	VAL
1	D	744	ILE
1	D	753	PRO
1	D	762	VAL
1	D	776	ASP
1	D	781	ALA
1	D	783	PRO
1	D	787	SER
1	D	829	PRO
1	D	869	ARG
1	D	890	ASP
1	D	891	VAL
1	D	913	CYS
1	D	925	LYS
1	D	939	VAL

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	956	GLY
1	D	959	GLN
1	D	974	THR
1	D	992	LEU
1	D	1027	LYS
1	D	1069	ILE
1	D	1073	PRO
1	D	1174	PRO
1	D	1176	SER
1	D	1180	PHE
1	D	1203	PRO
1	D	1232	GLU
1	D	1236	GLN
2	E	70	LEU
2	E	87	SER
2	E	239	LEU
2	E	248	SER
2	E	281	GLU
2	E	294	PRO
2	E	309	HIS
2	E	314	MET
2	E	316	PRO
2	E	319	VAL
2	E	323	HIS
2	E	330	ASN
2	E	331	VAL
2	E	375	HIS
2	E	376	PRO
2	E	384	ALA
2	E	385	LEU
2	E	420	THR
2	E	432	TYR
2	E	449	GLU
2	F	83	LYS
2	F	87	SER
2	F	134	LYS
2	F	139	LEU
2	F	145	PHE
2	F	178	SER
2	F	223	GLN
2	F	319	VAL
2	F	341	ASP

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	F	352	ASP
2	F	356	LEU
2	F	360	SER
2	F	365	LYS
2	F	389	ARG
2	F	415	PRO
2	F	453	ILE
2	F	456	ARG
2	F	460	THR
1	A	73	PRO
1	A	84	HIS
1	A	132	GLY
1	A	171	TRP
1	A	238	GLN
1	A	262	GLN
1	A	283	LEU
1	A	292	LEU
1	A	371	LYS
1	A	383	LYS
1	A	470	ALA
1	A	507	PRO
1	A	508	ALA
1	A	517	GLY
1	A	561	LYS
1	A	576	LEU
1	A	596	MET
1	A	607	TRP
1	A	613	HIS
1	A	617	ARG
1	A	639	THR
1	A	659	HIS
1	A	719	LEU
1	A	735	GLY
1	A	762	VAL
1	A	813	VAL
1	A	864	ASN
1	A	923	GLY
1	A	940	GLY
1	A	1018	GLY
1	A	1021	SER
1	A	1052	GLY
1	A	1094	THR

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	1122	GLU
1	A	1145	ASP
1	A	1228	LYS
1	A	1232	GLU
2	B	88	ARG
2	B	117	SER
2	B	179	GLY
2	B	265	LYS
2	B	282	GLU
2	B	309	HIS
2	B	312	LEU
2	B	343	ASP
2	B	353	SER
2	B	354	PHE
2	B	377	CYS
2	B	410	GLY
2	B	436	SER
2	B	441	VAL
2	B	469	SER
2	C	88	ARG
2	C	248	SER
2	C	300	ILE
2	C	321	LYS
2	C	328	ARG
2	C	340	GLY
2	C	351	TYR
2	C	445	GLU
2	C	451	GLY
2	C	453	ILE
2	C	458	ARG
1	D	78	MET
1	D	130	LEU
1	D	174	GLY
1	D	218	SER
1	D	220	TRP
1	D	223	TRP
1	D	292	LEU
1	D	371	LYS
1	D	392	LEU
1	D	421	PRO
1	D	469	ASP
1	D	510	ALA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	519	GLY
1	D	525	MET
1	D	529	ASP
1	D	588	GLY
1	D	609	GLY
1	D	624	VAL
1	D	656	TYR
1	D	758	ASN
1	D	802	ARG
1	D	810	SER
1	D	855	VAL
1	D	868	ASP
1	D	877	MET
1	D	880	ALA
1	D	920	THR
1	D	940	GLY
1	D	1000	GLU
1	D	1021	SER
1	D	1025	LEU
1	D	1034	ARG
1	D	1042	GLU
1	D	1062	GLU
1	D	1066	THR
1	D	1068	ASP
1	D	1171	ASN
1	D	1172	ASP
1	D	1193	VAL
1	D	1220	ILE
1	D	1238	GLY
2	E	82	SER
2	E	85	GLN
2	E	94	GLY
2	E	116	THR
2	E	117	SER
2	E	231	ILE
2	E	264	ARG
2	E	298	GLU
2	E	311	LEU
2	E	401	GLY
2	E	405	GLU
2	E	408	GLU
2	E	469	SER

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	F	122	ARG
2	F	125	VAL
2	F	182	ARG
2	F	200	VAL
2	F	220	ASP
2	F	257	ARG
2	F	300	ILE
2	F	342	LEU
2	F	353	SER
2	F	438	LEU
2	F	455	LEU
1	A	123	VAL
1	A	233	TYR
1	A	239	LEU
1	A	393	MET
1	A	570	PRO
1	A	587	PRO
1	A	716	PRO
1	A	726	LYS
1	A	763	GLY
1	A	777	GLY
1	A	787	SER
1	A	805	HIS
1	A	922	GLN
1	A	990	LYS
1	A	1000	GLU
1	A	1037	GLN
1	A	1038	TRP
1	A	1042	GLU
1	A	1071	ARG
1	A	1095	SER
1	A	1195	MET
1	A	1212	ILE
2	B	75	ARG
2	B	199	LEU
2	B	247	THR
2	B	267	ALA
2	B	283	GLY
2	B	349	TYR
2	C	137	PRO
2	C	220	ASP
2	C	368	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	C	423	SER
2	C	425	LEU
2	C	448	LEU
1	D	84	HIS
1	D	183	GLU
1	D	254	SER
1	D	278	ILE
1	D	306	SER
1	D	470	ALA
1	D	527	GLN
1	D	560	PRO
1	D	578	PRO
1	D	579	ARG
1	D	627	ARG
1	D	719	LEU
1	D	731	SER
1	D	811	GLN
1	D	876	ALA
1	D	1020	ILE
1	D	1026	ARG
1	D	1037	GLN
1	D	1040	LYS
1	D	1094	THR
1	D	1128	ARG
1	D	1162	CYS
1	D	1181	SER
1	D	1191	LYS
1	D	1196	ASP
2	E	203	ARG
2	E	328	ARG
2	E	382	LYS
2	F	137	PRO
2	F	328	ARG
2	F	403	PHE
2	F	436	SER
2	F	452	LEU
2	F	484	ASN
1	A	162	LEU
1	A	397	ALA
1	A	412	PRO
1	A	501	LYS
1	A	577	CYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	633	LYS
1	A	722	ARG
1	A	742	VAL
1	A	802	ARG
1	A	817	PRO
1	A	868	ASP
1	A	973	LEU
1	A	1043	VAL
1	A	1068	ASP
1	A	1129	PHE
1	A	1167	LYS
1	A	1199	THR
2	B	214	CYS
2	C	140	PRO
2	C	182	ARG
2	C	189	ALA
2	C	200	VAL
2	C	226	ASN
2	C	270	PRO
2	C	299	LEU
2	C	392	THR
2	C	419	GLU
2	C	478	TYR
2	C	484	ASN
1	D	97	GLU
1	D	119	PRO
1	D	165	LYS
1	D	179	GLY
1	D	210	THR
1	D	259	ARG
1	D	271	VAL
1	D	287	SER
1	D	500	ALA
1	D	520	ALA
1	D	625	PRO
1	D	632	ALA
1	D	655	LEU
1	D	672	GLU
1	D	715	GLN
1	D	723	GLY
1	D	730	PRO
1	D	922	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	995	TYR
1	D	1035	LYS
1	D	1108	TYR
1	D	1134	HIS
1	D	1192	GLU
2	E	77	HIS
2	E	88	ARG
2	E	121	PHE
2	E	215	PHE
2	E	240	VAL
2	E	285	LYS
2	E	292	ASN
2	F	77	HIS
2	F	140	PRO
2	F	217	PRO
2	F	248	SER
2	F	280	ASP
2	F	423	SER
2	F	451	GLY
2	F	478	TYR
1	A	71	HIS
1	A	248	GLU
1	A	380	GLY
1	A	421	PRO
1	A	462	SER
1	A	464	MET
1	A	506	GLU
1	A	568	GLY
1	A	625	PRO
1	A	646	VAL
1	A	660	CYS
1	A	717	LEU
1	A	830	ASP
1	A	908	ALA
1	A	910	MET
1	A	1062	GLU
1	A	1092	PHE
1	A	1182	ALA
2	B	201	ASN
2	B	316	PRO
2	B	413	VAL
2	B	484	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	C	110	LEU
2	C	124	GLN
2	C	280	ASP
2	C	389	ARG
1	D	169	TRP
1	D	177	ARG
1	D	184	ALA
1	D	191	GLU
1	D	279	ARG
1	D	405	GLU
1	D	477	GLU
1	D	562	ARG
1	D	633	LYS
1	D	780	GLN
1	D	882	PRO
1	D	941	ILE
1	D	1118	TRP
1	D	1122	GLU
2	E	210	GLN
2	E	272	ASN
2	E	280	ASP
2	E	372	LEU
2	E	423	SER
2	F	121	PHE
2	F	130	ALA
2	F	138	LEU
2	F	351	TYR
1	A	857	PRO
1	A	1093	MET
1	A	1207	GLU
2	B	270	PRO
2	B	297	LYS
2	C	125	VAL
1	D	128	PRO
1	D	569	HIS
1	D	572	TRP
1	D	853	ARG
1	D	1103	SER
1	A	128	PRO
1	A	215	ILE
1	A	645	VAL
1	D	166	PRO

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	411	LEU
1	D	881	PRO
1	D	1205	GLY
2	F	204	LEU
1	A	87	ILE
1	A	871	GLY
1	A	878	VAL
1	A	1010	LEU
1	A	1127	GLY
2	B	327	GLY
1	D	267	VAL
1	D	406	VAL
1	D	436	PRO
1	D	563	PRO
1	D	1155	ILE
1	D	1211	GLY
2	F	128	VAL
1	A	366	VAL
1	A	432	VAL
1	A	515	ILE
1	A	715	GLN
2	B	307	GLY
2	B	380	PRO
2	C	120	VAL
2	C	414	TRP
1	D	1137	VAL
2	F	414	TRP
1	A	560	PRO
1	A	621	GLY
1	A	855	VAL
2	B	213	VAL
1	D	435	LEU
1	D	817	PRO
2	E	135	PRO
2	E	179	GLY
2	E	200	VAL
1	D	648	PRO
1	A	753	PRO

5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	918/988 (93%)	590 (64%)	328 (36%)	0	0
1	D	919/988 (93%)	572 (62%)	347 (38%)	0	0
2	B	317/380 (83%)	260 (82%)	57 (18%)	2	8
2	C	350/380 (92%)	253 (72%)	97 (28%)	0	2
2	E	317/380 (83%)	265 (84%)	52 (16%)	2	10
2	F	350/380 (92%)	242 (69%)	108 (31%)	0	1
All	All	3171/3496 (91%)	2182 (69%)	989 (31%)	0	1

All (989) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	78	MET
1	A	83	LEU
1	A	86	GLN
1	A	90	GLN
1	A	93	GLU
1	A	94	MET
1	A	97	GLU
1	A	101	ARG
1	A	102	ARG
1	A	104	VAL
1	A	107	LEU
1	A	109	LYS
1	A	120	LEU
1	A	125	LEU
1	A	128	PRO
1	A	130	LEU
1	A	131	TYR
1	A	135	LEU
1	A	138	HIS
1	A	141	LEU
1	A	146	GLN
1	A	156	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	157	LEU
1	A	161	GLN
1	A	169	TRP
1	A	177	ARG
1	A	183	GLU
1	A	187	VAL
1	A	190	PRO
1	A	193	ARG
1	A	195	LEU
1	A	197	PHE
1	A	201	VAL
1	A	202	CYS
1	A	208	CYS
1	A	211	LEU
1	A	215	ILE
1	A	216	SER
1	A	217	PRO
1	A	220	TRP
1	A	223	TRP
1	A	224	CYS
1	A	226	GLN
1	A	228	LEU
1	A	236	THR
1	A	238	GLN
1	A	246	PRO
1	A	247	LEU
1	A	248	GLU
1	A	250	PRO
1	A	259	ARG
1	A	260	ASP
1	A	261	TRP
1	A	262	GLN
1	A	263	GLU
1	A	265	LEU
1	A	267	VAL
1	A	270	ASN
1	A	271	VAL
1	A	272	SER
1	A	275	ARG
1	A	279	ARG
1	A	288	ARG
1	A	293	ASP

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	294	THR
1	A	295	MET
1	A	298	HIS
1	A	307	PHE
1	A	308	GLN
1	A	311	LEU
1	A	312	TRP
1	A	313	ILE
1	A	346	ASP
1	A	350	ILE
1	A	351	SER
1	A	352	SER
1	A	354	ASN
1	A	356	ASN
1	A	358	LEU
1	A	361	VAL
1	A	364	LEU
1	A	365	TYR
1	A	366	VAL
1	A	369	PRO
1	A	372	GLU
1	A	374	ARG
1	A	376	LEU
1	A	377	PHE
1	A	384	ASP
1	A	388	ASN
1	A	389	PHE
1	A	393	MET
1	A	394	GLN
1	A	398	GLN
1	A	403	THR
1	A	406	VAL
1	A	415	LEU
1	A	416	GLU
1	A	417	ARG
1	A	422	VAL
1	A	424	LEU
1	A	428	LEU
1	A	429	GLU
1	A	430	MET
1	A	436	PRO
1	A	441	TRP

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	442	GLU
1	A	445	LEU
1	A	451	THR
1	A	453	GLU
1	A	457	ARG
1	A	460	LYS
1	A	463	LEU
1	A	465	ASP
1	A	466	LEU
1	A	473	LEU
1	A	474	LEU
1	A	477	GLU
1	A	481	GLU
1	A	482	ASP
1	A	484	TRP
1	A	485	LEU
1	A	487	ASP
1	A	488	LEU
1	A	491	ASP
1	A	494	GLU
1	A	496	LYS
1	A	498	LYS
1	A	501	LYS
1	A	502	LYS
1	A	506	GLU
1	A	512	LYS
1	A	513	LEU
1	A	524	PRO
1	A	526	ASP
1	A	527	GLN
1	A	528	GLU
1	A	535	GLU
1	A	536	GLU
1	A	544	MET
1	A	549	LEU
1	A	557	GLU
1	A	558	LEU
1	A	559	LEU
1	A	560	PRO
1	A	561	LYS
1	A	564	GLN
1	A	566	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	567	PRO
1	A	569	HIS
1	A	572	TRP
1	A	576	LEU
1	A	577	CYS
1	A	579	ARG
1	A	583	PRO
1	A	585	TRP
1	A	586	THR
1	A	587	PRO
1	A	591	LEU
1	A	592	LEU
1	A	594	LEU
1	A	595	GLN
1	A	596	MET
1	A	597	ARG
1	A	601	LYS
1	A	607	TRP
1	A	608	ASP
1	A	610	PHE
1	A	611	PRO
1	A	612	LEU
1	A	618	HIS
1	A	620	TRP
1	A	624	VAL
1	A	627	ARG
1	A	628	ARG
1	A	631	LEU
1	A	633	LYS
1	A	634	LEU
1	A	636	THR
1	A	639	THR
1	A	640	LEU
1	A	655	LEU
1	A	660	CYS
1	A	661	LEU
1	A	662	GLU
1	A	666	GLN
1	A	668	LEU
1	A	672	GLU
1	A	712	VAL
1	A	719	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	727	ASP
1	A	733	HIS
1	A	734	HIS
1	A	736	ASN
1	A	738	PRO
1	A	741	ASP
1	A	744	ILE
1	A	752	LEU
1	A	754	HIS
1	A	755	LYS
1	A	758	ASN
1	A	771	LEU
1	A	776	ASP
1	A	778	THR
1	A	779	LEU
1	A	792	LEU
1	A	795	ASN
1	A	798	ILE
1	A	803	ASN
1	A	805	HIS
1	A	810	SER
1	A	812	MET
1	A	813	VAL
1	A	817	PRO
1	A	826	ILE
1	A	827	ARG
1	A	831	TYR
1	A	833	GLU
1	A	840	ILE
1	A	844	VAL
1	A	850	ILE
1	A	851	THR
1	A	858	THR
1	A	864	ASN
1	A	866	ARG
1	A	870	VAL
1	A	877	MET
1	A	878	VAL
1	A	879	GLN
1	A	884	TYR
1	A	885	THR
1	A	886	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	890	ASP
1	A	891	VAL
1	A	892	ASP
1	A	894	GLN
1	A	898	ILE
1	A	904	ASP
1	A	906	HIS
1	A	911	HIS
1	A	913	CYS
1	A	916	PHE
1	A	919	MET
1	A	921	LEU
1	A	922	GLN
1	A	924	ARG
1	A	927	ARG
1	A	930	ASP
1	A	931	LEU
1	A	933	SER
1	A	935	THR
1	A	941	ILE
1	A	948	ILE
1	A	949	PHE
1	A	954	ILE
1	A	961	PHE
1	A	963	GLU
1	A	966	LEU
1	A	968	GLN
1	A	973	LEU
1	A	989	THR
1	A	992	LEU
1	A	997	LEU
1	A	1002	GLU
1	A	1006	ARG
1	A	1008	LEU
1	A	1011	PRO
1	A	1014	ARG
1	A	1015	THR
1	A	1016	GLU
1	A	1027	LYS
1	A	1028	VAL
1	A	1029	GLN
1	A	1031	GLU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	1041	TRP
1	A	1044	VAL
1	A	1047	ARG
1	A	1049	TRP
1	A	1056	GLU
1	A	1064	ILE
1	A	1066	THR
1	A	1069	ILE
1	A	1100	VAL
1	A	1102	GLN
1	A	1109	LEU
1	A	1112	MET
1	A	1113	LEU
1	A	1116	MET
1	A	1125	ILE
1	A	1126	ASP
1	A	1130	CYS
1	A	1133	ILE
1	A	1140	LEU
1	A	1144	GLU
1	A	1145	ASP
1	A	1148	ARG
1	A	1153	LEU
1	A	1154	GLN
1	A	1156	THR
1	A	1160	THR
1	A	1166	TYR
1	A	1170	LEU
1	A	1171	ASN
1	A	1172	ASP
1	A	1177	VAL
1	A	1180	PHE
1	A	1191	LYS
1	A	1193	VAL
1	A	1195	MET
1	A	1197	CYS
1	A	1198	LYS
1	A	1202	ASN
1	A	1206	MET
1	A	1209	ARG
1	A	1210	TYR
1	A	1213	PRO

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	1214	GLN
1	A	1218	LEU
1	A	1220	ILE
1	A	1223	ILE
1	A	1224	ILE
1	A	1225	GLU
1	A	1226	LEU
1	A	1227	THR
1	A	1231	LEU
1	A	1233	LYS
1	A	1236	GLN
1	A	1237	PRO
2	B	70	LEU
2	B	74	GLN
2	B	77	HIS
2	B	83	LYS
2	B	84	GLN
2	B	86	LEU
2	B	101	PRO
2	B	105	GLU
2	B	109	ASN
2	B	118	VAL
2	B	123	GLU
2	B	184	ASN
2	B	203	ARG
2	B	205	PRO
2	B	208	LEU
2	B	210	GLN
2	B	230	SER
2	B	231	ILE
2	B	234	LYS
2	B	236	GLU
2	B	246	ARG
2	B	252	LEU
2	B	254	PHE
2	B	260	LEU
2	B	262	TRP
2	B	264	ARG
2	B	272	ASN
2	B	281	GLU
2	B	284	ARG
2	B	298	GLU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	B	299	LEU
2	B	304	TRP
2	B	311	LEU
2	B	312	LEU
2	B	313	HIS
2	B	316	PRO
2	B	318	ASN
2	B	325	ARG
2	B	331	VAL
2	B	332	VAL
2	B	344	ARG
2	B	346	MET
2	B	347	LEU
2	B	349	TYR
2	B	352	ASP
2	B	380	PRO
2	B	381	ILE
2	B	400	GLN
2	B	411	ILE
2	B	413	VAL
2	B	418	LEU
2	B	429	TYR
2	B	431	LYS
2	B	441	VAL
2	B	453	ILE
2	B	454	HIS
2	B	472	LYS
2	C	76	ARG
2	C	79	LEU
2	C	86	LEU
2	C	88	ARG
2	C	89	ASP
2	C	91	LEU
2	C	92	LEU
2	C	99	PHE
2	C	116	THR
2	C	117	SER
2	C	118	VAL
2	C	120	VAL
2	C	124	GLN
2	C	125	VAL
2	C	128	VAL

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	C	131	LEU
2	C	132	HIS
2	C	133	HIS
2	C	180	LYS
2	C	182	ARG
2	C	186	LEU
2	C	197	LEU
2	C	198	ASP
2	C	199	LEU
2	C	205	PRO
2	C	206	TYR
2	C	208	LEU
2	C	210	GLN
2	C	213	VAL
2	C	214	CYS
2	C	215	PHE
2	C	218	VAL
2	C	224	ILE
2	C	226	ASN
2	C	231	ILE
2	C	236	GLU
2	C	244	PRO
2	C	245	PRO
2	C	246	ARG
2	C	247	THR
2	C	251	TRP
2	C	254	PHE
2	C	256	LEU
2	C	279	GLN
2	C	281	GLU
2	C	285	LYS
2	C	298	GLU
2	C	299	LEU
2	C	308	ASP
2	C	309	HIS
2	C	310	GLU
2	C	312	LEU
2	C	314	MET
2	C	320	SER
2	C	321	LYS
2	C	322	LEU
2	C	325	ARG

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	C	328	ARG
2	C	330	ASN
2	C	331	VAL
2	C	335	VAL
2	C	337	SER
2	C	342	LEU
2	C	350	LEU
2	C	351	TYR
2	C	356	LEU
2	C	357	THR
2	C	364	LYS
2	C	367	LEU
2	C	369	ARG
2	C	385	LEU
2	C	387	VAL
2	C	389	ARG
2	C	394	GLU
2	C	395	LEU
2	C	396	ARG
2	C	399	CYS
2	C	400	GLN
2	C	402	LEU
2	C	403	PHE
2	C	406	LEU
2	C	407	LEU
2	C	417	TYR
2	C	431	LYS
2	C	435	MET
2	C	439	PHE
2	C	448	LEU
2	C	457	SER
2	C	458	ARG
2	C	464	GLU
2	C	468	ILE
2	C	471	LEU
2	C	474	PHE
2	C	475	LEU
2	C	476	ILE
2	C	483	LYS
2	C	485	VAL
1	D	70	ARG
1	D	76	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	77	GLN
1	D	79	LEU
1	D	81	ARG
1	D	83	LEU
1	D	85	GLU
1	D	86	GLN
1	D	87	ILE
1	D	90	GLN
1	D	97	GLU
1	D	101	ARG
1	D	104	VAL
1	D	107	LEU
1	D	113	TRP
1	D	118	VAL
1	D	120	LEU
1	D	122	ASP
1	D	125	LEU
1	D	127	LEU
1	D	130	LEU
1	D	133	ASP
1	D	135	LEU
1	D	136	ASP
1	D	140	ARG
1	D	144	GLN
1	D	145	LYS
1	D	146	GLN
1	D	149	PRO
1	D	157	LEU
1	D	161	GLN
1	D	162	LEU
1	D	169	TRP
1	D	175	TRP
1	D	176	THR
1	D	181	GLU
1	D	185	VAL
1	D	187	VAL
1	D	189	ILE
1	D	191	GLU
1	D	193	ARG
1	D	196	VAL
1	D	201	VAL
1	D	202	CYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	203	LEU
1	D	205	GLU
1	D	208	CYS
1	D	211	LEU
1	D	216	SER
1	D	217	PRO
1	D	218	SER
1	D	220	TRP
1	D	223	TRP
1	D	225	SER
1	D	226	GLN
1	D	227	ARG
1	D	228	LEU
1	D	232	ARG
1	D	236	THR
1	D	239	LEU
1	D	243	ASP
1	D	244	LEU
1	D	247	LEU
1	D	249	VAL
1	D	256	PRO
1	D	258	GLN
1	D	259	ARG
1	D	265	LEU
1	D	267	VAL
1	D	269	HIS
1	D	284	ILE
1	D	285	GLN
1	D	288	ARG
1	D	289	MET
1	D	293	ASP
1	D	297	MET
1	D	298	HIS
1	D	301	ILE
1	D	305	SER
1	D	307	PHE
1	D	308	GLN
1	D	313	ILE
1	D	316	LYS
1	D	317	GLN
1	D	348	LEU
1	D	352	SER

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	353	VAL
1	D	362	LEU
1	D	371	LYS
1	D	374	ARG
1	D	379	LYS
1	D	384	ASP
1	D	386	ARG
1	D	389	PHE
1	D	390	GLN
1	D	391	ASP
1	D	394	GLN
1	D	395	TYR
1	D	403	THR
1	D	405	GLU
1	D	406	VAL
1	D	407	PHE
1	D	411	LEU
1	D	415	LEU
1	D	416	GLU
1	D	417	ARG
1	D	419	PRO
1	D	420	HIS
1	D	424	LEU
1	D	428	LEU
1	D	429	GLU
1	D	430	MET
1	D	435	LEU
1	D	436	PRO
1	D	438	ASN
1	D	439	GLN
1	D	441	TRP
1	D	442	GLU
1	D	445	LEU
1	D	447	GLU
1	D	457	ARG
1	D	460	LYS
1	D	461	LYS
1	D	463	LEU
1	D	466	LEU
1	D	469	ASP
1	D	471	CYS
1	D	474	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	479	TYR
1	D	484	TRP
1	D	488	LEU
1	D	491	ASP
1	D	493	GLN
1	D	494	GLU
1	D	496	LYS
1	D	499	LYS
1	D	501	LYS
1	D	503	VAL
1	D	504	LYS
1	D	524	PRO
1	D	527	GLN
1	D	543	VAL
1	D	544	MET
1	D	550	GLN
1	D	551	LYS
1	D	557	GLU
1	D	558	LEU
1	D	560	PRO
1	D	564	GLN
1	D	565	HIS
1	D	576	LEU
1	D	581	ASP
1	D	585	TRP
1	D	592	LEU
1	D	594	LEU
1	D	595	GLN
1	D	597	ARG
1	D	601	LYS
1	D	602	LEU
1	D	606	THR
1	D	612	LEU
1	D	615	SER
1	D	617	ARG
1	D	620	TRP
1	D	627	ARG
1	D	631	LEU
1	D	638	THR
1	D	645	VAL
1	D	646	VAL
1	D	647	CYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	649	TYR
1	D	652	ILE
1	D	653	GLU
1	D	654	SER
1	D	655	LEU
1	D	660	CYS
1	D	661	LEU
1	D	666	GLN
1	D	667	GLN
1	D	668	LEU
1	D	671	GLN
1	D	713	PRO
1	D	716	PRO
1	D	717	LEU
1	D	719	LEU
1	D	722	ARG
1	D	726	LYS
1	D	732	TYR
1	D	733	HIS
1	D	736	ASN
1	D	740	ASN
1	D	742	VAL
1	D	744	ILE
1	D	745	PRO
1	D	748	TRP
1	D	753	PRO
1	D	754	HIS
1	D	755	LYS
1	D	756	ASP
1	D	758	ASN
1	D	760	CYS
1	D	761	ASN
1	D	768	LYS
1	D	773	LYS
1	D	776	ASP
1	D	778	THR
1	D	779	LEU
1	D	780	GLN
1	D	795	ASN
1	D	797	MET
1	D	801	TRP
1	D	803	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	805	HIS
1	D	807	ARG
1	D	809	SER
1	D	812	MET
1	D	813	VAL
1	D	819	SER
1	D	821	LEU
1	D	823	ARG
1	D	826	ILE
1	D	827	ARG
1	D	829	PRO
1	D	831	TYR
1	D	841	LEU
1	D	843	GLN
1	D	844	VAL
1	D	846	THR
1	D	850	ILE
1	D	858	THR
1	D	863	SER
1	D	864	ASN
1	D	872	SER
1	D	874	LEU
1	D	878	VAL
1	D	879	GLN
1	D	885	THR
1	D	886	LEU
1	D	891	VAL
1	D	892	ASP
1	D	895	GLU
1	D	896	LEU
1	D	898	ILE
1	D	904	ASP
1	D	906	HIS
1	D	907	PHE
1	D	910	MET
1	D	919	MET
1	D	921	LEU
1	D	922	GLN
1	D	924	ARG
1	D	929	THR
1	D	930	ASP
1	D	932	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	933	SER
1	D	934	LYS
1	D	948	ILE
1	D	955	TYR
1	D	961	PHE
1	D	963	GLU
1	D	967	MET
1	D	971	HIS
1	D	973	LEU
1	D	983	GLN
1	D	989	THR
1	D	992	LEU
1	D	994	TRP
1	D	996	ARG
1	D	999	ASP
1	D	1006	ARG
1	D	1008	LEU
1	D	1014	ARG
1	D	1020	ILE
1	D	1023	GLN
1	D	1025	LEU
1	D	1030	ARG
1	D	1034	ARG
1	D	1035	LYS
1	D	1036	SER
1	D	1037	GLN
1	D	1038	TRP
1	D	1041	TRP
1	D	1043	VAL
1	D	1047	ARG
1	D	1053	THR
1	D	1055	SER
1	D	1056	GLU
1	D	1057	MET
1	D	1058	PHE
1	D	1060	LYS
1	D	1061	LEU
1	D	1066	THR
1	D	1067	SER
1	D	1068	ASP
1	D	1069	ILE
1	D	1070	PRO

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	1071	ARG
1	D	1072	THR
1	D	1073	PRO
1	D	1099	TRP
1	D	1104	SER
1	D	1109	LEU
1	D	1113	LEU
1	D	1121	GLU
1	D	1122	GLU
1	D	1126	ASP
1	D	1130	CYS
1	D	1131	ILE
1	D	1132	SER
1	D	1133	ILE
1	D	1134	HIS
1	D	1136	GLU
1	D	1138	ARG
1	D	1140	LEU
1	D	1146	ARG
1	D	1148	ARG
1	D	1153	LEU
1	D	1158	LEU
1	D	1161	ARG
1	D	1163	MET
1	D	1164	PHE
1	D	1166	TYR
1	D	1171	ASN
1	D	1172	ASP
1	D	1180	PHE
1	D	1181	SER
1	D	1184	ASP
1	D	1189	LEU
1	D	1191	LYS
1	D	1192	GLU
1	D	1195	MET
1	D	1200	PRO
1	D	1203	PRO
1	D	1204	THR
1	D	1206	MET
1	D	1207	GLU
1	D	1208	ARG
1	D	1212	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	1218	LEU
1	D	1219	ASP
1	D	1221	TYR
1	D	1223	ILE
1	D	1224	ILE
1	D	1225	GLU
1	D	1226	LEU
1	D	1227	THR
1	D	1230	SER
2	E	67	GLU
2	E	84	GLN
2	E	86	LEU
2	E	102	LEU
2	E	107	ARG
2	E	108	LYS
2	E	116	THR
2	E	118	VAL
2	E	120	VAL
2	E	122	ARG
2	E	123	GLU
2	E	131	LEU
2	E	190	LEU
2	E	191	GLU
2	E	211	ILE
2	E	213	VAL
2	E	214	CYS
2	E	216	HIS
2	E	255	TRP
2	E	276	SER
2	E	277	ASP
2	E	278	CYS
2	E	280	ASP
2	E	294	PRO
2	E	299	LEU
2	E	328	ARG
2	E	329	LYS
2	E	336	LEU
2	E	352	ASP
2	E	353	SER
2	E	378	LEU
2	E	385	LEU
2	E	389	ARG

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	E	394	GLU
2	E	397	GLN
2	E	411	ILE
2	E	417	TYR
2	E	422	GLN
2	E	425	LEU
2	E	426	GLU
2	E	428	LEU
2	E	432	TYR
2	E	434	GLU
2	E	437	ILE
2	E	445	GLU
2	E	446	THR
2	E	447	THR
2	E	449	GLU
2	E	453	ILE
2	E	455	LEU
2	E	467	HIS
2	E	483	LYS
2	F	77	HIS
2	F	79	LEU
2	F	86	LEU
2	F	88	ARG
2	F	89	ASP
2	F	91	LEU
2	F	92	LEU
2	F	95	CYS
2	F	99	PHE
2	F	116	THR
2	F	117	SER
2	F	118	VAL
2	F	120	VAL
2	F	125	VAL
2	F	128	VAL
2	F	131	LEU
2	F	132	HIS
2	F	180	LYS
2	F	186	LEU
2	F	197	LEU
2	F	198	ASP
2	F	199	LEU
2	F	204	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	F	208	LEU
2	F	210	GLN
2	F	213	VAL
2	F	214	CYS
2	F	215	PHE
2	F	218	VAL
2	F	223	GLN
2	F	226	ASN
2	F	230	SER
2	F	231	ILE
2	F	236	GLU
2	F	238	SER
2	F	244	PRO
2	F	245	PRO
2	F	246	ARG
2	F	247	THR
2	F	251	TRP
2	F	253	ASP
2	F	256	LEU
2	F	279	GLN
2	F	281	GLU
2	F	285	LYS
2	F	298	GLU
2	F	299	LEU
2	F	308	ASP
2	F	309	HIS
2	F	310	GLU
2	F	320	SER
2	F	321	LYS
2	F	322	LEU
2	F	325	ARG
2	F	328	ARG
2	F	330	ASN
2	F	331	VAL
2	F	337	SER
2	F	338	VAL
2	F	339	ASN
2	F	341	ASP
2	F	342	LEU
2	F	347	LEU
2	F	350	LEU
2	F	351	TYR

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	F	357	THR
2	F	362	THR
2	F	363	ARG
2	F	364	LYS
2	F	367	LEU
2	F	369	ARG
2	F	385	LEU
2	F	387	VAL
2	F	389	ARG
2	F	394	GLU
2	F	395	LEU
2	F	396	ARG
2	F	400	GLN
2	F	402	LEU
2	F	403	PHE
2	F	406	LEU
2	F	407	LEU
2	F	411	ILE
2	F	412	SER
2	F	417	TYR
2	F	421	MET
2	F	431	LYS
2	F	435	MET
2	F	439	PHE
2	F	443	VAL
2	F	446	THR
2	F	450	ASN
2	F	452	LEU
2	F	453	ILE
2	F	455	LEU
2	F	456	ARG
2	F	458	ARG
2	F	459	ASP
2	F	461	THR
2	F	464	GLU
2	F	468	ILE
2	F	471	LEU
2	F	474	PHE
2	F	475	LEU
2	F	476	ILE
2	F	479	ILE
2	F	483	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	F	485	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (129) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	110	HIS
1	A	155	ASN
1	A	238	GLN
1	A	264	GLN
1	A	308	GLN
1	A	388	ASN
1	A	390	GLN
1	A	456	GLN
1	A	468	ASN
1	A	493	GLN
1	A	540	GLN
1	A	564	GLN
1	A	565	HIS
1	A	630	ASN
1	A	659	HIS
1	A	663	GLN
1	A	666	GLN
1	A	671	GLN
1	A	715	GLN
1	A	729	GLN
1	A	736	ASN
1	A	758	ASN
1	A	795	ASN
1	A	879	GLN
1	A	922	GLN
1	A	976	GLN
1	A	1023	GLN
1	A	1029	GLN
1	A	1037	GLN
1	A	1059	ASN
1	A	1098	ASN
1	A	1102	GLN
1	A	1202	ASN
1	A	1222	GLN
1	A	1236	GLN
2	B	74	GLN
2	B	84	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	B	96	HIS
2	B	109	ASN
2	B	124	GLN
2	B	184	ASN
2	B	195	ASN
2	B	249	ASN
2	B	250	GLN
2	B	261	GLN
2	B	287	ASN
2	B	292	ASN
2	B	305	ASN
2	B	313	HIS
2	B	318	ASN
2	B	323	HIS
2	B	422	GLN
2	B	427	GLN
2	C	74	GLN
2	C	187	HIS
2	C	258	HIS
2	C	279	GLN
2	C	292	ASN
2	C	454	HIS
1	D	71	HIS
1	D	86	GLN
1	D	106	HIS
1	D	110	HIS
1	D	115	GLN
1	D	138	HIS
1	D	146	GLN
1	D	155	ASN
1	D	277	HIS
1	D	281	GLN
1	D	298	HIS
1	D	317	GLN
1	D	394	GLN
1	D	404	HIS
1	D	409	GLN
1	D	438	ASN
1	D	439	GLN
1	D	440	ASN
1	D	456	GLN
1	D	472	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	493	GLN
1	D	527	GLN
1	D	564	GLN
1	D	630	ASN
1	D	659	HIS
1	D	663	GLN
1	D	671	GLN
1	D	733	HIS
1	D	736	ASN
1	D	795	ASN
1	D	811	GLN
1	D	970	ASN
1	D	976	GLN
1	D	983	GLN
1	D	1037	GLN
1	D	1059	ASN
1	D	1102	GLN
1	D	1134	HIS
1	D	1175	GLN
1	D	1236	GLN
2	E	84	GLN
2	E	85	GLN
2	E	96	HIS
2	E	124	GLN
2	E	184	ASN
2	E	210	GLN
2	E	216	HIS
2	E	249	ASN
2	E	250	GLN
2	E	272	ASN
2	E	292	ASN
2	E	318	ASN
2	E	323	HIS
2	E	400	GLN
2	E	422	GLN
2	E	427	GLN
2	E	450	ASN
2	E	454	HIS
2	F	74	GLN
2	F	84	GLN
2	F	187	HIS
2	F	192	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
2	F	201	ASN
2	F	279	GLN
2	F	292	ASN
2	F	313	HIS
2	F	339	ASN
2	F	400	GLN
2	F	409	ASN
2	F	454	HIS

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	1093/1172 (93%)	-1.20	2 (0%) 91 85	27, 80, 112, 124	0
1	D	1094/1172 (93%)	-1.22	1 (0%) 92 89	27, 81, 113, 124	0
2	B	355/427 (83%)	-1.12	0 100 100	81, 111, 129, 141	0
2	C	396/427 (92%)	-1.19	1 (0%) 90 81	42, 85, 113, 127	1 (0%)
2	E	355/427 (83%)	-1.07	0 100 100	64, 108, 129, 144	0
2	F	396/427 (92%)	-1.20	0 100 100	42, 87, 114, 128	0
All	All	3689/4052 (91%)	-1.18	4 (0%) 92 89	27, 88, 120, 144	1 (0%)

All (4) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	723	GLY	3.6
1	D	723	GLY	2.9
2	C	324	GLY	2.8
1	A	273	PHE	2.6

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

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

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

There are no ligands in this entry.

6.5 Other polymers [i](#)

There are no such residues in this entry.