



# Full wwPDB X-ray Structure Validation Report ⓘ

Nov 7, 2023 – 01:52 PM EST

PDB ID : 2QFX  
Title : Crystal structure of *Saccharomyces cerevesiae* mitochondrial NADP(+)-dependent isocitrate dehydrogenase in complex with NADPH,  $\alpha$ -ketoglutarate and Ca(2+)  
Authors : Peng, Y.J.; Ding, J.P.  
Deposited on : 2007-06-28  
Resolution : 2.70 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](mailto: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 : 4.02b-467  
Mogul : 1.8.5 (274361), CSD as541be (2020)  
Xtriage (Phenix) : 1.13  
EDS : 2.36  
buster-report : 1.1.7 (2018)  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
Refmac : 5.8.0158  
CCP4 : 7.0.044 (Gargrove)  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.36

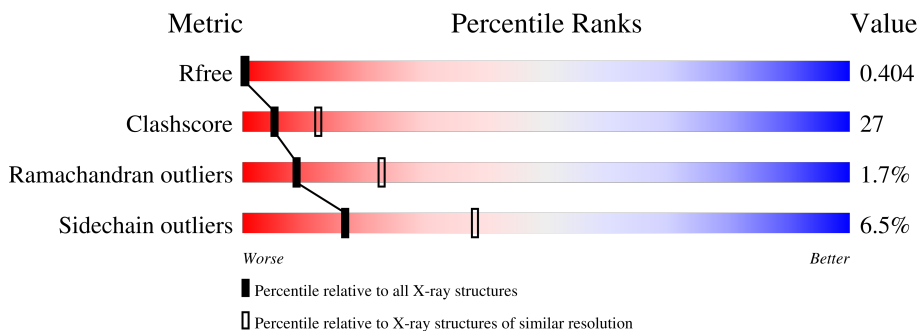
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 2.70 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))
$R_{free}$	130704	2808 (2.70-2.70)
Clashscore	141614	3122 (2.70-2.70)
Ramachandran outliers	138981	3069 (2.70-2.70)
Sidechain outliers	138945	3069 (2.70-2.70)

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  $\geq 3$ , 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  $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	427	19% 71% 6% .
1	B	427	19% 70% 6% .
1	C	427	26% 65% 5% .
1	D	427	18% 72% 6% .
1	E	427	15% 75% 7% .
1	F	427	27% 63% 6% .

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
3	NDP	A	1101	-	-	X	-
3	NDP	B	1201	-	-	X	-
3	NDP	D	1401	-	-	X	-
3	NDP	F	1601	-	-	X	-
4	AKG	A	1102	-	-	X	-
4	AKG	B	1202	-	-	X	-
4	AKG	C	1302	-	-	X	-
4	AKG	D	1402	-	-	X	-
4	AKG	E	1502	-	-	X	-
4	AKG	F	1602	-	-	X	-

## 2 Entry composition i

There are 5 unique types of molecules in this entry. The entry contains 20069 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 Isocitrate dehydrogenase [NADP].

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	410	3248	2070	550	616	12	0	0	0
1	B	410	3248	2070	550	616	12	0	0	0
1	C	410	3248	2070	550	616	12	0	0	0
1	D	410	3248	2070	550	616	12	0	0	0
1	E	410	3248	2070	550	616	12	0	0	0
1	F	410	3248	2070	550	616	12	0	0	0

There are 84 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-13	MET	-	expression tag	UNP P21954
A	-12	HIS	-	expression tag	UNP P21954
A	-11	HIS	-	expression tag	UNP P21954
A	-10	HIS	-	expression tag	UNP P21954
A	-9	HIS	-	expression tag	UNP P21954
A	-8	HIS	-	expression tag	UNP P21954
A	-7	HIS	-	expression tag	UNP P21954
A	-6	ALA	-	expression tag	UNP P21954
A	-5	MET	-	expression tag	UNP P21954
A	-4	GLY	-	expression tag	UNP P21954
A	-3	ILE	-	expression tag	UNP P21954
A	-2	PRO	-	expression tag	UNP P21954
A	-1	GLY	-	expression tag	UNP P21954
A	0	HIS	-	expression tag	UNP P21954
B	-13	MET	-	expression tag	UNP P21954
B	-12	HIS	-	expression tag	UNP P21954
B	-11	HIS	-	expression tag	UNP P21954

*Continued on next page...*

*Continued from previous page...*

Chain	Residue	Modelled	Actual	Comment	Reference
B	-10	HIS	-	expression tag	UNP P21954
B	-9	HIS	-	expression tag	UNP P21954
B	-8	HIS	-	expression tag	UNP P21954
B	-7	HIS	-	expression tag	UNP P21954
B	-6	ALA	-	expression tag	UNP P21954
B	-5	MET	-	expression tag	UNP P21954
B	-4	GLY	-	expression tag	UNP P21954
B	-3	ILE	-	expression tag	UNP P21954
B	-2	PRO	-	expression tag	UNP P21954
B	-1	GLY	-	expression tag	UNP P21954
B	0	HIS	-	expression tag	UNP P21954
C	-13	MET	-	expression tag	UNP P21954
C	-12	HIS	-	expression tag	UNP P21954
C	-11	HIS	-	expression tag	UNP P21954
C	-10	HIS	-	expression tag	UNP P21954
C	-9	HIS	-	expression tag	UNP P21954
C	-8	HIS	-	expression tag	UNP P21954
C	-7	HIS	-	expression tag	UNP P21954
C	-6	ALA	-	expression tag	UNP P21954
C	-5	MET	-	expression tag	UNP P21954
C	-4	GLY	-	expression tag	UNP P21954
C	-3	ILE	-	expression tag	UNP P21954
C	-2	PRO	-	expression tag	UNP P21954
C	-1	GLY	-	expression tag	UNP P21954
C	0	HIS	-	expression tag	UNP P21954
D	-13	MET	-	expression tag	UNP P21954
D	-12	HIS	-	expression tag	UNP P21954
D	-11	HIS	-	expression tag	UNP P21954
D	-10	HIS	-	expression tag	UNP P21954
D	-9	HIS	-	expression tag	UNP P21954
D	-8	HIS	-	expression tag	UNP P21954
D	-7	HIS	-	expression tag	UNP P21954
D	-6	ALA	-	expression tag	UNP P21954
D	-5	MET	-	expression tag	UNP P21954
D	-4	GLY	-	expression tag	UNP P21954
D	-3	ILE	-	expression tag	UNP P21954
D	-2	PRO	-	expression tag	UNP P21954
D	-1	GLY	-	expression tag	UNP P21954
D	0	HIS	-	expression tag	UNP P21954
E	-13	MET	-	expression tag	UNP P21954
E	-12	HIS	-	expression tag	UNP P21954
E	-11	HIS	-	expression tag	UNP P21954

*Continued on next page...*

Continued from previous page...

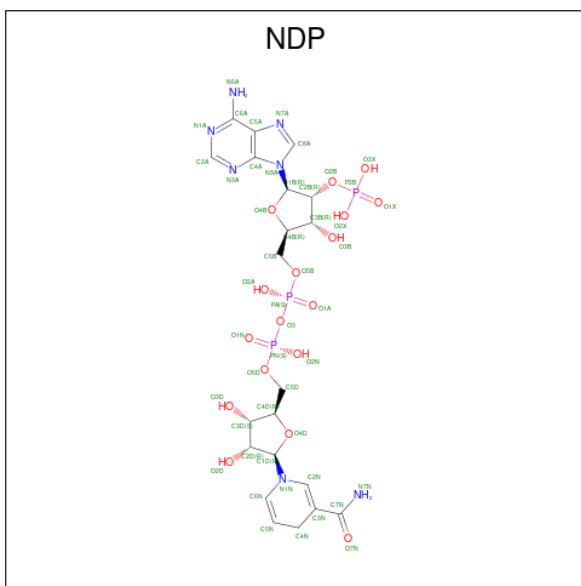
Chain	Residue	Modelled	Actual	Comment	Reference
E	-10	HIS	-	expression tag	UNP P21954
E	-9	HIS	-	expression tag	UNP P21954
E	-8	HIS	-	expression tag	UNP P21954
E	-7	HIS	-	expression tag	UNP P21954
E	-6	ALA	-	expression tag	UNP P21954
E	-5	MET	-	expression tag	UNP P21954
E	-4	GLY	-	expression tag	UNP P21954
E	-3	ILE	-	expression tag	UNP P21954
E	-2	PRO	-	expression tag	UNP P21954
E	-1	GLY	-	expression tag	UNP P21954
E	0	HIS	-	expression tag	UNP P21954
F	-13	MET	-	expression tag	UNP P21954
F	-12	HIS	-	expression tag	UNP P21954
F	-11	HIS	-	expression tag	UNP P21954
F	-10	HIS	-	expression tag	UNP P21954
F	-9	HIS	-	expression tag	UNP P21954
F	-8	HIS	-	expression tag	UNP P21954
F	-7	HIS	-	expression tag	UNP P21954
F	-6	ALA	-	expression tag	UNP P21954
F	-5	MET	-	expression tag	UNP P21954
F	-4	GLY	-	expression tag	UNP P21954
F	-3	ILE	-	expression tag	UNP P21954
F	-2	PRO	-	expression tag	UNP P21954
F	-1	GLY	-	expression tag	UNP P21954
F	0	HIS	-	expression tag	UNP P21954

- Molecule 2 is CALCIUM ION (three-letter code: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	1	Total Ca 1 1	0	0
2	B	1	Total Ca 1 1	0	0
2	C	1	Total Ca 1 1	0	0
2	D	1	Total Ca 1 1	0	0
2	E	1	Total Ca 1 1	0	0
2	F	1	Total Ca 1 1	0	0

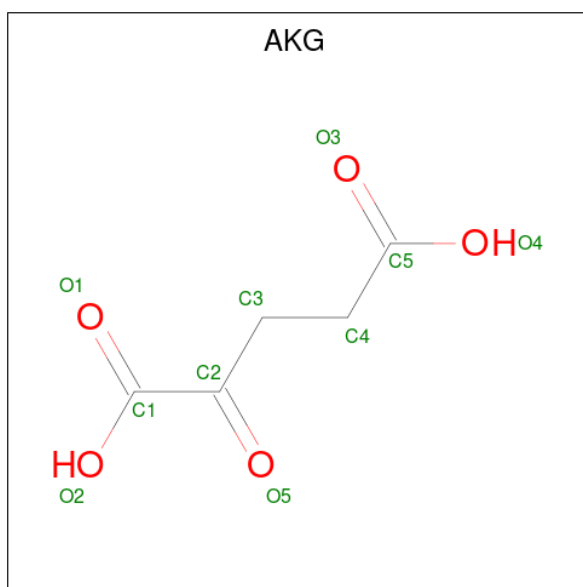
- Molecule 3 is NADPH DIHYDRO-NICOTINAMIDE-ADENINE-DINUCLEOTIDE

PHOSPHATE (three-letter code: NDP) (formula: C<sub>21</sub>H<sub>30</sub>N<sub>7</sub>O<sub>17</sub>P<sub>3</sub>).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
			Total	C	N	O			P
3	A	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	B	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	C	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	D	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	E	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	F	1	Total	C	N	O	P	0	0
			48	21	7	17	3		

- Molecule 4 is 2-OXOGLUTARIC ACID (three-letter code: AKG) (formula: C<sub>5</sub>H<sub>6</sub>O<sub>5</sub>).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	A	1	Total	C	O	0	0
			10	5	5		
4	B	1	Total	C	O	0	0
			10	5	5		
4	C	1	Total	C	O	0	0
			10	5	5		
4	D	1	Total	C	O	0	0
			10	5	5		
4	E	1	Total	C	O	0	0
			10	5	5		
4	F	1	Total	C	O	0	0
			10	5	5		

- Molecule 5 is water.

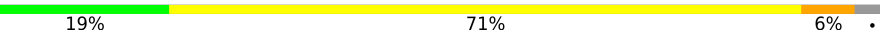
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	26	Total	O	0	0
			26	26		
5	B	22	Total	O	0	0
			22	22		
5	C	47	Total	O	0	0
			47	47		
5	D	49	Total	O	0	0
			49	49		
5	E	30	Total	O	0	0
			30	30		
5	F	53	Total	O	0	0
			53	53		

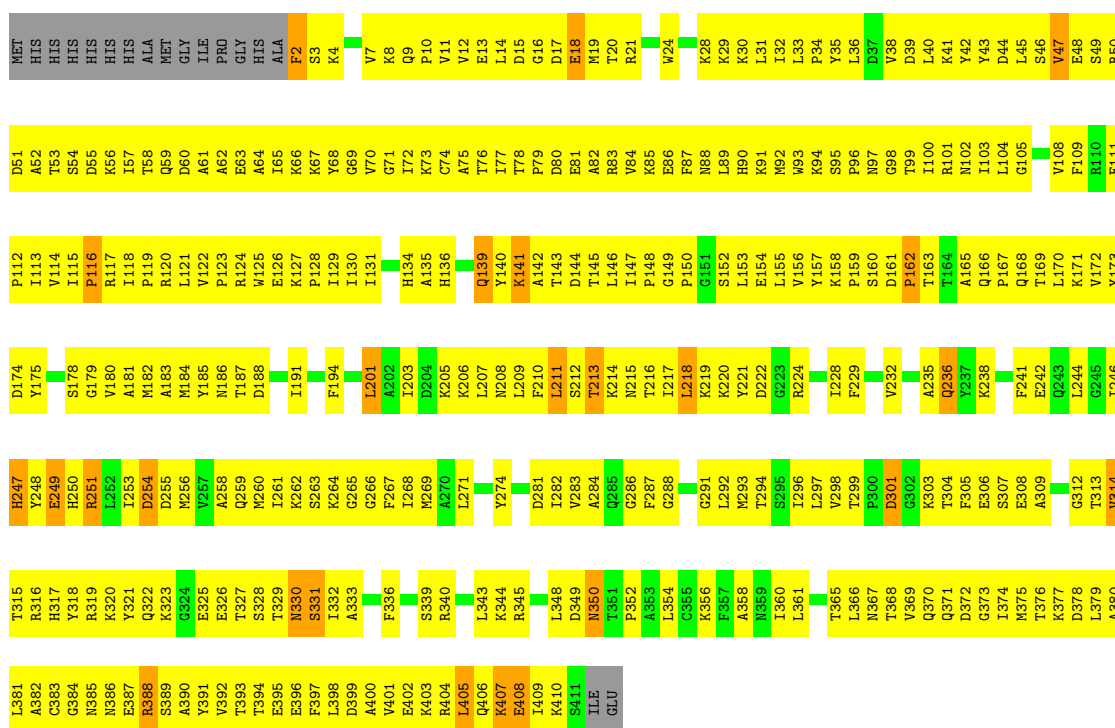


### 3 Residue-property plots

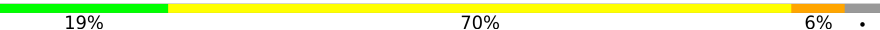
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry. Residues are color-coded 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. 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.

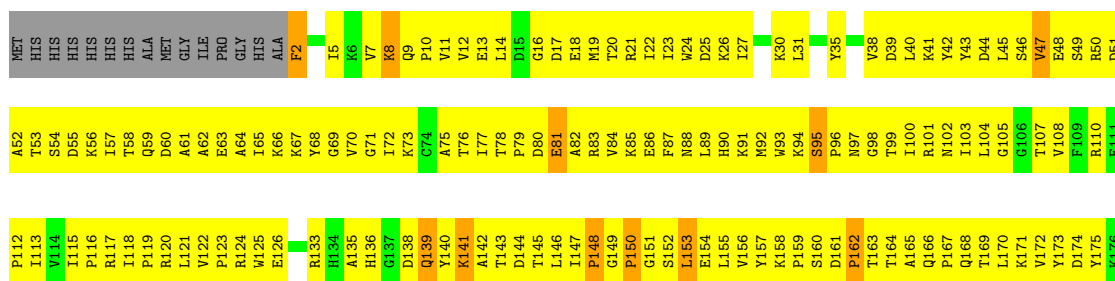
- Molecule 1: Isocitrate dehydrogenase [NADP]

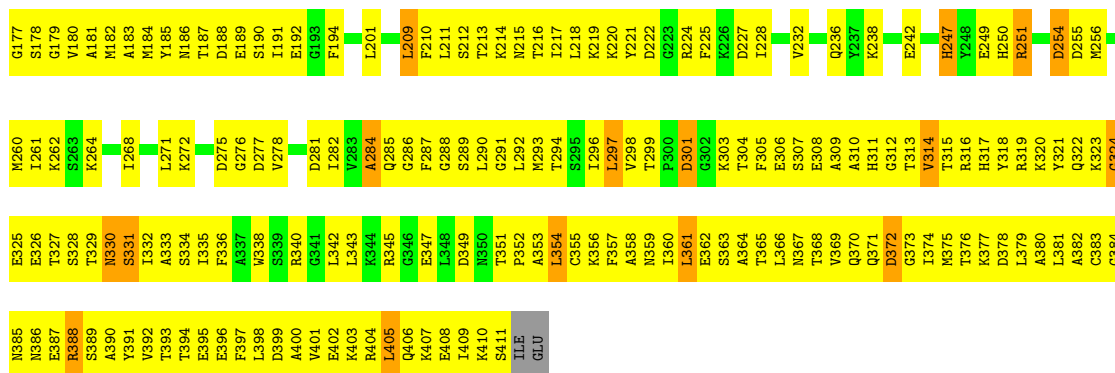
Chain A: 



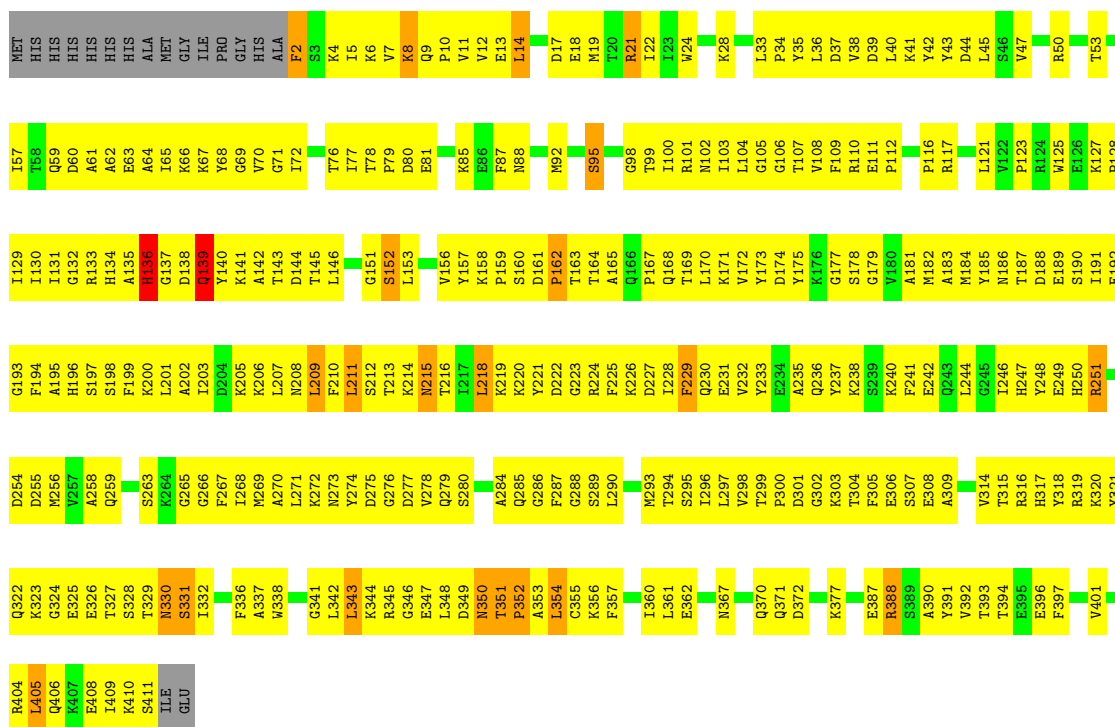
- Molecule 1: Isocitrate dehydrogenase [NADP]

Chain B: 

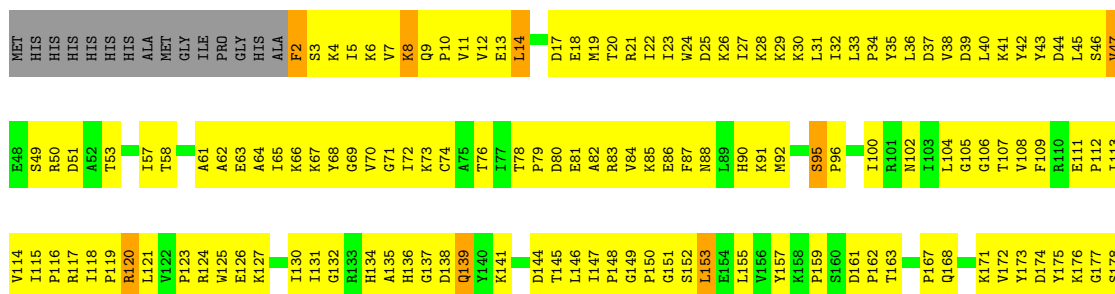
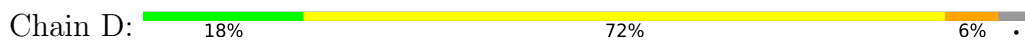


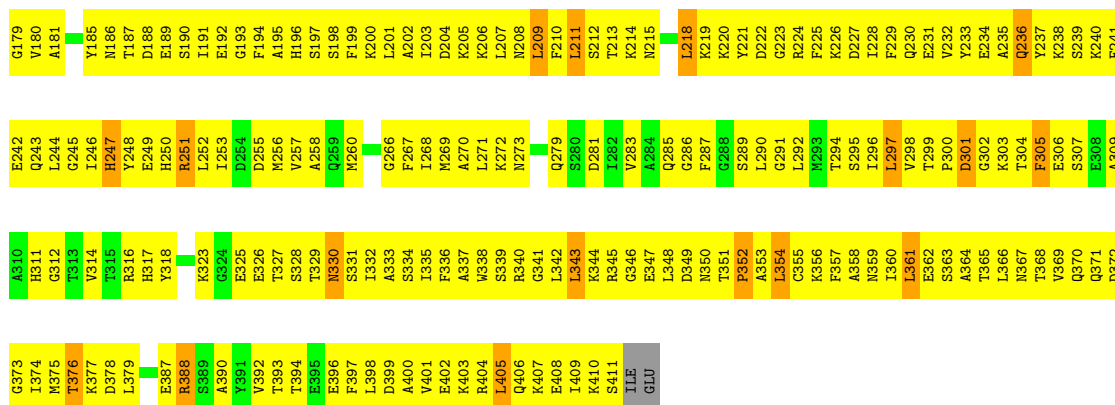


• Molecule 1: Isocitrate dehydrogenase [NADP]

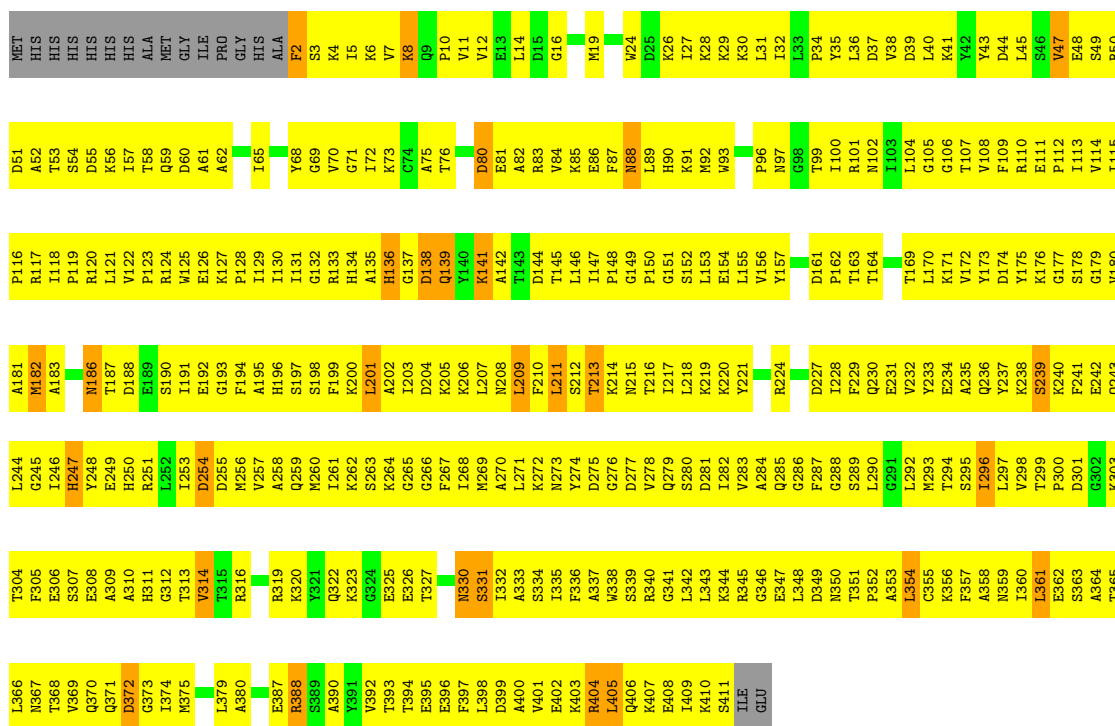


• Molecule 1: Isocitrate dehydrogenase [NADP]

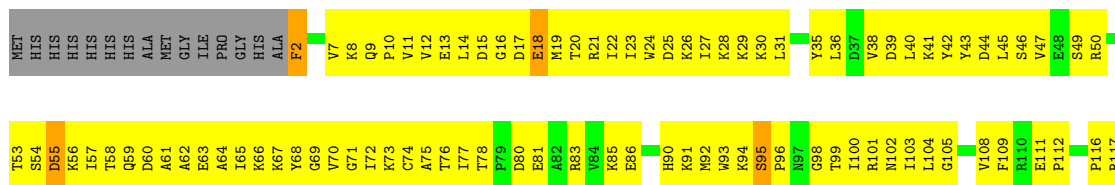




● Molecule 1: Isocitrate dehydrogenase [NADP]



● Molecule 1: Isocitrate dehydrogenase [NADP]



V401	E325	I118	M186
E402	E326	P119	T187
K403	T327	R120	D188
R404	S328	L121	E189
L405	T329	V122	S190
Q406	N330	P123	I191
K407	S331	R124	E192
E408	I332	W125	G193
I409	A333	E126	F194
K410	S334	K127	A195
S411	I335	P128	L201
I1E	F336		L209
GLU	A337		F210
	W338		L211
	S339		S212
	R340		T213
	G341		K214
			N215
	K344		L218
	R345		K219
	L354		T143
	C355		K220
	K356		D144
			Y221
	I360		D222
	L361		G223
	V369		R224
	Q370		F225
	G371		K226
	D372		D227
	G373		I228
	I374		F229
	M375		Q230
			E231
	T376		E234
	K377		K238
	D378		S239
	L379		K240
	A380		F241
	L381		E242
	A382		Q243
	C383		I246
	G384		H247
	N385		Y248
	N386		E249
	E387		H250
	R388		R251
	S389		L252
	A390		I253
	Y391		D254
	V392		D255
	T393		M256
	T394		V257
	E395		A258
	E396		Q259
	F397		M260
	L398		
	D399		
	A400		

## 4 Data and refinement statistics

Property	Value	Source
Space group	P 1 2 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	113.42Å 99.63Å 129.95Å 90.00° 111.21° 90.00°	Depositor
Resolution (Å)	49.73 – 2.70 49.73 – 2.69	Depositor EDS
% Data completeness (in resolution range)	98.6 (49.73-2.70) 98.1 (49.73-2.69)	Depositor EDS
$R_{merge}$	0.05	Depositor
$R_{sym}$	0.04	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	2.86 (at 2.69Å)	Xtrriage
Refinement program	CNS	Depositor
R, $R_{free}$	0.217 , 0.285 0.406 , 0.404	Depositor DCC
$R_{free}$ test set	3723 reflections (5.03%)	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	65.1	Xtrriage
Anisotropy	0.412	Xtrriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.31 , 44.0	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.51$ , $\langle L^2 \rangle = 0.35$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
$F_o, F_c$ correlation	0.73	EDS
Total number of atoms	20069	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	68.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.56% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

<sup>2</sup>Theoretical 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 [i](#)

### 5.1 Standard geometry [i](#)

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

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# $ Z  > 5$	RMSZ	# $ Z  > 5$
1	A	0.36	0/3311	0.67	1/4466 (0.0%)
1	B	0.37	0/3311	0.66	1/4466 (0.0%)
1	C	0.39	0/3311	0.68	1/4466 (0.0%)
1	D	0.39	0/3311	0.68	0/4466
1	E	0.37	0/3311	0.66	1/4466 (0.0%)
1	F	0.38	0/3311	0.68	1/4466 (0.0%)
All	All	0.38	0/19866	0.67	5/26796 (0.0%)

There are no bond length outliers.

All (5) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	136	HIS	N-CA-C	6.19	127.72	111.00
1	B	136	HIS	N-CA-C	6.15	127.60	111.00
1	F	136	HIS	N-CA-C	5.86	126.81	111.00
1	E	136	HIS	N-CA-C	5.44	125.69	111.00
1	C	136	HIS	N-CA-C	5.27	125.24	111.00

There are no chirality outliers.

There are no planarity outliers.

### 5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	3248	0	3291	176	3143
1	B	3248	0	3291	188	4212
1	C	3248	0	3291	187	2384
1	D	3248	0	3291	180	3911
1	E	3248	0	3291	178	4218
1	F	3248	0	3291	179	2554
2	A	1	0	0	0	0
2	B	1	0	0	0	1
2	C	1	0	0	0	0
2	D	1	0	0	0	0
2	E	1	0	0	0	0
2	F	1	0	0	0	0
3	A	48	0	26	13	54
3	B	48	0	26	13	10
3	C	48	0	26	12	4
3	D	48	0	26	12	12
3	E	48	0	26	12	0
3	F	48	0	26	11	109
4	A	10	0	4	7	4
4	B	10	0	4	6	5
4	C	10	0	4	6	4
4	D	10	0	4	5	0
4	E	10	0	4	6	1
4	F	10	0	4	5	0
5	A	26	0	0	4	33
5	B	22	0	0	2	29
5	C	47	0	0	1	30
5	D	49	0	0	4	38
5	E	30	0	0	4	44
5	F	53	0	0	9	41
All	All	20069	0	19926	1056	10959

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 27.

All (1056) 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:E:7:VAL:HG21	1:E:38:VAL:HG12	1.39	1.02
1:F:213:THR:HG23	1:F:215:ASN:H	1.27	0.98
1:E:53:THR:HG21	1:E:57:ILE:HG22	1.48	0.96
1:C:301:ASP:HB3	1:C:303:LYS:HG2	1.46	0.95

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:153:LEU:HD12	1:E:172:VAL:HB	1.47	0.95
1:E:116:PRO:HB2	1:E:370:GLN:HE22	1.32	0.95
1:F:405:LEU:HD22	1:F:409:ILE:HD11	1.47	0.94
1:C:327:THR:HG22	1:C:394:THR:OG1	1.69	0.93
1:D:7:VAL:HG21	1:D:38:VAL:HG12	1.50	0.93
1:E:327:THR:HG22	1:E:394:THR:OG1	1.69	0.93
1:A:319:ARG:HH11	1:A:322:GLN:HE22	1.17	0.92
1:E:10:PRO:HG2	1:E:68:TYR:CD2	2.04	0.91
1:A:405:LEU:HD22	1:A:409:ILE:HD11	1.52	0.91
3:C:1301:NDP:H42N	4:C:1302:AKG:H41	1.53	0.91
1:C:213:THR:HG23	1:C:222:ASP:HB3	1.54	0.89
1:F:7:VAL:HG21	1:F:38:VAL:HG12	1.52	0.89
1:B:319:ARG:HH11	1:B:322:GLN:NE2	1.71	0.89
1:B:297:LEU:HD12	1:B:298:VAL:N	1.88	0.88
1:C:319:ARG:HH11	1:C:322:GLN:NE2	1.70	0.88
1:D:213:THR:HG23	1:D:222:ASP:HB3	1.55	0.88
1:B:213:THR:HG22	1:B:215:ASN:H	1.36	0.87
1:F:116:PRO:HB2	1:F:370:GLN:HE22	1.38	0.87
1:B:319:ARG:NH1	1:B:322:GLN:HE22	1.71	0.87
1:C:36:LEU:HB3	1:C:38:VAL:HG13	1.58	0.86
1:F:405:LEU:O	1:F:409:ILE:HG13	1.76	0.86
1:B:116:PRO:HB2	1:B:370:GLN:HE22	1.39	0.86
1:C:405:LEU:HD22	1:C:409:ILE:HD11	1.58	0.85
1:E:301:ASP:HB3	1:E:303:LYS:HG2	1.58	0.85
1:B:294:THR:HG21	1:B:340:ARG:HH12	1.42	0.85
1:A:213:THR:HG23	1:A:222:ASP:HB3	1.59	0.85
1:B:330:ASN:ND2	1:B:332:ILE:H	1.74	0.85
1:A:319:ARG:HH11	1:A:322:GLN:NE2	1.75	0.84
1:D:24:TRP:HH2	1:D:72:ILE:HG22	1.42	0.84
1:B:319:ARG:HH11	1:B:322:GLN:HE22	0.86	0.84
1:E:171:LYS:HE2	1:E:174:ASP:OD1	1.76	0.83
1:A:130:ILE:HB	1:A:268:ILE:HG12	1.60	0.83
1:B:405:LEU:HD22	1:B:409:ILE:HD11	1.59	0.83
3:A:1101:NDP:HO3A	3:A:1101:NDP:P2B	2.02	0.82
3:A:1101:NDP:H42N	4:A:1102:AKG:H41	1.61	0.82
1:B:121:LEU:HD12	1:B:285:GLN:O	1.80	0.82
1:E:123:PRO:HG2	1:F:123:PRO:HG2	1.62	0.81
1:C:213:THR:HG22	1:C:215:ASN:H	1.45	0.81
3:F:1601:NDP:H42N	4:F:1602:AKG:H42	1.63	0.81
1:A:405:LEU:O	1:A:409:ILE:HG13	1.80	0.80
3:C:1301:NDP:O3B	3:C:1301:NDP:P2B	2.40	0.80

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:388:ARG:O	1:B:388:ARG:HD3	1.82	0.80
1:E:7:VAL:CG2	1:E:38:VAL:HG12	2.12	0.80
1:B:319:ARG:HD3	1:B:322:GLN:NE2	1.97	0.79
1:C:53:THR:HG21	1:C:57:ILE:HG22	1.64	0.79
1:C:213:THR:CG2	1:C:222:ASP:HB3	2.12	0.79
1:E:254:ASP:HB3	1:F:281:ASP:OD1	1.83	0.79
1:D:213:THR:CG2	1:D:222:ASP:HB3	2.13	0.79
3:D:1401:NDP:H42N	4:D:1402:AKG:H41	1.65	0.78
3:A:1101:NDP:P2B	3:A:1101:NDP:O3B	2.42	0.78
1:E:10:PRO:HG2	1:E:68:TYR:HD2	1.45	0.78
1:B:301:ASP:HB3	1:B:303:LYS:HG2	1.66	0.78
1:B:213:THR:HB	1:B:250:HIS:NE2	1.99	0.78
1:C:116:PRO:HB2	1:C:370:GLN:HE22	1.49	0.78
1:B:213:THR:HG23	1:B:222:ASP:HB3	1.66	0.78
3:F:1601:NDP:C4N	4:F:1602:AKG:H42	2.14	0.77
3:A:1101:NDP:H42N	4:A:1102:AKG:C4	2.14	0.77
3:C:1301:NDP:H42N	4:C:1302:AKG:C4	2.14	0.77
1:D:117:ARG:H	1:D:370:GLN:HE22	1.33	0.77
3:B:1201:NDP:O3B	3:B:1201:NDP:P2B	2.43	0.77
1:C:319:ARG:HH11	1:C:322:GLN:HE22	1.33	0.77
1:B:367:ASN:HB3	1:B:371:GLN:HG3	1.65	0.76
1:D:7:VAL:CG2	1:D:38:VAL:HG12	2.13	0.76
3:C:1301:NDP:P2B	3:C:1301:NDP:HO3A	2.08	0.76
1:C:251:ARG:NE	1:D:316:ARG:HH22	1.83	0.76
1:F:7:VAL:CG2	1:F:38:VAL:HG12	2.15	0.76
1:F:153:LEU:HD12	1:F:172:VAL:HB	1.68	0.75
1:B:387:GLU:HG3	1:B:390:ALA:HB2	1.69	0.75
1:E:4:LYS:HE2	1:E:34:PRO:O	1.85	0.75
1:F:213:THR:HG23	1:F:214:LYS:N	2.02	0.74
1:D:323:LYS:HE3	1:D:325:GLU:OE2	1.87	0.74
1:B:7:VAL:HG21	1:B:38:VAL:HG12	1.70	0.74
3:E:1501:NDP:C4N	4:E:1502:AKG:H42	2.17	0.74
1:A:116:PRO:HB2	1:A:370:GLN:HE22	1.52	0.74
1:E:405:LEU:O	1:E:409:ILE:HG13	1.88	0.74
1:C:35:TYR:CE2	1:C:409:ILE:HD13	2.23	0.74
1:E:356:LYS:O	1:E:360:ILE:HG13	1.88	0.74
1:E:327:THR:HG22	1:E:394:THR:HG1	1.51	0.73
1:E:196:HIS:O	1:E:200:LYS:HG3	1.89	0.73
1:E:202:ALA:HA	1:E:268:ILE:HD12	1.71	0.73
1:B:330:ASN:HD21	1:B:332:ILE:HG13	1.51	0.73
1:B:330:ASN:HD22	1:B:332:ILE:H	1.35	0.73

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:TRP:HH2	1:C:72:ILE:HG22	1.52	0.73
1:D:297:LEU:HD12	1:D:298:VAL:N	2.04	0.73
1:D:108:VAL:HG23	1:D:135:ALA:HB2	1.69	0.73
1:C:116:PRO:HD2	1:C:370:GLN:NE2	2.03	0.73
1:F:10:PRO:HG2	1:F:68:TYR:CD2	2.23	0.73
1:B:53:THR:HG21	1:B:57:ILE:HG22	1.70	0.72
1:D:330:ASN:HD21	1:D:332:ILE:CG1	2.02	0.72
1:C:24:TRP:CH2	1:C:72:ILE:HG22	2.24	0.72
1:D:238:LYS:O	1:D:242:GLU:HG3	1.89	0.72
1:D:24:TRP:CH2	1:D:72:ILE:HG22	2.25	0.72
1:D:201:LEU:CD2	1:D:205:LYS:HG3	2.19	0.72
1:E:121:LEU:HD13	1:F:262:LYS:HA	1.71	0.72
1:C:330:ASN:HD21	1:C:332:ILE:HG13	1.53	0.72
1:F:53:THR:HG21	1:F:57:ILE:HG22	1.70	0.71
1:E:323:LYS:HE3	1:E:325:GLU:OE2	1.90	0.71
1:C:44:ASP:O	1:C:57:ILE:HD13	1.90	0.71
1:E:146:LEU:CD1	1:F:220:LYS:HB3	2.20	0.71
3:F:1601:NDP:H42N	4:F:1602:AKG:C4	2.19	0.71
1:E:31:LEU:HD22	1:E:405:LEU:HD12	1.73	0.71
1:A:188:ASP:OD1	1:A:228:ILE:HD11	1.91	0.71
1:B:294:THR:HG21	1:B:340:ARG:NH1	2.06	0.71
1:F:224:ARG:NH1	1:F:228:ILE:HG13	2.05	0.71
1:B:79:PRO:HG2	1:B:93:TRP:O	1.91	0.70
1:B:213:THR:CG2	1:B:214:LYS:N	2.53	0.70
1:D:330:ASN:HD21	1:D:332:ILE:HG13	1.55	0.70
1:E:109:PHE:CE1	1:E:201:LEU:HD12	2.26	0.70
1:F:28:LYS:HE3	5:F:1623:HOH:O	1.91	0.70
3:B:1201:NDP:H42N	4:B:1202:AKG:C4	2.21	0.70
1:C:5:ILE:HB	1:C:36:LEU:HD23	1.73	0.70
1:E:213:THR:HG23	1:E:214:LYS:N	2.07	0.70
1:B:116:PRO:HD2	1:B:370:GLN:NE2	2.06	0.70
1:C:254:ASP:HB3	1:D:281:ASP:OD1	1.92	0.70
1:F:102:ASN:HB2	5:F:1654:HOH:O	1.92	0.70
1:F:139:GLN:HA	1:F:142:ALA:HB2	1.74	0.69
1:D:336:PHE:CE2	1:D:362:GLU:HG2	2.27	0.69
3:C:1301:NDP:C4N	4:C:1302:AKG:H41	2.22	0.69
1:C:10:PRO:HG2	1:C:68:TYR:CD2	2.27	0.69
1:B:213:THR:HG22	1:B:215:ASN:N	2.08	0.69
1:D:36:LEU:HB3	1:D:38:VAL:HG13	1.72	0.69
1:B:319:ARG:HA	1:B:322:GLN:HE21	1.56	0.69
1:E:100:ILE:HG21	1:E:306:GLU:OE2	1.93	0.69

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:213:THR:HG23	1:F:215:ASN:N	2.04	0.69
1:F:117:ARG:HB2	1:F:370:GLN:OE1	1.93	0.69
1:A:53:THR:HG21	1:A:57:ILE:HG22	1.75	0.68
1:B:213:THR:CG2	1:B:222:ASP:HB3	2.23	0.68
1:C:19:MET:CE	1:C:318:TYR:HA	2.23	0.68
1:A:116:PRO:HB2	1:A:370:GLN:NE2	2.08	0.68
1:B:175:TYR:OH	1:B:181:ALA:HB2	1.92	0.68
1:B:116:PRO:HD2	1:B:370:GLN:HE21	1.58	0.68
1:B:201:LEU:O	1:B:201:LEU:HD23	1.94	0.68
1:C:405:LEU:HD22	1:C:409:ILE:CD1	2.24	0.68
1:F:330:ASN:HD21	1:F:332:ILE:HG13	1.57	0.68
1:A:323:LYS:HE3	1:A:325:GLU:OE2	1.93	0.68
1:D:213:THR:HB	1:D:250:HIS:NE2	2.09	0.68
1:B:7:VAL:CG2	1:B:38:VAL:HG12	2.23	0.68
1:A:10:PRO:HG2	1:A:68:TYR:CD2	2.29	0.67
1:C:157:TYR:HB3	1:C:168:GLN:HB2	1.75	0.67
3:E:1501:NDP:H42N	4:E:1502:AKG:H42	1.77	0.67
1:C:213:THR:HB	1:C:250:HIS:NE2	2.10	0.67
1:F:356:LYS:O	1:F:360:ILE:HG13	1.95	0.67
1:B:405:LEU:O	1:B:409:ILE:HG13	1.95	0.67
1:F:213:THR:CG2	1:F:215:ASN:H	2.05	0.67
1:B:116:PRO:HB2	1:B:370:GLN:NE2	2.08	0.67
1:C:301:ASP:CB	1:C:303:LYS:HG2	2.23	0.67
1:E:301:ASP:HB3	1:E:303:LYS:CG	2.25	0.67
1:C:171:LYS:HE2	1:C:174:ASP:OD1	1.94	0.67
1:A:327:THR:HG22	1:A:394:THR:OG1	1.94	0.67
1:E:188:ASP:O	1:E:192:GLU:HG3	1.95	0.67
1:A:125:TRP:HZ3	1:A:286:GLY:HA3	1.60	0.66
1:B:330:ASN:HD21	1:B:332:ILE:CG1	2.08	0.66
1:C:218:LEU:HD11	1:D:139:GLN:HB2	1.77	0.66
1:A:248:TYR:O	1:A:249:GLU:HB2	1.95	0.66
1:A:241:PHE:CD2	1:A:246:ILE:HG13	2.31	0.66
1:C:188:ASP:OD1	1:C:228:ILE:HD11	1.95	0.66
1:A:213:THR:CG2	1:A:222:ASP:HB3	2.24	0.66
3:F:1601:NDP:P2B	3:F:1601:NDP:O3B	2.53	0.66
1:B:238:LYS:O	1:B:242:GLU:HG3	1.96	0.66
1:D:19:MET:HE1	1:D:318:TYR:HA	1.77	0.66
1:E:388:ARG:O	1:E:388:ARG:HD3	1.96	0.66
1:C:297:LEU:HB3	1:C:306:GLU:HB3	1.78	0.66
1:E:127:LYS:HD3	1:E:266:GLY:HA3	1.78	0.66
1:E:92:MET:HG2	1:F:219:LYS:HD3	1.77	0.66

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:53:THR:HG21	1:E:57:ILE:CG2	2.24	0.65
1:F:405:LEU:CD2	1:F:409:ILE:HD11	2.22	0.65
1:D:327:THR:HG22	1:D:394:THR:OG1	1.96	0.65
1:D:201:LEU:HD23	1:D:205:LYS:HG3	1.78	0.65
1:D:111:GLU:HB2	1:D:112:PRO:HD2	1.76	0.65
1:B:247:HIS:HB3	5:B:1211:HOH:O	1.97	0.65
1:C:145:THR:HA	1:D:220:LYS:HD3	1.79	0.65
1:E:301:ASP:CB	1:E:303:LYS:HG2	2.24	0.65
1:F:49:SER:O	1:F:53:THR:HG22	1.97	0.65
1:C:14:LEU:N	1:C:14:LEU:HD23	2.11	0.65
1:C:7:VAL:CG2	1:C:38:VAL:HG12	2.27	0.65
1:F:138:ASP:HB3	1:F:139:GLN:OE1	1.97	0.65
1:C:72:ILE:HD11	1:C:341:GLY:HA3	1.79	0.65
1:A:19:MET:HE1	1:A:318:TYR:HA	1.79	0.64
1:A:109:PHE:CE1	1:A:201:LEU:HD12	2.32	0.64
1:B:67:LYS:HD3	1:B:68:TYR:CE1	2.33	0.64
3:B:1201:NDP:H42N	4:B:1202:AKG:H41	1.78	0.64
4:F:1602:AKG:H32	5:F:1618:HOH:O	1.97	0.64
3:F:1601:NDP:P2B	3:F:1601:NDP:HO3A	2.21	0.64
1:F:330:ASN:HD21	1:F:332:ILE:CG1	2.10	0.64
1:A:102:ASN:ND2	1:A:141:LYS:HG3	2.12	0.64
1:B:319:ARG:HD3	1:B:322:GLN:HE21	1.60	0.64
1:C:319:ARG:HD3	1:C:322:GLN:HE21	1.62	0.64
1:F:308:GLU:HG3	1:F:309:ALA:O	1.98	0.64
1:A:7:VAL:HG21	1:A:38:VAL:HG12	1.80	0.64
1:B:53:THR:HG21	1:B:57:ILE:CG2	2.27	0.64
1:D:76:THR:O	3:D:1401:NDP:H2N	1.98	0.64
1:E:116:PRO:CB	1:E:370:GLN:HE22	2.09	0.64
1:F:393:THR:HG23	5:F:1639:HOH:O	1.96	0.64
1:C:251:ARG:NE	1:D:316:ARG:NH2	2.46	0.63
1:A:343:LEU:HG	1:A:358:ALA:CB	2.27	0.63
1:C:78:THR:OG1	1:C:95:SER:HB2	1.98	0.63
1:A:254:ASP:HB3	1:B:281:ASP:OD1	1.98	0.63
1:B:10:PRO:HG2	1:B:68:TYR:CD2	2.34	0.63
1:D:117:ARG:N	1:D:370:GLN:HE22	1.96	0.63
1:D:213:THR:HG22	1:D:215:ASN:H	1.62	0.63
1:A:116:PRO:HD2	1:A:370:GLN:NE2	2.13	0.63
1:D:49:SER:O	1:D:53:THR:HG22	1.97	0.63
3:E:1501:NDP:P2B	3:E:1501:NDP:HO3A	2.21	0.63
1:F:251:ARG:HD2	1:F:255:ASP:OD1	1.99	0.63
1:A:213:THR:CG2	1:A:214:LYS:N	2.61	0.63

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:A:1101:NDP:C4N	4:A:1102:AKG:H41	2.28	0.63
1:A:31:LEU:HD22	1:A:405:LEU:HD12	1.80	0.63
1:D:172:VAL:O	1:D:173:TYR:HB2	1.99	0.63
1:D:6:LYS:HA	1:D:37:ASP:HB3	1.81	0.63
1:A:68:TYR:O	1:A:345:ARG:NH1	2.30	0.62
1:C:92:MET:CE	1:D:219:LYS:HD3	2.29	0.62
1:B:7:VAL:HG21	1:B:38:VAL:CG1	2.29	0.62
1:C:108:VAL:HG23	1:C:135:ALA:HB2	1.81	0.62
3:C:1301:NDP:H42N	4:C:1302:AKG:C2	2.29	0.62
1:D:206:LYS:HG2	1:D:244:LEU:HD22	1.81	0.62
1:B:20:THR:OG1	1:B:75:ALA:HB3	2.00	0.62
1:A:153:LEU:HD12	1:A:172:VAL:HB	1.82	0.62
1:B:35:TYR:CE2	1:B:409:ILE:HD13	2.33	0.62
1:A:228:ILE:O	1:A:232:VAL:HG23	1.99	0.62
1:B:330:ASN:HD22	1:B:331:SER:N	1.98	0.62
1:C:388:ARG:O	1:C:388:ARG:HD3	2.00	0.62
1:D:213:THR:HG22	1:D:215:ASN:N	2.15	0.62
1:C:7:VAL:HG21	1:C:38:VAL:HG12	1.82	0.61
1:D:387:GLU:HG3	1:D:390:ALA:HB2	1.82	0.61
1:B:116:PRO:CB	1:B:370:GLN:HE22	2.12	0.61
1:B:251:ARG:HG3	1:B:251:ARG:HH11	1.65	0.61
1:E:372:ASP:OD2	1:E:404:ARG:NE	2.32	0.61
1:B:340:ARG:HG3	1:B:340:ARG:HH11	1.65	0.61
1:C:356:LYS:O	1:C:360:ILE:HG13	1.99	0.61
3:D:1401:NDP:P2B	3:D:1401:NDP:O3B	2.57	0.61
1:E:372:ASP:HB2	1:E:374:ILE:HD12	1.82	0.61
1:F:78:THR:OG1	1:F:95:SER:HB2	2.00	0.61
1:B:21:ARG:NH2	1:B:44:ASP:OD1	2.34	0.61
1:E:38:VAL:HG23	1:E:40:LEU:HG	1.83	0.61
1:F:81:GLU:HB2	5:F:1650:HOH:O	1.99	0.61
1:E:213:THR:CG2	1:E:215:ASN:H	2.14	0.61
1:F:327:THR:HG22	1:F:328:SER:N	2.14	0.61
3:D:1401:NDP:C4N	4:D:1402:AKG:H41	2.30	0.61
1:F:336:PHE:HA	1:F:339:SER:OG	2.01	0.61
1:B:13:GLU:C	1:B:14:LEU:HD23	2.20	0.61
1:D:29:LYS:O	1:D:34:PRO:HD3	2.00	0.61
3:E:1501:NDP:H42N	4:E:1502:AKG:C4	2.30	0.61
1:C:145:THR:HA	1:D:220:LYS:CD	2.31	0.61
1:E:387:GLU:HG3	1:E:390:ALA:HB2	1.82	0.61
1:F:175:TYR:OH	1:F:181:ALA:HB2	2.00	0.61
1:A:140:TYR:HE1	1:A:274:TYR:HA	1.65	0.60

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:248:TYR:CG	1:A:249:GLU:N	2.68	0.60
1:E:349:ASP:O	1:E:350:ASN:HB2	2.00	0.60
1:A:220:LYS:HB3	1:B:146:LEU:HD12	1.83	0.60
3:B:1201:NDP:H42N	4:B:1202:AKG:C2	2.31	0.60
1:C:220:LYS:HD2	1:D:144:ASP:O	2.01	0.60
1:C:343:LEU:O	1:C:347:GLU:HG3	2.01	0.60
1:D:203:ILE:HG23	1:D:244:LEU:HD11	1.81	0.60
1:F:10:PRO:HG2	1:F:68:TYR:HD2	1.66	0.60
1:A:187:THR:O	1:A:191:ILE:HG13	2.00	0.60
1:A:299:THR:OG1	1:A:304:THR:HB	2.01	0.60
3:C:1301:NDP:O3B	3:C:1301:NDP:O1X	2.18	0.60
1:E:8:LYS:HB3	1:E:349:ASP:HB3	1.81	0.60
1:A:50:ARG:HA	1:A:53:THR:HG22	1.81	0.60
1:C:53:THR:HG21	1:C:57:ILE:CG2	2.31	0.60
1:C:213:THR:HG22	1:C:215:ASN:N	2.16	0.60
1:D:343:LEU:O	1:D:347:GLU:HG3	2.01	0.60
1:E:171:LYS:HE2	1:E:174:ASP:CG	2.20	0.60
1:A:2:PHE:N	1:A:2:PHE:CD2	2.67	0.60
1:B:377:LYS:HE2	1:B:381:LEU:HD11	1.83	0.60
1:D:124:ARG:HB3	5:D:1421:HOH:O	2.01	0.60
1:E:301:ASP:OD2	1:E:303:LYS:HD3	2.02	0.60
1:C:19:MET:HE2	1:C:318:TYR:HA	1.82	0.60
1:C:285:GLN:HG2	1:D:258:ALA:O	2.02	0.60
1:A:155:LEU:HD23	1:B:183:ALA:HB2	1.83	0.60
1:E:301:ASP:HB3	1:E:303:LYS:CD	2.32	0.60
1:D:116:PRO:HB2	1:D:370:GLN:NE2	2.17	0.60
1:A:301:ASP:CB	1:A:303:LYS:HG2	2.32	0.59
1:B:405:LEU:HD22	1:B:409:ILE:CD1	2.32	0.59
1:E:35:TYR:CE2	1:E:409:ILE:HD12	2.37	0.59
1:E:81:GLU:HB2	5:E:1527:HOH:O	2.02	0.59
1:D:78:THR:OG1	1:D:95:SER:HB2	2.02	0.59
3:E:1501:NDP:P2B	3:E:1501:NDP:O3B	2.60	0.59
1:A:319:ARG:NH1	1:A:322:GLN:HE22	1.93	0.59
1:C:144:ASP:OD2	1:D:220:LYS:HB2	2.02	0.59
1:F:121:LEU:HD12	1:F:285:GLN:O	2.03	0.59
1:F:201:LEU:HD22	1:F:268:ILE:HD11	1.83	0.59
1:B:251:ARG:HG3	1:B:251:ARG:NH1	2.17	0.59
1:E:338:TRP:O	1:E:342:LEU:HG	2.01	0.59
1:A:213:THR:HG22	1:A:215:ASN:H	1.66	0.59
1:B:356:LYS:O	1:B:360:ILE:HG13	2.03	0.59
1:D:330:ASN:ND2	1:D:332:ILE:HG13	2.17	0.59

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:195:ALA:HA	1:F:229:PHE:CZ	2.37	0.59
1:A:146:LEU:CD1	1:B:220:LYS:HB3	2.33	0.59
1:B:297:LEU:HD12	1:B:297:LEU:C	2.22	0.59
1:E:131:ILE:HD13	1:E:269:MET:HB2	1.83	0.59
1:B:402:GLU:O	1:B:406:GLN:HG3	2.02	0.59
1:C:116:PRO:CB	1:C:370:GLN:HE22	2.16	0.59
1:C:251:ARG:CD	1:D:316:ARG:HH22	2.15	0.59
1:E:409:ILE:C	1:E:411:SER:H	2.04	0.59
1:C:182:MET:HE1	1:D:218:LEU:HD21	1.83	0.59
1:D:35:TYR:CE2	1:D:409:ILE:HD12	2.38	0.59
1:D:330:ASN:ND2	1:D:332:ILE:H	2.01	0.59
1:E:405:LEU:HD22	1:E:409:ILE:HD11	1.85	0.59
1:B:44:ASP:O	1:B:57:ILE:HD13	2.03	0.58
1:E:251:ARG:HD3	1:F:316:ARG:HH22	1.68	0.58
1:E:352:PRO:O	1:E:356:LYS:HG3	2.03	0.58
3:E:1501:NDP:H42N	4:E:1502:AKG:C2	2.33	0.58
1:D:153:LEU:HD12	1:D:172:VAL:HB	1.85	0.58
1:D:211:LEU:HD22	1:D:212:SER:N	2.18	0.58
1:D:336:PHE:CZ	1:D:362:GLU:HG2	2.38	0.58
3:F:1601:NDP:O3X	3:F:1601:NDP:H3B	2.04	0.58
1:C:2:PHE:N	1:C:2:PHE:CD2	2.70	0.58
1:E:219:LYS:HD3	1:F:92:MET:HE3	1.84	0.58
1:E:330:ASN:HD21	1:E:332:ILE:HG13	1.68	0.58
1:F:301:ASP:HB3	1:F:303:LYS:CD	2.32	0.58
1:B:330:ASN:HD22	1:B:330:ASN:C	2.07	0.58
1:C:330:ASN:HD22	1:C:331:SER:N	2.02	0.58
1:E:213:THR:CG2	1:E:214:LYS:N	2.66	0.58
1:C:144:ASP:O	1:D:220:LYS:HD2	2.04	0.58
1:F:147:ILE:HG13	1:F:175:TYR:CZ	2.38	0.58
1:B:213:THR:HG22	1:B:214:LYS:N	2.17	0.58
1:E:319:ARG:HH11	1:E:322:GLN:NE2	2.02	0.58
1:F:405:LEU:HD22	1:F:409:ILE:CD1	2.27	0.58
1:C:182:MET:HE1	1:D:218:LEU:CD2	2.34	0.58
1:C:213:THR:HG21	1:C:215:ASN:HB3	1.86	0.58
1:D:116:PRO:HD2	1:D:370:GLN:HE21	1.67	0.58
3:E:1501:NDP:C5N	4:E:1502:AKG:H42	2.34	0.58
1:A:13:GLU:C	1:A:14:LEU:HD23	2.24	0.58
1:B:213:THR:HG23	1:B:214:LYS:H	1.68	0.58
1:C:251:ARG:HE	1:D:316:ARG:NH2	2.02	0.58
1:F:153:LEU:HD12	1:F:172:VAL:CB	2.34	0.58
1:A:19:MET:CE	1:A:318:TYR:HA	2.34	0.57

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:201:LEU:HD23	1:D:201:LEU:O	2.03	0.57
1:D:213:THR:CG2	1:D:214:LYS:N	2.67	0.57
1:C:50:ARG:HA	1:C:53:THR:HG22	1.86	0.57
1:C:203:ILE:HG23	1:C:244:LEU:HD11	1.86	0.57
1:C:213:THR:CG2	1:C:215:ASN:HB3	2.35	0.57
1:D:14:LEU:HD21	1:D:65:ILE:HD11	1.85	0.57
1:A:116:PRO:HD2	1:A:370:GLN:HE21	1.68	0.57
1:B:108:VAL:HG23	1:B:135:ALA:HB2	1.87	0.57
1:D:53:THR:HG21	1:D:57:ILE:HB	1.86	0.57
1:E:119:PRO:C	1:E:120:ARG:HG3	2.24	0.57
1:B:16:GLY:HA3	1:B:75:ALA:O	2.05	0.57
1:B:117:ARG:HB2	1:B:370:GLN:OE1	2.03	0.57
1:F:312:GLY:N	3:F:1601:NDP:O1A	2.35	0.57
1:B:301:ASP:CB	1:B:303:LYS:HG2	2.34	0.57
1:D:201:LEU:HD21	1:D:205:LYS:HG3	1.86	0.57
1:A:404:ARG:NH1	1:A:408:GLU:OE2	2.33	0.57
1:C:213:THR:CG2	1:C:214:LYS:N	2.67	0.57
1:F:330:ASN:HD22	1:F:332:ILE:H	1.52	0.57
1:B:166:GLN:HB3	1:B:167:PRO:HD2	1.86	0.56
1:C:178:SER:O	1:D:188:ASP:HB2	2.04	0.56
1:E:281:ASP:OD1	1:F:254:ASP:HB3	2.05	0.56
1:A:92:MET:CE	1:B:219:LYS:HB3	2.36	0.56
1:E:87:PHE:HB2	1:E:89:LEU:HD21	1.86	0.56
1:E:219:LYS:HB3	1:F:92:MET:HE3	1.85	0.56
1:C:201:LEU:HD22	1:C:268:ILE:HD11	1.88	0.56
1:C:404:ARG:HB2	5:C:1330:HOH:O	2.05	0.56
1:E:124:ARG:HH11	1:F:121:LEU:HD21	1.71	0.56
1:E:251:ARG:HD3	1:F:316:ARG:NH2	2.20	0.56
1:C:319:ARG:NH1	1:C:322:GLN:HE22	2.04	0.56
1:E:24:TRP:CH2	1:E:72:ILE:HG22	2.41	0.56
1:F:172:VAL:O	1:F:173:TYR:HB2	2.05	0.56
1:B:271:LEU:HB3	1:B:275:ASP:HB2	1.86	0.56
1:E:212:SER:OG	1:E:256:MET:HG2	2.05	0.56
1:A:76:THR:O	3:A:1101:NDP:H2N	2.06	0.56
1:A:160:SER:O	1:A:162:PRO:HD3	2.06	0.56
1:D:19:MET:HE3	1:D:327:THR:HG21	1.88	0.56
1:E:164:THR:HG22	1:E:164:THR:O	2.06	0.56
1:B:308:GLU:HG3	1:B:309:ALA:O	2.05	0.56
1:D:120:ARG:CZ	1:D:125:TRP:O	2.54	0.56
1:F:330:ASN:ND2	1:F:332:ILE:H	2.04	0.56
1:B:138:ASP:HB3	1:B:139:GLN:OE1	2.06	0.56

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:153:LEU:C	1:E:154:GLU:HG3	2.26	0.56
1:C:330:ASN:HD21	1:C:332:ILE:CG1	2.17	0.56
1:D:2:PHE:N	1:D:2:PHE:CD2	2.74	0.55
3:D:1401:NDP:H42N	4:D:1402:AKG:C4	2.33	0.55
1:F:224:ARG:NH1	1:F:228:ILE:CG1	2.69	0.55
1:B:161:ASP:O	1:B:163:THR:N	2.38	0.55
1:D:117:ARG:H	1:D:370:GLN:NE2	2.03	0.55
1:F:99:THR:O	1:F:103:ILE:HG13	2.05	0.55
1:F:230:GLN:HE21	1:F:234:GLU:CG	2.20	0.55
3:F:1601:NDP:O3X	3:F:1601:NDP:C3B	2.53	0.55
1:A:147:ILE:HG13	1:A:175:TYR:CZ	2.42	0.55
3:A:1101:NDP:C4N	4:A:1102:AKG:C4	2.83	0.55
1:F:301:ASP:HB3	1:F:303:LYS:HG2	1.88	0.55
1:A:10:PRO:HG2	1:A:68:TYR:HD2	1.71	0.55
1:A:308:GLU:HG3	1:A:309:ALA:O	2.06	0.55
1:F:330:ASN:ND2	1:F:332:ILE:HG13	2.21	0.55
3:F:1601:NDP:C5N	4:F:1602:AKG:H42	2.35	0.55
1:A:129:ILE:HG13	1:A:287:PHE:HZ	1.72	0.55
1:C:258:ALA:O	1:D:285:GLN:HG2	2.07	0.55
1:D:312:GLY:N	3:D:1401:NDP:O1A	2.37	0.55
1:E:36:LEU:HB3	1:E:38:VAL:HG13	1.88	0.55
1:E:139:GLN:HA	1:E:142:ALA:HB2	1.87	0.55
1:D:314:VAL:HG12	1:D:314:VAL:O	2.07	0.55
1:A:201:LEU:CD2	1:A:205:LYS:HG3	2.37	0.55
1:B:312:GLY:N	3:B:1201:NDP:O1A	2.36	0.55
1:C:201:LEU:HD23	1:C:201:LEU:O	2.06	0.55
1:C:219:LYS:HD3	1:D:92:MET:HE3	1.88	0.55
3:D:1401:NDP:H3B	3:D:1401:NDP:O3X	2.07	0.55
1:E:279:GLN:O	1:E:283:VAL:HG23	2.06	0.55
1:F:13:GLU:C	1:F:14:LEU:HD23	2.26	0.55
1:C:406:GLN:HA	1:C:409:ILE:HD12	1.88	0.55
1:D:374:ILE:HG23	1:D:392:VAL:HG11	1.87	0.55
1:D:388:ARG:O	1:D:388:ARG:HD3	2.07	0.55
1:F:122:VAL:HG11	1:F:125:TRP:CE2	2.42	0.55
1:A:213:THR:HG23	1:A:214:LYS:H	1.72	0.54
1:A:296:ILE:HD11	1:A:344:LYS:HG3	1.89	0.54
1:B:19:MET:HE3	1:B:327:THR:HG21	1.89	0.54
1:E:144:ASP:OD2	1:F:220:LYS:HB2	2.06	0.54
1:F:36:LEU:HB3	1:F:38:VAL:HG13	1.89	0.54
1:A:36:LEU:HB3	1:A:38:VAL:HG13	1.89	0.54
3:A:1101:NDP:H42N	4:A:1102:AKG:C2	2.37	0.54

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:A:1101:NDP:C5N	4:A:1102:AKG:H42	2.37	0.54
1:B:17:ASP:OD1	1:B:46:SER:HA	2.08	0.54
1:B:86:GLU:HG2	1:B:87:PHE:CE1	2.43	0.54
1:B:105:GLY:O	1:B:297:LEU:HD11	2.07	0.54
1:C:109:PHE:CE1	1:C:201:LEU:HD12	2.42	0.54
1:C:121:LEU:HD12	1:C:285:GLN:O	2.06	0.54
1:E:367:ASN:HB3	1:E:371:GLN:HG3	1.89	0.54
1:A:319:ARG:HD3	1:A:322:GLN:NE2	2.22	0.54
3:A:1101:NDP:O3X	3:A:1101:NDP:C3B	2.55	0.54
1:E:105:GLY:O	1:E:297:LEU:HD11	2.07	0.54
1:C:106:GLY:CA	1:C:300:PRO:HD3	2.37	0.54
3:C:1301:NDP:O3X	3:C:1301:NDP:C3B	2.56	0.54
1:E:146:LEU:HD12	1:F:220:LYS:HB3	1.90	0.54
1:D:102:ASN:OD1	1:D:141:LYS:HE3	2.08	0.54
1:E:213:THR:HG21	1:E:215:ASN:HB3	1.89	0.54
1:E:372:ASP:CG	1:E:404:ARG:HE	2.11	0.54
1:B:188:ASP:O	1:B:192:GLU:HG3	2.07	0.54
1:E:24:TRP:HH2	1:E:72:ILE:HG22	1.70	0.54
1:E:228:ILE:O	1:E:232:VAL:HG23	2.07	0.54
1:E:330:ASN:HD22	1:E:331:SER:N	2.05	0.54
1:D:117:ARG:CZ	1:D:370:GLN:O	2.56	0.54
1:E:213:THR:HG23	1:E:215:ASN:N	2.22	0.54
1:B:124:ARG:O	1:B:264:LYS:HA	2.07	0.54
1:C:387:GLU:HG3	1:C:390:ALA:HB2	1.90	0.54
1:C:221:TYR:CE1	1:D:180:VAL:HG23	2.43	0.54
1:F:76:THR:O	3:F:1601:NDP:H2N	2.08	0.54
1:A:14:LEU:HD23	1:A:14:LEU:N	2.22	0.53
1:C:116:PRO:HB2	1:C:370:GLN:NE2	2.19	0.53
1:C:201:LEU:HD22	1:C:268:ILE:CD1	2.38	0.53
1:F:117:ARG:CZ	1:F:370:GLN:O	2.56	0.53
1:B:102:ASN:ND2	1:B:141:LYS:HG3	2.23	0.53
1:C:36:LEU:HB3	1:C:38:VAL:CG1	2.33	0.53
1:C:301:ASP:HB3	1:C:303:LYS:CG	2.27	0.53
1:B:7:VAL:CB	1:B:38:VAL:HG12	2.39	0.53
1:B:86:GLU:HG2	1:B:87:PHE:CD1	2.43	0.53
1:B:213:THR:CG2	1:B:214:LYS:H	2.21	0.53
1:C:92:MET:HE3	1:D:219:LYS:HD3	1.90	0.53
3:D:1401:NDP:O3X	3:D:1401:NDP:C3B	2.56	0.53
1:F:50:ARG:HA	1:F:53:THR:HG22	1.90	0.53
1:F:54:SER:HA	1:F:93:TRP:CH2	2.43	0.53
1:A:284:ALA:HB2	1:A:293:MET:SD	2.48	0.53

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:8:LYS:HD3	1:B:349:ASP:HB3	1.91	0.53
1:C:327:THR:CG2	1:C:394:THR:OG1	2.50	0.53
1:D:27:ILE:HG23	1:D:31:LEU:HD12	1.90	0.53
1:D:199:PHE:CZ	1:D:233:TYR:HB2	2.43	0.53
1:E:73:LYS:HZ3	1:E:76:THR:HG23	1.73	0.53
1:A:220:LYS:HB3	1:B:146:LEU:CD1	2.37	0.53
1:F:238:LYS:O	1:F:242:GLU:HG3	2.09	0.53
1:B:2:PHE:N	1:B:2:PHE:CD2	2.75	0.53
1:B:121:LEU:O	1:B:123:PRO:HD3	2.08	0.53
1:C:259:GLN:NE2	3:D:1401:NDP:O3B	2.41	0.53
1:D:330:ASN:HD22	1:D:331:SER:N	2.06	0.53
1:A:297:LEU:HD12	1:A:298:VAL:N	2.23	0.53
1:B:161:ASP:C	1:B:163:THR:H	2.11	0.53
1:D:279:GLN:O	1:D:283:VAL:HG23	2.08	0.53
1:D:374:ILE:CG2	1:D:392:VAL:HG11	2.39	0.53
3:E:1501:NDP:O3X	3:E:1501:NDP:H3B	2.09	0.53
1:F:213:THR:CG2	1:F:214:LYS:N	2.72	0.53
1:B:56:LYS:O	1:B:59:GLN:HB2	2.08	0.53
1:A:124:ARG:HD3	1:A:262:LYS:O	2.09	0.53
1:B:409:ILE:O	1:B:409:ILE:HG22	2.09	0.53
1:C:21:ARG:NH2	1:C:44:ASP:OD1	2.42	0.53
1:C:127:LYS:HG3	1:C:128:PRO:HD2	1.90	0.53
1:D:330:ASN:HD21	1:D:332:ILE:CD1	2.21	0.53
1:E:319:ARG:HH11	1:E:322:GLN:HE22	1.55	0.53
1:A:109:PHE:CD1	1:A:201:LEU:HD12	2.45	0.52
1:D:330:ASN:HD22	1:D:332:ILE:H	1.56	0.52
1:C:219:LYS:HD3	1:D:92:MET:CE	2.40	0.52
1:D:364:ALA:HA	1:D:408:GLU:OE2	2.10	0.52
1:E:238:LYS:O	1:E:242:GLU:HG3	2.09	0.52
1:C:106:GLY:HA2	1:C:300:PRO:HD3	1.90	0.52
1:C:388:ARG:HD3	1:C:388:ARG:C	2.28	0.52
1:A:301:ASP:HB2	1:A:303:LYS:HG2	1.92	0.52
1:D:305:PHE:N	1:D:305:PHE:CD2	2.78	0.52
1:E:251:ARG:CD	1:F:316:ARG:HH22	2.23	0.52
1:F:12:VAL:HG12	1:F:14:LEU:HD21	1.92	0.52
1:A:24:TRP:CH2	1:A:72:ILE:HG22	2.45	0.52
1:F:393:THR:H	1:F:396:GLU:HB2	1.74	0.52
1:A:213:THR:HG23	1:A:214:LYS:N	2.23	0.52
1:E:213:THR:HG23	1:E:214:LYS:H	1.73	0.52
1:E:316:ARG:HH22	1:F:251:ARG:NE	2.07	0.52
1:F:284:ALA:HB2	1:F:293:MET:SD	2.50	0.52

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:80:ASP:O	1:B:83:ARG:N	2.43	0.52
1:C:213:THR:HG23	1:C:222:ASP:CB	2.34	0.52
1:B:388:ARG:HD3	1:B:388:ARG:C	2.31	0.52
1:C:117:ARG:HB2	1:C:370:GLN:OE1	2.10	0.52
1:C:330:ASN:ND2	1:C:332:ILE:H	2.08	0.52
1:D:117:ARG:HB2	1:D:370:GLN:OE1	2.10	0.52
1:D:397:PHE:O	1:D:401:VAL:HG23	2.10	0.52
1:E:153:LEU:O	1:E:154:GLU:HG3	2.10	0.52
1:A:368:THR:HG22	1:A:374:ILE:HB	1.92	0.51
1:C:284:ALA:HB2	1:C:293:MET:SD	2.49	0.51
1:C:330:ASN:ND2	1:C:332:ILE:HG13	2.22	0.51
1:E:220:LYS:HB3	1:F:146:LEU:HD11	1.90	0.51
1:A:24:TRP:HH2	1:A:72:ILE:HG22	1.74	0.51
1:A:50:ARG:HA	1:A:53:THR:CG2	2.40	0.51
1:C:92:MET:HE2	1:D:219:LYS:HD3	1.91	0.51
1:F:53:THR:HG21	1:F:57:ILE:CG2	2.39	0.51
1:C:183:ALA:HB2	1:D:155:LEU:HD23	1.92	0.51
1:F:201:LEU:HD22	1:F:268:ILE:CD1	2.40	0.51
1:C:251:ARG:CD	1:D:316:ARG:NH2	2.73	0.51
1:E:73:LYS:NZ	1:E:76:THR:HG23	2.26	0.51
3:E:1501:NDP:O3X	3:E:1501:NDP:C3B	2.58	0.51
1:A:7:VAL:CG2	1:A:38:VAL:HG12	2.40	0.51
1:B:116:PRO:CD	1:B:370:GLN:NE2	2.74	0.51
1:B:405:LEU:CD2	1:B:409:ILE:HD11	2.35	0.51
1:C:116:PRO:CD	1:C:370:GLN:NE2	2.74	0.51
1:E:213:THR:HG23	1:E:215:ASN:H	1.76	0.51
1:F:116:PRO:HB2	1:F:370:GLN:NE2	2.18	0.51
1:A:12:VAL:HG12	1:A:14:LEU:HD21	1.93	0.51
1:A:235:ALA:O	1:A:236:GLN:HB3	2.11	0.51
1:E:131:ILE:HG23	1:E:271:LEU:HD12	1.93	0.51
1:E:161:ASP:C	1:E:163:THR:H	2.14	0.51
1:F:146:LEU:HD12	1:F:146:LEU:N	2.26	0.51
1:B:54:SER:HA	1:B:93:TRP:CH2	2.45	0.51
1:C:139:GLN:HB3	1:C:184:MET:CE	2.41	0.51
1:D:297:LEU:HD12	1:D:297:LEU:C	2.29	0.51
1:D:326:GLU:OE1	1:D:388:ARG:NH2	2.37	0.51
1:B:336:PHE:CE2	1:B:362:GLU:HG2	2.46	0.51
1:A:292:LEU:HD11	1:A:379:LEU:HD21	1.91	0.51
1:C:13:GLU:C	1:C:14:LEU:HD23	2.30	0.51
1:C:172:VAL:O	1:C:173:TYR:HB2	2.11	0.51
1:C:326:GLU:CD	1:C:388:ARG:HH21	2.13	0.51

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:2:PHE:N	1:D:2:PHE:HD2	2.08	0.51
1:D:405:LEU:O	1:D:409:ILE:HG13	2.11	0.51
1:F:2:PHE:N	1:F:2:PHE:CD2	2.79	0.51
1:E:220:LYS:HB3	1:F:146:LEU:CD1	2.41	0.50
1:F:22:ILE:HD11	1:F:321:TYR:CE2	2.46	0.50
1:A:281:ASP:OD1	1:B:254:ASP:HB3	2.10	0.50
1:E:104:LEU:O	1:E:299:THR:HG22	2.12	0.50
1:E:153:LEU:HB2	1:E:175:TYR:HE1	1.76	0.50
1:A:220:LYS:HD2	1:B:145:THR:HA	1.92	0.50
1:A:370:GLN:OE1	1:A:370:GLN:HA	2.10	0.50
1:C:10:PRO:HB3	1:C:39:ASP:OD2	2.11	0.50
1:D:202:ALA:HA	1:D:268:ILE:HD12	1.94	0.50
1:F:56:LYS:O	1:F:59:GLN:HB2	2.10	0.50
1:D:90:HIS:CD2	1:D:91:LYS:HG3	2.47	0.50
1:B:330:ASN:ND2	1:B:332:ILE:HG13	2.24	0.50
1:E:153:LEU:HD12	1:E:172:VAL:CB	2.31	0.50
1:F:7:VAL:HG21	1:F:38:VAL:CG1	2.34	0.50
1:A:116:PRO:CB	1:A:370:GLN:HE22	2.23	0.50
1:C:9:GLN:HA	1:C:9:GLN:OE1	2.12	0.50
1:C:201:LEU:HD23	1:C:205:LYS:HG3	1.93	0.50
1:C:241:PHE:CD2	1:C:246:ILE:HG13	2.46	0.50
1:D:403:LYS:O	1:D:407:LYS:HG2	2.11	0.50
1:E:182:MET:HE1	1:F:218:LEU:HD21	1.94	0.50
1:B:201:LEU:HD22	1:B:268:ILE:CD1	2.42	0.50
1:D:120:ARG:NH1	5:D:1422:HOH:O	2.44	0.50
1:F:127:LYS:HG3	1:F:128:PRO:HD2	1.93	0.50
1:A:153:LEU:HD21	1:B:155:LEU:HD11	1.93	0.50
1:B:76:THR:O	3:B:1201:NDP:H2N	2.12	0.50
1:B:330:ASN:HD21	1:B:332:ILE:CB	2.24	0.50
1:C:111:GLU:HB2	1:C:112:PRO:HD2	1.94	0.50
1:D:73:LYS:HG2	1:D:74:CYS:O	2.12	0.50
1:D:301:ASP:OD1	1:D:301:ASP:N	2.42	0.50
1:F:26:LYS:NZ	1:F:395:GLU:HG3	2.26	0.50
1:F:297:LEU:O	1:F:305:PHE:HA	2.11	0.50
1:A:10:PRO:CG	1:A:68:TYR:CD2	2.94	0.49
1:C:10:PRO:HG2	1:C:68:TYR:HD2	1.75	0.49
1:C:238:LYS:O	1:C:242:GLU:HG3	2.12	0.49
1:C:405:LEU:O	1:C:409:ILE:HG13	2.11	0.49
1:A:352:PRO:O	1:A:356:LYS:HG3	2.12	0.49
1:B:80:ASP:O	1:B:81:GLU:C	2.49	0.49
1:D:171:LYS:HE2	1:D:174:ASP:OD1	2.11	0.49

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:318:TYR:O	1:A:322:GLN:HG3	2.13	0.49
1:C:409:ILE:C	1:C:411:SER:H	2.14	0.49
1:F:35:TYR:CE2	1:F:409:ILE:HD12	2.46	0.49
1:A:50:ARG:CA	1:A:53:THR:HG22	2.42	0.49
1:D:5:ILE:HB	1:D:36:LEU:HD23	1.95	0.49
1:D:213:THR:HG23	1:D:222:ASP:CB	2.35	0.49
1:E:102:ASN:ND2	1:E:141:LYS:HG3	2.27	0.49
1:E:224:ARG:O	1:E:228:ILE:HG13	2.12	0.49
1:E:388:ARG:HD3	1:E:388:ARG:C	2.33	0.49
1:F:301:ASP:CB	1:F:303:LYS:HG2	2.42	0.49
1:B:50:ARG:HA	1:B:53:THR:HG22	1.92	0.49
1:B:133:ARG:HD2	1:B:277:ASP:N	2.27	0.49
1:C:151:GLY:HA3	1:D:159:PRO:HA	1.95	0.49
1:A:53:THR:HG21	1:A:57:ILE:CG2	2.40	0.49
1:C:274:TYR:O	1:C:278:VAL:HG23	2.13	0.49
1:C:350:ASN:O	1:C:352:PRO:HD2	2.13	0.49
1:F:127:LYS:HD3	1:F:266:GLY:HA3	1.94	0.49
1:D:134:HIS:HB2	1:D:194:PHE:CE1	2.47	0.49
1:D:203:ILE:HG23	1:D:244:LEU:CD1	2.42	0.49
1:D:351:THR:O	1:D:353:ALA:N	2.46	0.49
1:E:343:LEU:O	1:E:347:GLU:HG3	2.12	0.49
1:F:387:GLU:HG3	1:F:390:ALA:HB2	1.94	0.49
1:F:409:ILE:HG22	1:F:409:ILE:O	2.13	0.49
1:A:127:LYS:HD3	1:A:266:GLY:HA3	1.95	0.49
1:B:293:MET:HG2	1:B:310:ALA:HB2	1.95	0.49
3:B:1201:NDP:P2B	3:B:1201:NDP:HO3A	2.36	0.49
3:C:1301:NDP:O3X	3:C:1301:NDP:H3B	2.13	0.49
1:D:23:ILE:O	1:D:27:ILE:HG13	2.12	0.49
1:E:50:ARG:HA	1:E:53:THR:HG22	1.93	0.49
1:E:201:LEU:CD2	1:E:205:LYS:HG3	2.43	0.49
1:F:212:SER:OG	1:F:256:MET:HG2	2.13	0.49
1:A:170:LEU:HD11	1:B:145:THR:HG21	1.95	0.49
1:A:203:ILE:HG23	1:A:244:LEU:CD1	2.42	0.49
1:B:7:VAL:HB	1:B:38:VAL:HG12	1.95	0.49
1:F:72:ILE:HD13	1:F:338:TRP:HA	1.95	0.49
1:D:187:THR:O	1:D:191:ILE:HG13	2.13	0.48
1:F:240:LYS:HG3	5:F:1638:HOH:O	2.13	0.48
1:A:31:LEU:CD2	1:A:405:LEU:HD12	2.42	0.48
1:A:301:ASP:HB3	1:A:303:LYS:HG2	1.94	0.48
1:A:393:THR:HG23	1:A:396:GLU:OE2	2.13	0.48
1:B:249:GLU:OE1	1:B:251:ARG:NE	2.46	0.48

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:17:ASP:OD1	1:D:46:SER:HA	2.13	0.48
1:D:131:ILE:HD13	1:D:269:MET:HB2	1.94	0.48
1:A:171:LYS:HE2	1:A:174:ASP:OD1	2.13	0.48
1:A:367:ASN:HB3	1:A:371:GLN:CG	2.44	0.48
1:C:336:PHE:CZ	1:C:362:GLU:HG2	2.49	0.48
1:F:17:ASP:CB	1:F:77:ILE:HG13	2.43	0.48
1:B:251:ARG:HD2	1:B:255:ASP:OD1	2.13	0.48
1:C:251:ARG:HD3	1:D:316:ARG:NH2	2.27	0.48
1:C:284:ALA:HB3	1:C:290:LEU:HD23	1.96	0.48
1:F:388:ARG:O	1:F:388:ARG:HD3	2.13	0.48
1:C:2:PHE:N	1:C:2:PHE:HD2	2.09	0.48
1:E:213:THR:CG2	1:E:215:ASN:HB3	2.43	0.48
1:E:117:ARG:HB2	1:E:370:GLN:OE1	2.14	0.48
1:F:224:ARG:HH12	1:F:228:ILE:CG1	2.26	0.48
1:E:187:THR:O	1:E:191:ILE:HG13	2.14	0.48
1:F:330:ASN:HD22	1:F:331:SER:N	2.11	0.48
1:A:319:ARG:HD3	1:A:322:GLN:HE21	1.77	0.48
1:E:183:ALA:HB2	1:F:155:LEU:HD23	1.96	0.48
1:F:292:LEU:HD11	1:F:379:LEU:CD2	2.43	0.48
1:A:121:LEU:C	1:A:123:PRO:HD3	2.34	0.48
1:A:129:ILE:HG13	1:A:287:PHE:CZ	2.48	0.48
1:E:316:ARG:HH22	1:F:251:ARG:CD	2.27	0.48
1:F:201:LEU:HD23	1:F:201:LEU:O	2.14	0.48
1:B:19:MET:HE1	1:B:318:TYR:HA	1.96	0.48
1:A:153:LEU:HD12	1:A:172:VAL:CB	2.44	0.47
1:B:55:ASP:HB2	1:B:93:TRP:CE3	2.49	0.47
1:B:121:LEU:C	1:B:123:PRO:HD3	2.34	0.47
1:B:405:LEU:HD13	1:B:409:ILE:HD11	1.96	0.47
1:C:178:SER:C	1:D:188:ASP:OD2	2.52	0.47
1:D:9:GLN:OE1	1:D:9:GLN:HA	2.13	0.47
1:D:134:HIS:O	1:D:273:ASN:HA	2.13	0.47
1:E:146:LEU:HD11	1:F:220:LYS:HB3	1.93	0.47
1:F:12:VAL:HG12	1:F:14:LEU:CD2	2.44	0.47
1:F:134:HIS:HB2	1:F:194:PHE:CE1	2.49	0.47
1:F:230:GLN:O	1:F:234:GLU:HG3	2.14	0.47
1:A:159:PRO:HA	1:B:151:GLY:HA3	1.96	0.47
1:A:258:ALA:O	1:B:285:GLN:HG2	2.14	0.47
3:B:1201:NDP:O3B	3:B:1201:NDP:O1X	2.31	0.47
1:E:111:GLU:HB3	1:E:130:ILE:HG12	1.96	0.47
1:E:175:TYR:OH	1:E:181:ALA:HB2	2.14	0.47
1:A:256:MET:HG3	1:A:269:MET:HE3	1.97	0.47

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:GLU:OE2	1:C:28:LYS:NZ	2.35	0.47
1:D:188:ASP:O	1:D:192:GLU:HG3	2.13	0.47
1:E:2:PHE:N	1:E:2:PHE:CD2	2.81	0.47
1:E:191:ILE:HG21	1:E:228:ILE:HD12	1.96	0.47
1:F:292:LEU:HD11	1:F:379:LEU:HD21	1.95	0.47
1:C:156:VAL:HG11	1:C:158:LYS:HE3	1.96	0.47
1:C:175:TYR:OH	1:C:181:ALA:HB2	2.14	0.47
1:E:124:ARG:HB3	5:E:1530:HOH:O	2.14	0.47
1:C:116:PRO:HD2	1:C:370:GLN:HE21	1.79	0.47
1:C:127:LYS:HG2	1:C:266:GLY:HA2	1.97	0.47
1:D:210:PHE:CE2	1:D:251:ARG:NH2	2.82	0.47
1:E:221:TYR:HD1	1:F:182:MET:HB3	1.80	0.47
1:F:246:ILE:O	1:F:246:ILE:HG13	2.13	0.47
1:A:134:HIS:HE1	1:A:186:ASN:OD1	1.96	0.47
1:A:213:THR:HG23	1:A:222:ASP:CB	2.40	0.47
1:C:18:GLU:HB3	1:C:318:TYR:CG	2.49	0.47
1:C:76:THR:O	3:C:1301:NDP:H2N	2.14	0.47
1:D:161:ASP:C	1:D:163:THR:H	2.18	0.47
1:D:356:LYS:O	1:D:360:ILE:HG13	2.15	0.47
1:F:299:THR:OG1	1:F:304:THR:HB	2.14	0.47
1:A:24:TRP:CD2	1:A:74:CYS:HB2	2.49	0.47
1:A:92:MET:CE	1:B:219:LYS:HD3	2.44	0.47
1:F:121:LEU:O	1:F:123:PRO:HD3	2.14	0.47
1:F:213:THR:CG2	1:F:250:HIS:NE2	2.77	0.47
1:A:224:ARG:HD3	1:B:146:LEU:HD21	1.97	0.47
1:B:119:PRO:O	1:B:120:ARG:HG3	2.15	0.47
1:F:251:ARG:CD	1:F:255:ASP:OD1	2.62	0.47
1:C:146:LEU:HD12	1:D:220:LYS:HB3	1.97	0.47
1:D:116:PRO:HB2	1:D:370:GLN:HE22	1.80	0.47
1:A:108:VAL:HG23	1:A:135:ALA:HB2	1.97	0.46
1:A:140:TYR:CE1	1:A:274:TYR:HA	2.48	0.46
1:B:228:ILE:O	1:B:232:VAL:HG23	2.15	0.46
1:C:188:ASP:O	1:C:192:GLU:HG3	2.15	0.46
1:C:203:ILE:HG23	1:C:244:LEU:CD1	2.45	0.46
1:A:327:THR:CG2	1:A:394:THR:OG1	2.61	0.46
1:A:356:LYS:O	1:A:360:ILE:HG13	2.15	0.46
1:C:130:ILE:HB	1:C:268:ILE:HG12	1.96	0.46
1:E:29:LYS:O	1:E:34:PRO:HD3	2.15	0.46
1:A:79:PRO:O	1:B:219:LYS:NZ	2.48	0.46
1:A:79:PRO:HG2	1:A:93:TRP:O	2.14	0.46
1:A:161:ASP:C	1:A:163:THR:H	2.18	0.46

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:330:ASN:ND2	1:E:332:ILE:H	2.14	0.46
1:F:120:ARG:NH2	1:F:126:GLU:HA	2.30	0.46
1:B:21:ARG:HH22	1:B:44:ASP:CG	2.18	0.46
3:B:1201:NDP:C4N	4:B:1202:AKG:C4	2.91	0.46
1:D:106:GLY:O	1:D:135:ALA:HB3	2.15	0.46
1:D:109:PHE:CD1	1:D:201:LEU:CD1	2.98	0.46
1:E:111:GLU:HG3	5:E:1509:HOH:O	2.15	0.46
1:F:305:PHE:N	1:F:305:PHE:CD2	2.82	0.46
1:A:79:PRO:HG3	1:A:93:TRP:HB2	1.97	0.46
1:A:124:ARG:O	1:A:264:LYS:HA	2.15	0.46
1:A:144:ASP:OD2	1:B:220:LYS:HB2	2.16	0.46
1:C:318:TYR:O	1:C:322:GLN:HG3	2.16	0.46
1:E:172:VAL:O	1:E:173:TYR:HB2	2.16	0.46
1:A:117:ARG:HB2	1:A:370:GLN:OE1	2.15	0.46
1:A:402:GLU:O	1:A:406:GLN:HG3	2.16	0.46
1:D:8:LYS:HD3	1:D:349:ASP:HB3	1.97	0.46
1:E:116:PRO:HD2	1:E:370:GLN:NE2	2.31	0.46
1:F:36:LEU:CB	1:F:38:VAL:HG13	2.45	0.46
1:B:2:PHE:N	1:B:2:PHE:HD2	2.13	0.46
1:D:330:ASN:HD21	1:D:332:ILE:HD12	1.81	0.46
1:E:115:ILE:HG22	1:E:118:ILE:HG12	1.98	0.46
1:E:136:HIS:ND1	1:E:137:GLY:N	2.64	0.46
1:E:285:GLN:HG2	1:F:258:ALA:O	2.16	0.46
1:E:316:ARG:NH2	1:F:251:ARG:NE	2.64	0.46
1:B:201:LEU:HD22	1:B:268:ILE:HD11	1.97	0.46
1:C:219:LYS:NZ	1:D:79:PRO:O	2.47	0.46
1:D:29:LYS:O	1:D:34:PRO:CD	2.62	0.46
1:A:253:ILE:HG23	1:A:254:ASP:N	2.30	0.46
1:B:47:VAL:HG13	1:B:77:ILE:HB	1.97	0.46
1:C:212:SER:OG	1:C:256:MET:HG2	2.15	0.46
1:D:127:LYS:HD3	1:D:266:GLY:HA3	1.98	0.46
1:E:313:THR:C	1:E:314:VAL:HG23	2.35	0.46
1:A:116:PRO:CD	1:A:370:GLN:NE2	2.79	0.46
1:B:153:LEU:HD13	1:B:154:GLU:N	2.31	0.46
1:C:127:LYS:O	1:C:265:GLY:HA3	2.16	0.46
1:D:212:SER:OG	1:D:256:MET:HG2	2.16	0.46
1:E:241:PHE:CD2	1:E:246:ILE:HG13	2.51	0.46
1:F:211:LEU:HD23	1:F:212:SER:N	2.31	0.46
1:A:212:SER:OG	1:A:256:MET:HG2	2.16	0.45
1:A:238:LYS:O	1:A:242:GLU:HG3	2.17	0.45
1:B:14:LEU:HD23	1:B:14:LEU:N	2.30	0.45

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:181:ALA:O	1:B:182:MET:HB3	2.15	0.45
1:B:191:ILE:O	1:B:194:PHE:HB3	2.16	0.45
1:B:332:ILE:O	1:B:336:PHE:HD1	1.99	0.45
1:B:395:GLU:OE1	1:B:395:GLU:N	2.47	0.45
1:E:248:TYR:CG	1:E:249:GLU:N	2.84	0.45
1:E:331:SER:O	1:E:335:ILE:HG13	2.17	0.45
1:F:26:LYS:NZ	1:F:395:GLU:CG	2.79	0.45
1:A:211:LEU:CD2	1:A:211:LEU:C	2.85	0.45
1:A:256:MET:HG3	1:A:269:MET:CE	2.46	0.45
1:B:153:LEU:HD12	1:B:172:VAL:HB	1.97	0.45
1:C:80:ASP:O	1:C:81:GLU:C	2.54	0.45
1:F:14:LEU:HD23	1:F:14:LEU:N	2.32	0.45
1:F:17:ASP:OD1	1:F:46:SER:HA	2.16	0.45
1:B:12:VAL:HG12	1:B:14:LEU:HD21	1.98	0.45
1:C:110:ARG:HG2	1:C:295:SER:HB2	1.98	0.45
1:E:147:ILE:HG13	1:E:175:TYR:CZ	2.50	0.45
1:A:321:TYR:HD1	5:A:1110:HOH:O	2.00	0.45
1:D:109:PHE:CE1	1:D:201:LEU:HD12	2.50	0.45
1:F:250:HIS:ND1	1:F:250:HIS:C	2.69	0.45
1:A:67:LYS:HD3	1:A:68:TYR:CE1	2.51	0.45
1:D:230:GLN:NE2	5:D:1431:HOH:O	2.49	0.45
1:E:45:LEU:O	1:E:50:ARG:NE	2.37	0.45
1:F:111:GLU:HB2	1:F:112:PRO:HD2	1.97	0.45
1:A:139:GLN:NE2	5:A:1119:HOH:O	2.48	0.45
1:B:79:PRO:HG3	1:B:93:TRP:HB2	1.98	0.45
1:C:79:PRO:O	1:D:219:LYS:NZ	2.50	0.45
1:C:367:ASN:HB3	1:C:371:GLN:HG3	1.97	0.45
1:D:161:ASP:O	1:D:163:THR:N	2.50	0.45
1:E:19:MET:HE3	1:E:327:THR:HG21	1.99	0.45
1:F:327:THR:HG22	1:F:328:SER:H	1.82	0.45
1:A:161:ASP:O	1:A:163:THR:N	2.49	0.45
1:E:127:LYS:HD3	1:E:266:GLY:CA	2.45	0.45
1:F:211:LEU:HD12	1:F:229:PHE:CG	2.52	0.45
3:F:1601:NDP:O3B	3:F:1601:NDP:O1X	2.35	0.45
1:A:180:VAL:HG23	1:B:221:TYR:CE1	2.52	0.45
1:C:316:ARG:NH2	1:D:255:ASP:OD1	2.50	0.45
1:C:342:LEU:HB3	1:C:354:LEU:HD22	1.98	0.45
1:E:401:VAL:O	1:E:405:LEU:HB2	2.17	0.45
1:F:147:ILE:N	1:F:179:GLY:O	2.44	0.45
1:B:23:ILE:O	1:B:27:ILE:HG13	2.17	0.45
1:E:133:ARG:CZ	1:E:277:ASP:HB2	2.47	0.45

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:213:THR:HG23	1:C:214:LYS:N	2.32	0.45
1:E:219:LYS:HD3	1:F:92:MET:CE	2.46	0.45
1:F:326:GLU:CD	1:F:388:ARG:HH21	2.20	0.45
1:F:374:ILE:HG23	1:F:392:VAL:HG11	1.99	0.45
1:A:247:HIS:ND1	1:A:247:HIS:N	2.65	0.44
1:A:312:GLY:N	3:A:1101:NDP:O1A	2.41	0.44
1:B:368:THR:HG22	1:B:374:ILE:HB	1.99	0.44
1:C:213:THR:HG21	1:C:222:ASP:HB3	1.97	0.44
1:C:404:ARG:NH1	1:C:408:GLU:OE2	2.49	0.44
1:B:120:ARG:CZ	1:B:125:TRP:O	2.65	0.44
1:C:319:ARG:HD3	1:C:322:GLN:NE2	2.30	0.44
1:F:24:TRP:CD2	1:F:74:CYS:HB2	2.52	0.44
1:F:301:ASP:HB3	1:F:303:LYS:CG	2.46	0.44
1:C:288:GLY:O	1:C:289:SER:HB3	2.16	0.44
1:D:125:TRP:CZ3	1:D:286:GLY:HA3	2.52	0.44
1:F:24:TRP:HH2	1:F:72:ILE:HG22	1.82	0.44
1:A:291:GLY:O	1:A:333:ALA:HB2	2.18	0.44
1:C:129:ILE:HG13	1:C:287:PHE:HZ	1.82	0.44
1:C:216:THR:HB	1:D:78:THR:HG21	1.99	0.44
1:E:54:SER:HA	1:E:93:TRP:CH2	2.52	0.44
1:E:212:SER:HB3	1:E:253:ILE:HA	1.99	0.44
1:F:108:VAL:HG23	1:F:135:ALA:HB2	1.99	0.44
1:C:22:ILE:CD1	1:C:321:TYR:CE2	3.00	0.44
1:C:152:SER:O	1:D:157:TYR:HD1	2.00	0.44
1:C:201:LEU:HD21	1:C:205:LYS:HD2	2.00	0.44
1:D:57:ILE:HG23	1:D:58:THR:N	2.33	0.44
1:D:393:THR:H	1:D:396:GLU:HB2	1.82	0.44
1:E:320:LYS:O	1:E:325:GLU:HB2	2.17	0.44
1:A:73:LYS:HG2	1:A:74:CYS:O	2.17	0.44
1:B:24:TRP:HH2	1:B:72:ILE:HG22	1.82	0.44
1:C:109:PHE:CD1	1:C:201:LEU:HD12	2.53	0.44
1:D:21:ARG:NH2	1:D:44:ASP:OD1	2.50	0.44
1:E:202:ALA:CA	1:E:268:ILE:HD12	2.44	0.44
1:B:393:THR:OG1	1:B:396:GLU:HG3	2.17	0.44
1:C:108:VAL:CG2	1:C:135:ALA:HB2	2.47	0.44
1:C:171:LYS:HE2	1:C:174:ASP:CG	2.38	0.44
1:C:179:GLY:N	1:D:188:ASP:OD2	2.50	0.44
1:C:220:LYS:HB2	1:D:144:ASP:OD2	2.17	0.44
1:C:308:GLU:HG3	1:C:309:ALA:O	2.17	0.44
1:D:109:PHE:CD1	1:D:201:LEU:HD12	2.52	0.44
1:E:195:ALA:HA	1:E:229:PHE:CZ	2.52	0.44

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:24:TRP:CE3	1:F:74:CYS:HB2	2.53	0.44
1:A:10:PRO:CG	1:A:68:TYR:HD2	2.31	0.44
1:B:173:TYR:CG	1:B:174:ASP:N	2.86	0.44
1:B:251:ARG:HH11	1:B:251:ARG:CG	2.31	0.44
1:C:22:ILE:HD11	1:C:321:TYR:CE2	2.53	0.44
1:E:56:LYS:HB3	5:E:1526:HOH:O	2.16	0.44
1:E:96:PRO:O	1:E:100:ILE:HG13	2.18	0.44
1:E:299:THR:OG1	1:E:304:THR:HB	2.17	0.44
1:F:326:GLU:OE1	1:F:388:ARG:NH2	2.50	0.44
1:A:365:THR:HA	1:A:401:VAL:HG13	1.99	0.44
1:C:4:LYS:HE2	1:C:34:PRO:O	2.18	0.44
1:D:47:VAL:O	1:D:51:ASP:N	2.44	0.44
1:D:147:ILE:HG13	1:D:175:TYR:CZ	2.53	0.44
1:D:210:PHE:CE2	1:D:251:ARG:CZ	3.00	0.44
1:E:76:THR:O	3:E:1501:NDP:H2N	2.18	0.44
1:F:377:LYS:HG3	1:F:391:TYR:CE2	2.53	0.44
1:A:213:THR:HB	1:A:250:HIS:NE2	2.33	0.43
1:C:61:ALA:O	1:C:65:ILE:HG13	2.18	0.43
1:C:171:LYS:CE	1:C:174:ASP:OD1	2.64	0.43
1:D:28:LYS:NZ	5:D:1433:HOH:O	2.50	0.43
1:D:120:ARG:CZ	1:D:126:GLU:HA	2.48	0.43
1:D:120:ARG:NH1	1:D:126:GLU:HA	2.33	0.43
1:D:283:VAL:O	1:D:287:PHE:HD1	2.00	0.43
1:E:403:LYS:HG2	1:E:407:LYS:HE2	1.99	0.43
1:F:188:ASP:O	1:F:192:GLU:HG3	2.17	0.43
1:A:50:ARG:O	1:A:53:THR:HG22	2.18	0.43
1:A:171:LYS:HE2	1:A:174:ASP:OD2	2.19	0.43
1:A:297:LEU:HB3	1:A:306:GLU:HB3	1.99	0.43
1:B:153:LEU:HB2	1:B:175:TYR:HE1	1.83	0.43
1:C:327:THR:HG22	1:C:328:SER:N	2.32	0.43
1:E:41:LYS:O	1:E:43:TYR:HD1	2.02	0.43
1:A:224:ARG:HD3	1:B:146:LEU:CD2	2.48	0.43
1:A:327:THR:HG22	1:A:328:SER:N	2.33	0.43
1:B:24:TRP:O	1:B:27:ILE:HB	2.18	0.43
1:B:212:SER:OG	1:B:256:MET:HG2	2.18	0.43
3:B:1201:NDP:C5N	4:B:1202:AKG:H42	2.48	0.43
1:C:14:LEU:N	1:C:14:LEU:CD2	2.81	0.43
1:D:14:LEU:N	1:D:14:LEU:HD23	2.33	0.43
1:F:96:PRO:O	1:F:100:ILE:HG13	2.18	0.43
1:F:134:HIS:O	1:F:273:ASN:HA	2.17	0.43
1:F:213:THR:HG22	1:F:250:HIS:NE2	2.33	0.43

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:92:MET:HE2	1:B:219:LYS:HD3	2.01	0.43
1:B:51:ASP:HB2	1:B:89:LEU:HD22	2.00	0.43
1:C:213:THR:CG2	1:C:215:ASN:N	2.80	0.43
1:D:118:ILE:HA	1:D:119:PRO:HD3	1.72	0.43
3:D:1401:NDP:C5N	4:D:1402:AKG:H42	2.47	0.43
1:E:171:LYS:HE2	1:E:174:ASP:OD2	2.18	0.43
1:E:196:HIS:CE1	1:E:232:VAL:HG13	2.53	0.43
1:E:405:LEU:CD2	1:E:409:ILE:HD11	2.46	0.43
1:F:169:THR:O	1:F:169:THR:HG22	2.18	0.43
1:F:340:ARG:HA	1:F:340:ARG:HD3	1.83	0.43
1:C:121:LEU:C	1:C:123:PRO:HD3	2.38	0.43
3:C:1301:NDP:C4N	4:C:1302:AKG:C4	2.88	0.43
1:A:221:TYR:CE1	1:B:182:MET:HG2	2.53	0.43
1:B:209:LEU:HD23	1:B:210:PHE:N	2.33	0.43
3:C:1301:NDP:C3N	4:C:1302:AKG:H41	2.49	0.43
1:D:233:TYR:CZ	1:D:238:LYS:HA	2.54	0.43
1:E:157:TYR:OH	1:F:149:GLY:O	2.30	0.43
1:F:109:PHE:CZ	1:F:201:LEU:HD12	2.54	0.43
1:F:327:THR:CG2	1:F:328:SER:N	2.82	0.43
1:A:220:LYS:CD	1:B:145:THR:HA	2.49	0.43
1:A:388:ARG:O	1:A:388:ARG:HD3	2.19	0.43
1:D:213:THR:HG21	1:D:222:ASP:HB3	2.00	0.43
1:D:409:ILE:C	1:D:411:SER:N	2.72	0.43
1:A:7:VAL:HG21	1:A:38:VAL:CG1	2.48	0.43
1:B:192:GLU:HG2	1:B:228:ILE:HG21	2.00	0.43
1:E:10:PRO:HG2	1:E:68:TYR:CE2	2.53	0.43
1:E:16:GLY:HA3	1:E:75:ALA:O	2.19	0.43
1:E:97:ASN:HD21	3:E:1501:NDP:C7N	2.31	0.43
1:E:109:PHE:CD1	1:E:201:LEU:HD12	2.53	0.43
1:E:216:THR:HG22	1:F:80:ASP:HB3	2.00	0.43
1:F:344:LYS:HD3	1:F:344:LYS:HA	1.82	0.43
1:F:372:ASP:CG	1:F:404:ARG:HE	2.22	0.43
1:B:119:PRO:C	1:B:120:ARG:HG3	2.39	0.43
1:B:187:THR:O	1:B:191:ILE:HG13	2.18	0.43
3:B:1201:NDP:C4N	4:B:1202:AKG:H41	2.47	0.43
1:C:143:THR:O	1:C:182:MET:HA	2.19	0.43
1:E:44:ASP:O	1:E:57:ILE:HD13	2.18	0.43
1:F:35:TYR:CE1	1:F:405:LEU:HD13	2.54	0.43
1:A:282:ILE:HD13	1:B:282:ILE:HD13	2.01	0.43
1:A:343:LEU:HG	1:A:358:ALA:HB1	1.99	0.43
3:A:1101:NDP:C3N	4:A:1102:AKG:H41	2.49	0.43

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:326:GLU:CD	1:E:388:ARG:HH21	2.22	0.43
1:A:39:ASP:OD2	1:A:41:LYS:HE2	2.19	0.42
1:B:133:ARG:HB2	1:B:276:GLY:HA3	2.00	0.42
1:B:192:GLU:HG2	1:B:228:ILE:CG2	2.49	0.42
1:B:213:THR:HG23	1:B:222:ASP:CB	2.45	0.42
1:C:10:PRO:CG	1:C:68:TYR:CD2	3.00	0.42
1:E:296:ILE:HG23	1:E:296:ILE:O	2.18	0.42
1:A:256:MET:HE3	1:A:259:GLN:HB2	2.01	0.42
1:E:393:THR:OG1	1:E:396:GLU:HG3	2.19	0.42
1:F:117:ARG:NH1	1:F:370:GLN:O	2.52	0.42
1:F:402:GLU:OE2	5:F:1621:HOH:O	2.22	0.42
1:A:96:PRO:HA	5:A:1109:HOH:O	2.19	0.42
1:A:250:HIS:ND1	1:A:250:HIS:C	2.73	0.42
1:C:21:ARG:NH2	1:C:44:ASP:CG	2.73	0.42
1:C:397:PHE:O	1:C:401:VAL:HG23	2.19	0.42
1:E:316:ARG:NH2	1:F:251:ARG:CD	2.83	0.42
1:E:388:ARG:C	1:E:390:ALA:H	2.22	0.42
1:F:403:LYS:NZ	1:F:403:LYS:HB3	2.33	0.42
1:A:38:VAL:HG23	1:A:40:LEU:HG	2.01	0.42
1:B:164:THR:O	1:B:164:THR:HG22	2.20	0.42
1:F:35:TYR:CZ	1:F:405:LEU:HD13	2.55	0.42
1:F:345:ARG:HA	1:F:345:ARG:NE	2.33	0.42
1:B:147:ILE:HA	1:B:148:PRO:HD2	1.81	0.42
1:C:17:ASP:CB	1:C:77:ILE:HG13	2.49	0.42
1:D:121:LEU:O	1:D:123:PRO:HD3	2.19	0.42
1:E:253:ILE:HG23	1:E:254:ASP:N	2.34	0.42
1:F:153:LEU:HD12	1:F:172:VAL:CG1	2.50	0.42
1:A:319:ARG:HA	1:A:322:GLN:HE21	1.84	0.42
1:D:10:PRO:HG2	1:D:68:TYR:CD2	2.54	0.42
1:D:248:TYR:CG	1:D:249:GLU:N	2.87	0.42
3:D:1401:NDP:C4N	4:D:1402:AKG:C4	2.95	0.42
1:F:10:PRO:CG	1:F:68:TYR:CD2	2.97	0.42
1:F:127:LYS:HG2	1:F:266:GLY:HA2	2.02	0.42
1:B:120:ARG:NH2	1:B:287:PHE:CE2	2.88	0.42
1:B:343:LEU:O	1:B:347:GLU:HG3	2.20	0.42
1:C:125:TRP:HZ3	1:C:286:GLY:HA3	1.84	0.42
1:C:139:GLN:HB3	1:C:184:MET:HE2	2.01	0.42
1:C:221:TYR:N	1:D:144:ASP:OD2	2.47	0.42
1:C:327:THR:CG2	1:C:328:SER:N	2.82	0.42
1:D:53:THR:HG21	1:D:57:ILE:CG2	2.50	0.42
1:D:96:PRO:O	1:D:100:ILE:HG13	2.20	0.42

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:111:GLU:O	1:A:293:MET:HG3	2.20	0.42
1:D:157:TYR:HB3	1:D:168:GLN:HB2	2.01	0.42
1:E:19:MET:HB3	1:E:313:THR:O	2.18	0.42
1:E:87:PHE:HB2	1:E:89:LEU:CD2	2.49	0.42
1:E:155:LEU:HD23	1:F:183:ALA:HB2	2.02	0.42
1:F:247:HIS:ND1	1:F:247:HIS:N	2.68	0.42
1:F:248:TYR:CG	1:F:249:GLU:N	2.88	0.42
1:F:270:ALA:O	1:F:271:LEU:HD23	2.20	0.42
1:A:251:ARG:HD2	1:A:255:ASP:OD1	2.19	0.42
1:A:349:ASP:O	1:A:350:ASN:C	2.58	0.42
1:B:24:TRP:CH2	1:B:72:ILE:HG22	2.55	0.42
1:E:173:TYR:CG	1:E:174:ASP:N	2.88	0.42
1:E:221:TYR:CD1	1:F:182:MET:HB3	2.55	0.42
1:F:140:TYR:HE1	1:F:274:TYR:HA	1.85	0.42
1:A:367:ASN:HB3	1:A:371:GLN:HG2	2.01	0.42
1:B:119:PRO:HG2	1:B:383:CYS:HA	2.01	0.42
1:D:19:MET:HE2	1:D:318:TYR:N	2.35	0.42
1:E:36:LEU:CB	1:E:38:VAL:HG13	2.50	0.42
1:F:148:PRO:O	1:F:178:SER:HB3	2.20	0.42
1:F:310:ALA:HB3	5:F:1607:HOH:O	2.19	0.42
1:B:8:LYS:CD	1:B:349:ASP:HB3	2.50	0.41
1:C:248:TYR:O	1:C:249:GLU:HB2	2.19	0.41
1:D:13:GLU:OE1	1:D:40:LEU:HD13	2.20	0.41
1:E:108:VAL:HG23	1:E:135:ALA:HB2	2.02	0.41
1:F:90:HIS:CD2	1:F:91:LYS:HG3	2.54	0.41
1:F:240:LYS:O	1:F:243:GLN:HB3	2.19	0.41
1:B:160:SER:O	1:B:162:PRO:HD3	2.20	0.41
1:F:253:ILE:O	1:F:257:VAL:HG13	2.19	0.41
1:A:121:LEU:HD13	1:B:262:LYS:HA	2.02	0.41
1:F:133:ARG:CZ	1:F:277:ASP:HB2	2.51	0.41
1:B:19:MET:HE2	1:B:317:HIS:C	2.40	0.41
1:B:338:TRP:O	1:B:342:LEU:HG	2.20	0.41
1:C:5:ILE:HD12	1:C:357:PHE:HB2	2.02	0.41
1:C:161:ASP:C	1:C:163:THR:H	2.23	0.41
1:E:153:LEU:HD13	1:E:154:GLU:N	2.35	0.41
1:F:263:SER:HB2	5:F:1619:HOH:O	2.19	0.41
1:F:318:TYR:O	1:F:321:TYR:HB3	2.20	0.41
1:A:125:TRP:CZ3	1:A:286:GLY:HA3	2.47	0.41
1:A:313:THR:C	1:A:314:VAL:HG23	2.40	0.41
1:C:121:LEU:O	1:C:123:PRO:HD3	2.20	0.41
1:D:211:LEU:HD13	1:D:250:HIS:HD2	1.86	0.41

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:207:LEU:HB3	1:E:267:PHE:HA	2.03	0.41
1:E:403:LYS:HA	1:E:406:GLN:OE1	2.19	0.41
1:A:111:GLU:HB3	1:A:130:ILE:HG12	2.03	0.41
1:A:122:VAL:HB	1:A:125:TRP:CE3	2.55	0.41
1:B:140:TYR:CD1	1:B:140:TYR:N	2.88	0.41
1:D:137:GLY:O	1:D:138:ASP:C	2.57	0.41
1:D:340:ARG:HD3	1:D:340:ARG:HA	1.90	0.41
3:D:1401:NDP:O3B	3:D:1401:NDP:O1X	2.38	0.41
1:E:8:LYS:HB3	1:E:349:ASP:CB	2.49	0.41
1:E:409:ILE:C	1:E:411:SER:N	2.72	0.41
1:F:402:GLU:O	1:F:406:GLN:HG3	2.20	0.41
1:A:296:ILE:CD1	1:A:344:LYS:HG3	2.49	0.41
1:A:315:THR:O	1:A:319:ARG:HG2	2.21	0.41
1:E:118:ILE:HA	1:E:119:PRO:HD3	1.80	0.41
1:E:316:ARG:NH2	1:F:251:ARG:HD3	2.35	0.41
1:B:79:PRO:CG	1:B:93:TRP:O	2.67	0.41
1:B:299:THR:CG2	1:B:304:THR:HB	2.50	0.41
1:C:146:LEU:CD1	1:D:220:LYS:HB3	2.50	0.41
1:C:263:SER:HG	1:C:267:PHE:HE2	1.69	0.41
1:D:28:LYS:O	1:D:33:LEU:HG	2.20	0.41
1:E:36:LEU:HD21	1:E:357:PHE:CD2	2.56	0.41
1:A:50:ARG:C	1:A:53:THR:HG22	2.41	0.41
1:A:171:LYS:HE2	1:A:174:ASP:CG	2.41	0.41
1:A:316:ARG:NH2	1:B:251:ARG:NE	2.68	0.41
1:A:340:ARG:HA	1:A:340:ARG:HD3	1.85	0.41
1:B:67:LYS:HD3	1:B:68:TYR:CZ	2.56	0.41
1:B:124:ARG:HB2	5:B:1224:HOH:O	2.21	0.41
1:C:105:GLY:O	1:C:297:LEU:HD11	2.21	0.41
1:C:351:THR:O	1:C:353:ALA:N	2.54	0.41
1:D:45:LEU:O	1:D:50:ARG:NE	2.53	0.41
1:D:57:ILE:CG2	1:D:58:THR:N	2.84	0.41
1:A:12:VAL:HG12	1:A:14:LEU:CD2	2.50	0.41
1:A:54:SER:HA	1:A:93:TRP:CH2	2.55	0.41
1:A:59:GLN:NE2	1:A:103:ILE:HD11	2.36	0.41
1:A:101:ARG:HD2	5:A:1115:HOH:O	2.21	0.41
1:B:367:ASN:CB	1:B:371:GLN:HG3	2.45	0.41
1:C:136:HIS:CG	1:C:137:GLY:N	2.86	0.41
1:D:409:ILE:C	1:D:411:SER:H	2.25	0.41
1:A:158:LYS:HA	1:A:159:PRO:HD2	1.98	0.40
1:A:336:PHE:HA	1:A:339:SER:OG	2.21	0.40
1:B:19:MET:CE	1:B:318:TYR:HA	2.50	0.40

*Continued on next page...*



Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:80:ASP:O	1:B:82:ALA:N	2.55	0.40
1:C:45:LEU:HD22	1:C:57:ILE:HG23	2.02	0.40
1:C:72:ILE:HD13	1:C:338:TRP:HA	2.03	0.40
1:D:134:HIS:HE1	1:D:186:ASN:OD1	2.04	0.40
1:C:251:ARG:HD2	1:C:255:ASP:OD1	2.20	0.40
1:D:138:ASP:HB3	1:D:139:GLN:OE1	2.22	0.40
1:A:119:PRO:C	1:A:120:ARG:HG3	2.41	0.40
1:B:284:ALA:HB3	1:B:290:LEU:HD23	2.04	0.40
1:E:137:GLY:O	1:E:138:ASP:HB2	2.21	0.40
1:F:195:ALA:HA	1:F:229:PHE:CE2	2.57	0.40
1:A:134:HIS:CD2	1:A:194:PHE:HB2	2.57	0.40
1:A:330:ASN:HD22	1:A:331:SER:N	2.19	0.40
3:A:1101:NDP:O3B	3:A:1101:NDP:O1X	2.39	0.40
1:B:148:PRO:O	1:B:178:SER:HB3	2.21	0.40
3:B:1201:NDP:O3B	3:B:1201:NDP:O3X	2.37	0.40
1:C:67:LYS:HD3	1:C:68:TYR:CE1	2.56	0.40
1:C:145:THR:HA	1:D:220:LYS:HD2	2.02	0.40
1:A:401:VAL:O	1:A:405:LEU:HB2	2.22	0.40
1:B:12:VAL:HG12	1:B:14:LEU:CD2	2.51	0.40
1:B:17:ASP:HB2	1:B:77:ILE:HG13	2.03	0.40
1:B:112:PRO:HA	1:B:292:LEU:O	2.22	0.40
1:B:311:HIS:CD2	3:B:1201:NDP:H61A	2.40	0.40
1:D:43:TYR:OH	1:D:64:ALA:HB2	2.21	0.40
1:D:50:ARG:HA	1:D:53:THR:HG22	2.03	0.40
1:E:232:VAL:HG12	1:E:237:TYR:HE1	1.86	0.40
1:E:392:VAL:HB	1:E:396:GLU:HB2	2.03	0.40
3:E:1501:NDP:C3N	4:E:1502:AKG:H42	2.51	0.40

All (10959) 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:65:ILE:CA	1:A:157:TYR:CZ[2_757]	0.07	2.13
1:B:49:SER:O	1:E:340:ARG:CD[2_757]	0.09	2.11
1:A:380:ALA:CB	1:F:12:VAL:CA[2_657]	0.12	2.08
1:A:48:GLU:CG	1:A:173:TYR:CD2[2_757]	0.14	2.06
1:A:367:ASN:CB	1:F:55:ASP:CG[2_657]	0.14	2.06
1:A:85:LYS:O	1:B:188:ASP:CB[2_757]	0.16	2.04
1:B:63:GLU:CA	1:E:397:PHE:CE2[2_757]	0.16	2.04
1:B:392:VAL:N	1:C:271:LEU:O[2_858]	0.16	2.04

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:86:GLU:C	1:A:178:SER:O[2_757]	0.19	2.01
1:D:246:ILE:O	1:F:21:ARG:CB[2_757]	0.19	2.01
1:A:384:GLY:C	1:F:40:LEU:CB[2_657]	0.20	2.00
1:D:357:PHE:CD1	1:E:133:ARG:CA[2_757]	0.20	2.00
1:B:22:ILE:CB	1:C:232:VAL:C[2_858]	0.23	1.97
1:D:188:ASP:O	1:F:375:MET:N[2_757]	0.23	1.97
1:D:298:VAL:N	1:E:262:LYS:CD[2_757]	0.23	1.97
1:D:374:ILE:CG1	1:E:236:GLN:NE2[2_757]	0.23	1.97
1:A:123:PRO:CA	1:C:12:VAL:C[2_858]	0.24	1.96
1:B:401:VAL:C	1:D:180:VAL:CG1[2_858]	0.24	1.96
1:D:205:LYS:CA	3:F:1601:NDP:O4D[2_757]	0.24	1.96
1:A:326:GLU:CA	1:F:303:LYS:CA[2_657]	0.26	1.94
1:A:94:LYS:C	1:A:143:THR:C[2_757]	0.27	1.93
1:A:260:MET:N	1:C:348:LEU:CG[2_858]	0.27	1.93
1:B:117:ARG:O	1:C:98:GLY:O[2_858]	0.27	1.93
1:D:5:ILE:N	1:E:110:ARG:NH2[2_757]	0.28	1.92
1:D:207:LEU:CB	1:F:18:GLU:OE1[2_757]	0.28	1.92
1:A:365:THR:CG2	1:F:59:GLN:OE1[2_657]	0.29	1.91
1:B:353:ALA:N	1:C:163:THR:N[2_858]	0.29	1.91
1:D:338:TRP:CE3	1:E:130:ILE:N[2_757]	0.29	1.91
1:B:95:SER:C	1:E:357:PHE:CZ[2_757]	0.30	1.90
1:D:136:HIS:NE2	1:F:385:ASN:CB[2_757]	0.30	1.90
1:D:334:SER:CB	1:E:207:LEU:C[2_757]	0.30	1.90
1:D:355:CYS:SG	5:E:1514:HOH:O[2_757]	0.30	1.90
1:A:57:ILE:CD1	1:B:143:THR:CG2[2_757]	0.31	1.89
1:B:30:LYS:CE	1:C:227:ASP:CB[2_858]	0.31	1.89
1:B:367:ASN:N	1:C:185:TYR:CD1[2_858]	0.31	1.89
1:A:94:LYS:O	1:A:143:THR:O[2_757]	0.32	1.88
1:D:40:LEU:CD2	1:E:112:PRO:CD[2_757]	0.32	1.88
1:D:334:SER:C	1:E:208:ASN:O[2_757]	0.32	1.88
1:B:93:TRP:CE2	1:E:341:GLY:C[2_757]	0.33	1.87
1:D:233:TYR:CD1	1:F:23:ILE:CA[2_757]	0.33	1.87
1:B:55:ASP:CB	1:E:338:TRP:C[2_757]	0.34	1.86
1:A:68:TYR:CA	1:A:165:ALA:CB[2_757]	0.35	1.85
1:A:318:TYR:CD1	1:B:160:SER:N[2_757]	0.35	1.85
1:A:320:LYS:N	1:B:161:ASP:CG[2_757]	0.35	1.85
1:B:89:LEU:CA	1:E:344:LYS:O[2_757]	0.35	1.85
1:B:298:VAL:CA	1:E:403:LYS:CE[2_757]	0.35	1.85
1:B:322:GLN:OE1	1:C:240:LYS:CA[2_858]	0.35	1.85
1:B:394:THR:C	1:C:229:PHE:CD1[2_858]	0.35	1.85
1:A:141:LYS:CG	1:A:141:LYS:CE[2_757]	0.36	1.84

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:372:ASP:OD1	1:F:96:PRO:CD[2_657]	0.36	1.84
1:B:83:ARG:CD	1:E:352:PRO:N[2_757]	0.36	1.84
1:D:342:LEU:CG	1:E:131:ILE:CD1[2_757]	0.36	1.84
1:D:368:THR:CA	1:E:232:VAL:CG1[2_757]	0.36	1.84
1:A:4:LYS:NZ	1:E:152:SER:C[2_657]	0.37	1.83
1:A:51:ASP:CG	1:B:185:TYR:O[2_757]	0.37	1.83
1:B:101:ARG:O	1:E:402:GLU:CG[2_757]	0.37	1.83
1:B:314:VAL:CA	1:C:200:LYS:NZ[2_858]	0.37	1.83
1:B:386:ASN:O	1:C:110:ARG:CB[2_858]	0.37	1.83
1:D:23:ILE:C	1:E:205:LYS:C[2_757]	0.37	1.83
1:A:375:MET:O	1:F:65:ILE:CG1[2_657]	0.38	1.82
1:A:410:LYS:O	1:E:220:LYS:NZ[2_657]	0.38	1.82
1:D:356:LYS:C	1:E:272:LYS:O[2_757]	0.38	1.82
1:D:358:ALA:CB	1:E:271:LEU:CG[2_757]	0.38	1.82
1:D:404:ARG:C	1:E:193:GLY:C[2_757]	0.38	1.82
1:B:46:SER:CA	1:E:359:ASN:OD1[2_757]	0.39	1.81
1:B:56:LYS:NZ	1:E:309:ALA:N[2_757]	0.39	1.81
1:D:65:ILE:CG1	1:E:125:TRP:N[2_757]	0.39	1.81
1:B:67:LYS:CB	1:E:375:MET:CA[2_757]	0.40	1.80
1:D:197:SER:O	3:F:1601:NDP:C5A[2_757]	0.40	1.80
1:A:56:LYS:C	1:B:182:MET:CB[2_757]	0.41	1.79
1:B:50:ARG:O	1:E:340:ARG:CA[2_757]	0.41	1.79
1:B:321:TYR:CE1	1:C:233:TYR:CD1[2_858]	0.41	1.79
1:D:305:PHE:CA	1:E:262:LYS:N[2_757]	0.41	1.79
1:D:341:GLY:O	1:E:260:MET:SD[2_757]	0.41	1.79
1:D:401:VAL:O	1:E:197:SER:N[2_757]	0.41	1.79
1:B:388:ARG:CB	1:C:131:ILE:CG1[2_858]	0.42	1.78
1:B:399:ASP:N	1:C:225:PHE:N[2_858]	0.42	1.78
1:D:301:ASP:CB	1:F:288:GLY:N[2_757]	0.42	1.78
1:A:21:ARG:NH2	1:A:171:LYS:CD[2_757]	0.43	1.77
1:A:78:THR:OG1	1:B:170:LEU:CD1[2_757]	0.43	1.77
1:A:124:ARG:NH1	1:C:306:GLU:N[2_858]	0.43	1.77
1:A:163:THR:N	1:A:345:ARG:NH2[2_757]	0.43	1.77
1:A:268:ILE:C	1:C:350:ASN:C[2_858]	0.43	1.77
1:B:57:ILE:CG1	1:E:336:PHE:CE2[2_757]	0.43	1.77
1:B:63:GLU:OE2	1:E:331:SER:CB[2_757]	0.43	1.77
1:B:117:ARG:CD	1:C:140:TYR:O[2_858]	0.43	1.77
1:B:123:PRO:C	1:C:60:ASP:O[2_858]	0.43	1.77
1:D:190:SER:OG	1:F:380:ALA:CB[2_757]	0.43	1.77
1:D:237:TYR:CD2	1:F:334:SER:OG[2_757]	0.43	1.77
1:E:90:HIS:CB	1:E:180:VAL:C[2_657]	0.43	1.77

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:59:GLN:NE2	1:A:185:TYR:CA[2_757]	0.44	1.76
1:B:391:TYR:CD1	1:C:132:GLY:O[2_858]	0.44	1.76
1:D:14:LEU:N	1:E:127:LYS:CA[2_757]	0.44	1.76
1:D:70:VAL:C	1:E:125:TRP:CE2[2_757]	0.44	1.76
1:D:138:ASP:OD1	1:F:388:ARG:CA[2_757]	0.44	1.76
1:D:290:LEU:O	1:E:247:HIS:CD2[2_757]	0.44	1.76
1:D:365:THR:O	1:E:199:PHE:CE2[2_757]	0.44	1.76
1:B:83:ARG:CA	1:E:351:THR:N[2_757]	0.45	1.75
1:B:406:GLN:C	1:D:145:THR:CB[2_858]	0.45	1.75
1:D:70:VAL:O	1:E:125:TRP:CD2[2_757]	0.45	1.75
1:D:362:GLU:CG	1:E:211:LEU:CA[2_757]	0.45	1.75
1:D:398:LEU:O	1:E:200:LYS:CB[2_757]	0.45	1.75
1:A:13:GLU:O	1:A:169:THR:N[2_757]	0.46	1.74
1:A:267:PHE:CG	1:C:346:GLY:CA[2_858]	0.46	1.74
1:A:376:THR:CA	1:F:65:ILE:N[2_657]	0.46	1.74
1:B:119:PRO:N	1:C:100:ILE:C[2_858]	0.46	1.74
1:B:281:ASP:CB	1:C:303:LYS:NZ[2_858]	0.46	1.74
1:B:394:THR:N	1:C:229:PHE:CZ[2_858]	0.46	1.74
1:D:408:GLU:OE2	1:E:191:ILE:O[2_757]	0.46	1.74
1:D:408:GLU:O	1:E:134:HIS:NE2[2_757]	0.46	1.74
1:A:328:SER:OG	1:F:65:ILE:O[2_657]	0.47	1.73
1:D:67:LYS:N	1:E:123:PRO:CD[2_757]	0.47	1.73
1:D:74:CYS:CB	1:E:127:LYS:NZ[2_757]	0.47	1.73
1:D:228:ILE:CA	1:F:397:PHE:N[2_757]	0.47	1.73
1:A:219:LYS:CB	1:E:37:ASP:O[2_757]	0.48	1.72
1:B:216:THR:C	1:B:220:LYS:NZ[2_757]	0.48	1.72
1:B:376:THR:CG2	1:C:194:PHE:CG[2_858]	0.48	1.72
1:C:319:ARG:CA	1:C:319:ARG:CA[2_958]	0.48	1.72
1:D:67:LYS:C	1:E:121:LEU:O[2_757]	0.48	1.72
1:D:204:ASP:O	3:F:1601:NDP:N1N[2_757]	0.48	1.72
1:A:30:LYS:CA	5:E:1529:HOH:O[2_657]	0.49	1.71
1:A:123:PRO:CD	1:C:12:VAL:CG1[2_858]	0.49	1.71
1:B:71:GLY:O	1:E:404:ARG:CZ[2_757]	0.49	1.71
1:B:77:ILE:N	1:E:356:LYS:CA[2_757]	0.49	1.71
1:B:83:ARG:NH1	1:E:352:PRO:CB[2_757]	0.49	1.71
1:D:24:TRP:N	1:E:205:LYS:O[2_757]	0.49	1.71
1:D:206:LYS:CG	1:F:76:THR:C[2_757]	0.49	1.71
1:D:375:MET:N	1:E:236:GLN:CA[2_757]	0.49	1.71
1:A:85:LYS:C	1:B:188:ASP:CG[2_757]	0.50	1.70
1:A:162:PRO:C	1:A:345:ARG:CZ[2_757]	0.50	1.70
1:B:335:ILE:CD1	1:C:188:ASP:CA[2_858]	0.50	1.70

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:32:ILE:O	1:E:109:PHE:C[2_757]	0.50	1.70
1:D:370:GLN:N	1:E:231:GLU:C[2_757]	0.50	1.70
1:E:85:LYS:N	1:F:224:ARG:O[2_657]	0.50	1.70
1:A:12:VAL:CA	1:A:167:PRO:C[2_757]	0.51	1.69
1:A:215:ASN:CB	1:E:6:LYS:CG[2_757]	0.51	1.69
1:B:54:SER:O	1:E:337:ALA:O[2_757]	0.51	1.69
1:B:93:TRP:CG	1:E:342:LEU:CA[2_757]	0.51	1.69
1:D:4:LYS:NZ	1:E:295:SER:O[2_757]	0.51	1.69
1:D:11:VAL:C	1:E:287:PHE:CD1[2_757]	0.51	1.69
1:D:189:GLU:CB	1:F:375:MET:CE[2_757]	0.51	1.69
1:D:256:MET:CA	1:F:323:LYS:C[2_757]	0.51	1.69
1:D:297:LEU:O	1:E:262:LYS:CG[2_757]	0.51	1.69
1:A:387:GLU:OE2	1:F:338:TRP:CZ3[2_657]	0.52	1.68
1:B:332:ILE:N	1:C:189:GLU:O[2_858]	0.52	1.68
1:B:392:VAL:O	1:C:194:PHE:CZ[2_858]	0.52	1.68
1:D:354:LEU:CD1	1:E:279:GLN:C[2_757]	0.52	1.68
1:A:50:ARG:O	1:B:184:MET:CA[2_757]	0.53	1.67
1:A:103:ILE:N	1:B:173:TYR:CD1[2_757]	0.53	1.67
1:A:125:TRP:CE3	1:C:10:PRO:O[2_858]	0.53	1.67
1:A:128:PRO:CA	1:C:7:VAL:CG2[2_858]	0.53	1.67
1:B:119:PRO:CB	1:C:100:ILE:CB[2_858]	0.53	1.67
1:B:141:LYS:CE	1:E:29:LYS:CA[2_757]	0.53	1.67
1:B:306:GLU:CD	1:E:404:ARG:O[2_757]	0.53	1.67
1:B:319:ARG:CB	1:C:203:ILE:CG2[2_858]	0.53	1.67
1:B:332:ILE:O	1:C:189:GLU:CB[2_858]	0.53	1.67
1:B:358:ALA:C	1:D:150:PRO:N[2_858]	0.53	1.67
1:D:190:SER:O	1:F:376:THR:O[2_757]	0.53	1.67
1:D:344:LYS:CD	1:E:257:VAL:C[2_757]	0.53	1.67
1:D:367:ASN:O	1:E:232:VAL:CG2[2_757]	0.53	1.67
1:D:404:ARG:CG	1:E:192:GLU:O[2_757]	0.53	1.67
1:E:99:THR:CG2	1:F:166:GLN:CG[2_657]	0.53	1.67
1:A:92:MET:CG	1:B:220:LYS:C[2_757]	0.54	1.66
1:A:123:PRO:C	1:C:12:VAL:O[2_858]	0.54	1.66
1:B:99:THR:O	1:E:31:LEU:CG[2_757]	0.54	1.66
1:B:334:SER:CB	1:C:192:GLU:OE2[2_858]	0.54	1.66
1:B:360:ILE:CG1	1:C:157:TYR:CZ[2_858]	0.54	1.66
1:B:378:ASP:N	1:C:107:THR:CA[2_858]	0.54	1.66
1:D:31:LEU:C	1:E:109:PHE:CD1[2_757]	0.54	1.66
1:D:228:ILE:N	1:F:396:GLU:C[2_757]	0.54	1.66
1:A:374:ILE:CB	1:F:100:ILE:CD1[2_657]	0.55	1.65
1:B:118:ILE:CA	1:C:102:ASN:N[2_858]	0.55	1.65

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:330:ASN:N	1:C:193:GLY:C[2_858]	0.55	1.65
1:B:360:ILE:CD1	1:C:157:TYR:CE2[2_858]	0.55	1.65
1:B:410:LYS:CB	1:C:170:LEU:CD2[2_858]	0.55	1.65
1:D:6:LYS:CE	1:E:311:HIS:C[2_757]	0.55	1.65
1:A:149:GLY:O	5:A:1124:HOH:O[2_757]	0.56	1.64
1:A:402:GLU:CB	1:F:102:ASN:ND2[2_657]	0.56	1.64
1:B:330:ASN:C	1:C:193:GLY:N[2_858]	0.56	1.64
1:D:35:TYR:CG	1:E:108:VAL:CA[2_757]	0.56	1.64
1:D:104:LEU:CD1	1:E:124:ARG:CD[2_757]	0.56	1.64
1:D:231:GLU:CD	1:F:400:ALA:N[2_757]	0.56	1.64
1:D:236:GLN:CB	1:F:335:ILE:CA[2_757]	0.56	1.64
1:D:246:ILE:CG2	1:F:17:ASP:CA[2_757]	0.56	1.64
1:D:332:ILE:N	1:E:241:PHE:CE2[2_757]	0.56	1.64
1:A:43:TYR:CE1	1:A:168:GLN:OE1[2_757]	0.57	1.63
1:A:45:LEU:CG	1:A:155:LEU:CA[2_757]	0.57	1.63
1:A:120:ARG:CA	1:C:41:LYS:N[2_858]	0.57	1.63
1:A:160:SER:OG	1:A:304:THR:C[2_757]	0.57	1.63
1:A:267:PHE:O	1:C:351:THR:CB[2_858]	0.57	1.63
1:A:385:ASN:CA	1:F:40:LEU:CD2[2_657]	0.57	1.63
1:B:364:ALA:N	1:D:175:TYR:CE2[2_858]	0.57	1.63
1:C:85:LYS:NZ	1:C:88:ASN:CA[2_958]	0.57	1.63
1:C:178:SER:OG	1:F:372:ASP:O[2_757]	0.57	1.63
1:C:388:ARG:NH2	1:C:391:TYR:CE1[2_958]	0.57	1.63
1:D:68:TYR:N	1:E:121:LEU:C[2_757]	0.57	1.63
1:D:202:ALA:C	1:F:313:THR:CA[2_757]	0.57	1.63
1:D:351:THR:C	1:E:278:VAL:CG2[2_757]	0.57	1.63
1:E:55:ASP:OD1	1:E:148:PRO:CG[2_657]	0.57	1.63
1:A:15:ASP:C	1:A:154:GLU:CB[2_757]	0.58	1.62
1:A:53:THR:CA	1:B:142:ALA:CB[2_757]	0.58	1.62
1:A:90:HIS:CG	1:B:138:ASP:OD2[2_757]	0.58	1.62
1:B:12:VAL:CG1	1:E:366:LEU:C[2_757]	0.58	1.62
1:B:370:GLN:CD	1:C:141:LYS:CD[2_858]	0.58	1.62
1:B:409:ILE:CA	1:C:168:GLN:CD[2_858]	0.58	1.62
1:D:317:HIS:ND1	1:E:243:GLN:O[2_757]	0.58	1.62
1:D:401:VAL:CA	1:E:196:HIS:O[2_757]	0.58	1.62
1:E:47:VAL:O	1:E:178:SER:CA[2_657]	0.58	1.62
1:E:51:ASP:OD1	1:E:179:GLY:C[2_657]	0.58	1.62
1:E:58:THR:CG2	1:F:165:ALA:CA[2_657]	0.58	1.62
5:E:1527:HOH:O	5:E:1527:HOH:O[2_657]	0.58	1.62
1:A:67:LYS:N	1:B:149:GLY:N[2_757]	0.59	1.61
1:A:79:PRO:CA	1:A:145:THR:O[2_757]	0.59	1.61

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:367:ASN:CG	1:F:55:ASP:CB[2_657]	0.59	1.61
1:B:168:GLN:NE2	3:A:1101:NDP:O3D[2_757]	0.59	1.61
1:B:60:ASP:OD1	1:E:333:ALA:N[2_757]	0.59	1.61
1:B:83:ARG:CG	1:E:351:THR:C[2_757]	0.59	1.61
1:B:119:PRO:CD	1:C:101:ARG:N[2_858]	0.59	1.61
1:B:310:ALA:CA	1:E:410:LYS:O[2_757]	0.59	1.61
1:B:357:PHE:CD1	1:D:148:PRO:CB[2_858]	0.59	1.61
1:B:377:LYS:O	1:C:108:VAL:N[2_858]	0.59	1.61
1:B:386:ASN:CG	1:C:295:SER:CA[2_858]	0.59	1.61
1:D:205:LYS:CG	3:F:1601:NDP:O5D[2_757]	0.59	1.61
1:D:256:MET:O	1:F:323:LYS:CB[2_757]	0.59	1.61
1:D:334:SER:N	1:E:208:ASN:CA[2_757]	0.59	1.61
1:D:374:ILE:CA	1:E:236:GLN:CG[2_757]	0.59	1.61
1:A:2:PHE:CB	1:E:155:LEU:CB[2_657]	0.60	1.60
1:A:57:ILE:CB	1:B:143:THR:O[2_757]	0.60	1.60
1:B:325:GLU:CG	1:C:207:LEU:O[2_858]	0.60	1.60
1:B:352:PRO:O	1:C:161:ASP:C[2_858]	0.60	1.60
1:B:390:ALA:N	1:C:276:GLY:C[2_858]	0.60	1.60
1:C:317:HIS:CD2	1:C:325:GLU:N[2_958]	0.60	1.60
1:D:102:ASN:ND2	1:F:384:GLY:O[2_757]	0.60	1.60
1:D:196:HIS:NE2	1:F:332:ILE:CG1[2_757]	0.60	1.60
1:D:243:GLN:CB	1:F:14:LEU:O[2_757]	0.60	1.60
1:E:58:THR:CB	1:F:165:ALA:CB[2_657]	0.60	1.60
1:E:88:ASN:CA	1:F:191:ILE:CD1[2_657]	0.60	1.60
1:A:131:ILE:CD1	1:C:8:LYS:CD[2_858]	0.61	1.59
1:A:371:GLN:OE1	1:F:50:ARG:CB[2_657]	0.61	1.59
1:B:89:LEU:CD2	1:E:343:LEU:O[2_757]	0.61	1.59
1:B:332:ILE:CA	1:C:189:GLU:C[2_858]	0.61	1.59
1:D:69:GLY:N	1:E:122:VAL:CG2[2_757]	0.61	1.59
1:D:185:TYR:CA	1:F:389:SER:OG[2_757]	0.61	1.59
1:D:411:SER:N	1:E:136:HIS:CG[2_757]	0.61	1.59
1:A:216:THR:CB	1:E:5:ILE:CA[2_757]	0.62	1.58
1:A:314:VAL:N	1:B:167:PRO:N[2_757]	0.62	1.58
1:A:397:PHE:CD1	1:F:62:ALA:CB[2_657]	0.62	1.58
1:B:14:LEU:CG	1:E:363:SER:O[2_757]	0.62	1.58
1:B:57:ILE:CA	1:E:336:PHE:CG[2_757]	0.62	1.58
1:B:354:LEU:N	1:C:164:THR:N[2_858]	0.62	1.58
1:B:393:THR:OG1	1:C:211:LEU:CG[2_858]	0.62	1.58
1:D:239:SER:C	1:F:24:TRP:CE2[2_757]	0.62	1.58
1:D:243:GLN:N	1:F:15:ASP:CA[2_757]	0.62	1.58
1:E:82:ALA:N	1:F:227:ASP:CG[2_657]	0.62	1.58

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:87:PHE:N	1:F:228:ILE:CD1[2_657]	0.62	1.58
1:A:45:LEU:CD2	1:A:155:LEU:CB[2_757]	0.63	1.57
1:A:74:CYS:O	1:B:156:VAL:CG2[2_757]	0.63	1.57
1:A:317:HIS:C	1:B:162:PRO:N[2_757]	0.63	1.57
1:B:11:VAL:N	1:E:370:GLN:O[2_757]	0.63	1.57
1:B:362:GLU:CD	1:D:176:LYS:C[2_858]	0.63	1.57
1:D:105:GLY:CA	1:F:381:LEU:O[2_757]	0.63	1.57
1:D:268:ILE:CD1	1:F:314:VAL:C[2_757]	0.63	1.57
1:A:65:ILE:C	1:A:157:TYR:OH[2_757]	0.64	1.56
1:A:88:ASN:CA	1:B:187:THR:O[2_757]	0.64	1.56
1:A:96:PRO:C	1:B:172:VAL:CG2[2_757]	0.64	1.56
1:A:103:ILE:CB	1:B:173:TYR:CD2[2_757]	0.64	1.56
1:A:214:LYS:CE	1:E:3:SER:C[2_757]	0.64	1.56
1:B:123:PRO:CB	1:C:61:ALA:CA[2_858]	0.64	1.56
1:B:380:ALA:C	1:C:108:VAL:CG2[2_858]	0.64	1.56
1:D:85:LYS:NZ	1:D:87:PHE:CE1[2_858]	0.64	1.56
1:D:196:HIS:CG	1:F:330:ASN:ND2[2_757]	0.64	1.56
1:D:202:ALA:CA	1:F:313:THR:C[2_757]	0.64	1.56
1:D:296:ILE:CG2	1:E:259:GLN:CG[2_757]	0.64	1.56
1:D:348:LEU:CG	1:F:282:ILE:CG2[2_757]	0.64	1.56
1:D:406:GLN:OE1	1:E:299:THR:O[2_757]	0.64	1.56
1:D:411:SER:CA	1:E:136:HIS:ND1[2_757]	0.64	1.56
1:E:60:ASP:CA	1:F:162:PRO:CD[2_657]	0.64	1.56
1:A:28:LYS:CB	1:E:176:LYS:NZ[2_657]	0.65	1.55
1:A:33:LEU:C	1:E:174:ASP:CA[2_657]	0.65	1.55
1:A:117:ARG:NH1	1:F:46:SER:N[2_657]	0.65	1.55
1:A:264:LYS:CB	1:C:341:GLY:C[2_858]	0.65	1.55
1:A:264:LYS:CG	1:C:341:GLY:CA[2_858]	0.65	1.55
1:A:315:THR:CG2	1:B:165:ALA:CB[2_757]	0.65	1.55
1:A:406:GLN:OE1	1:F:141:LYS:N[2_657]	0.65	1.55
1:B:45:LEU:CD2	1:E:362:GLU:CB[2_757]	0.65	1.55
1:B:59:GLN:CA	1:E:335:ILE:CB[2_757]	0.65	1.55
1:B:73:LYS:CB	1:E:408:GLU:OE1[2_757]	0.65	1.55
1:B:329:THR:N	1:C:194:PHE:O[2_858]	0.65	1.55
1:B:386:ASN:C	1:C:110:ARG:CG[2_858]	0.65	1.55
1:B:411:SER:CA	1:C:168:GLN:O[2_858]	0.65	1.55
1:D:185:TYR:CD1	1:F:387:GLU:OE1[2_757]	0.65	1.55
1:D:357:PHE:CE1	1:E:133:ARG:N[2_757]	0.65	1.55
1:D:364:ALA:N	1:E:229:PHE:CE1[2_757]	0.65	1.55
1:D:370:GLN:CA	1:E:231:GLU:CA[2_757]	0.65	1.55
1:A:104:LEU:CA	1:B:174:ASP:C[2_757]	0.66	1.54

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:206:LYS:CE	5:C:1350:HOH:O[2_858]	0.66	1.54
1:A:369:VAL:O	1:F:45:LEU:CD2[2_657]	0.66	1.54
1:A:371:GLN:CA	1:F:50:ARG:CD[2_657]	0.66	1.54
1:A:381:LEU:CD1	1:F:10:PRO:CB[2_657]	0.66	1.54
1:B:54:SER:CB	1:E:307:SER:CB[2_757]	0.66	1.54
1:B:66:LYS:O	1:E:374:ILE:CG2[2_757]	0.66	1.54
1:B:73:LYS:NZ	1:E:360:ILE:CG2[2_757]	0.66	1.54
1:B:122:VAL:O	1:C:63:GLU:C[2_858]	0.66	1.54
1:B:359:ASN:CA	1:D:150:PRO:CA[2_858]	0.66	1.54
1:D:212:SER:CA	1:F:325:GLU:C[2_757]	0.66	1.54
1:D:232:VAL:CG2	1:F:397:PHE:CD2[2_757]	0.66	1.54
1:D:242:GLU:CA	1:F:15:ASP:OD1[2_757]	0.66	1.54
1:D:243:GLN:C	1:F:15:ASP:O[2_757]	0.66	1.54
1:D:266:GLY:CA	1:F:319:ARG:NH2[2_757]	0.66	1.54
1:D:306:GLU:N	1:E:263:SER:N[2_757]	0.66	1.54
1:D:360:ILE:C	1:E:194:PHE:CE1[2_757]	0.66	1.54
1:D:362:GLU:OE1	1:E:211:LEU:C[2_757]	0.66	1.54
1:D:397:PHE:CD1	1:E:237:TYR:CG[2_757]	0.66	1.54
1:D:404:ARG:NH2	1:E:192:GLU:CG[2_757]	0.66	1.54
1:D:409:ILE:O	1:E:136:HIS:CA[2_757]	0.66	1.54
1:E:91:LYS:CB	1:E:145:THR:C[2_657]	0.66	1.54
1:A:18:GLU:OE2	1:B:157:TYR:OH[2_757]	0.67	1.53
1:A:51:ASP:CA	1:B:185:TYR:N[2_757]	0.67	1.53
1:A:76:THR:OG1	1:B:155:LEU:O[2_757]	0.67	1.53
1:A:83:ARG:CZ	1:A:148:PRO:CD[2_757]	0.67	1.53
1:A:114:VAL:CG2	1:C:38:VAL:N[2_858]	0.67	1.53
1:B:287:PHE:CB	1:C:66:LYS:CE[2_858]	0.67	1.53
1:B:368:THR:CA	1:C:185:TYR:O[2_858]	0.67	1.53
1:B:375:MET:C	1:C:134:HIS:CB[2_858]	0.67	1.53
1:C:388:ARG:CG	1:C:392:VAL:CA[2_958]	0.67	1.53
1:D:35:TYR:CZ	1:E:107:THR:O[2_757]	0.67	1.53
1:D:268:ILE:CA	1:F:315:THR:O[2_757]	0.67	1.53
1:E:92:MET:N	1:E:146:LEU:CD1[2_657]	0.67	1.53
1:A:63:GLU:OE1	1:B:180:VAL:N[2_757]	0.68	1.52
1:A:404:ARG:NE	5:F:1608:HOH:O[2_657]	0.68	1.52
1:B:22:ILE:CG2	1:C:233:TYR:N[2_858]	0.68	1.52
1:B:81:GLU:CG	1:E:8:LYS:CG[2_757]	0.68	1.52
1:B:319:ARG:N	1:C:203:ILE:CD1[2_858]	0.68	1.52
1:B:328:SER:N	1:C:198:SER:CB[2_858]	0.68	1.52
1:B:374:ILE:CB	1:C:138:ASP:OD2[2_858]	0.68	1.52
1:B:406:GLN:N	1:D:146:LEU:N[2_858]	0.68	1.52

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:83:ARG:O	1:D:85:LYS:CG[2_858]	0.68	1.52
1:D:186:ASN:CB	1:F:390:ALA:N[2_757]	0.68	1.52
1:D:212:SER:C	1:F:326:GLU:N[2_757]	0.68	1.52
1:D:354:LEU:C	1:E:275:ASP:O[2_757]	0.68	1.52
1:E:85:LYS:CB	1:F:225:PHE:C[2_657]	0.68	1.52
1:A:3:SER:OG	1:E:170:LEU:N[2_657]	0.69	1.51
1:A:44:ASP:CG	1:A:171:LYS:C[2_757]	0.69	1.51
1:A:78:THR:C	1:A:145:THR:CB[2_757]	0.69	1.51
1:A:87:PHE:CD2	1:A:175:TYR:CD2[2_757]	0.69	1.51
1:A:120:ARG:C	1:C:41:LYS:CB[2_858]	0.69	1.51
1:A:122:VAL:O	1:C:12:VAL:N[2_858]	0.69	1.51
1:A:207:LEU:CA	1:C:352:PRO:O[2_858]	0.69	1.51
1:A:391:TYR:N	1:F:71:GLY:CA[2_657]	0.69	1.51
1:B:63:GLU:C	1:E:397:PHE:CZ[2_757]	0.69	1.51
1:B:119:PRO:CA	1:C:100:ILE:CA[2_858]	0.69	1.51
1:B:362:GLU:CG	1:D:177:GLY:N[2_858]	0.69	1.51
1:B:362:GLU:N	1:D:177:GLY:O[2_858]	0.69	1.51
1:B:378:ASP:CA	1:C:107:THR:N[2_858]	0.69	1.51
1:D:2:PHE:CD1	1:E:100:ILE:CA[2_757]	0.69	1.51
1:D:130:ILE:CG2	1:F:316:ARG:CG[2_757]	0.69	1.51
1:A:15:ASP:OD1	1:A:154:GLU:OE2[2_757]	0.70	1.50
1:A:34:PRO:N	1:E:174:ASP:N[2_657]	0.70	1.50
1:A:92:MET:CA	1:B:221:TYR:CA[2_757]	0.70	1.50
1:A:365:THR:CB	1:F:59:GLN:CD[2_657]	0.70	1.50
1:B:10:PRO:CB	1:E:117:ARG:CD[2_757]	0.70	1.50
1:B:290:LEU:CG	1:C:301:ASP:CA[2_858]	0.70	1.50
1:B:379:LEU:C	1:C:135:ALA:CB[2_858]	0.70	1.50
1:D:2:PHE:CE2	1:E:101:ARG:N[2_757]	0.70	1.50
1:D:229:PHE:CA	1:F:394:THR:O[2_757]	0.70	1.50
1:D:256:MET:CE	1:F:323:LYS:N[2_757]	0.70	1.50
1:D:306:GLU:C	1:E:263:SER:CB[2_757]	0.70	1.50
1:D:399:ASP:C	1:E:200:LYS:CD[2_757]	0.70	1.50
1:E:53:THR:OG1	1:E:151:GLY:CA[2_657]	0.70	1.50
1:A:2:PHE:C	1:E:155:LEU:N[2_657]	0.71	1.49
1:A:65:ILE:CB	1:A:157:TYR:CE1[2_757]	0.71	1.49
1:A:67:LYS:CB	1:B:148:PRO:CA[2_757]	0.71	1.49
1:A:79:PRO:CA	1:A:145:THR:C[2_757]	0.71	1.49
1:A:267:PHE:CD2	1:C:346:GLY:N[2_858]	0.71	1.49
1:A:391:TYR:CD2	1:F:70:VAL:O[2_657]	0.71	1.49
1:B:80:ASP:O	1:E:351:THR:OG1[2_757]	0.71	1.49
1:B:328:SER:CA	1:C:198:SER:OG[2_858]	0.71	1.49

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:404:ARG:CG	1:D:181:ALA:CA[2_858]	0.71	1.49
1:B:405:LEU:CD2	1:D:147:ILE:CA[2_858]	0.71	1.49
1:D:36:LEU:CA	1:E:110:ARG:CG[2_757]	0.71	1.49
1:D:105:GLY:CA	1:F:381:LEU:C[2_757]	0.71	1.49
1:D:196:HIS:CB	1:F:330:ASN:CG[2_757]	0.71	1.49
1:D:207:LEU:C	1:F:18:GLU:CB[2_757]	0.71	1.49
1:D:304:THR:CB	1:F:121:LEU:CB[2_757]	0.71	1.49
1:A:34:PRO:CA	1:E:173:TYR:C[2_657]	0.72	1.48
1:A:56:LYS:CE	1:A:218:LEU:CD2[2_757]	0.72	1.48
1:A:80:ASP:CA	1:A:146:LEU:CD1[2_757]	0.72	1.48
1:A:87:PHE:C	1:B:187:THR:CA[2_757]	0.72	1.48
1:A:216:THR:CA	1:E:5:ILE:C[2_757]	0.72	1.48
1:A:264:LYS:N	1:C:341:GLY:O[2_858]	0.72	1.48
1:A:399:ASP:C	1:F:102:ASN:CA[2_657]	0.72	1.48
1:F:301:ASP:OD2	5:A:1110:HOH:O[2_657]	0.72	1.48
1:D:9:GLN:OE1	1:E:285:GLN:CG[2_757]	0.72	1.48
1:D:199:PHE:CD1	1:F:23:ILE:CD1[2_757]	0.72	1.48
1:D:201:LEU:CD2	3:F:1601:NDP:O2A[2_757]	0.72	1.48
1:D:205:LYS:CE	3:F:1601:NDP:O2N[2_757]	0.72	1.48
1:D:241:PHE:CG	1:F:20:THR:C[2_757]	0.72	1.48
1:A:59:GLN:C	1:B:181:ALA:CA[2_757]	0.73	1.47
1:A:123:PRO:N	1:C:12:VAL:CA[2_858]	0.73	1.47
1:A:150:PRO:O	1:A:318:TYR:CE2[2_757]	0.73	1.47
1:A:207:LEU:CD2	1:C:353:ALA:C[2_858]	0.73	1.47
1:A:207:LEU:CG	1:C:353:ALA:CA[2_858]	0.73	1.47
1:B:45:LEU:CD1	1:E:362:GLU:N[2_757]	0.73	1.47
1:B:68:TYR:CD2	1:E:375:MET:CE[2_757]	0.73	1.47
1:B:79:PRO:CG	1:E:354:LEU:CD2[2_757]	0.73	1.47
1:B:79:PRO:CA	1:E:354:LEU:CB[2_757]	0.73	1.47
1:B:84:VAL:C	1:E:349:ASP:N[2_757]	0.73	1.47
1:B:326:GLU:N	1:C:209:LEU:CA[2_858]	0.73	1.47
1:B:394:THR:CA	1:C:229:PHE:CE1[2_858]	0.73	1.47
1:B:397:PHE:CA	1:C:225:PHE:CD2[2_858]	0.73	1.47
1:C:316:ARG:CG	1:C:322:GLN:O[2_958]	0.73	1.47
1:D:191:ILE:O	1:F:376:THR:CA[2_757]	0.73	1.47
1:D:243:GLN:CA	1:F:15:ASP:N[2_757]	0.73	1.47
1:D:268:ILE:CD1	1:F:315:THR:N[2_757]	0.73	1.47
1:D:352:PRO:CB	1:E:274:TYR:CZ[2_757]	0.73	1.47
1:D:363:SER:C	1:E:229:PHE:CD1[2_757]	0.73	1.47
1:D:406:GLN:CD	1:E:299:THR:O[2_757]	0.73	1.47
1:E:86:GLU:CA	1:F:228:ILE:CB[2_657]	0.73	1.47

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:88:ASN:ND2	1:B:190:SER:N[2_757]	0.74	1.46
1:A:111:GLU:CD	1:C:6:LYS:CB[2_858]	0.74	1.46
1:A:391:TYR:CG	1:F:70:VAL:O[2_657]	0.74	1.46
1:A:398:LEU:CA	1:F:103:ILE:CA[2_657]	0.74	1.46
1:B:57:ILE:N	1:E:336:PHE:CA[2_757]	0.74	1.46
1:B:317:HIS:CA	1:C:200:LYS:N[2_858]	0.74	1.46
1:B:325:GLU:CG	1:C:207:LEU:C[2_858]	0.74	1.46
1:B:362:GLU:OE1	1:D:176:LYS:CA[2_858]	0.74	1.46
1:C:316:ARG:CA	1:C:323:LYS:N[2_958]	0.74	1.46
1:D:9:GLN:C	1:E:285:GLN:N[2_757]	0.74	1.46
1:D:191:ILE:CD1	1:F:391:TYR:C[2_757]	0.74	1.46
1:D:335:ILE:O	1:E:268:ILE:O[2_757]	0.74	1.46
1:D:379:LEU:CG	1:E:238:LYS:CG[2_757]	0.74	1.46
1:E:62:ALA:N	1:F:163:THR:N[2_657]	0.74	1.46
1:E:90:HIS:CG	1:E:181:ALA:CA[2_657]	0.74	1.46
1:A:4:LYS:CE	1:E:153:LEU:N[2_657]	0.75	1.45
1:A:66:LYS:O	1:B:149:GLY:CA[2_757]	0.75	1.45
1:A:88:ASN:N	1:B:187:THR:C[2_757]	0.75	1.45
1:A:92:MET:CB	1:B:221:TYR:N[2_757]	0.75	1.45
1:A:316:ARG:N	1:B:165:ALA:O[2_757]	0.75	1.45
1:A:317:HIS:CA	1:B:162:PRO:C[2_757]	0.75	1.45
1:A:326:GLU:CD	1:F:305:PHE:CE2[2_657]	0.75	1.45
1:A:391:TYR:CE1	1:F:70:VAL:CA[2_657]	0.75	1.45
1:A:395:GLU:O	1:F:104:LEU:C[2_657]	0.75	1.45
1:A:395:GLU:C	1:F:104:LEU:C[2_657]	0.75	1.45
1:B:383:CYS:CB	1:C:101:ARG:CD[2_858]	0.75	1.45
1:B:387:GLU:N	1:C:110:ARG:CD[2_858]	0.75	1.45
1:D:23:ILE:CB	1:E:206:LYS:CA[2_757]	0.75	1.45
1:D:73:LYS:N	1:E:265:GLY:C[2_757]	0.75	1.45
1:D:191:ILE:C	1:F:376:THR:N[2_757]	0.75	1.45
1:D:238:LYS:CD	1:F:25:ASP:C[2_757]	0.75	1.45
1:D:303:LYS:CA	1:F:286:GLY:N[2_757]	0.75	1.45
1:D:343:LEU:CD2	1:E:253:ILE:CD1[2_757]	0.75	1.45
1:D:355:CYS:C	1:E:275:ASP:CB[2_757]	0.75	1.45
1:D:367:ASN:C	1:E:232:VAL:CG2[2_757]	0.75	1.45
1:E:49:SER:N	1:E:177:GLY:CA[2_657]	0.75	1.45
1:E:93:TRP:CE3	1:E:146:LEU:O[2_657]	0.75	1.45
1:A:10:PRO:CA	1:A:166:GLN:CD[2_757]	0.76	1.44
1:A:63:GLU:CD	1:B:180:VAL:N[2_757]	0.76	1.44
1:A:78:THR:O	1:A:145:THR:OG1[2_757]	0.76	1.44
1:A:86:GLU:CG	1:A:178:SER:CA[2_757]	0.76	1.44

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:95:SER:CA	1:A:143:THR:CG2[2_757]	0.76	1.44
1:A:97:ASN:C	1:B:171:LYS:C[2_757]	0.76	1.44
1:A:101:ARG:CD	1:B:171:LYS:CG[2_757]	0.76	1.44
1:A:102:ASN:OD1	1:A:185:TYR:OH[2_757]	0.76	1.44
1:A:111:GLU:OE1	1:C:6:LYS:CA[2_858]	0.76	1.44
1:B:40:LEU:C	1:E:370:GLN:NE2[2_757]	0.76	1.44
1:B:56:LYS:CA	1:E:337:ALA:N[2_757]	0.76	1.44
1:B:125:TRP:C	1:C:63:GLU:CD[2_858]	0.76	1.44
1:B:290:LEU:CD1	1:C:301:ASP:O[2_858]	0.76	1.44
1:B:329:THR:CB	1:C:196:HIS:N[2_858]	0.76	1.44
1:B:385:ASN:CA	1:C:110:ARG:NH2[2_858]	0.76	1.44
1:B:392:VAL:CG1	1:C:272:LYS:CA[2_858]	0.76	1.44
1:B:406:GLN:OE1	1:C:220:LYS:CG[2_858]	0.76	1.44
1:D:11:VAL:O	1:E:287:PHE:CG[2_757]	0.76	1.44
1:D:67:LYS:O	1:E:121:LEU:O[2_757]	0.76	1.44
1:D:68:TYR:N	1:E:122:VAL:N[2_757]	0.76	1.44
1:D:134:HIS:CB	1:F:377:LYS:CD[2_757]	0.76	1.44
1:D:136:HIS:O	1:F:386:ASN:CA[2_757]	0.76	1.44
1:D:189:GLU:C	1:F:375:MET:CG[2_757]	0.76	1.44
1:D:242:GLU:CA	1:F:15:ASP:CG[2_757]	0.76	1.44
1:D:242:GLU:C	1:F:15:ASP:CB[2_757]	0.76	1.44
1:E:59:GLN:O	1:F:162:PRO:CB[2_657]	0.76	1.44
1:E:59:GLN:CD	1:F:167:PRO:CD[2_657]	0.76	1.44
1:E:90:HIS:CD2	1:E:181:ALA:CB[2_657]	0.76	1.44
1:A:48:GLU:CB	1:A:173:TYR:CG[2_757]	0.77	1.43
1:A:81:GLU:O	1:B:224:ARG:CD[2_757]	0.77	1.43
1:A:283:VAL:CA	1:C:9:GLN:OE1[2_858]	0.77	1.43
1:A:326:GLU:OE1	1:F:305:PHE:CD2[2_657]	0.77	1.43
1:A:399:ASP:C	1:F:102:ASN:N[2_657]	0.77	1.43
1:A:406:GLN:CD	1:F:141:LYS:CA[2_657]	0.77	1.43
1:B:124:ARG:NH2	1:F:39:ASP:OD2[2_657]	0.77	1.43
1:B:135:ALA:CB	1:E:406:GLN:NE2[2_757]	0.77	1.43
1:B:261:ILE:CA	1:C:67:LYS:CE[2_858]	0.77	1.43
1:B:264:LYS:NZ	5:F:1633:HOH:O[2_657]	0.77	1.43
1:B:297:LEU:CA	1:E:407:LYS:CE[2_757]	0.77	1.43
1:B:321:TYR:CA	1:C:241:PHE:CE1[2_858]	0.77	1.43
1:B:367:ASN:CA	1:C:185:TYR:CG[2_858]	0.77	1.43
1:B:386:ASN:OD1	1:C:295:SER:CA[2_858]	0.77	1.43
1:D:2:PHE:CE1	1:E:100:ILE:CA[2_757]	0.77	1.43
1:D:7:VAL:CB	1:E:280:SER:O[2_757]	0.77	1.43
1:D:70:VAL:CB	1:E:125:TRP:CZ2[2_757]	0.77	1.43

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:102:ASN:O	1:F:384:GLY:CA[2_757]	0.77	1.43
1:D:134:HIS:CA	1:F:377:LYS:CD[2_757]	0.77	1.43
1:D:196:HIS:CA	1:F:330:ASN:CB[2_757]	0.77	1.43
1:D:205:LYS:CB	3:F:1601:NDP:C5D[2_757]	0.77	1.43
1:D:229:PHE:CG	1:F:394:THR:CA[2_757]	0.77	1.43
1:E:56:LYS:C	1:F:159:PRO:CA[2_657]	0.77	1.43
1:E:93:TRP:CE2	1:E:147:ILE:N[2_657]	0.77	1.43
1:A:14:LEU:CB	1:A:156:VAL:CA[2_757]	0.78	1.42
1:A:21:ARG:NH1	1:A:171:LYS:CE[2_757]	0.78	1.42
1:A:120:ARG:CG	1:C:40:LEU:CA[2_858]	0.78	1.42
1:A:149:GLY:C	5:A:1124:HOH:O[2_757]	0.78	1.42
1:A:297:LEU:CD2	1:B:174:ASP:OD2[2_757]	0.78	1.42
1:A:326:GLU:OE1	1:F:305:PHE:CE2[2_657]	0.78	1.42
1:B:43:TYR:CG	1:E:366:LEU:CG[2_757]	0.78	1.42
1:B:54:SER:OG	1:E:307:SER:CB[2_757]	0.78	1.42
1:B:57:ILE:CB	1:E:336:PHE:CD2[2_757]	0.78	1.42
1:B:126:GLU:N	1:C:63:GLU:OE1[2_858]	0.78	1.42
1:B:368:THR:N	1:C:185:TYR:C[2_858]	0.78	1.42
1:D:72:ILE:CD1	1:E:129:ILE:CG2[2_757]	0.78	1.42
1:D:229:PHE:CB	1:F:394:THR:CA[2_757]	0.78	1.42
1:D:238:LYS:CD	1:F:25:ASP:O[2_757]	0.78	1.42
1:D:240:LYS:C	1:F:74:CYS:CB[2_757]	0.78	1.42
1:D:241:PHE:CG	1:F:20:THR:O[2_757]	0.78	1.42
1:D:407:LYS:NZ	1:E:300:PRO:CB[2_757]	0.78	1.42
1:E:82:ALA:O	1:F:228:ILE:N[2_657]	0.78	1.42
1:A:43:TYR:C	1:A:170:LEU:CA[2_757]	0.79	1.41
1:A:93:TRP:CB	1:A:182:MET:CB[2_757]	0.79	1.41
1:A:218:LEU:C	1:E:37:ASP:CG[2_757]	0.79	1.41
1:A:327:THR:O	1:F:304:THR:OG1[2_657]	0.79	1.41
1:A:388:ARG:CB	1:F:341:GLY:O[2_657]	0.79	1.41
1:A:391:TYR:CE1	1:F:70:VAL:N[2_657]	0.79	1.41
1:A:393:THR:CA	1:F:304:THR:CG2[2_657]	0.79	1.41
1:A:397:PHE:CE1	1:F:62:ALA:CB[2_657]	0.79	1.41
1:B:14:LEU:CB	1:E:363:SER:CA[2_757]	0.79	1.41
1:B:41:LYS:NZ	1:E:118:ILE:CA[2_757]	0.79	1.41
1:B:47:VAL:CA	1:E:343:LEU:CD2[2_757]	0.79	1.41
1:B:65:ILE:CB	1:E:368:THR:CB[2_757]	0.79	1.41
1:B:99:THR:CA	1:E:31:LEU:CB[2_757]	0.79	1.41
1:B:297:LEU:CD2	1:E:403:LYS:CA[2_757]	0.79	1.41
1:B:372:ASP:C	1:C:139:GLN:N[2_858]	0.79	1.41
1:B:394:THR:CG2	1:C:195:ALA:CB[2_858]	0.79	1.41

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:405:LEU:O	5:B:1215:HOH:O[2_757]	0.79	1.41
1:C:314:VAL:O	1:C:323:LYS:CG[2_958]	0.79	1.41
1:D:6:LYS:CE	1:E:311:HIS:O[2_757]	0.79	1.41
1:D:196:HIS:N	1:F:330:ASN:CA[2_757]	0.79	1.41
1:D:211:LEU:CD2	1:F:327:THR:N[2_757]	0.79	1.41
1:D:239:SER:C	1:F:24:TRP:CD2[2_757]	0.79	1.41
1:D:363:SER:C	1:E:229:PHE:CE1[2_757]	0.79	1.41
1:A:34:PRO:CA	1:E:174:ASP:N[2_657]	0.80	1.40
1:A:63:GLU:C	1:B:147:ILE:CB[2_757]	0.80	1.40
1:A:66:LYS:CA	1:B:149:GLY:O[2_757]	0.80	1.40
1:A:306:GLU:CG	1:B:152:SER:OG[2_757]	0.80	1.40
1:A:383:CYS:CB	1:F:42:TYR:CA[2_657]	0.80	1.40
1:A:410:LYS:CD	1:F:144:ASP:OD1[2_657]	0.80	1.40
1:B:102:ASN:CB	1:E:30:LYS:CA[2_757]	0.80	1.40
1:B:328:SER:N	1:C:198:SER:OG[2_858]	0.80	1.40
1:B:377:LYS:O	1:C:107:THR:C[2_858]	0.80	1.40
1:B:395:GLU:O	1:C:225:PHE:C[2_858]	0.80	1.40
1:B:404:ARG:NE	1:C:184:MET:O[2_858]	0.80	1.40
1:D:173:TYR:CD1	5:B:1219:HOH:O[2_858]	0.80	1.40
1:D:9:GLN:CA	1:E:285:GLN:CB[2_757]	0.80	1.40
1:D:24:TRP:CE3	1:E:207:LEU:CD2[2_757]	0.80	1.40
1:D:241:PHE:CD2	1:F:21:ARG:N[2_757]	0.80	1.40
1:D:298:VAL:CG1	1:F:285:GLN:OE1[2_757]	0.80	1.40
1:E:55:ASP:OD2	5:F:1620:HOH:O[2_657]	0.80	1.40
1:A:43:TYR:CA	1:A:170:LEU:CG[2_757]	0.81	1.39
1:A:85:LYS:CA	1:B:188:ASP:OD1[2_757]	0.81	1.39
1:A:207:LEU:CG	1:C:353:ALA:C[2_858]	0.81	1.39
1:A:287:PHE:N	1:C:10:PRO:CB[2_858]	0.81	1.39
1:A:317:HIS:N	1:B:162:PRO:C[2_757]	0.81	1.39
1:A:383:CYS:N	1:F:42:TYR:N[2_657]	0.81	1.39
1:B:169:THR:CA	3:A:1101:NDP:C7N[2_757]	0.81	1.39
1:B:169:THR:CA	3:A:1101:NDP:O7N[2_757]	0.81	1.39
1:B:18:GLU:OE2	1:C:240:LYS:NZ[2_858]	0.81	1.39
1:B:57:ILE:N	1:E:336:PHE:CB[2_757]	0.81	1.39
1:B:92:MET:CG	1:E:7:VAL:CG1[2_757]	0.81	1.39
1:B:121:LEU:C	1:C:65:ILE:CB[2_858]	0.81	1.39
1:B:317:HIS:CA	1:C:200:LYS:CA[2_858]	0.81	1.39
1:B:398:LEU:CD1	1:C:228:ILE:CB[2_858]	0.81	1.39
1:D:5:ILE:C	1:E:110:ARG:NH1[2_757]	0.81	1.39
1:D:118:ILE:CA	1:E:234:GLU:OE1[2_757]	0.81	1.39
1:D:224:ARG:C	1:F:396:GLU:OE2[2_757]	0.81	1.39

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:340:ARG:CB	1:E:256:MET:SD[2_757]	0.81	1.39
1:D:398:LEU:C	1:E:200:LYS:CB[2_757]	0.81	1.39
1:D:402:GLU:O	1:E:197:SER:OG[2_757]	0.81	1.39
1:E:81:GLU:C	1:F:227:ASP:CG[2_657]	0.81	1.39
1:E:91:LYS:CD	1:E:145:THR:CG2[2_657]	0.81	1.39
1:E:93:TRP:CD2	1:E:147:ILE:N[2_657]	0.81	1.39
1:A:91:LYS:C	1:B:221:TYR:CD2[2_757]	0.82	1.38
1:A:117:ARG:CG	1:F:44:ASP:CA[2_657]	0.82	1.38
1:A:207:LEU:CB	1:C:353:ALA:N[2_858]	0.82	1.38
1:A:210:PHE:O	1:C:350:ASN:CG[2_858]	0.82	1.38
1:A:261:ILE:O	1:C:69:GLY:C[2_858]	0.82	1.38
1:A:367:ASN:N	1:F:55:ASP:O[2_657]	0.82	1.38
1:A:368:THR:CA	1:F:58:THR:CG2[2_657]	0.82	1.38
1:A:372:ASP:CG	1:F:96:PRO:N[2_657]	0.82	1.38
1:B:78:THR:N	1:E:353:ALA:O[2_757]	0.82	1.38
1:B:262:LYS:N	1:C:67:LYS:NZ[2_858]	0.82	1.38
1:B:370:GLN:O	1:C:141:LYS:CA[2_858]	0.82	1.38
1:B:391:TYR:CD2	1:C:133:ARG:N[2_858]	0.82	1.38
1:B:406:GLN:N	1:D:145:THR:C[2_858]	0.82	1.38
1:C:317:HIS:NE2	1:C:324:GLY:C[2_958]	0.82	1.38
1:D:35:TYR:CA	1:E:108:VAL:CG1[2_757]	0.82	1.38
1:D:201:LEU:CD1	3:F:1601:NDP:C5B[2_757]	0.82	1.38
1:D:202:ALA:O	1:F:313:THR:CA[2_757]	0.82	1.38
1:D:229:PHE:CB	1:F:394:THR:C[2_757]	0.82	1.38
1:D:230:GLN:OE1	1:F:26:LYS:NZ[2_757]	0.82	1.38
1:D:297:LEU:C	1:E:262:LYS:CG[2_757]	0.82	1.38
1:D:344:LYS:CE	1:E:258:ALA:N[2_757]	0.82	1.38
1:D:352:PRO:N	1:E:278:VAL:CG2[2_757]	0.82	1.38
1:E:49:SER:OG	1:E:150:PRO:CG[2_657]	0.82	1.38
1:A:11:VAL:CG1	1:A:167:PRO:CG[2_757]	0.83	1.37
1:A:71:GLY:O	1:A:158:LYS:CB[2_757]	0.83	1.37
1:A:119:PRO:O	1:C:40:LEU:O[2_858]	0.83	1.37
1:A:401:VAL:CG2	1:F:103:ILE:CD1[2_657]	0.83	1.37
1:B:19:MET:CB	1:C:237:TYR:CZ[2_858]	0.83	1.37
1:B:63:GLU:CD	1:E:331:SER:OG[2_757]	0.83	1.37
1:B:91:LYS:O	1:E:345:ARG:CB[2_757]	0.83	1.37
1:B:387:GLU:CB	1:C:280:SER:OG[2_858]	0.83	1.37
1:B:391:TYR:CZ	1:C:132:GLY:N[2_858]	0.83	1.37
1:B:405:LEU:CG	1:D:147:ILE:N[2_858]	0.83	1.37
1:D:37:ASP:CB	1:E:310:ALA:CA[2_757]	0.83	1.37
1:D:71:GLY:N	1:E:125:TRP:NE1[2_757]	0.83	1.37

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:208:ASN:N	1:F:18:GLU:CB[2_757]	0.83	1.37
1:D:303:LYS:CG	1:F:286:GLY:C[2_757]	0.83	1.37
1:D:336:PHE:CA	1:E:210:PHE:N[2_757]	0.83	1.37
1:E:85:LYS:N	1:F:224:ARG:C[2_657]	0.83	1.37
1:A:320:LYS:CA	1:B:161:ASP:OD1[2_757]	0.84	1.36
1:A:328:SER:C	1:F:66:LYS:O[2_657]	0.84	1.36
1:A:379:LEU:CD2	1:F:43:TYR:OH[2_657]	0.84	1.36
1:B:11:VAL:C	1:E:370:GLN:C[2_757]	0.84	1.36
1:B:54:SER:O	1:E:337:ALA:C[2_757]	0.84	1.36
1:B:67:LYS:CA	1:E:375:MET:N[2_757]	0.84	1.36
1:B:290:LEU:CD1	1:C:301:ASP:C[2_858]	0.84	1.36
1:B:318:TYR:C	1:C:203:ILE:CD1[2_858]	0.84	1.36
1:B:369:VAL:CG1	1:C:136:HIS:C[2_858]	0.84	1.36
1:B:398:LEU:CD2	1:C:228:ILE:CD1[2_858]	0.84	1.36
1:D:72:ILE:C	1:E:265:GLY:C[2_757]	0.84	1.36
1:D:85:LYS:NZ	1:D:87:PHE:CD1[2_858]	0.84	1.36
1:D:118:ILE:CG1	1:E:234:GLU:CG[2_757]	0.84	1.36
1:D:330:ASN:CA	1:E:241:PHE:CA[2_757]	0.84	1.36
1:D:358:ALA:C	1:E:271:LEU:CA[2_757]	0.84	1.36
1:D:362:GLU:CD	1:E:211:LEU:C[2_757]	0.84	1.36
1:D:379:LEU:CG	1:E:238:LYS:CB[2_757]	0.84	1.36
1:D:392:VAL:CG2	1:E:240:LYS:CE[2_757]	0.84	1.36
1:D:409:ILE:O	1:E:136:HIS:N[2_757]	0.84	1.36
1:A:18:GLU:OE1	1:B:157:TYR:CE2[2_757]	0.85	1.35
1:A:93:TRP:O	1:A:144:ASP:CB[2_757]	0.85	1.35
1:A:115:ILE:CG1	1:F:60:ASP:OD2[2_657]	0.85	1.35
1:A:268:ILE:N	1:C:351:THR:CA[2_858]	0.85	1.35
1:A:383:CYS:SG	1:F:43:TYR:N[2_657]	0.85	1.35
1:B:41:LYS:NZ	1:E:118:ILE:N[2_757]	0.85	1.35
1:B:50:ARG:C	1:E:340:ARG:CA[2_757]	0.85	1.35
1:B:59:GLN:N	1:E:335:ILE:CB[2_757]	0.85	1.35
1:B:121:LEU:C	1:C:65:ILE:CA[2_858]	0.85	1.35
1:B:319:ARG:C	1:C:203:ILE:CG1[2_858]	0.85	1.35
1:B:321:TYR:CA	1:C:241:PHE:CZ[2_858]	0.85	1.35
1:D:8:LYS:CD	1:F:258:ALA:N[2_757]	0.85	1.35
1:D:113:ILE:CG1	1:E:249:GLU:CA[2_757]	0.85	1.35
1:D:185:TYR:CZ	1:F:387:GLU:OE2[2_757]	0.85	1.35
1:D:231:GLU:OE2	1:F:400:ALA:N[2_757]	0.85	1.35
1:D:240:LYS:O	1:F:74:CYS:CB[2_757]	0.85	1.35
1:D:304:THR:OG1	1:F:121:LEU:CB[2_757]	0.85	1.35
1:D:358:ALA:CA	1:E:271:LEU:CB[2_757]	0.85	1.35

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:376:THR:OG1	1:E:237:TYR:O[2_757]	0.85	1.35
1:D:378:ASP:OD1	1:E:238:LYS:O[2_757]	0.85	1.35
1:E:56:LYS:C	1:F:159:PRO:CB[2_657]	0.85	1.35
1:E:61:ALA:N	1:F:161:ASP:C[2_657]	0.85	1.35
1:E:88:ASN:CB	1:F:191:ILE:CG1[2_657]	0.85	1.35
1:A:10:PRO:C	1:A:166:GLN:CB[2_757]	0.86	1.34
1:A:78:THR:CA	1:A:145:THR:CG2[2_757]	0.86	1.34
1:A:90:HIS:CB	1:B:138:ASP:OD1[2_757]	0.86	1.34
1:B:14:LEU:CB	1:E:363:SER:C[2_757]	0.86	1.34
1:B:320:LYS:CD	1:C:202:ALA:N[2_858]	0.86	1.34
1:B:320:LYS:NZ	1:C:201:LEU:CD2[2_858]	0.86	1.34
1:B:326:GLU:C	1:C:209:LEU:CG[2_858]	0.86	1.34
1:B:332:ILE:CG1	1:C:190:SER:CA[2_858]	0.86	1.34
1:B:361:LEU:CG	1:D:178:SER:CB[2_858]	0.86	1.34
1:B:373:GLY:N	1:C:138:ASP:C[2_858]	0.86	1.34
1:B:389:SER:C	1:C:276:GLY:C[2_858]	0.86	1.34
1:B:404:ARG:CZ	1:C:184:MET:O[2_858]	0.86	1.34
1:D:32:ILE:CG1	1:E:130:ILE:CG2[2_757]	0.86	1.34
1:D:113:ILE:CG1	1:E:249:GLU:CB[2_757]	0.86	1.34
1:D:225:PHE:CE1	1:F:388:ARG:NH1[2_757]	0.86	1.34
1:D:229:PHE:C	1:F:394:THR:O[2_757]	0.86	1.34
1:D:238:LYS:CA	1:F:24:TRP:CA[2_757]	0.86	1.34
1:D:240:LYS:N	1:F:24:TRP:CE3[2_757]	0.86	1.34
1:D:243:GLN:CB	1:F:14:LEU:C[2_757]	0.86	1.34
1:D:249:GLU:CB	1:F:321:TYR:OH[2_757]	0.86	1.34
1:D:306:GLU:CB	1:E:263:SER:CA[2_757]	0.86	1.34
1:D:340:ARG:NH2	1:E:251:ARG:N[2_757]	0.86	1.34
1:D:340:ARG:CG	1:E:256:MET:SD[2_757]	0.86	1.34
1:D:369:VAL:N	1:E:232:VAL:C[2_757]	0.86	1.34
1:D:369:VAL:CA	1:E:232:VAL:C[2_757]	0.86	1.34
1:A:63:GLU:O	1:B:147:ILE:C[2_757]	0.87	1.33
1:A:104:LEU:CD1	1:B:151:GLY:O[2_757]	0.87	1.33
1:A:214:LYS:CE	1:E:3:SER:O[2_757]	0.87	1.33
1:A:368:THR:OG1	1:F:99:THR:CG2[2_657]	0.87	1.33
1:B:12:VAL:CG1	1:E:366:LEU:O[2_757]	0.87	1.33
1:B:51:ASP:OD1	1:E:344:LYS:CB[2_757]	0.87	1.33
1:B:68:TYR:C	1:E:373:GLY:C[2_757]	0.87	1.33
1:B:125:TRP:O	1:C:63:GLU:CG[2_858]	0.87	1.33
1:B:289:SER:OG	1:C:300:PRO:CD[2_858]	0.87	1.33
1:B:320:LYS:CE	1:C:201:LEU:O[2_858]	0.87	1.33
1:B:411:SER:CA	1:C:168:GLN:C[2_858]	0.87	1.33

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:40:LEU:CG	1:E:112:PRO:N[2_757]	0.87	1.33
1:D:199:PHE:CE1	1:F:23:ILE:CG1[2_757]	0.87	1.33
1:D:212:SER:CB	1:F:325:GLU:C[2_757]	0.87	1.33
1:D:303:LYS:N	1:F:286:GLY:N[2_757]	0.87	1.33
1:D:330:ASN:CB	1:E:241:PHE:CB[2_757]	0.87	1.33
1:D:333:ALA:CA	1:E:247:HIS:O[2_757]	0.87	1.33
1:D:404:ARG:CZ	1:E:192:GLU:CB[2_757]	0.87	1.33
1:D:404:ARG:NH1	1:E:192:GLU:CA[2_757]	0.87	1.33
1:A:83:ARG:CG	1:A:146:LEU:C[2_757]	0.88	1.32
1:A:88:ASN:CA	1:B:187:THR:C[2_757]	0.88	1.32
1:A:93:TRP:O	1:A:144:ASP:CA[2_757]	0.88	1.32
1:A:102:ASN:C	1:B:173:TYR:CD1[2_757]	0.88	1.32
1:A:117:ARG:CD	1:F:44:ASP:C[2_657]	0.88	1.32
1:A:121:LEU:N	1:C:41:LYS:CB[2_858]	0.88	1.32
1:A:267:PHE:CZ	1:C:345:ARG:O[2_858]	0.88	1.32
1:A:267:PHE:CE2	1:C:345:ARG:C[2_858]	0.88	1.32
1:A:287:PHE:CE1	1:C:9:GLN:O[2_858]	0.88	1.32
1:A:329:THR:N	1:F:66:LYS:O[2_657]	0.88	1.32
1:A:383:CYS:SG	1:F:42:TYR:C[2_657]	0.88	1.32
1:B:169:THR:O	3:A:1101:NDP:N7N[2_757]	0.88	1.32
1:B:11:VAL:CA	1:E:370:GLN:O[2_757]	0.88	1.32
1:B:54:SER:C	1:E:337:ALA:O[2_757]	0.88	1.32
1:B:306:GLU:CD	1:E:404:ARG:C[2_757]	0.88	1.32
1:B:362:GLU:CG	1:D:176:LYS:C[2_858]	0.88	1.32
1:B:403:LYS:CB	1:C:221:TYR:N[2_858]	0.88	1.32
1:B:407:LYS:N	1:D:145:THR:CB[2_858]	0.88	1.32
1:D:27:ILE:CG2	1:E:268:ILE:CD1[2_757]	0.88	1.32
1:D:68:TYR:CE1	1:E:120:ARG:CA[2_757]	0.88	1.32
1:D:136:HIS:O	1:F:386:ASN:N[2_757]	0.88	1.32
1:D:186:ASN:CA	1:F:390:ALA:N[2_757]	0.88	1.32
1:D:193:GLY:C	1:F:378:ASP:OD1[2_757]	0.88	1.32
1:D:202:ALA:O	1:F:313:THR:CB[2_757]	0.88	1.32
1:D:212:SER:CB	1:F:325:GLU:CA[2_757]	0.88	1.32
1:D:225:PHE:N	1:F:396:GLU:OE2[2_757]	0.88	1.32
1:D:358:ALA:N	1:E:271:LEU:CB[2_757]	0.88	1.32
1:E:48:GLU:C	1:E:177:GLY:CA[2_657]	0.88	1.32
1:E:56:LYS:CB	1:F:158:LYS:C[2_657]	0.88	1.32
1:E:83:ARG:C	1:F:224:ARG:NH1[2_657]	0.88	1.32
1:A:15:ASP:OD1	1:A:154:GLU:CD[2_757]	0.89	1.31
1:A:28:LYS:CB	1:E:176:LYS:CE[2_657]	0.89	1.31
1:A:48:GLU:O	1:B:185:TYR:CE2[2_757]	0.89	1.31

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:96:PRO:CG	1:B:155:LEU:CB[2_757]	0.89	1.31
1:A:129:ILE:CB	5:C:1309:HOH:O[2_858]	0.89	1.31
1:A:268:ILE:C	1:C:350:ASN:O[2_858]	0.89	1.31
1:A:366:LEU:CB	1:F:56:LYS:CA[2_657]	0.89	1.31
1:A:395:GLU:OE2	1:F:301:ASP:OD1[2_657]	0.89	1.31
1:B:14:LEU:CG	1:E:363:SER:C[2_757]	0.89	1.31
1:B:44:ASP:O	1:E:362:GLU:OE1[2_757]	0.89	1.31
1:B:90:HIS:CA	1:E:70:VAL:CG2[2_757]	0.89	1.31
1:B:321:TYR:C	1:C:241:PHE:CG[2_858]	0.89	1.31
1:B:325:GLU:OE2	1:C:207:LEU:N[2_858]	0.89	1.31
1:B:331:SER:OG	1:C:191:ILE:C[2_858]	0.89	1.31
1:B:354:LEU:CA	1:C:164:THR:CB[2_858]	0.89	1.31
1:B:391:TYR:OH	1:C:132:GLY:N[2_858]	0.89	1.31
1:D:115:ILE:CA	1:E:230:GLN:CG[2_757]	0.89	1.31
1:D:197:SER:C	3:F:1601:NDP:C6A[2_757]	0.89	1.31
1:D:209:LEU:CG	1:F:19:MET:CG[2_757]	0.89	1.31
1:D:231:GLU:CA	1:F:398:LEU:CA[2_757]	0.89	1.31
1:D:242:GLU:O	1:F:15:ASP:CB[2_757]	0.89	1.31
1:D:349:ASP:C	1:F:257:VAL:CG1[2_757]	0.89	1.31
1:D:362:GLU:OE1	1:E:212:SER:N[2_757]	0.89	1.31
1:D:363:SER:O	1:E:229:PHE:CD1[2_757]	0.89	1.31
1:A:10:PRO:CB	1:A:166:GLN:OE1[2_757]	0.90	1.30
1:A:12:VAL:C	1:A:168:GLN:N[2_757]	0.90	1.30
1:A:18:GLU:CD	1:B:157:TYR:CZ[2_757]	0.90	1.30
1:A:46:SER:OG	1:A:173:TYR:N[2_757]	0.90	1.30
1:A:92:MET:CA	1:B:221:TYR:CB[2_757]	0.90	1.30
1:A:283:VAL:N	1:C:9:GLN:OE1[2_858]	0.90	1.30
1:A:294:THR:OG1	1:C:6:LYS:NZ[2_858]	0.90	1.30
1:A:372:ASP:OD2	1:F:96:PRO:CA[2_657]	0.90	1.30
1:A:398:LEU:CB	1:F:103:ILE:O[2_657]	0.90	1.30
1:B:43:TYR:CG	1:E:366:LEU:CD2[2_757]	0.90	1.30
1:B:87:PHE:CD1	5:E:1521:HOH:O[2_757]	0.90	1.30
1:B:93:TRP:CB	1:E:342:LEU:CB[2_757]	0.90	1.30
1:B:104:LEU:CD1	1:E:400:ALA:O[2_757]	0.90	1.30
1:B:141:LYS:CG	1:E:29:LYS:O[2_757]	0.90	1.30
1:B:372:ASP:OD1	1:C:184:MET:CG[2_858]	0.90	1.30
1:D:13:GLU:CD	1:E:128:PRO:CB[2_757]	0.90	1.30
1:D:63:GLU:O	1:E:123:PRO:CB[2_757]	0.90	1.30
1:D:192:GLU:N	1:F:375:MET:C[2_757]	0.90	1.30
1:D:206:LYS:CG	1:F:76:THR:O[2_757]	0.90	1.30
1:D:236:GLN:O	1:F:334:SER:C[2_757]	0.90	1.30

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:244:LEU:N	1:F:15:ASP:C[2_757]	0.90	1.30
1:D:248:TYR:CA	1:F:22:ILE:CG1[2_757]	0.90	1.30
1:D:354:LEU:C	1:E:275:ASP:C[2_757]	0.90	1.30
1:D:367:ASN:OD1	1:E:228:ILE:CA[2_757]	0.90	1.30
1:D:370:GLN:N	1:E:232:VAL:N[2_757]	0.90	1.30
1:F:386:ASN:ND2	5:D:1405:HOH:O[2_757]	0.90	1.30
1:E:86:GLU:CA	1:F:228:ILE:CG2[2_657]	0.90	1.30
1:E:89:LEU:CD2	1:F:188:ASP:OD1[2_657]	0.90	1.30
1:A:33:LEU:C	1:E:174:ASP:CB[2_657]	0.91	1.29
1:A:63:GLU:CA	1:B:147:ILE:CB[2_757]	0.91	1.29
1:A:306:GLU:CB	1:B:152:SER:OG[2_757]	0.91	1.29
1:B:19:MET:CE	1:C:199:PHE:CB[2_858]	0.91	1.29
1:B:26:LYS:CA	1:C:231:GLU:CD[2_858]	0.91	1.29
1:B:30:LYS:NZ	1:C:227:ASP:CA[2_858]	0.91	1.29
1:B:45:LEU:O	1:E:359:ASN:CA[2_757]	0.91	1.29
1:B:51:ASP:CA	1:E:340:ARG:O[2_757]	0.91	1.29
1:B:66:LYS:CG	1:E:397:PHE:CA[2_757]	0.91	1.29
1:B:76:THR:CG2	1:E:360:ILE:N[2_757]	0.91	1.29
1:B:90:HIS:C	1:E:70:VAL:CG2[2_757]	0.91	1.29
1:B:297:LEU:CD1	1:E:403:LYS:CG[2_757]	0.91	1.29
1:B:311:HIS:O	1:E:411:SER:C[2_757]	0.91	1.29
1:B:391:TYR:CD1	1:C:132:GLY:C[2_858]	0.91	1.29
1:B:399:ASP:O	1:C:221:TYR:O[2_858]	0.91	1.29
1:C:317:HIS:NE2	1:C:325:GLU:N[2_958]	0.91	1.29
1:D:14:LEU:O	1:E:127:LYS:CG[2_757]	0.91	1.29
1:D:23:ILE:CA	1:E:206:LYS:N[2_757]	0.91	1.29
1:D:35:TYR:CE2	1:E:107:THR:C[2_757]	0.91	1.29
1:D:38:VAL:CA	1:E:293:MET:CG[2_757]	0.91	1.29
1:D:127:LYS:CD	1:F:86:GLU:OE1[2_757]	0.91	1.29
1:D:192:GLU:N	1:F:376:THR:N[2_757]	0.91	1.29
1:D:330:ASN:N	1:E:241:PHE:CA[2_757]	0.91	1.29
1:E:91:LYS:CB	1:E:145:THR:O[2_657]	0.91	1.29
1:E:92:MET:CA	1:E:146:LEU:CD1[2_657]	0.91	1.29
1:A:50:ARG:C	1:B:184:MET:CA[2_757]	0.92	1.28
1:A:158:LYS:O	1:A:305:PHE:O[2_757]	0.92	1.28
1:A:265:GLY:O	1:C:342:LEU:O[2_858]	0.92	1.28
1:A:321:TYR:CA	1:F:303:LYS:NZ[2_657]	0.92	1.28
1:A:378:ASP:CB	1:F:68:TYR:CE1[2_657]	0.92	1.28
1:B:31:LEU:CD1	1:C:188:ASP:OD1[2_858]	0.92	1.28
1:B:70:VAL:N	1:E:372:ASP:CB[2_757]	0.92	1.28
1:B:70:VAL:CA	1:E:372:ASP:CB[2_757]	0.92	1.28

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:124:ARG:N	1:C:60:ASP:O[2_858]	0.92	1.28
1:B:316:ARG:O	1:C:200:LYS:O[2_858]	0.92	1.28
1:B:322:GLN:CD	1:C:240:LYS:CB[2_858]	0.92	1.28
1:B:371:GLN:NE2	1:D:172:VAL:CG1[2_858]	0.92	1.28
1:B:391:TYR:OH	1:C:131:ILE:C[2_858]	0.92	1.28
1:D:5:ILE:CG1	1:E:133:ARG:NH1[2_757]	0.92	1.28
1:D:195:ALA:C	1:F:330:ASN:N[2_757]	0.92	1.28
1:D:210:PHE:CB	1:F:321:TYR:CB[2_757]	0.92	1.28
1:D:301:ASP:CB	1:F:287:PHE:C[2_757]	0.92	1.28
1:D:305:PHE:CD2	1:E:261:ILE:CB[2_757]	0.92	1.28
1:D:306:GLU:CA	1:E:263:SER:CA[2_757]	0.92	1.28
1:D:340:ARG:NH1	1:E:251:ARG:CG[2_757]	0.92	1.28
1:D:369:VAL:C	1:E:231:GLU:O[2_757]	0.92	1.28
1:D:379:LEU:CD2	1:E:238:LYS:CG[2_757]	0.92	1.28
1:D:405:LEU:N	1:E:193:GLY:O[2_757]	0.92	1.28
1:E:90:HIS:CE1	1:E:182:MET:N[2_657]	0.92	1.28
1:A:56:LYS:CA	1:B:182:MET:CG[2_757]	0.93	1.27
1:A:92:MET:CG	1:B:221:TYR:N[2_757]	0.93	1.27
1:A:97:ASN:CB	1:B:170:LEU:C[2_757]	0.93	1.27
1:A:104:LEU:C	1:B:174:ASP:O[2_757]	0.93	1.27
1:A:263:SER:O	1:C:70:VAL:CG1[2_858]	0.93	1.27
1:A:321:TYR:N	1:F:303:LYS:NZ[2_657]	0.93	1.27
1:A:393:THR:OG1	1:F:299:THR:CG2[2_657]	0.93	1.27
1:B:168:GLN:CG	3:A:1101:NDP:C1D[2_757]	0.93	1.27
1:B:67:LYS:C	1:E:375:MET:N[2_757]	0.93	1.27
1:B:83:ARG:O	1:E:346:GLY:O[2_757]	0.93	1.27
1:B:83:ARG:CZ	1:E:352:PRO:CB[2_757]	0.93	1.27
1:B:354:LEU:CB	1:C:164:THR:OG1[2_858]	0.93	1.27
1:B:375:MET:O	1:C:134:HIS:CB[2_858]	0.93	1.27
1:B:403:LYS:NZ	1:C:218:LEU:CA[2_858]	0.93	1.27
1:D:5:ILE:O	1:E:110:ARG:NH1[2_757]	0.93	1.27
1:D:6:LYS:NZ	1:E:312:GLY:N[2_757]	0.93	1.27
1:D:38:VAL:O	1:E:293:MET:CA[2_757]	0.93	1.27
1:D:85:LYS:N	1:D:85:LYS:CA[2_858]	0.93	1.27
1:D:105:GLY:N	1:F:381:LEU:O[2_757]	0.93	1.27
1:D:115:ILE:CA	1:E:230:GLN:CD[2_757]	0.93	1.27
1:D:305:PHE:CA	1:E:261:ILE:C[2_757]	0.93	1.27
1:D:361:LEU:N	1:E:194:PHE:CZ[2_757]	0.93	1.27
1:D:369:VAL:CG1	1:E:234:GLU:N[2_757]	0.93	1.27
1:D:408:GLU:C	1:E:134:HIS:NE2[2_757]	0.93	1.27
1:E:47:VAL:CA	1:E:178:SER:OG[2_657]	0.93	1.27

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:58:THR:OG1	1:F:165:ALA:CB[2_657]	0.93	1.27
1:A:2:PHE:O	1:E:155:LEU:CA[2_657]	0.94	1.26
1:A:51:ASP:CG	1:B:185:TYR:C[2_757]	0.94	1.26
1:A:59:GLN:CA	1:B:181:ALA:CA[2_757]	0.94	1.26
1:A:81:GLU:OE1	1:B:227:ASP:OD2[2_757]	0.94	1.26
1:A:267:PHE:CE2	1:C:346:GLY:N[2_858]	0.94	1.26
1:A:384:GLY:O	1:F:40:LEU:CG[2_657]	0.94	1.26
1:B:104:LEU:CB	1:E:399:ASP:O[2_757]	0.94	1.26
1:B:216:THR:O	1:B:220:LYS:NZ[2_757]	0.94	1.26
1:B:317:HIS:O	1:C:199:PHE:O[2_858]	0.94	1.26
1:B:323:LYS:CA	1:C:246:ILE:CG1[2_858]	0.94	1.26
1:B:352:PRO:O	1:C:161:ASP:O[2_858]	0.94	1.26
1:B:359:ASN:N	1:D:150:PRO:N[2_858]	0.94	1.26
1:B:367:ASN:CB	1:C:185:TYR:CG[2_858]	0.94	1.26
1:D:32:ILE:O	1:E:110:ARG:N[2_757]	0.94	1.26
1:D:35:TYR:CD2	1:E:108:VAL:N[2_757]	0.94	1.26
1:D:37:ASP:CG	1:E:310:ALA:N[2_757]	0.94	1.26
1:D:38:VAL:C	1:E:293:MET:CB[2_757]	0.94	1.26
1:D:38:VAL:N	1:E:293:MET:CG[2_757]	0.94	1.26
1:D:73:LYS:N	1:E:265:GLY:O[2_757]	0.94	1.26
1:D:134:HIS:CG	1:F:377:LYS:CG[2_757]	0.94	1.26
1:D:137:GLY:CA	1:F:387:GLU:N[2_757]	0.94	1.26
1:D:237:TYR:N	1:F:27:ILE:CD1[2_757]	0.94	1.26
1:D:246:ILE:CB	1:F:17:ASP:C[2_757]	0.94	1.26
1:D:306:GLU:CG	1:E:264:LYS:N[2_757]	0.94	1.26
1:D:307:SER:N	1:E:263:SER:OG[2_757]	0.94	1.26
1:E:45:LEU:CD1	1:F:164:THR:CG2[2_657]	0.94	1.26
1:E:84:VAL:CB	1:F:224:ARG:CA[2_657]	0.94	1.26
1:E:93:TRP:CD2	1:E:146:LEU:C[2_657]	0.94	1.26
1:A:119:PRO:C	1:C:40:LEU:O[2_858]	0.95	1.25
1:A:258:ALA:CB	1:C:303:LYS:CB[2_858]	0.95	1.25
1:A:266:GLY:N	1:C:354:LEU:CD1[2_858]	0.95	1.25
1:B:66:LYS:NZ	1:E:396:GLU:CA[2_757]	0.95	1.25
1:B:87:PHE:CG	5:E:1521:HOH:O[2_757]	0.95	1.25
1:B:93:TRP:CD1	1:E:342:LEU:C[2_757]	0.95	1.25
1:B:122:VAL:CA	1:C:65:ILE:N[2_858]	0.95	1.25
1:B:322:GLN:NE2	1:C:240:LYS:CB[2_858]	0.95	1.25
1:B:331:SER:CB	1:C:192:GLU:N[2_858]	0.95	1.25
1:B:366:LEU:C	1:C:185:TYR:CE1[2_858]	0.95	1.25
1:B:406:GLN:OE1	1:C:220:LYS:CB[2_858]	0.95	1.25
1:D:13:GLU:CG	1:E:128:PRO:CB[2_757]	0.95	1.25

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:100:ILE:CB	1:E:264:LYS:CE[2_757]	0.95	1.25
1:D:197:SER:C	3:F:1601:NDP:N1A[2_757]	0.95	1.25
1:D:205:LYS:NZ	3:F:1601:NDP:O2N[2_757]	0.95	1.25
1:D:226:LYS:N	1:F:393:THR:OG1[2_757]	0.95	1.25
1:D:248:TYR:CA	1:F:22:ILE:CB[2_757]	0.95	1.25
1:D:249:GLU:O	1:F:321:TYR:CD1[2_757]	0.95	1.25
1:D:303:LYS:CA	1:F:286:GLY:CA[2_757]	0.95	1.25
1:D:332:ILE:CG2	1:E:248:TYR:CB[2_757]	0.95	1.25
1:D:364:ALA:O	1:E:195:ALA:CB[2_757]	0.95	1.25
1:D:376:THR:C	1:E:239:SER:CB[2_757]	0.95	1.25
1:D:392:VAL:CG2	1:E:240:LYS:NZ[2_757]	0.95	1.25
1:D:411:SER:CB	1:E:136:HIS:ND1[2_757]	0.95	1.25
1:D:411:SER:C	1:E:137:GLY:N[2_757]	0.95	1.25
1:E:45:LEU:CD1	1:F:164:THR:CB[2_657]	0.95	1.25
1:E:52:ALA:C	1:E:175:TYR:CB[2_657]	0.95	1.25
1:A:65:ILE:CG1	1:A:157:TYR:CD1[2_757]	0.96	1.24
1:A:65:ILE:CG1	1:A:157:TYR:CG[2_757]	0.96	1.24
1:A:328:SER:C	1:F:66:LYS:C[2_657]	0.96	1.24
1:B:18:GLU:C	1:C:236:GLN:CG[2_858]	0.96	1.24
1:B:43:TYR:CB	1:E:366:LEU:CD1[2_757]	0.96	1.24
1:B:68:TYR:C	1:E:374:ILE:N[2_757]	0.96	1.24
1:B:93:TRP:CA	1:E:342:LEU:CD2[2_757]	0.96	1.24
1:D:8:LYS:NZ	1:F:256:MET:C[2_757]	0.96	1.24
1:D:70:VAL:CA	1:E:125:TRP:CZ2[2_757]	0.96	1.24
1:D:72:ILE:CA	1:E:265:GLY:CA[2_757]	0.96	1.24
1:D:207:LEU:CD1	1:F:315:THR:OG1[2_757]	0.96	1.24
1:D:234:GLU:OE2	1:F:30:LYS:CE[2_757]	0.96	1.24
1:D:243:GLN:CA	1:F:15:ASP:CA[2_757]	0.96	1.24
1:D:269:MET:CG	1:F:320:LYS:N[2_757]	0.96	1.24
1:D:340:ARG:NH1	1:E:251:ARG:CB[2_757]	0.96	1.24
1:D:369:VAL:CB	1:E:233:TYR:N[2_757]	0.96	1.24
1:E:56:LYS:CG	1:F:158:LYS:N[2_657]	0.96	1.24
1:E:81:GLU:CA	1:F:227:ASP:OD2[2_657]	0.96	1.24
1:E:90:HIS:CB	1:E:180:VAL:O[2_657]	0.96	1.24
1:A:97:ASN:CB	1:B:171:LYS:N[2_757]	0.97	1.23
1:A:100:ILE:CG2	1:B:153:LEU:N[2_757]	0.97	1.23
1:A:261:ILE:O	1:C:70:VAL:N[2_858]	0.97	1.23
1:A:383:CYS:CA	1:F:42:TYR:N[2_657]	0.97	1.23
1:A:399:ASP:OD2	1:F:105:GLY:CA[2_657]	0.97	1.23
1:B:17:ASP:OD1	1:E:359:ASN:ND2[2_757]	0.97	1.23
1:B:56:LYS:C	1:E:336:PHE:N[2_757]	0.97	1.23

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:59:GLN:CB	1:E:335:ILE:N[2_757]	0.97	1.23
1:B:68:TYR:N	1:E:374:ILE:C[2_757]	0.97	1.23
1:B:289:SER:CA	1:C:299:THR:CB[2_858]	0.97	1.23
1:B:317:HIS:N	1:C:200:LYS:CA[2_858]	0.97	1.23
1:B:365:THR:CG2	1:C:187:THR:CA[2_858]	0.97	1.23
1:B:391:TYR:CG	1:C:133:ARG:N[2_858]	0.97	1.23
1:D:40:LEU:CA	1:E:112:PRO:CB[2_757]	0.97	1.23
1:D:43:TYR:CD1	1:E:120:ARG:NH1[2_757]	0.97	1.23
1:D:248:TYR:CB	1:F:22:ILE:CB[2_757]	0.97	1.23
1:D:268:ILE:CG1	1:F:315:THR:CA[2_757]	0.97	1.23
1:D:303:LYS:N	1:F:285:GLN:C[2_757]	0.97	1.23
1:D:305:PHE:N	1:E:261:ILE:C[2_757]	0.97	1.23
1:D:329:THR:CA	1:E:240:LYS:O[2_757]	0.97	1.23
1:D:339:SER:N	1:E:269:MET:CA[2_757]	0.97	1.23
1:D:356:LYS:O	1:E:272:LYS:CA[2_757]	0.97	1.23
1:D:365:THR:O	1:E:199:PHE:CZ[2_757]	0.97	1.23
1:D:372:ASP:OD2	1:E:196:HIS:NE2[2_757]	0.97	1.23
1:D:376:THR:C	1:E:239:SER:CA[2_757]	0.97	1.23
1:D:398:LEU:CB	1:E:200:LYS:O[2_757]	0.97	1.23
1:E:52:ALA:C	1:E:175:TYR:CG[2_657]	0.97	1.23
1:A:12:VAL:N	1:A:167:PRO:CA[2_757]	0.98	1.22
1:A:63:GLU:C	1:B:147:ILE:CA[2_757]	0.98	1.22
1:A:96:PRO:O	1:B:172:VAL:CG2[2_757]	0.98	1.22
1:A:103:ILE:CA	1:B:173:TYR:CE2[2_757]	0.98	1.22
1:A:262:LYS:CG	1:C:305:PHE:CD2[2_858]	0.98	1.22
1:A:288:GLY:N	1:C:39:ASP:OD2[2_858]	0.98	1.22
1:A:313:THR:N	1:B:167:PRO:C[2_757]	0.98	1.22
1:A:397:PHE:N	1:F:104:LEU:CG[2_657]	0.98	1.22
1:A:404:ARG:O	1:F:94:LYS:CD[2_657]	0.98	1.22
1:B:43:TYR:CA	1:E:366:LEU:CD1[2_757]	0.98	1.22
1:B:118:ILE:CG2	1:C:101:ARG:O[2_858]	0.98	1.22
1:B:372:ASP:OD1	1:C:184:MET:CB[2_858]	0.98	1.22
1:D:31:LEU:O	1:E:109:PHE:CD1[2_757]	0.98	1.22
1:D:81:GLU:CA	1:D:88:ASN:ND2[2_858]	0.98	1.22
1:D:138:ASP:N	1:F:388:ARG:N[2_757]	0.98	1.22
1:D:296:ILE:CG2	1:E:259:GLN:CD[2_757]	0.98	1.22
1:D:356:LYS:O	1:E:272:LYS:C[2_757]	0.98	1.22
1:F:380:ALA:C	5:D:1444:HOH:O[2_757]	0.98	1.22
1:F:386:ASN:OD1	5:D:1447:HOH:O[2_757]	0.98	1.22
1:A:207:LEU:CD2	1:C:353:ALA:O[2_858]	0.99	1.21
1:A:386:ASN:O	1:F:11:VAL:CG2[2_657]	0.99	1.21

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:388:ARG:NH2	1:F:305:PHE:CB[2_657]	0.99	1.21
1:A:398:LEU:C	1:F:103:ILE:N[2_657]	0.99	1.21
1:A:405:LEU:O	1:F:94:LYS:NZ[2_657]	0.99	1.21
1:B:11:VAL:CA	1:E:370:GLN:C[2_757]	0.99	1.21
1:B:56:LYS:N	1:E:336:PHE:C[2_757]	0.99	1.21
1:B:56:LYS:O	1:E:336:PHE:N[2_757]	0.99	1.21
1:B:93:TRP:NE1	1:E:341:GLY:O[2_757]	0.99	1.21
1:B:322:GLN:CD	1:C:240:LYS:CA[2_858]	0.99	1.21
1:B:370:GLN:OE1	1:C:141:LYS:CD[2_858]	0.99	1.21
1:D:22:ILE:CB	1:E:206:LYS:CE[2_757]	0.99	1.21
1:D:36:LEU:CB	1:E:110:ARG:CG[2_757]	0.99	1.21
1:D:36:LEU:CB	1:E:110:ARG:CB[2_757]	0.99	1.21
1:D:72:ILE:CG1	1:E:129:ILE:CG1[2_757]	0.99	1.21
1:D:191:ILE:CG1	1:F:391:TYR:CA[2_757]	0.99	1.21
1:D:227:ASP:C	1:F:396:GLU:CA[2_757]	0.99	1.21
1:D:350:ASN:OD1	1:F:253:ILE:CD1[2_757]	0.99	1.21
1:D:351:THR:O	1:E:278:VAL:CB[2_757]	0.99	1.21
1:E:61:ALA:O	1:F:163:THR:OG1[2_657]	0.99	1.21
1:E:90:HIS:CG	1:E:181:ALA:N[2_657]	0.99	1.21
1:A:48:GLU:O	1:B:185:TYR:CD2[2_757]	1.00	1.20
1:A:51:ASP:OD2	1:B:185:TYR:O[2_757]	1.00	1.20
1:A:100:ILE:O	1:B:173:TYR:C[2_757]	1.00	1.20
1:A:264:LYS:CA	1:C:341:GLY:O[2_858]	1.00	1.20
1:A:369:VAL:N	1:F:58:THR:CA[2_657]	1.00	1.20
1:A:391:TYR:CG	1:F:70:VAL:C[2_657]	1.00	1.20
1:A:400:ALA:N	1:F:102:ASN:N[2_657]	1.00	1.20
1:A:401:VAL:N	1:F:99:THR:O[2_657]	1.00	1.20
1:A:402:GLU:CB	1:F:102:ASN:CG[2_657]	1.00	1.20
1:B:58:THR:CG2	1:E:361:LEU:CD2[2_757]	1.00	1.20
1:B:65:ILE:CA	1:E:368:THR:CG2[2_757]	1.00	1.20
1:B:77:ILE:O	1:E:354:LEU:O[2_757]	1.00	1.20
1:B:320:LYS:CG	1:C:202:ALA:N[2_858]	1.00	1.20
1:B:322:GLN:CA	1:C:241:PHE:CA[2_858]	1.00	1.20
1:B:323:LYS:NZ	1:C:206:LYS:CG[2_858]	1.00	1.20
1:B:357:PHE:O	1:D:149:GLY:N[2_858]	1.00	1.20
1:B:377:LYS:CE	1:C:109:PHE:CB[2_858]	1.00	1.20
1:D:8:LYS:CG	1:F:258:ALA:CB[2_757]	1.00	1.20
1:D:13:GLU:CB	1:E:128:PRO:CA[2_757]	1.00	1.20
1:D:67:LYS:C	1:E:121:LEU:C[2_757]	1.00	1.20
1:D:229:PHE:CZ	1:F:328:SER:CA[2_757]	1.00	1.20
1:D:229:PHE:CA	1:F:394:THR:C[2_757]	1.00	1.20

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:230:GLN:NE2	1:F:26:LYS:CD[2_757]	1.00	1.20
1:D:267:PHE:N	1:F:319:ARG:CZ[2_757]	1.00	1.20
1:D:330:ASN:O	1:E:246:ILE:CG1[2_757]	1.00	1.20
1:D:337:ALA:C	1:E:267:PHE:CD1[2_757]	1.00	1.20
1:D:397:PHE:CE1	1:E:237:TYR:CG[2_757]	1.00	1.20
1:D:404:ARG:O	1:E:194:PHE:N[2_757]	1.00	1.20
1:E:58:THR:CB	1:F:165:ALA:CA[2_657]	1.00	1.20
1:A:125:TRP:CZ2	1:C:345:ARG:NH1[2_858]	1.01	1.19
1:A:267:PHE:CZ	1:C:345:ARG:C[2_858]	1.01	1.19
1:A:320:LYS:N	1:B:161:ASP:OD2[2_757]	1.01	1.19
1:A:366:LEU:C	1:F:55:ASP:O[2_657]	1.01	1.19
1:A:406:GLN:OE1	1:F:141:LYS:CA[2_657]	1.01	1.19
1:B:43:TYR:CD2	1:E:366:LEU:CD2[2_757]	1.01	1.19
1:B:54:SER:CB	1:E:307:SER:OG[2_757]	1.01	1.19
1:B:60:ASP:CB	1:E:332:ILE:CG2[2_757]	1.01	1.19
1:B:65:ILE:CB	1:E:368:THR:OG1[2_757]	1.01	1.19
1:B:65:ILE:CG1	1:E:368:THR:OG1[2_757]	1.01	1.19
1:B:67:LYS:C	1:E:374:ILE:C[2_757]	1.01	1.19
1:B:67:LYS:CG	1:E:375:MET:CB[2_757]	1.01	1.19
1:B:104:LEU:CA	1:E:399:ASP:O[2_757]	1.01	1.19
1:B:363:SER:CB	1:D:175:TYR:CD1[2_858]	1.01	1.19
1:B:370:GLN:OE1	1:C:141:LYS:CG[2_858]	1.01	1.19
1:B:403:LYS:CG	1:D:144:ASP:OD2[2_858]	1.01	1.19
1:B:411:SER:N	1:C:168:GLN:C[2_858]	1.01	1.19
1:D:134:HIS:C	1:F:377:LYS:CE[2_757]	1.01	1.19
1:D:231:GLU:CB	1:F:398:LEU:C[2_757]	1.01	1.19
1:D:238:LYS:CA	1:F:24:TRP:C[2_757]	1.01	1.19
1:D:239:SER:OG	1:F:338:TRP:NE1[2_757]	1.01	1.19
1:D:349:ASP:C	1:F:257:VAL:CB[2_757]	1.01	1.19
1:D:355:CYS:N	1:E:275:ASP:O[2_757]	1.01	1.19
1:D:357:PHE:CZ	1:E:133:ARG:N[2_757]	1.01	1.19
1:D:399:ASP:O	1:E:200:LYS:CD[2_757]	1.01	1.19
1:E:59:GLN:CG	1:F:167:PRO:CD[2_657]	1.01	1.19
1:E:91:LYS:CE	1:E:145:THR:CG2[2_657]	1.01	1.19
1:A:2:PHE:CB	1:E:155:LEU:CG[2_657]	1.02	1.18
1:A:15:ASP:CG	1:A:154:GLU:OE2[2_757]	1.02	1.18
1:A:18:GLU:CA	1:B:158:LYS:O[2_757]	1.02	1.18
1:A:66:LYS:CD	1:B:177:GLY:O[2_757]	1.02	1.18
1:A:120:ARG:CA	1:C:41:LYS:CA[2_858]	1.02	1.18
1:A:264:LYS:CE	1:C:337:ALA:O[2_858]	1.02	1.18
1:A:268:ILE:CA	1:C:351:THR:CA[2_858]	1.02	1.18

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:283:VAL:CG1	1:C:8:LYS:C[2_858]	1.02	1.18
1:A:374:ILE:CG2	1:F:100:ILE:CG2[2_657]	1.02	1.18
1:A:376:THR:OG1	1:F:64:ALA:N[2_657]	1.02	1.18
1:B:26:LYS:CE	1:C:230:GLN:CA[2_858]	1.02	1.18
1:B:31:LEU:CD2	1:C:224:ARG:NE[2_858]	1.02	1.18
1:B:56:LYS:CE	1:E:308:GLU:C[2_757]	1.02	1.18
1:B:68:TYR:CA	1:E:373:GLY:C[2_757]	1.02	1.18
1:B:93:TRP:CD2	1:E:342:LEU:N[2_757]	1.02	1.18
1:B:140:TYR:O	1:E:34:PRO:CD[2_757]	1.02	1.18
1:B:297:LEU:N	1:E:407:LYS:CD[2_757]	1.02	1.18
1:B:330:ASN:N	1:C:193:GLY:O[2_858]	1.02	1.18
1:B:369:VAL:CA	1:C:137:GLY:CA[2_858]	1.02	1.18
1:B:409:ILE:CA	1:C:168:GLN:OE1[2_858]	1.02	1.18
1:C:314:VAL:O	1:C:323:LYS:CD[2_958]	1.02	1.18
1:D:11:VAL:C	1:E:287:PHE:CG[2_757]	1.02	1.18
1:D:32:ILE:C	1:E:109:PHE:C[2_757]	1.02	1.18
1:D:39:ASP:OD1	1:E:292:LEU:CB[2_757]	1.02	1.18
1:D:70:VAL:C	1:E:125:TRP:CD2[2_757]	1.02	1.18
1:D:109:PHE:CG	3:F:1601:NDP:O3B[2_757]	1.02	1.18
1:D:135:ALA:C	1:F:381:LEU:CD2[2_757]	1.02	1.18
1:D:199:PHE:CG	1:F:23:ILE:CD1[2_757]	1.02	1.18
1:D:309:ALA:CB	1:E:208:ASN:ND2[2_757]	1.02	1.18
1:D:362:GLU:O	1:E:229:PHE:CD2[2_757]	1.02	1.18
1:D:369:VAL:N	1:E:232:VAL:CA[2_757]	1.02	1.18
1:D:397:PHE:CD1	1:E:237:TYR:CD2[2_757]	1.02	1.18
1:E:50:ARG:CB	1:E:149:GLY:N[2_657]	1.02	1.18
1:E:90:HIS:CD2	1:E:181:ALA:CA[2_657]	1.02	1.18
1:E:90:HIS:CE1	1:E:181:ALA:C[2_657]	1.02	1.18
1:A:125:TRP:CB	1:C:11:VAL:CG2[2_858]	1.03	1.17
1:A:162:PRO:C	1:A:345:ARG:NE[2_757]	1.03	1.17
1:A:219:LYS:N	1:E:37:ASP:CG[2_757]	1.03	1.17
1:A:332:ILE:N	1:F:63:GLU:CD[2_657]	1.03	1.17
1:A:365:THR:C	1:F:59:GLN:CG[2_657]	1.03	1.17
1:A:372:ASP:CG	1:F:96:PRO:CA[2_657]	1.03	1.17
1:B:168:GLN:CD	3:A:1101:NDP:O3D[2_757]	1.03	1.17
1:B:56:LYS:N	1:E:337:ALA:N[2_757]	1.03	1.17
1:B:73:LYS:CA	1:E:408:GLU:OE1[2_757]	1.03	1.17
1:B:77:ILE:CB	1:E:356:LYS:N[2_757]	1.03	1.17
1:B:93:TRP:CD1	1:E:342:LEU:CA[2_757]	1.03	1.17
1:B:126:GLU:N	1:C:63:GLU:CD[2_858]	1.03	1.17
1:B:285:GLN:CD	1:C:304:THR:N[2_858]	1.03	1.17

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:396:GLU:OE1	1:C:212:SER:N[2_858]	1.03	1.17
1:B:398:LEU:CD1	1:C:228:ILE:CG2[2_858]	1.03	1.17
1:D:2:PHE:CB	1:E:100:ILE:CG2[2_757]	1.03	1.17
1:D:6:LYS:NZ	1:E:312:GLY:CA[2_757]	1.03	1.17
1:D:10:PRO:CA	1:E:284:ALA:O[2_757]	1.03	1.17
1:D:70:VAL:O	1:E:125:TRP:CE3[2_757]	1.03	1.17
1:D:115:ILE:CB	1:E:230:GLN:NE2[2_757]	1.03	1.17
1:D:205:LYS:CB	3:F:1601:NDP:C4D[2_757]	1.03	1.17
1:D:211:LEU:CA	1:F:327:THR:OG1[2_757]	1.03	1.17
1:D:239:SER:OG	1:F:338:TRP:CE2[2_757]	1.03	1.17
1:D:349:ASP:O	1:F:257:VAL:CG1[2_757]	1.03	1.17
1:D:404:ARG:O	1:E:193:GLY:C[2_757]	1.03	1.17
1:E:50:ARG:CB	1:E:148:PRO:C[2_657]	1.03	1.17
1:E:60:ASP:C	1:F:162:PRO:CD[2_657]	1.03	1.17
1:A:21:ARG:CZ	1:A:171:LYS:CE[2_757]	1.04	1.16
1:A:94:LYS:C	1:A:143:THR:O[2_757]	1.04	1.16
1:A:317:HIS:CB	1:B:162:PRO:CB[2_757]	1.04	1.16
1:A:318:TYR:O	1:B:161:ASP:N[2_757]	1.04	1.16
1:A:390:ALA:CA	1:F:72:ILE:N[2_657]	1.04	1.16
1:B:169:THR:C	3:A:1101:NDP:N7N[2_757]	1.04	1.16
1:B:63:GLU:CD	1:E:331:SER:CB[2_757]	1.04	1.16
1:B:93:TRP:CZ2	1:E:341:GLY:CA[2_757]	1.04	1.16
1:B:115:ILE:CG2	1:C:102:ASN:ND2[2_858]	1.04	1.16
1:B:117:ARG:NE	1:C:140:TYR:O[2_858]	1.04	1.16
1:B:141:LYS:NZ	1:E:29:LYS:N[2_757]	1.04	1.16
1:B:297:LEU:CD2	1:E:403:LYS:C[2_757]	1.04	1.16
1:B:320:LYS:CD	1:C:201:LEU:C[2_858]	1.04	1.16
1:B:322:GLN:N	1:C:241:PHE:CD1[2_858]	1.04	1.16
1:B:332:ILE:N	1:C:189:GLU:C[2_858]	1.04	1.16
1:B:359:ASN:CA	1:D:150:PRO:C[2_858]	1.04	1.16
1:B:391:TYR:CB	1:C:133:ARG:CA[2_858]	1.04	1.16
1:B:391:TYR:CG	1:C:133:ARG:CA[2_858]	1.04	1.16
1:B:395:GLU:N	1:C:229:PHE:CD1[2_858]	1.04	1.16
1:B:401:VAL:O	1:D:180:VAL:CG1[2_858]	1.04	1.16
1:B:405:LEU:CD2	1:D:147:ILE:N[2_858]	1.04	1.16
1:E:409:ILE:CG2	4:B:1202:AKG:O1[2_757]	1.04	1.16
1:C:85:LYS:NZ	1:C:88:ASN:N[2_958]	1.04	1.16
1:D:10:PRO:CD	1:E:285:GLN:C[2_757]	1.04	1.16
1:D:22:ILE:CG1	1:E:206:LYS:NZ[2_757]	1.04	1.16
1:D:136:HIS:CE1	1:F:385:ASN:CB[2_757]	1.04	1.16
1:D:189:GLU:O	1:F:375:MET:CB[2_757]	1.04	1.16

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:190:SER:CB	1:F:380:ALA:CB[2_757]	1.04	1.16
1:D:204:ASP:O	3:F:1601:NDP:C6N[2_757]	1.04	1.16
1:D:206:LYS:O	1:F:77:ILE:CG1[2_757]	1.04	1.16
1:D:241:PHE:CE1	1:F:20:THR:CA[2_757]	1.04	1.16
1:D:241:PHE:CD1	1:F:20:THR:O[2_757]	1.04	1.16
1:D:244:LEU:N	1:F:15:ASP:O[2_757]	1.04	1.16
1:D:266:GLY:C	1:F:319:ARG:NH2[2_757]	1.04	1.16
1:D:266:GLY:C	1:F:319:ARG:CZ[2_757]	1.04	1.16
1:D:334:SER:CA	1:E:208:ASN:N[2_757]	1.04	1.16
1:D:401:VAL:CA	1:E:196:HIS:C[2_757]	1.04	1.16
1:D:404:ARG:NH2	1:E:192:GLU:CB[2_757]	1.04	1.16
1:D:408:GLU:O	1:E:134:HIS:CE1[2_757]	1.04	1.16
1:E:85:LYS:CB	1:F:225:PHE:O[2_657]	1.04	1.16
1:E:86:GLU:N	1:F:228:ILE:CB[2_657]	1.04	1.16
1:A:123:PRO:N	1:C:12:VAL:CB[2_858]	1.05	1.15
1:A:216:THR:OG1	1:E:5:ILE:N[2_757]	1.05	1.15
1:A:316:ARG:O	1:B:163:THR:CA[2_757]	1.05	1.15
1:A:332:ILE:N	1:F:63:GLU:OE1[2_657]	1.05	1.15
1:A:398:LEU:CA	1:F:103:ILE:C[2_657]	1.05	1.15
1:A:404:ARG:NH2	1:F:94:LYS:O[2_657]	1.05	1.15
1:B:169:THR:C	3:A:1101:NDP:C7N[2_757]	1.05	1.15
1:B:59:GLN:CA	1:E:335:ILE:CG1[2_757]	1.05	1.15
1:B:66:LYS:CD	1:E:397:PHE:CA[2_757]	1.05	1.15
1:B:102:ASN:CG	1:E:30:LYS:CA[2_757]	1.05	1.15
1:B:329:THR:O	1:C:195:ALA:N[2_858]	1.05	1.15
1:B:335:ILE:CD1	1:C:188:ASP:C[2_858]	1.05	1.15
1:B:363:SER:N	1:D:175:TYR:CB[2_858]	1.05	1.15
1:B:378:ASP:OD2	1:C:106:GLY:CA[2_858]	1.05	1.15
1:B:378:ASP:N	1:C:107:THR:CB[2_858]	1.05	1.15
1:B:392:VAL:CG1	1:C:272:LYS:N[2_858]	1.05	1.15
1:B:396:GLU:O	1:C:225:PHE:CG[2_858]	1.05	1.15
1:B:406:GLN:C	1:D:145:THR:OG1[2_858]	1.05	1.15
1:B:410:LYS:CB	1:C:170:LEU:CG[2_858]	1.05	1.15
1:D:5:ILE:CD1	1:E:133:ARG:CD[2_757]	1.05	1.15
1:D:11:VAL:CA	1:E:287:PHE:CD1[2_757]	1.05	1.15
1:D:81:GLU:CA	1:D:88:ASN:CG[2_858]	1.05	1.15
1:D:118:ILE:N	1:E:234:GLU:OE2[2_757]	1.05	1.15
1:D:138:ASP:CG	1:F:388:ARG:CB[2_757]	1.05	1.15
1:D:208:ASN:O	1:F:318:TYR:CB[2_757]	1.05	1.15
1:D:233:TYR:O	1:F:27:ILE:CG1[2_757]	1.05	1.15
1:D:242:GLU:C	1:F:15:ASP:CG[2_757]	1.05	1.15

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:249:GLU:CB	1:F:321:TYR:CZ[2_757]	1.05	1.15
1:D:260:MET:SD	1:F:323:LYS:NZ[2_757]	1.05	1.15
1:D:301:ASP:N	1:F:288:GLY:C[2_757]	1.05	1.15
1:D:303:LYS:C	1:F:286:GLY:CA[2_757]	1.05	1.15
1:D:333:ALA:N	1:E:247:HIS:O[2_757]	1.05	1.15
1:D:339:SER:CA	1:E:269:MET:CB[2_757]	1.05	1.15
1:D:344:LYS:CG	1:E:257:VAL:O[2_757]	1.05	1.15
1:D:369:VAL:CG2	1:E:233:TYR:CA[2_757]	1.05	1.15
1:D:398:LEU:CA	1:E:200:LYS:CA[2_757]	1.05	1.15
1:E:53:THR:N	1:E:175:TYR:CB[2_657]	1.05	1.15
1:E:85:LYS:CG	1:F:225:PHE:O[2_657]	1.05	1.15
1:A:15:ASP:O	1:A:154:GLU:CB[2_757]	1.06	1.14
1:A:34:PRO:C	1:E:173:TYR:C[2_657]	1.06	1.14
1:A:43:TYR:C	1:A:170:LEU:CB[2_757]	1.06	1.14
1:A:63:GLU:N	1:B:147:ILE:CG1[2_757]	1.06	1.14
1:A:103:ILE:N	1:B:173:TYR:CG[2_757]	1.06	1.14
1:A:104:LEU:CA	1:B:174:ASP:O[2_757]	1.06	1.14
1:A:115:ILE:CD1	1:F:60:ASP:CB[2_657]	1.06	1.14
1:A:122:VAL:C	1:C:12:VAL:N[2_858]	1.06	1.14
1:A:122:VAL:CA	1:C:12:VAL:CG2[2_858]	1.06	1.14
1:A:217:ILE:CD1	1:E:35:TYR:O[2_757]	1.06	1.14
1:A:264:LYS:CB	1:C:342:LEU:N[2_858]	1.06	1.14
1:A:267:PHE:CD2	1:C:346:GLY:CA[2_858]	1.06	1.14
1:A:330:ASN:ND2	1:F:63:GLU:CB[2_657]	1.06	1.14
1:A:393:THR:CG2	1:F:304:THR:O[2_657]	1.06	1.14
1:B:41:LYS:CB	1:E:115:ILE:CG2[2_757]	1.06	1.14
1:B:95:SER:O	1:E:357:PHE:CZ[2_757]	1.06	1.14
1:B:122:VAL:C	1:C:64:ALA:N[2_858]	1.06	1.14
1:B:139:GLN:O	1:E:4:LYS:NZ[2_757]	1.06	1.14
1:B:330:ASN:O	1:C:193:GLY:N[2_858]	1.06	1.14
1:B:377:LYS:CD	1:C:109:PHE:CD1[2_858]	1.06	1.14
1:B:397:PHE:N	1:C:225:PHE:CD2[2_858]	1.06	1.14
1:D:65:ILE:CD1	1:E:124:ARG:O[2_757]	1.06	1.14
1:D:72:ILE:CD1	1:E:129:ILE:CB[2_757]	1.06	1.14
1:D:109:PHE:CE1	3:F:1601:NDP:C2B[2_757]	1.06	1.14
1:D:204:ASP:N	1:F:312:GLY:CA[2_757]	1.06	1.14
1:D:242:GLU:OE2	5:F:1636:HOH:O[2_757]	1.06	1.14
1:D:246:ILE:CG2	1:F:17:ASP:CB[2_757]	1.06	1.14
1:D:404:ARG:C	1:E:193:GLY:O[2_757]	1.06	1.14
1:E:48:GLU:C	1:E:177:GLY:C[2_657]	1.06	1.14
1:E:54:SER:O	1:F:157:TYR:CG[2_657]	1.06	1.14

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:91:LYS:CD	1:E:145:THR:CB[2_657]	1.06	1.14
1:A:33:LEU:CA	1:E:174:ASP:CB[2_657]	1.07	1.13
1:A:66:LYS:C	1:B:149:GLY:CA[2_757]	1.07	1.13
1:A:70:VAL:C	1:A:159:PRO:CD[2_757]	1.07	1.13
1:A:75:ALA:N	1:B:156:VAL:CG1[2_757]	1.07	1.13
1:A:83:ARG:NH1	1:A:148:PRO:N[2_757]	1.07	1.13
1:A:88:ASN:N	1:B:187:THR:CA[2_757]	1.07	1.13
1:A:97:ASN:CG	1:B:170:LEU:C[2_757]	1.07	1.13
1:A:267:PHE:CD1	1:C:346:GLY:O[2_858]	1.07	1.13
1:A:269:MET:CG	1:C:349:ASP:C[2_858]	1.07	1.13
1:A:399:ASP:O	1:F:102:ASN:CB[2_657]	1.07	1.13
1:B:30:LYS:NZ	1:C:227:ASP:N[2_858]	1.07	1.13
1:B:47:VAL:O	1:E:343:LEU:CB[2_757]	1.07	1.13
1:B:54:SER:OG	1:E:307:SER:CA[2_757]	1.07	1.13
1:B:56:LYS:C	1:E:336:PHE:CA[2_757]	1.07	1.13
1:B:71:GLY:O	1:E:404:ARG:NH1[2_757]	1.07	1.13
1:B:89:LEU:CB	1:E:344:LYS:C[2_757]	1.07	1.13
1:B:89:LEU:CD1	1:E:346:GLY:N[2_757]	1.07	1.13
1:B:118:ILE:CG2	1:C:101:ARG:C[2_858]	1.07	1.13
1:B:277:ASP:OD1	1:E:2:PHE:CD2[2_757]	1.07	1.13
1:B:321:TYR:C	1:C:241:PHE:CD1[2_858]	1.07	1.13
1:B:330:ASN:CA	1:C:194:PHE:N[2_858]	1.07	1.13
1:B:332:ILE:O	1:C:189:GLU:CG[2_858]	1.07	1.13
1:B:370:GLN:O	1:C:141:LYS:C[2_858]	1.07	1.13
1:B:381:LEU:CD1	1:C:296:ILE:O[2_858]	1.07	1.13
1:D:14:LEU:CA	1:E:127:LYS:CA[2_757]	1.07	1.13
1:D:85:LYS:CE	1:D:87:PHE:CD1[2_858]	1.07	1.13
1:D:138:ASP:OD2	1:F:388:ARG:CG[2_757]	1.07	1.13
1:D:138:ASP:N	1:F:387:GLU:C[2_757]	1.07	1.13
1:D:195:ALA:O	1:F:330:ASN:N[2_757]	1.07	1.13
1:D:210:PHE:CA	1:F:321:TYR:CB[2_757]	1.07	1.13
1:D:212:SER:CA	1:F:326:GLU:N[2_757]	1.07	1.13
1:D:229:PHE:CD2	1:F:394:THR:OG1[2_757]	1.07	1.13
1:D:243:GLN:CG	1:F:14:LEU:CA[2_757]	1.07	1.13
1:D:243:GLN:CG	1:F:14:LEU:C[2_757]	1.07	1.13
1:D:302:GLY:C	1:F:285:GLN:N[2_757]	1.07	1.13
1:D:306:GLU:CB	1:E:263:SER:C[2_757]	1.07	1.13
1:D:344:LYS:CG	1:E:257:VAL:C[2_757]	1.07	1.13
1:D:351:THR:C	1:E:278:VAL:CB[2_757]	1.07	1.13
1:D:355:CYS:N	1:E:275:ASP:C[2_757]	1.07	1.13
1:D:366:LEU:C	1:E:229:PHE:O[2_757]	1.07	1.13

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:374:ILE:CA	1:E:236:GLN:CB[2_757]	1.07	1.13
1:D:375:MET:N	1:E:236:GLN:C[2_757]	1.07	1.13
1:D:401:VAL:N	1:E:196:HIS:O[2_757]	1.07	1.13
1:D:408:GLU:CD	1:E:191:ILE:O[2_757]	1.07	1.13
1:E:61:ALA:N	1:F:162:PRO:N[2_657]	1.07	1.13
1:E:85:LYS:CE	1:F:211:LEU:CD1[2_657]	1.07	1.13
1:A:30:LYS:N	5:E:1529:HOH:O[2_657]	1.08	1.12
1:A:67:LYS:CA	1:B:149:GLY:N[2_757]	1.08	1.12
1:A:86:GLU:CB	1:A:178:SER:CB[2_757]	1.08	1.12
1:A:87:PHE:CE2	1:A:175:TYR:CG[2_757]	1.08	1.12
1:A:160:SER:CB	1:A:304:THR:C[2_757]	1.08	1.12
1:A:214:LYS:CD	1:E:3:SER:CA[2_757]	1.08	1.12
1:A:214:LYS:CD	1:E:3:SER:C[2_757]	1.08	1.12
1:A:287:PHE:C	1:C:39:ASP:CG[2_858]	1.08	1.12
1:A:318:TYR:CG	1:B:160:SER:N[2_757]	1.08	1.12
1:A:392:VAL:CG1	1:F:306:GLU:CB[2_657]	1.08	1.12
1:A:398:LEU:N	1:F:103:ILE:C[2_657]	1.08	1.12
1:B:22:ILE:CB	1:C:232:VAL:O[2_858]	1.08	1.12
1:B:57:ILE:C	1:E:336:PHE:CD1[2_757]	1.08	1.12
1:B:59:GLN:CD	1:E:27:ILE:CD1[2_757]	1.08	1.12
1:B:60:ASP:CA	1:E:332:ILE:CA[2_757]	1.08	1.12
1:B:61:ALA:CA	1:E:365:THR:CG2[2_757]	1.08	1.12
1:B:66:LYS:NZ	1:E:396:GLU:C[2_757]	1.08	1.12
1:B:77:ILE:N	1:E:356:LYS:C[2_757]	1.08	1.12
1:B:82:ALA:O	1:E:350:ASN:CA[2_757]	1.08	1.12
1:B:96:PRO:CG	1:E:357:PHE:O[2_757]	1.08	1.12
1:B:121:LEU:O	1:C:65:ILE:CA[2_858]	1.08	1.12
1:B:287:PHE:CB	1:C:66:LYS:NZ[2_858]	1.08	1.12
1:B:306:GLU:OE1	1:E:404:ARG:C[2_757]	1.08	1.12
1:B:317:HIS:O	1:C:199:PHE:C[2_858]	1.08	1.12
1:B:330:ASN:O	1:C:193:GLY:CA[2_858]	1.08	1.12
1:B:360:ILE:CG1	1:C:157:TYR:CE1[2_858]	1.08	1.12
1:B:378:ASP:O	1:C:297:LEU:CD1[2_858]	1.08	1.12
1:C:391:TYR:OH	1:C:393:THR:CG2[2_958]	1.08	1.12
1:D:24:TRP:N	1:E:205:LYS:C[2_757]	1.08	1.12
1:D:35:TYR:CG	1:E:108:VAL:N[2_757]	1.08	1.12
1:D:113:ILE:CD1	1:E:249:GLU:N[2_757]	1.08	1.12
1:D:185:TYR:CE1	1:F:387:GLU:CD[2_757]	1.08	1.12
1:D:190:SER:N	1:F:375:MET:CG[2_757]	1.08	1.12
1:D:305:PHE:N	1:E:261:ILE:O[2_757]	1.08	1.12
1:D:356:LYS:N	1:E:275:ASP:N[2_757]	1.08	1.12

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:51:ASP:CG	1:E:179:GLY:CA[2_657]	1.08	1.12
1:E:93:TRP:N	1:E:146:LEU:CB[2_657]	1.08	1.12
1:A:14:LEU:CG	1:A:156:VAL:C[2_757]	1.09	1.11
1:A:44:ASP:CA	1:A:170:LEU:C[2_757]	1.09	1.11
1:A:59:GLN:NE2	1:A:185:TYR:C[2_757]	1.09	1.11
1:A:63:GLU:OE1	1:B:179:GLY:C[2_757]	1.09	1.11
1:A:79:PRO:CB	1:A:145:THR:O[2_757]	1.09	1.11
1:A:85:LYS:N	1:B:188:ASP:OD1[2_757]	1.09	1.11
1:A:122:VAL:CG2	1:C:68:TYR:CB[2_858]	1.09	1.11
1:A:216:THR:CB	1:E:5:ILE:CB[2_757]	1.09	1.11
1:A:264:LYS:CA	1:C:341:GLY:C[2_858]	1.09	1.11
1:A:286:GLY:C	1:C:10:PRO:CB[2_858]	1.09	1.11
1:A:332:ILE:CA	1:F:63:GLU:OE1[2_657]	1.09	1.11
1:B:65:ILE:C	1:E:368:THR:CG2[2_757]	1.09	1.11
1:B:79:PRO:N	1:E:354:LEU:CA[2_757]	1.09	1.11
1:B:79:PRO:CD	1:E:354:LEU:CD2[2_757]	1.09	1.11
1:B:83:ARG:CD	1:E:351:THR:C[2_757]	1.09	1.11
1:B:93:TRP:CE2	1:E:341:GLY:O[2_757]	1.09	1.11
1:B:110:ARG:NE	1:E:410:LYS:CG[2_757]	1.09	1.11
1:B:123:PRO:CB	1:C:61:ALA:C[2_858]	1.09	1.11
1:B:286:GLY:O	1:C:66:LYS:CA[2_858]	1.09	1.11
1:B:290:LEU:CB	1:C:301:ASP:CA[2_858]	1.09	1.11
1:B:317:HIS:ND1	1:C:197:SER:C[2_858]	1.09	1.11
1:B:351:THR:CG2	1:C:163:THR:CG2[2_858]	1.09	1.11
1:D:2:PHE:CE1	1:E:100:ILE:N[2_757]	1.09	1.11
1:D:26:LYS:CD	1:E:204:ASP:OD1[2_757]	1.09	1.11
1:D:233:TYR:CE2	1:F:22:ILE:O[2_757]	1.09	1.11
1:D:243:GLN:C	1:F:15:ASP:C[2_757]	1.09	1.11
1:D:358:ALA:O	1:E:270:ALA:C[2_757]	1.09	1.11
1:D:374:ILE:CB	1:E:236:GLN:CG[2_757]	1.09	1.11
1:D:398:LEU:CD1	1:E:204:ASP:N[2_757]	1.09	1.11
1:D:401:VAL:C	1:E:197:SER:N[2_757]	1.09	1.11
1:E:53:THR:OG1	1:E:151:GLY:N[2_657]	1.09	1.11
1:E:82:ALA:CA	1:F:227:ASP:CA[2_657]	1.09	1.11
1:A:43:TYR:CB	1:A:170:LEU:CG[2_757]	1.10	1.10
1:A:66:LYS:C	1:B:149:GLY:C[2_757]	1.10	1.10
1:A:97:ASN:ND2	1:B:170:LEU:N[2_757]	1.10	1.10
1:A:104:LEU:N	1:B:174:ASP:C[2_757]	1.10	1.10
1:A:121:LEU:N	1:C:41:LYS:CG[2_858]	1.10	1.10
1:A:129:ILE:O	1:C:8:LYS:N[2_858]	1.10	1.10
1:A:207:LEU:C	1:C:352:PRO:O[2_858]	1.10	1.10

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:268:ILE:N	1:C:351:THR:C[2_858]	1.10	1.10
1:A:268:ILE:O	1:C:350:ASN:C[2_858]	1.10	1.10
1:A:319:ARG:C	1:B:161:ASP:OD2[2_757]	1.10	1.10
1:B:11:VAL:O	1:E:370:GLN:CB[2_757]	1.10	1.10
1:B:40:LEU:CA	1:E:370:GLN:NE2[2_757]	1.10	1.10
1:B:57:ILE:CG1	1:E:336:PHE:CD2[2_757]	1.10	1.10
1:B:104:LEU:CA	1:E:399:ASP:C[2_757]	1.10	1.10
1:B:118:ILE:CB	1:C:101:ARG:C[2_858]	1.10	1.10
1:B:123:PRO:CD	1:C:61:ALA:O[2_858]	1.10	1.10
1:B:326:GLU:C	1:C:209:LEU:CD2[2_858]	1.10	1.10
1:B:331:SER:CB	1:C:192:GLU:CA[2_858]	1.10	1.10
1:B:359:ASN:CB	1:D:150:PRO:C[2_858]	1.10	1.10
1:B:364:ALA:CA	1:D:175:TYR:CE2[2_858]	1.10	1.10
1:B:375:MET:CG	1:C:134:HIS:O[2_858]	1.10	1.10
1:B:409:ILE:O	1:C:168:GLN:CG[2_858]	1.10	1.10
1:C:316:ARG:CB	1:C:322:GLN:C[2_958]	1.10	1.10
1:D:6:LYS:CG	1:E:310:ALA:O[2_757]	1.10	1.10
1:D:14:LEU:CD1	1:E:126:GLU:CG[2_757]	1.10	1.10
1:D:35:TYR:CB	1:E:108:VAL:CB[2_757]	1.10	1.10
1:D:104:LEU:CD1	1:E:124:ARG:CG[2_757]	1.10	1.10
1:D:134:HIS:O	1:F:377:LYS:CE[2_757]	1.10	1.10
1:D:136:HIS:CD2	1:F:385:ASN:CA[2_757]	1.10	1.10
1:D:185:TYR:CE1	1:F:387:GLU:OE2[2_757]	1.10	1.10
1:D:233:TYR:CE1	1:F:23:ILE:N[2_757]	1.10	1.10
1:D:239:SER:O	1:F:24:TRP:CE2[2_757]	1.10	1.10
1:D:246:ILE:CD1	1:F:17:ASP:O[2_757]	1.10	1.10
1:D:329:THR:CG2	1:E:244:LEU:CB[2_757]	1.10	1.10
1:D:329:THR:CG2	1:E:244:LEU:CA[2_757]	1.10	1.10
1:D:356:LYS:C	1:E:272:LYS:C[2_757]	1.10	1.10
1:D:375:MET:CA	1:E:237:TYR:N[2_757]	1.10	1.10
1:D:411:SER:CB	1:E:136:HIS:CE1[2_757]	1.10	1.10
1:E:56:LYS:O	1:F:159:PRO:CB[2_657]	1.10	1.10
1:E:93:TRP:CH2	1:E:147:ILE:CD1[2_657]	1.10	1.10
1:A:14:LEU:CG	1:A:157:TYR:N[2_757]	1.11	1.09
1:A:20:THR:C	1:B:158:LYS:CD[2_757]	1.11	1.09
1:A:89:LEU:CD1	1:A:180:VAL:CA[2_757]	1.11	1.09
1:A:97:ASN:CG	1:B:170:LEU:O[2_757]	1.11	1.09
1:A:123:PRO:CA	1:C:12:VAL:O[2_858]	1.11	1.09
1:A:125:TRP:CB	1:C:11:VAL:CB[2_858]	1.11	1.09
1:A:262:LYS:CB	1:C:305:PHE:N[2_858]	1.11	1.09
1:A:286:GLY:CA	1:C:10:PRO:CG[2_858]	1.11	1.09

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:316:ARG:O	1:B:163:THR:N[2_757]	1.11	1.09
1:A:374:ILE:CA	1:F:100:ILE:CD1[2_657]	1.11	1.09
1:A:384:GLY:N	1:F:40:LEU:O[2_657]	1.11	1.09
1:F:67:LYS:CD	3:A:1101:NDP:C2A[2_657]	1.11	1.09
1:B:10:PRO:CA	1:E:117:ARG:CD[2_757]	1.11	1.09
1:B:19:MET:CB	1:C:237:TYR:OH[2_858]	1.11	1.09
1:B:43:TYR:CB	1:E:366:LEU:CG[2_757]	1.11	1.09
1:B:55:ASP:O	1:E:335:ILE:O[2_757]	1.11	1.09
1:B:57:ILE:CD1	1:E:336:PHE:CE2[2_757]	1.11	1.09
1:B:104:LEU:CD2	1:E:400:ALA:C[2_757]	1.11	1.09
1:B:318:TYR:CE1	1:C:237:TYR:CA[2_858]	1.11	1.09
1:B:321:TYR:O	1:C:241:PHE:CD2[2_858]	1.11	1.09
1:B:321:TYR:CE1	1:C:233:TYR:CG[2_858]	1.11	1.09
1:B:322:GLN:N	1:C:241:PHE:CG[2_858]	1.11	1.09
1:B:328:SER:C	1:C:194:PHE:O[2_858]	1.11	1.09
1:B:377:LYS:CE	1:C:109:PHE:CG[2_858]	1.11	1.09
1:B:385:ASN:C	1:C:110:ARG:NE[2_858]	1.11	1.09
1:D:10:PRO:CD	1:E:285:GLN:O[2_757]	1.11	1.09
1:D:23:ILE:O	1:E:205:LYS:CA[2_757]	1.11	1.09
1:D:25:ASP:O	1:E:205:LYS:CE[2_757]	1.11	1.09
1:D:195:ALA:C	1:F:330:ASN:CA[2_757]	1.11	1.09
1:D:227:ASP:O	1:F:395:GLU:O[2_757]	1.11	1.09
1:D:241:PHE:CZ	1:F:20:THR:CA[2_757]	1.11	1.09
1:D:242:GLU:N	1:F:15:ASP:OD1[2_757]	1.11	1.09
1:D:353:ALA:CB	1:E:277:ASP:CB[2_757]	1.11	1.09
1:D:360:ILE:C	1:E:194:PHE:CZ[2_757]	1.11	1.09
1:E:48:GLU:O	1:E:177:GLY:C[2_657]	1.11	1.09
1:E:48:GLU:O	1:E:177:GLY:O[2_657]	1.11	1.09
1:E:56:LYS:O	1:F:159:PRO:CG[2_657]	1.11	1.09
1:E:60:ASP:C	1:F:162:PRO:N[2_657]	1.11	1.09
1:A:18:GLU:C	1:B:158:LYS:O[2_757]	1.12	1.08
1:A:47:VAL:CG2	1:A:175:TYR:CE1[2_757]	1.12	1.08
1:A:66:LYS:O	1:B:149:GLY:C[2_757]	1.12	1.08
1:A:85:LYS:C	1:B:188:ASP:CB[2_757]	1.12	1.08
1:A:263:SER:CB	1:C:344:LYS:C[2_858]	1.12	1.08
1:A:318:TYR:N	1:B:162:PRO:N[2_757]	1.12	1.08
1:B:23:ILE:CA	1:C:232:VAL:CG2[2_858]	1.12	1.08
1:B:45:LEU:CG	1:E:362:GLU:CA[2_757]	1.12	1.08
1:B:65:ILE:CA	1:E:368:THR:CB[2_757]	1.12	1.08
1:B:104:LEU:CG	1:E:401:VAL:N[2_757]	1.12	1.08
1:B:117:ARG:C	1:C:98:GLY:O[2_858]	1.12	1.08

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:118:ILE:CB	1:C:102:ASN:N[2_858]	1.12	1.08
1:B:122:VAL:CA	1:C:64:ALA:C[2_858]	1.12	1.08
1:B:140:TYR:O	1:E:34:PRO:CG[2_757]	1.12	1.08
1:B:277:ASP:CG	1:E:2:PHE:N[2_757]	1.12	1.08
1:B:306:GLU:OE1	1:E:404:ARG:O[2_757]	1.12	1.08
1:B:366:LEU:CD1	1:D:173:TYR:OH[2_858]	1.12	1.08
1:B:390:ALA:N	1:C:276:GLY:O[2_858]	1.12	1.08
1:B:399:ASP:CB	1:C:222:ASP:O[2_858]	1.12	1.08
1:C:134:HIS:NE2	5:B:1221:HOH:O[2_858]	1.12	1.08
1:D:5:ILE:CD1	1:E:133:ARG:NE[2_757]	1.12	1.08
1:D:23:ILE:C	1:E:206:LYS:N[2_757]	1.12	1.08
1:D:212:SER:OG	1:F:325:GLU:N[2_757]	1.12	1.08
1:D:233:TYR:CE1	1:F:23:ILE:CA[2_757]	1.12	1.08
1:D:249:GLU:CG	1:F:321:TYR:OH[2_757]	1.12	1.08
1:D:268:ILE:O	1:F:318:TYR:N[2_757]	1.12	1.08
1:D:268:ILE:CG2	1:F:317:HIS:N[2_757]	1.12	1.08
1:D:328:SER:N	1:E:243:GLN:CD[2_757]	1.12	1.08
1:E:93:TRP:CZ2	1:E:147:ILE:CG1[2_657]	1.12	1.08
1:A:45:LEU:CG	1:A:155:LEU:CB[2_757]	1.13	1.07
1:A:66:LYS:NZ	1:B:177:GLY:N[2_757]	1.13	1.07
1:A:78:THR:O	1:A:145:THR:CB[2_757]	1.13	1.07
1:A:96:PRO:O	1:B:172:VAL:CB[2_757]	1.13	1.07
1:A:102:ASN:O	1:B:173:TYR:CE1[2_757]	1.13	1.07
1:A:123:PRO:CD	1:C:12:VAL:CB[2_858]	1.13	1.07
1:A:160:SER:OG	1:A:304:THR:O[2_757]	1.13	1.07
1:A:217:ILE:O	1:E:36:LEU:O[2_757]	1.13	1.07
1:A:267:PHE:CG	1:C:346:GLY:C[2_858]	1.13	1.07
1:A:269:MET:CB	1:C:349:ASP:O[2_858]	1.13	1.07
1:B:27:ILE:CD1	1:C:192:GLU:OE1[2_858]	1.13	1.07
1:B:51:ASP:OD2	1:E:344:LYS:CD[2_757]	1.13	1.07
1:B:95:SER:C	1:E:357:PHE:CE2[2_757]	1.13	1.07
1:B:331:SER:OG	1:C:192:GLU:N[2_858]	1.13	1.07
1:B:332:ILE:CG1	1:C:190:SER:CB[2_858]	1.13	1.07
1:B:332:ILE:C	1:C:189:GLU:CG[2_858]	1.13	1.07
1:B:377:LYS:CB	1:C:107:THR:CG2[2_858]	1.13	1.07
1:B:399:ASP:C	1:C:221:TYR:O[2_858]	1.13	1.07
1:B:407:LYS:NZ	1:D:144:ASP:OD1[2_858]	1.13	1.07
1:C:316:ARG:CA	1:C:322:GLN:C[2_958]	1.13	1.07
1:D:118:ILE:CB	1:E:234:GLU:OE1[2_757]	1.13	1.07
1:D:186:ASN:CA	1:F:390:ALA:CA[2_757]	1.13	1.07
1:D:193:GLY:O	1:F:378:ASP:OD1[2_757]	1.13	1.07

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:227:ASP:C	1:F:396:GLU:C[2_757]	1.13	1.07
1:D:228:ILE:CA	1:F:397:PHE:CA[2_757]	1.13	1.07
1:D:231:GLU:CA	1:F:398:LEU:C[2_757]	1.13	1.07
1:D:233:TYR:CZ	1:F:22:ILE:O[2_757]	1.13	1.07
1:D:306:GLU:CA	1:E:263:SER:N[2_757]	1.13	1.07
1:D:330:ASN:ND2	1:E:241:PHE:CG[2_757]	1.13	1.07
1:D:357:PHE:N	1:E:272:LYS:O[2_757]	1.13	1.07
1:E:47:VAL:O	1:E:178:SER:N[2_657]	1.13	1.07
1:E:51:ASP:CB	1:E:179:GLY:N[2_657]	1.13	1.07
1:E:82:ALA:O	1:F:227:ASP:C[2_657]	1.13	1.07
1:E:90:HIS:N	1:E:180:VAL:CB[2_657]	1.13	1.07
1:A:10:PRO:N	1:A:166:GLN:NE2[2_757]	1.14	1.06
1:A:44:ASP:CG	1:A:171:LYS:CA[2_757]	1.14	1.06
1:A:51:ASP:N	1:B:184:MET:C[2_757]	1.14	1.06
1:A:60:ASP:CA	1:B:145:THR:O[2_757]	1.14	1.06
1:A:92:MET:CB	1:B:221:TYR:CA[2_757]	1.14	1.06
1:A:97:ASN:C	1:B:171:LYS:O[2_757]	1.14	1.06
1:A:100:ILE:CD1	1:B:154:GLU:N[2_757]	1.14	1.06
1:A:216:THR:CA	1:E:5:ILE:CA[2_757]	1.14	1.06
1:A:387:GLU:OE2	1:F:338:TRP:CH2[2_657]	1.14	1.06
1:A:398:LEU:C	1:F:103:ILE:CA[2_657]	1.14	1.06
1:A:404:ARG:CZ	1:F:94:LYS:O[2_657]	1.14	1.06
1:A:410:LYS:O	1:E:220:LYS:CE[2_657]	1.14	1.06
1:B:18:GLU:O	1:C:236:GLN:CG[2_858]	1.14	1.06
1:B:19:MET:CA	1:C:237:TYR:CE1[2_858]	1.14	1.06
1:B:21:ARG:C	1:C:235:ALA:CB[2_858]	1.14	1.06
1:B:76:THR:C	1:E:356:LYS:C[2_757]	1.14	1.06
1:B:81:GLU:CB	1:E:8:LYS:CB[2_757]	1.14	1.06
1:B:81:GLU:CA	1:E:8:LYS:CB[2_757]	1.14	1.06
1:B:104:LEU:CG	1:E:400:ALA:C[2_757]	1.14	1.06
1:B:121:LEU:CA	1:C:65:ILE:CB[2_858]	1.14	1.06
1:B:288:GLY:C	1:C:299:THR:CG2[2_858]	1.14	1.06
1:B:296:ILE:C	1:E:407:LYS:CD[2_757]	1.14	1.06
1:B:330:ASN:C	1:C:193:GLY:CA[2_858]	1.14	1.06
1:B:360:ILE:N	1:D:149:GLY:O[2_858]	1.14	1.06
1:B:375:MET:CE	1:C:273:ASN:ND2[2_858]	1.14	1.06
1:B:377:LYS:C	1:C:107:THR:CA[2_858]	1.14	1.06
1:B:391:TYR:CZ	1:C:132:GLY:CA[2_858]	1.14	1.06
1:B:392:VAL:CA	1:C:271:LEU:C[2_858]	1.14	1.06
1:B:399:ASP:OD1	1:C:223:GLY:O[2_858]	1.14	1.06
1:D:35:TYR:CB	1:E:108:VAL:CA[2_757]	1.14	1.06

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:70:VAL:CA	1:E:125:TRP:CE2[2_757]	1.14	1.06
1:D:191:ILE:CG1	1:F:391:TYR:C[2_757]	1.14	1.06
1:D:191:ILE:CA	1:F:375:MET:O[2_757]	1.14	1.06
1:D:305:PHE:CD1	1:E:258:ALA:O[2_757]	1.14	1.06
1:D:338:TRP:CZ3	1:E:130:ILE:N[2_757]	1.14	1.06
1:D:347:GLU:OE1	1:E:257:VAL:CG2[2_757]	1.14	1.06
1:D:349:ASP:O	1:F:257:VAL:CB[2_757]	1.14	1.06
1:D:366:LEU:O	1:E:229:PHE:O[2_757]	1.14	1.06
1:D:377:LYS:N	1:E:239:SER:CB[2_757]	1.14	1.06
1:D:409:ILE:CG2	1:E:135:ALA:CA[2_757]	1.14	1.06
1:E:56:LYS:CD	1:F:158:LYS:N[2_657]	1.14	1.06
1:E:60:ASP:OD2	1:F:159:PRO:O[2_657]	1.14	1.06
1:A:12:VAL:N	1:A:167:PRO:N[2_757]	1.15	1.05
1:A:13:GLU:O	1:A:169:THR:CA[2_757]	1.15	1.05
1:A:18:GLU:C	1:B:158:LYS:C[2_757]	1.15	1.05
1:A:47:VAL:CB	1:A:175:TYR:OH[2_757]	1.15	1.05
1:A:76:THR:CG2	1:B:156:VAL:N[2_757]	1.15	1.05
1:A:89:LEU:CD1	1:A:180:VAL:C[2_757]	1.15	1.05
1:A:92:MET:N	1:B:221:TYR:CB[2_757]	1.15	1.05
1:A:97:ASN:C	1:B:172:VAL:N[2_757]	1.15	1.05
1:A:103:ILE:CB	1:B:173:TYR:CE2[2_757]	1.15	1.05
1:A:112:PRO:CD	1:C:7:VAL:O[2_858]	1.15	1.05
1:A:218:LEU:C	1:E:37:ASP:OD1[2_757]	1.15	1.05
1:A:261:ILE:CG2	1:C:69:GLY:CA[2_858]	1.15	1.05
1:A:267:PHE:CD1	1:C:346:GLY:C[2_858]	1.15	1.05
1:B:189:GLU:CB	5:A:1129:HOH:O[2_757]	1.15	1.05
1:B:22:ILE:C	1:C:232:VAL:CA[2_858]	1.15	1.05
1:B:92:MET:SD	1:E:7:VAL:C[2_757]	1.15	1.05
1:B:124:ARG:NH2	1:F:39:ASP:CG[2_657]	1.15	1.05
1:B:140:TYR:CA	1:E:34:PRO:CA[2_757]	1.15	1.05
1:B:308:GLU:CG	1:E:407:LYS:O[2_757]	1.15	1.05
1:B:324:GLY:O	1:C:247:HIS:O[2_858]	1.15	1.05
1:B:330:ASN:CA	1:C:193:GLY:C[2_858]	1.15	1.05
1:B:332:ILE:CD1	1:C:190:SER:CB[2_858]	1.15	1.05
1:B:381:LEU:N	1:C:108:VAL:CG2[2_858]	1.15	1.05
1:B:391:TYR:CE1	1:C:132:GLY:C[2_858]	1.15	1.05
1:B:395:GLU:N	1:C:229:PHE:CG[2_858]	1.15	1.05
1:B:407:LYS:CD	1:D:144:ASP:CA[2_858]	1.15	1.05
1:D:2:PHE:CD1	1:E:100:ILE:CB[2_757]	1.15	1.05
1:D:41:LYS:CG	1:E:287:PHE:O[2_757]	1.15	1.05
1:D:81:GLU:N	1:D:88:ASN:ND2[2_858]	1.15	1.05

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:137:GLY:CA	1:F:386:ASN:C[2_757]	1.15	1.05
1:D:230:GLN:CG	5:F:1613:HOH:O[2_757]	1.15	1.05
1:D:239:SER:O	1:F:24:TRP:NE1[2_757]	1.15	1.05
1:D:352:PRO:CB	1:E:274:TYR:CE2[2_757]	1.15	1.05
1:D:357:PHE:O	1:E:271:LEU:O[2_757]	1.15	1.05
1:D:394:THR:O	1:E:203:ILE:CG2[2_757]	1.15	1.05
1:E:55:ASP:C	1:F:157:TYR:CE2[2_657]	1.15	1.05
1:E:82:ALA:CA	1:F:227:ASP:CB[2_657]	1.15	1.05
1:E:83:ARG:O	1:F:224:ARG:NH1[2_657]	1.15	1.05
1:A:3:SER:OG	1:E:170:LEU:CA[2_657]	1.16	1.04
1:A:4:LYS:NZ	1:E:152:SER:CA[2_657]	1.16	1.04
1:A:21:ARG:NH1	1:A:171:LYS:NZ[2_757]	1.16	1.04
1:A:69:GLY:O	1:A:159:PRO:C[2_757]	1.16	1.04
1:A:71:GLY:CA	1:A:158:LYS:CA[2_757]	1.16	1.04
1:A:76:THR:OG1	1:B:155:LEU:C[2_757]	1.16	1.04
1:A:91:LYS:CG	1:B:272:LYS:NZ[2_757]	1.16	1.04
1:A:100:ILE:C	1:B:173:TYR:CA[2_757]	1.16	1.04
1:A:125:TRP:CA	1:C:11:VAL:CG1[2_858]	1.16	1.04
1:A:125:TRP:CE2	1:C:345:ARG:NH1[2_858]	1.16	1.04
1:A:131:ILE:CD1	1:C:8:LYS:CE[2_858]	1.16	1.04
1:A:160:SER:CB	1:A:304:THR:CA[2_757]	1.16	1.04
1:A:389:SER:O	1:F:72:ILE:CA[2_657]	1.16	1.04
1:B:22:ILE:O	1:C:232:VAL:N[2_858]	1.16	1.04
1:B:59:GLN:OE1	1:E:27:ILE:CD1[2_757]	1.16	1.04
1:B:63:GLU:OE1	1:E:331:SER:N[2_757]	1.16	1.04
1:B:73:LYS:CB	1:E:408:GLU:CD[2_757]	1.16	1.04
1:B:79:PRO:N	1:E:354:LEU:CB[2_757]	1.16	1.04
1:B:99:THR:C	1:E:31:LEU:CG[2_757]	1.16	1.04
1:B:99:THR:O	1:E:31:LEU:CD2[2_757]	1.16	1.04
1:B:310:ALA:CA	1:E:410:LYS:C[2_757]	1.16	1.04
1:B:318:TYR:CE1	1:C:237:TYR:N[2_858]	1.16	1.04
1:B:319:ARG:CA	1:C:203:ILE:CG1[2_858]	1.16	1.04
1:B:359:ASN:N	1:D:150:PRO:CA[2_858]	1.16	1.04
1:B:372:ASP:C	1:C:138:ASP:C[2_858]	1.16	1.04
1:E:360:ILE:CD1	3:B:1201:NDP:O7N[2_757]	1.16	1.04
1:D:13:GLU:CG	1:E:128:PRO:CA[2_757]	1.16	1.04
1:D:35:TYR:CE2	1:E:107:THR:O[2_757]	1.16	1.04
1:D:38:VAL:CB	1:E:293:MET:CE[2_757]	1.16	1.04
1:D:198:SER:N	3:F:1601:NDP:N1A[2_757]	1.16	1.04
1:D:223:GLY:C	1:F:396:GLU:OE1[2_757]	1.16	1.04
1:D:240:LYS:N	1:F:24:TRP:CD2[2_757]	1.16	1.04

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:241:PHE:CD2	1:F:20:THR:C[2_757]	1.16	1.04
1:D:248:TYR:N	1:F:22:ILE:CG1[2_757]	1.16	1.04
1:D:256:MET:CB	1:F:323:LYS:C[2_757]	1.16	1.04
1:D:302:GLY:O	1:F:285:GLN:N[2_757]	1.16	1.04
1:D:309:ALA:CB	1:E:208:ASN:CG[2_757]	1.16	1.04
1:D:335:ILE:CB	1:E:209:LEU:CG[2_757]	1.16	1.04
1:D:337:ALA:CB	1:E:267:PHE:CB[2_757]	1.16	1.04
1:D:340:ARG:CB	1:E:256:MET:CE[2_757]	1.16	1.04
1:D:348:LEU:O	1:F:260:MET:CE[2_757]	1.16	1.04
1:D:358:ALA:O	1:E:270:ALA:O[2_757]	1.16	1.04
1:D:358:ALA:CB	1:E:271:LEU:CD2[2_757]	1.16	1.04
1:D:367:ASN:OD1	1:E:228:ILE:CB[2_757]	1.16	1.04
1:D:375:MET:CE	1:E:234:GLU:O[2_757]	1.16	1.04
1:D:401:VAL:CG2	1:E:199:PHE:CB[2_757]	1.16	1.04
1:E:91:LYS:CA	1:E:145:THR:O[2_657]	1.16	1.04
1:A:2:PHE:O	1:E:155:LEU:N[2_657]	1.17	1.03
1:A:14:LEU:O	1:A:156:VAL:CG2[2_757]	1.17	1.03
1:A:49:SER:CB	1:A:172:VAL:CA[2_757]	1.17	1.03
1:A:51:ASP:CB	1:B:185:TYR:CA[2_757]	1.17	1.03
1:A:92:MET:C	1:B:221:TYR:CB[2_757]	1.17	1.03
1:A:206:LYS:O	1:C:356:LYS:CB[2_858]	1.17	1.03
1:A:266:GLY:C	1:C:354:LEU:CB[2_858]	1.17	1.03
1:A:365:THR:CG2	1:F:59:GLN:CD[2_657]	1.17	1.03
1:A:372:ASP:OD1	1:F:96:PRO:N[2_657]	1.17	1.03
1:A:374:ILE:CB	1:F:100:ILE:CG1[2_657]	1.17	1.03
1:A:376:THR:CA	1:F:65:ILE:CA[2_657]	1.17	1.03
1:B:22:ILE:O	1:C:231:GLU:C[2_858]	1.17	1.03
1:B:31:LEU:CD1	1:C:188:ASP:CG[2_858]	1.17	1.03
1:B:39:ASP:OD2	1:E:117:ARG:CA[2_757]	1.17	1.03
1:B:68:TYR:CE2	1:E:375:MET:CE[2_757]	1.17	1.03
1:B:76:THR:CB	1:E:356:LYS:O[2_757]	1.17	1.03
1:B:83:ARG:NE	1:E:352:PRO:CA[2_757]	1.17	1.03
1:B:125:TRP:C	1:C:63:GLU:CG[2_858]	1.17	1.03
1:B:288:GLY:O	1:C:299:THR:CG2[2_858]	1.17	1.03
1:B:290:LEU:CG	1:C:301:ASP:CB[2_858]	1.17	1.03
1:B:297:LEU:CB	1:E:403:LYS:O[2_757]	1.17	1.03
1:B:329:THR:OG1	1:C:196:HIS:C[2_858]	1.17	1.03
1:B:358:ALA:C	1:D:149:GLY:C[2_858]	1.17	1.03
1:B:366:LEU:CG	1:D:173:TYR:OH[2_858]	1.17	1.03
1:B:367:ASN:N	1:C:185:TYR:CE1[2_858]	1.17	1.03
1:B:407:LYS:N	1:D:145:THR:CG2[2_858]	1.17	1.03

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:406:GLN:CA	5:B:1216:HOH:O[2_757]	1.17	1.03
1:C:319:ARG:CA	1:C:319:ARG:CB[2_958]	1.17	1.03
1:D:7:VAL:CG1	1:E:280:SER:O[2_757]	1.17	1.03
1:D:14:LEU:N	1:E:127:LYS:C[2_757]	1.17	1.03
1:D:34:PRO:CB	1:E:296:ILE:O[2_757]	1.17	1.03
1:D:190:SER:N	1:F:375:MET:SD[2_757]	1.17	1.03
1:D:196:HIS:CE1	1:F:332:ILE:CA[2_757]	1.17	1.03
1:D:204:ASP:CA	1:F:312:GLY:CA[2_757]	1.17	1.03
1:D:205:LYS:CG	3:F:1601:NDP:C5D[2_757]	1.17	1.03
1:D:231:GLU:N	1:F:398:LEU:CB[2_757]	1.17	1.03
1:D:238:LYS:CG	1:F:25:ASP:CA[2_757]	1.17	1.03
1:D:238:LYS:CB	1:F:24:TRP:O[2_757]	1.17	1.03
1:D:242:GLU:CB	1:F:15:ASP:OD2[2_757]	1.17	1.03
1:D:256:MET:CA	1:F:323:LYS:O[2_757]	1.17	1.03
1:D:299:THR:C	1:F:288:GLY:O[2_757]	1.17	1.03
1:D:356:LYS:NZ	1:E:139:GLN:CG[2_757]	1.17	1.03
1:D:368:THR:N	1:E:232:VAL:CB[2_757]	1.17	1.03
1:D:374:ILE:CG1	1:E:236:GLN:CD[2_757]	1.17	1.03
1:D:400:ALA:CA	1:E:200:LYS:NZ[2_757]	1.17	1.03
1:D:404:ARG:CG	1:E:192:GLU:C[2_757]	1.17	1.03
1:E:242:GLU:CA	3:D:1401:NDP:C2A[2_757]	1.17	1.03
1:F:391:TYR:OH	5:D:1406:HOH:O[2_757]	1.17	1.03
1:E:59:GLN:O	1:F:162:PRO:CA[2_657]	1.17	1.03
1:E:88:ASN:CA	1:F:191:ILE:CG1[2_657]	1.17	1.03
1:A:10:PRO:CA	1:A:166:GLN:CG[2_757]	1.18	1.02
1:A:47:VAL:N	1:A:153:LEU:CG[2_757]	1.18	1.02
1:A:59:GLN:C	1:B:181:ALA:N[2_757]	1.18	1.02
1:A:69:GLY:O	1:A:160:SER:N[2_757]	1.18	1.02
1:A:86:GLU:N	1:B:188:ASP:CG[2_757]	1.18	1.02
1:A:98:GLY:N	1:B:171:LYS:O[2_757]	1.18	1.02
1:A:141:LYS:CB	1:A:141:LYS:NZ[2_757]	1.18	1.02
1:A:206:LYS:CD	5:C:1350:HOH:O[2_858]	1.18	1.02
1:A:210:PHE:O	1:C:350:ASN:OD1[2_858]	1.18	1.02
1:A:214:LYS:CG	1:E:4:LYS:N[2_757]	1.18	1.02
1:A:317:HIS:CA	1:B:162:PRO:CA[2_757]	1.18	1.02
1:A:329:THR:N	1:F:66:LYS:C[2_657]	1.18	1.02
1:A:381:LEU:CD1	1:F:10:PRO:CG[2_657]	1.18	1.02
1:A:399:ASP:O	1:F:102:ASN:CA[2_657]	1.18	1.02
1:B:47:VAL:CB	1:E:343:LEU:CD2[2_757]	1.18	1.02
1:B:70:VAL:CA	1:E:372:ASP:CG[2_757]	1.18	1.02
1:B:73:LYS:NZ	1:E:360:ILE:CB[2_757]	1.18	1.02

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:84:VAL:O	1:E:348:LEU:CA[2_757]	1.18	1.02
1:B:88:ASN:N	1:E:347:GLU:C[2_757]	1.18	1.02
1:B:100:ILE:CG2	1:E:401:VAL:O[2_757]	1.18	1.02
1:B:126:GLU:CA	1:C:63:GLU:OE2[2_858]	1.18	1.02
1:B:141:LYS:CE	1:E:29:LYS:N[2_757]	1.18	1.02
1:B:285:GLN:CG	1:C:304:THR:N[2_858]	1.18	1.02
1:B:310:ALA:C	1:E:410:LYS:C[2_757]	1.18	1.02
1:B:320:LYS:CE	1:C:201:LEU:C[2_858]	1.18	1.02
1:B:321:TYR:CZ	1:C:233:TYR:CD1[2_858]	1.18	1.02
1:B:322:GLN:CB	1:C:241:PHE:N[2_858]	1.18	1.02
1:B:323:LYS:N	1:C:246:ILE:CG1[2_858]	1.18	1.02
1:B:363:SER:N	1:D:175:TYR:CG[2_858]	1.18	1.02
1:B:364:ALA:N	1:D:175:TYR:CZ[2_858]	1.18	1.02
1:B:365:THR:CB	1:C:187:THR:CA[2_858]	1.18	1.02
1:B:376:THR:CG2	1:C:194:PHE:CB[2_858]	1.18	1.02
1:C:319:ARG:N	1:C:319:ARG:C[2_958]	1.18	1.02
1:D:10:PRO:N	1:E:285:GLN:CA[2_757]	1.18	1.02
1:D:13:GLU:CD	1:E:128:PRO:CG[2_757]	1.18	1.02
1:D:37:ASP:CB	1:E:310:ALA:CB[2_757]	1.18	1.02
1:D:200:LYS:CE	1:F:291:GLY:CA[2_757]	1.18	1.02
1:D:334:SER:OG	1:E:207:LEU:C[2_757]	1.18	1.02
1:D:337:ALA:O	1:E:267:PHE:CE1[2_757]	1.18	1.02
1:D:354:LEU:O	1:E:276:GLY:N[2_757]	1.18	1.02
1:D:354:LEU:CG	1:E:280:SER:N[2_757]	1.18	1.02
1:D:368:THR:C	1:E:232:VAL:CG1[2_757]	1.18	1.02
1:D:369:VAL:O	1:E:231:GLU:O[2_757]	1.18	1.02
1:E:50:ARG:CA	1:E:149:GLY:CA[2_657]	1.18	1.02
1:E:56:LYS:CA	1:F:159:PRO:N[2_657]	1.18	1.02
1:E:90:HIS:ND1	1:E:181:ALA:CA[2_657]	1.18	1.02
1:A:18:GLU:CD	1:B:157:TYR:OH[2_757]	1.19	1.01
1:A:43:TYR:O	1:A:170:LEU:N[2_757]	1.19	1.01
1:A:67:LYS:CB	1:B:148:PRO:CB[2_757]	1.19	1.01
1:A:87:PHE:O	1:B:187:THR:CA[2_757]	1.19	1.01
1:A:111:GLU:CG	1:C:6:LYS:CB[2_858]	1.19	1.01
1:A:114:VAL:CG2	1:C:37:ASP:C[2_858]	1.19	1.01
1:A:115:ILE:CD1	1:F:60:ASP:CG[2_657]	1.19	1.01
1:A:127:LYS:NZ	1:C:357:PHE:CB[2_858]	1.19	1.01
1:A:141:LYS:CD	1:A:141:LYS:CE[2_757]	1.19	1.01
1:A:264:LYS:CD	1:C:341:GLY:N[2_858]	1.19	1.01
1:A:267:PHE:CE1	1:C:345:ARG:O[2_858]	1.19	1.01
1:A:369:VAL:CB	1:F:57:ILE:O[2_657]	1.19	1.01

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:189:GLU:CA	5:A:1129:HOH:O[2_757]	1.19	1.01
1:B:10:PRO:CB	1:E:117:ARG:CG[2_757]	1.19	1.01
1:B:58:THR:C	1:E:335:ILE:CG2[2_757]	1.19	1.01
1:B:78:THR:C	1:E:354:LEU:CA[2_757]	1.19	1.01
1:B:89:LEU:CA	1:E:344:LYS:C[2_757]	1.19	1.01
1:B:90:HIS:CE1	1:E:305:PHE:O[2_757]	1.19	1.01
1:B:102:ASN:O	1:E:30:LYS:CD[2_757]	1.19	1.01
1:B:122:VAL:O	1:C:64:ALA:N[2_858]	1.19	1.01
1:B:123:PRO:CA	1:C:61:ALA:C[2_858]	1.19	1.01
1:B:308:GLU:CD	1:E:407:LYS:C[2_757]	1.19	1.01
1:B:324:GLY:CA	1:C:247:HIS:N[2_858]	1.19	1.01
1:B:365:THR:CG2	1:C:187:THR:C[2_858]	1.19	1.01
1:B:377:LYS:CA	1:C:107:THR:CG2[2_858]	1.19	1.01
1:B:407:LYS:CD	1:D:144:ASP:N[2_858]	1.19	1.01
1:D:26:LYS:CD	1:E:204:ASP:CG[2_757]	1.19	1.01
1:D:43:TYR:CE1	1:E:120:ARG:NH1[2_757]	1.19	1.01
1:D:65:ILE:CB	1:E:125:TRP:N[2_757]	1.19	1.01
1:D:187:THR:O	1:F:390:ALA:O[2_757]	1.19	1.01
1:D:212:SER:C	1:F:326:GLU:CA[2_757]	1.19	1.01
1:D:225:PHE:CA	1:F:393:THR:N[2_757]	1.19	1.01
1:D:225:PHE:CD1	1:F:388:ARG:NH1[2_757]	1.19	1.01
1:D:246:ILE:N	1:F:16:GLY:O[2_757]	1.19	1.01
1:D:246:ILE:CB	1:F:17:ASP:CA[2_757]	1.19	1.01
1:D:332:ILE:N	1:E:241:PHE:CZ[2_757]	1.19	1.01
1:D:344:LYS:CD	1:E:258:ALA:N[2_757]	1.19	1.01
1:D:360:ILE:O	1:E:194:PHE:CE1[2_757]	1.19	1.01
1:D:376:THR:CB	1:E:240:LYS:N[2_757]	1.19	1.01
1:D:401:VAL:O	1:E:197:SER:CA[2_757]	1.19	1.01
1:D:406:GLN:O	1:E:106:GLY:N[2_757]	1.19	1.01
1:E:84:VAL:CB	1:F:224:ARG:CB[2_657]	1.19	1.01
1:A:17:ASP:O	1:B:158:LYS:N[2_757]	1.20	1.00
1:A:67:LYS:CA	1:B:148:PRO:C[2_757]	1.20	1.00
1:A:87:PHE:N	1:A:178:SER:O[2_757]	1.20	1.00
1:A:91:LYS:CA	1:B:221:TYR:CD2[2_757]	1.20	1.00
1:A:91:LYS:C	1:B:221:TYR:CG[2_757]	1.20	1.00
1:A:100:ILE:C	1:B:173:TYR:C[2_757]	1.20	1.00
1:A:126:GLU:OE1	1:C:338:TRP:C[2_858]	1.20	1.00
1:A:265:GLY:CA	1:C:345:ARG:CB[2_858]	1.20	1.00
1:A:314:VAL:CA	1:B:167:PRO:CD[2_757]	1.20	1.00
1:A:404:ARG:CD	5:F:1608:HOH:O[2_657]	1.20	1.00
1:B:17:ASP:CB	5:E:1533:HOH:O[2_757]	1.20	1.00

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:55:ASP:CB	1:E:338:TRP:CA[2_757]	1.20	1.00
1:B:56:LYS:NZ	1:E:308:GLU:C[2_757]	1.20	1.00
1:B:57:ILE:CB	1:E:336:PHE:CG[2_757]	1.20	1.00
1:B:61:ALA:O	1:E:365:THR:O[2_757]	1.20	1.00
1:B:71:GLY:C	1:E:404:ARG:CZ[2_757]	1.20	1.00
1:B:84:VAL:O	1:E:348:LEU:C[2_757]	1.20	1.00
1:B:94:LYS:CD	1:E:32:ILE:CG2[2_757]	1.20	1.00
1:B:104:LEU:CD2	1:E:401:VAL:N[2_757]	1.20	1.00
1:B:321:TYR:O	1:C:241:PHE:CG[2_858]	1.20	1.00
1:B:331:SER:N	1:C:193:GLY:N[2_858]	1.20	1.00
1:B:362:GLU:CD	1:D:176:LYS:O[2_858]	1.20	1.00
1:B:368:THR:CA	1:C:185:TYR:C[2_858]	1.20	1.00
1:D:8:LYS:NZ	1:F:256:MET:O[2_757]	1.20	1.00
1:D:9:GLN:O	1:E:285:GLN:N[2_757]	1.20	1.00
1:D:65:ILE:CA	1:E:122:VAL:O[2_757]	1.20	1.00
1:D:191:ILE:C	1:F:375:MET:C[2_757]	1.20	1.00
1:D:201:LEU:CG	3:F:1601:NDP:C5B[2_757]	1.20	1.00
1:D:210:PHE:CB	1:F:321:TYR:CA[2_757]	1.20	1.00
1:D:256:MET:CE	1:F:322:GLN:C[2_757]	1.20	1.00
1:D:268:ILE:N	1:F:315:THR:O[2_757]	1.20	1.00
1:D:297:LEU:C	1:E:262:LYS:CD[2_757]	1.20	1.00
1:D:364:ALA:C	1:E:195:ALA:CA[2_757]	1.20	1.00
1:D:369:VAL:C	1:E:231:GLU:C[2_757]	1.20	1.00
1:D:401:VAL:C	1:E:196:HIS:C[2_757]	1.20	1.00
1:E:242:GLU:C	3:D:1401:NDP:C2A[2_757]	1.20	1.00
1:E:251:ARG:NH1	5:D:1425:HOH:O[2_757]	1.20	1.00
1:E:81:GLU:C	1:F:227:ASP:OD2[2_657]	1.20	1.00
1:A:2:PHE:CA	1:E:155:LEU:CB[2_657]	1.21	0.99
1:A:51:ASP:O	1:B:138:ASP:O[2_757]	1.21	0.99
1:A:51:ASP:CB	1:B:185:TYR:C[2_757]	1.21	0.99
1:A:53:THR:CG2	1:B:183:ALA:O[2_757]	1.21	0.99
1:A:64:ALA:N	1:B:147:ILE:CA[2_757]	1.21	0.99
1:A:80:ASP:C	1:A:146:LEU:CD1[2_757]	1.21	0.99
1:A:86:GLU:CB	1:A:178:SER:CA[2_757]	1.21	0.99
1:A:92:MET:CE	1:B:219:LYS:C[2_757]	1.21	0.99
1:A:103:ILE:CA	1:B:173:TYR:CZ[2_757]	1.21	0.99
1:A:162:PRO:O	1:A:345:ARG:NE[2_757]	1.21	0.99
1:A:207:LEU:CB	1:C:353:ALA:CA[2_858]	1.21	0.99
1:A:314:VAL:N	1:B:167:PRO:CD[2_757]	1.21	0.99
1:A:391:TYR:CA	1:F:71:GLY:CA[2_657]	1.21	0.99
1:F:66:LYS:CD	5:A:1105:HOH:O[2_657]	1.21	0.99

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:18:GLU:OE1	1:E:356:LYS:CE[2_757]	1.21	0.99
1:B:57:ILE:O	1:E:336:PHE:CD1[2_757]	1.21	0.99
1:B:67:LYS:CG	1:E:375:MET:CA[2_757]	1.21	0.99
1:B:79:PRO:CB	1:E:354:LEU:CD1[2_757]	1.21	0.99
1:B:92:MET:CB	1:E:7:VAL:CG1[2_757]	1.21	0.99
1:B:324:GLY:N	1:C:246:ILE:C[2_858]	1.21	0.99
1:B:328:SER:OG	1:C:194:PHE:CE2[2_858]	1.21	0.99
1:B:360:ILE:CD1	1:C:157:TYR:CZ[2_858]	1.21	0.99
1:B:361:LEU:CG	1:D:178:SER:CA[2_858]	1.21	0.99
1:B:362:GLU:OE1	1:D:176:LYS:CB[2_858]	1.21	0.99
1:B:365:THR:O	1:C:187:THR:N[2_858]	1.21	0.99
1:B:368:THR:CB	1:C:186:ASN:CB[2_858]	1.21	0.99
1:B:388:ARG:CB	1:C:131:ILE:CD1[2_858]	1.21	0.99
1:B:388:ARG:CG	1:C:131:ILE:CD1[2_858]	1.21	0.99
1:B:409:ILE:CB	1:C:168:GLN:CD[2_858]	1.21	0.99
1:D:6:LYS:CD	1:E:311:HIS:C[2_757]	1.21	0.99
1:D:14:LEU:CD2	1:E:126:GLU:N[2_757]	1.21	0.99
1:D:209:LEU:CD1	1:F:19:MET:CG[2_757]	1.21	0.99
1:D:212:SER:CA	1:F:325:GLU:O[2_757]	1.21	0.99
1:D:231:GLU:CG	1:F:399:ASP:N[2_757]	1.21	0.99
1:D:240:LYS:NZ	1:F:337:ALA:CB[2_757]	1.21	0.99
1:D:300:PRO:C	1:F:289:SER:N[2_757]	1.21	0.99
1:D:334:SER:CA	1:E:208:ASN:CA[2_757]	1.21	0.99
1:D:338:TRP:CZ3	1:E:129:ILE:C[2_757]	1.21	0.99
1:D:375:MET:CA	1:E:236:GLN:C[2_757]	1.21	0.99
1:D:405:LEU:CD1	1:E:107:THR:CG2[2_757]	1.21	0.99
1:F:386:ASN:CG	5:D:1405:HOH:O[2_757]	1.21	0.99
1:E:246:ILE:CB	5:D:1409:HOH:O[2_757]	1.21	0.99
1:E:43:TYR:CD2	1:F:161:ASP:CB[2_657]	1.21	0.99
1:E:51:ASP:OD1	1:E:180:VAL:N[2_657]	1.21	0.99
1:E:84:VAL:C	1:F:224:ARG:C[2_657]	1.21	0.99
1:A:18:GLU:CA	1:B:158:LYS:C[2_757]	1.22	0.98
1:A:19:MET:CE	1:B:162:PRO:CD[2_757]	1.22	0.98
1:A:56:LYS:CA	1:B:182:MET:CB[2_757]	1.22	0.98
1:A:74:CYS:O	1:B:156:VAL:CB[2_757]	1.22	0.98
1:A:97:ASN:O	1:B:171:LYS:C[2_757]	1.22	0.98
1:A:122:VAL:C	1:C:12:VAL:CA[2_858]	1.22	0.98
1:A:366:LEU:CD1	1:F:56:LYS:CB[2_657]	1.22	0.98
1:A:367:ASN:OD1	1:F:55:ASP:CA[2_657]	1.22	0.98
1:A:372:ASP:OD2	1:F:96:PRO:N[2_657]	1.22	0.98
1:A:387:GLU:CD	1:F:338:TRP:CE3[2_657]	1.22	0.98

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:391:TYR:CZ	1:F:70:VAL:CB[2_657]	1.22	0.98
1:A:395:GLU:C	1:F:104:LEU:O[2_657]	1.22	0.98
1:A:406:GLN:CD	1:F:141:LYS:C[2_657]	1.22	0.98
1:B:47:VAL:CG1	1:E:355:CYS:CA[2_757]	1.22	0.98
1:B:60:ASP:O	1:E:332:ILE:CG1[2_757]	1.22	0.98
1:B:64:ALA:N	1:E:397:PHE:CZ[2_757]	1.22	0.98
1:B:66:LYS:CD	1:E:397:PHE:N[2_757]	1.22	0.98
1:B:83:ARG:CG	1:E:351:THR:O[2_757]	1.22	0.98
1:B:115:ILE:C	1:C:102:ASN:OD1[2_858]	1.22	0.98
1:B:119:PRO:CB	1:C:100:ILE:CG2[2_858]	1.22	0.98
1:B:125:TRP:C	1:C:63:GLU:OE1[2_858]	1.22	0.98
1:B:285:GLN:CA	1:C:304:THR:OG1[2_858]	1.22	0.98
1:B:308:GLU:OE2	1:E:407:LYS:C[2_757]	1.22	0.98
1:B:310:ALA:C	1:E:410:LYS:O[2_757]	1.22	0.98
1:B:321:TYR:N	1:C:241:PHE:CE1[2_858]	1.22	0.98
1:B:322:GLN:CA	1:C:241:PHE:CB[2_858]	1.22	0.98
1:B:323:LYS:NZ	1:C:206:LYS:CB[2_858]	1.22	0.98
1:B:327:THR:C	1:C:198:SER:CB[2_858]	1.22	0.98
1:B:388:ARG:CA	1:C:131:ILE:CB[2_858]	1.22	0.98
1:B:389:SER:CB	1:C:279:GLN:N[2_858]	1.22	0.98
1:B:391:TYR:CB	1:C:133:ARG:C[2_858]	1.22	0.98
1:B:391:TYR:C	1:C:271:LEU:O[2_858]	1.22	0.98
1:C:85:LYS:O	1:C:85:LYS:CG[2_958]	1.22	0.98
1:D:42:TYR:N	1:E:114:VAL:CG1[2_757]	1.22	0.98
1:D:65:ILE:CG1	1:E:125:TRP:CA[2_757]	1.22	0.98
1:D:134:HIS:CD2	1:F:377:LYS:CG[2_757]	1.22	0.98
1:D:191:ILE:CB	1:F:375:MET:O[2_757]	1.22	0.98
1:D:212:SER:N	1:F:325:GLU:O[2_757]	1.22	0.98
1:D:228:ILE:CG2	1:F:397:PHE:CB[2_757]	1.22	0.98
1:D:301:ASP:N	1:F:288:GLY:CA[2_757]	1.22	0.98
1:D:303:LYS:CG	1:F:287:PHE:N[2_757]	1.22	0.98
1:D:329:THR:C	1:E:240:LYS:O[2_757]	1.22	0.98
1:D:330:ASN:CA	1:E:241:PHE:CB[2_757]	1.22	0.98
1:D:354:LEU:CD1	1:E:280:SER:N[2_757]	1.22	0.98
1:D:364:ALA:CB	1:E:195:ALA:N[2_757]	1.22	0.98
1:D:370:GLN:CG	1:E:231:GLU:CG[2_757]	1.22	0.98
1:D:406:GLN:CD	1:E:299:THR:C[2_757]	1.22	0.98
1:E:56:LYS:CB	1:F:159:PRO:N[2_657]	1.22	0.98
1:E:92:MET:CA	1:E:146:LEU:CG[2_657]	1.22	0.98
1:E:99:THR:O	1:F:166:GLN:NE2[2_657]	1.22	0.98
1:E:100:ILE:CG1	1:F:163:THR:O[2_657]	1.22	0.98

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:15:ASP:O	1:A:154:GLU:CA[2_757]	1.23	0.97
1:A:44:ASP:CB	1:A:171:LYS:C[2_757]	1.23	0.97
1:A:53:THR:CA	1:B:142:ALA:CA[2_757]	1.23	0.97
1:A:55:ASP:OD1	1:A:183:ALA:CA[2_757]	1.23	0.97
1:A:56:LYS:CD	1:A:218:LEU:CD2[2_757]	1.23	0.97
1:A:86:GLU:O	1:A:178:SER:O[2_757]	1.23	0.97
1:A:86:GLU:N	1:B:188:ASP:OD2[2_757]	1.23	0.97
1:A:128:PRO:N	1:C:7:VAL:CG2[2_858]	1.23	0.97
1:A:144:ASP:OD1	1:B:219:LYS:CE[2_757]	1.23	0.97
1:A:162:PRO:CA	1:A:345:ARG:CZ[2_757]	1.23	0.97
1:A:262:LYS:CE	1:C:305:PHE:CE1[2_858]	1.23	0.97
1:A:316:ARG:N	1:B:165:ALA:C[2_757]	1.23	0.97
1:A:319:ARG:N	1:B:161:ASP:O[2_757]	1.23	0.97
1:A:367:ASN:CB	1:F:55:ASP:OD1[2_657]	1.23	0.97
1:A:371:GLN:CA	1:F:50:ARG:NE[2_657]	1.23	0.97
1:A:386:ASN:ND2	1:F:38:VAL:CB[2_657]	1.23	0.97
1:B:168:GLN:CG	3:A:1101:NDP:O4D[2_757]	1.23	0.97
1:B:169:THR:N	3:A:1101:NDP:C3N[2_757]	1.23	0.97
1:B:12:VAL:CG2	1:E:369:VAL:N[2_757]	1.23	0.97
1:B:40:LEU:O	1:E:116:PRO:CB[2_757]	1.23	0.97
1:B:68:TYR:CA	1:E:374:ILE:N[2_757]	1.23	0.97
1:B:70:VAL:N	1:E:372:ASP:CA[2_757]	1.23	0.97
1:B:96:PRO:CB	1:E:361:LEU:CB[2_757]	1.23	0.97
1:B:102:ASN:CG	1:E:30:LYS:CB[2_757]	1.23	0.97
1:B:117:ARG:CD	1:C:140:TYR:C[2_858]	1.23	0.97
1:B:123:PRO:C	1:C:60:ASP:C[2_858]	1.23	0.97
1:B:123:PRO:N	1:C:61:ALA:O[2_858]	1.23	0.97
1:B:297:LEU:N	1:E:407:LYS:CE[2_757]	1.23	0.97
1:B:362:GLU:OE2	1:D:176:LYS:O[2_858]	1.23	0.97
1:B:368:THR:N	1:C:185:TYR:O[2_858]	1.23	0.97
1:B:376:THR:N	1:C:134:HIS:CG[2_858]	1.23	0.97
1:B:377:LYS:C	1:C:107:THR:C[2_858]	1.23	0.97
1:B:411:SER:CB	1:C:168:GLN:O[2_858]	1.23	0.97
1:D:6:LYS:C	1:E:281:ASP:OD2[2_757]	1.23	0.97
1:D:68:TYR:C	1:E:122:VAL:CG2[2_757]	1.23	0.97
1:D:72:ILE:C	1:E:265:GLY:CA[2_757]	1.23	0.97
1:D:109:PHE:CD2	3:F:1601:NDP:O3B[2_757]	1.23	0.97
1:D:135:ALA:CB	1:F:381:LEU:CD1[2_757]	1.23	0.97
1:D:195:ALA:O	1:F:329:THR:C[2_757]	1.23	0.97
1:D:204:ASP:CB	1:F:312:GLY:N[2_757]	1.23	0.97
1:D:225:PHE:C	1:F:393:THR:OG1[2_757]	1.23	0.97

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:229:PHE:CZ	1:F:328:SER:C[2_757]	1.23	0.97
1:D:237:TYR:CE1	1:F:331:SER:C[2_757]	1.23	0.97
1:D:256:MET:CB	1:F:323:LYS:O[2_757]	1.23	0.97
1:D:256:MET:C	1:F:323:LYS:CB[2_757]	1.23	0.97
1:D:307:SER:N	1:E:263:SER:CB[2_757]	1.23	0.97
1:D:362:GLU:CB	1:E:211:LEU:CB[2_757]	1.23	0.97
1:D:404:ARG:CZ	1:E:192:GLU:CA[2_757]	1.23	0.97
1:A:10:PRO:O	1:A:166:GLN:CA[2_757]	1.24	0.96
1:A:18:GLU:CG	1:B:157:TYR:CZ[2_757]	1.24	0.96
1:A:36:LEU:N	1:E:171:LYS:CE[2_657]	1.24	0.96
1:A:48:GLU:OE2	1:A:175:TYR:N[2_757]	1.24	0.96
1:A:56:LYS:CG	1:B:182:MET:CE[2_757]	1.24	0.96
1:A:73:LYS:CD	1:B:154:GLU:CB[2_757]	1.24	0.96
1:A:78:THR:C	1:A:145:THR:CG2[2_757]	1.24	0.96
1:A:92:MET:CE	1:B:220:LYS:N[2_757]	1.24	0.96
1:A:94:LYS:CB	1:A:143:THR:N[2_757]	1.24	0.96
1:A:120:ARG:O	1:C:41:LYS:O[2_858]	1.24	0.96
1:A:120:ARG:CB	1:C:41:LYS:N[2_858]	1.24	0.96
1:A:125:TRP:CE3	1:C:10:PRO:C[2_858]	1.24	0.96
1:A:207:LEU:CB	1:C:352:PRO:C[2_858]	1.24	0.96
1:A:382:ALA:N	1:F:41:LYS:CA[2_657]	1.24	0.96
1:A:395:GLU:C	1:F:104:LEU:CA[2_657]	1.24	0.96
1:A:399:ASP:CB	1:F:101:ARG:O[2_657]	1.24	0.96
1:F:67:LYS:CG	3:A:1101:NDP:C2A[2_657]	1.24	0.96
1:B:45:LEU:CD2	1:E:362:GLU:CA[2_757]	1.24	0.96
1:B:75:ALA:CB	5:C:1331:HOH:O[2_858]	1.24	0.96
1:B:79:PRO:CA	1:E:354:LEU:CG[2_757]	1.24	0.96
1:B:79:PRO:CB	1:E:354:LEU:CG[2_757]	1.24	0.96
1:B:121:LEU:CA	1:C:65:ILE:CG2[2_858]	1.24	0.96
1:B:125:TRP:O	1:C:63:GLU:CD[2_858]	1.24	0.96
1:B:261:ILE:C	1:C:67:LYS:CE[2_858]	1.24	0.96
1:B:261:ILE:N	1:C:67:LYS:CE[2_858]	1.24	0.96
1:B:306:GLU:CB	1:E:404:ARG:CA[2_757]	1.24	0.96
1:B:317:HIS:CE1	1:C:197:SER:CA[2_858]	1.24	0.96
1:B:353:ALA:CA	1:C:163:THR:N[2_858]	1.24	0.96
1:B:370:GLN:NE2	1:C:141:LYS:CE[2_858]	1.24	0.96
1:B:375:MET:C	1:C:134:HIS:CG[2_858]	1.24	0.96
1:B:382:ALA:CB	1:C:297:LEU:CD2[2_858]	1.24	0.96
1:B:391:TYR:CE1	1:C:132:GLY:CA[2_858]	1.24	0.96
1:B:396:GLU:O	1:C:225:PHE:CB[2_858]	1.24	0.96
1:B:407:LYS:CE	1:D:144:ASP:CA[2_858]	1.24	0.96

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:409:ILE:CB	1:C:168:GLN:NE2[2_858]	1.24	0.96
1:D:11:VAL:CG2	1:E:283:VAL:CG1[2_757]	1.24	0.96
1:D:72:ILE:C	1:E:266:GLY:N[2_757]	1.24	0.96
1:D:200:LYS:CB	1:F:311:HIS:CD2[2_757]	1.24	0.96
1:D:230:GLN:CB	5:F:1613:HOH:O[2_757]	1.24	0.96
1:D:243:GLN:O	1:F:15:ASP:O[2_757]	1.24	0.96
1:D:296:ILE:O	1:E:259:GLN:OE1[2_757]	1.24	0.96
1:D:332:ILE:CD1	1:E:233:TYR:CD1[2_757]	1.24	0.96
1:D:334:SER:CB	1:E:208:ASN:N[2_757]	1.24	0.96
1:D:334:SER:O	1:E:208:ASN:O[2_757]	1.24	0.96
1:D:355:CYS:CA	1:E:275:ASP:CA[2_757]	1.24	0.96
1:D:366:LEU:CD2	1:E:248:TYR:CZ[2_757]	1.24	0.96
1:D:366:LEU:CD2	1:E:248:TYR:CE2[2_757]	1.24	0.96
1:D:370:GLN:CA	1:E:231:GLU:CB[2_757]	1.24	0.96
1:A:34:PRO:N	1:E:174:ASP:CA[2_657]	1.25	0.95
1:A:75:ALA:O	1:B:157:TYR:N[2_757]	1.25	0.95
1:A:86:GLU:C	1:A:178:SER:C[2_757]	1.25	0.95
1:A:93:TRP:CH2	1:B:184:MET:SD[2_757]	1.25	0.95
1:A:102:ASN:C	1:B:173:TYR:CE1[2_757]	1.25	0.95
1:A:217:ILE:CD1	1:E:35:TYR:C[2_757]	1.25	0.95
1:A:219:LYS:CG	1:E:37:ASP:O[2_757]	1.25	0.95
1:A:262:LYS:CG	1:C:305:PHE:CG[2_858]	1.25	0.95
1:A:266:GLY:O	1:C:355:CYS:N[2_858]	1.25	0.95
1:A:365:THR:O	1:F:59:GLN:CA[2_657]	1.25	0.95
1:A:366:LEU:CD1	1:F:56:LYS:CG[2_657]	1.25	0.95
1:A:395:GLU:O	1:F:105:GLY:N[2_657]	1.25	0.95
1:A:400:ALA:CB	1:F:100:ILE:CA[2_657]	1.25	0.95
1:B:50:ARG:NH1	1:E:358:ALA:CB[2_757]	1.25	0.95
1:B:57:ILE:CA	1:E:336:PHE:CB[2_757]	1.25	0.95
1:B:69:GLY:N	1:E:374:ILE:N[2_757]	1.25	0.95
1:B:76:THR:CA	1:E:356:LYS:O[2_757]	1.25	0.95
1:B:77:ILE:CA	1:E:356:LYS:N[2_757]	1.25	0.95
1:B:89:LEU:CB	1:E:345:ARG:N[2_757]	1.25	0.95
1:B:94:LYS:CG	1:E:32:ILE:CG2[2_757]	1.25	0.95
1:B:99:THR:CA	1:E:31:LEU:CA[2_757]	1.25	0.95
1:B:116:PRO:N	1:C:102:ASN:OD1[2_858]	1.25	0.95
1:B:117:ARG:CG	5:C:1307:HOH:O[2_858]	1.25	0.95
1:B:123:PRO:CG	1:C:61:ALA:O[2_858]	1.25	0.95
1:B:140:TYR:O	1:E:34:PRO:N[2_757]	1.25	0.95
1:B:298:VAL:CA	1:E:403:LYS:NZ[2_757]	1.25	0.95
1:B:317:HIS:CB	1:C:200:LYS:N[2_858]	1.25	0.95

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:323:LYS:C	1:C:246:ILE:CB[2_858]	1.25	0.95
1:B:325:GLU:C	1:C:209:LEU:CB[2_858]	1.25	0.95
1:B:330:ASN:N	1:C:194:PHE:N[2_858]	1.25	0.95
1:B:367:ASN:CB	1:C:185:TYR:CD2[2_858]	1.25	0.95
1:B:367:ASN:CA	1:C:185:TYR:CD1[2_858]	1.25	0.95
1:B:409:ILE:C	1:C:168:GLN:CG[2_858]	1.25	0.95
1:C:197:SER:OG	3:B:1201:NDP:C2A[2_858]	1.25	0.95
1:D:38:VAL:CA	1:E:293:MET:SD[2_757]	1.25	0.95
1:D:196:HIS:N	1:F:330:ASN:CB[2_757]	1.25	0.95
1:D:197:SER:O	3:F:1601:NDP:C6A[2_757]	1.25	0.95
1:D:200:LYS:CE	1:F:291:GLY:C[2_757]	1.25	0.95
1:D:206:LYS:CB	1:F:77:ILE:N[2_757]	1.25	0.95
1:D:231:GLU:OE1	1:F:400:ALA:CA[2_757]	1.25	0.95
1:D:237:TYR:CD2	1:F:334:SER:CB[2_757]	1.25	0.95
1:D:237:TYR:CG	1:F:334:SER:OG[2_757]	1.25	0.95
1:D:238:LYS:CB	1:F:24:TRP:C[2_757]	1.25	0.95
1:D:296:ILE:CG1	1:E:259:GLN:CA[2_757]	1.25	0.95
1:D:300:PRO:N	1:F:288:GLY:O[2_757]	1.25	0.95
1:D:339:SER:O	1:E:269:MET:CE[2_757]	1.25	0.95
1:D:408:GLU:CD	1:E:191:ILE:C[2_757]	1.25	0.95
1:A:10:PRO:N	1:A:166:GLN:CD[2_757]	1.26	0.94
1:A:12:VAL:C	1:A:167:PRO:C[2_757]	1.26	0.94
1:A:17:ASP:O	1:B:158:LYS:CA[2_757]	1.26	0.94
1:A:34:PRO:CG	1:E:173:TYR:CD1[2_657]	1.26	0.94
1:A:43:TYR:CA	1:A:170:LEU:CB[2_757]	1.26	0.94
1:A:61:ALA:O	1:B:147:ILE:CD1[2_757]	1.26	0.94
1:A:64:ALA:O	1:B:148:PRO:CG[2_757]	1.26	0.94
1:A:87:PHE:CE2	1:A:175:TYR:CB[2_757]	1.26	0.94
1:A:97:ASN:ND2	1:B:170:LEU:CA[2_757]	1.26	0.94
1:A:149:GLY:N	1:A:319:ARG:NH2[2_757]	1.26	0.94
1:A:313:THR:N	1:B:167:PRO:CA[2_757]	1.26	0.94
1:A:318:TYR:CD1	1:B:159:PRO:C[2_757]	1.26	0.94
1:A:366:LEU:O	1:F:58:THR:N[2_657]	1.26	0.94
1:A:368:THR:C	1:F:58:THR:CG2[2_657]	1.26	0.94
1:A:371:GLN:CB	1:F:50:ARG:CD[2_657]	1.26	0.94
1:A:385:ASN:ND2	1:F:13:GLU:OE1[2_657]	1.26	0.94
1:A:391:TYR:CZ	1:F:70:VAL:CA[2_657]	1.26	0.94
1:A:402:GLU:CG	1:F:102:ASN:ND2[2_657]	1.26	0.94
1:B:11:VAL:O	1:E:370:GLN:CG[2_757]	1.26	0.94
1:B:22:ILE:CG1	1:C:232:VAL:O[2_858]	1.26	0.94
1:B:55:ASP:CA	1:E:339:SER:N[2_757]	1.26	0.94

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:71:GLY:O	1:E:404:ARG:NH2[2_757]	1.26	0.94
1:B:93:TRP:CB	1:E:342:LEU:CG[2_757]	1.26	0.94
1:B:99:THR:N	1:E:31:LEU:O[2_757]	1.26	0.94
1:B:308:GLU:CD	1:E:408:GLU:N[2_757]	1.26	0.94
1:B:325:GLU:O	1:C:209:LEU:CB[2_858]	1.26	0.94
1:B:354:LEU:CA	1:C:164:THR:OG1[2_858]	1.26	0.94
1:B:369:VAL:CG2	1:C:136:HIS:ND1[2_858]	1.26	0.94
1:B:379:LEU:CD2	1:C:106:GLY:N[2_858]	1.26	0.94
1:B:385:ASN:CB	1:C:110:ARG:NH2[2_858]	1.26	0.94
1:B:388:ARG:NH1	1:C:271:LEU:CG[2_858]	1.26	0.94
1:B:396:GLU:C	1:C:225:PHE:CB[2_858]	1.26	0.94
1:B:407:LYS:CA	1:D:145:THR:CG2[2_858]	1.26	0.94
1:C:316:ARG:N	1:C:323:LYS:N[2_958]	1.26	0.94
1:D:4:LYS:C	1:E:110:ARG:NH2[2_757]	1.26	0.94
1:D:31:LEU:C	1:E:109:PHE:CG[2_757]	1.26	0.94
1:D:36:LEU:CA	1:E:110:ARG:CD[2_757]	1.26	0.94
1:D:109:PHE:CG	3:F:1601:NDP:C3B[2_757]	1.26	0.94
1:D:134:HIS:CE1	1:F:391:TYR:CD2[2_757]	1.26	0.94
1:D:191:ILE:C	1:F:376:THR:CA[2_757]	1.26	0.94
1:D:198:SER:O	1:F:314:VAL:CG2[2_757]	1.26	0.94
1:D:202:ALA:N	1:F:314:VAL:N[2_757]	1.26	0.94
1:D:237:TYR:CG	1:F:334:SER:CB[2_757]	1.26	0.94
1:D:294:THR:N	1:E:249:GLU:OE1[2_757]	1.26	0.94
1:D:336:PHE:CD2	1:E:249:GLU:O[2_757]	1.26	0.94
1:D:345:ARG:CG	1:E:283:VAL:N[2_757]	1.26	0.94
1:D:345:ARG:O	1:E:282:ILE:CD1[2_757]	1.26	0.94
1:D:356:LYS:CB	1:E:274:TYR:N[2_757]	1.26	0.94
1:D:404:ARG:NH1	1:E:192:GLU:N[2_757]	1.26	0.94
1:E:242:GLU:O	3:D:1401:NDP:N3A[2_757]	1.26	0.94
1:E:82:ALA:N	1:F:227:ASP:CB[2_657]	1.26	0.94
1:A:10:PRO:CB	1:A:166:GLN:CD[2_757]	1.27	0.93
1:A:59:GLN:C	1:B:181:ALA:CB[2_757]	1.27	0.93
1:A:95:SER:CB	1:A:143:THR:CG2[2_757]	1.27	0.93
1:A:210:PHE:O	1:C:350:ASN:ND2[2_858]	1.27	0.93
1:A:218:LEU:O	1:E:37:ASP:CG[2_757]	1.27	0.93
1:A:304:THR:CG2	1:B:150:PRO:C[2_757]	1.27	0.93
1:A:320:LYS:CD	1:B:163:THR:OG1[2_757]	1.27	0.93
1:A:372:ASP:CB	1:F:96:PRO:CB[2_657]	1.27	0.93
1:A:386:ASN:ND2	1:F:38:VAL:CA[2_657]	1.27	0.93
1:A:393:THR:CG2	1:F:304:THR:C[2_657]	1.27	0.93
1:B:10:PRO:CA	1:E:117:ARG:NE[2_757]	1.27	0.93

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:22:ILE:C	1:C:232:VAL:N[2_858]	1.27	0.93
1:B:26:LYS:CA	1:C:231:GLU:CG[2_858]	1.27	0.93
1:B:26:LYS:CD	1:C:227:ASP:O[2_858]	1.27	0.93
1:B:61:ALA:C	1:E:365:THR:CG2[2_757]	1.27	0.93
1:B:87:PHE:O	1:E:347:GLU:CB[2_757]	1.27	0.93
1:B:94:LYS:CA	1:E:36:LEU:CD1[2_757]	1.27	0.93
1:B:120:ARG:CG	1:C:103:ILE:CG2[2_858]	1.27	0.93
1:B:298:VAL:N	1:E:403:LYS:CE[2_757]	1.27	0.93
1:B:314:VAL:C	1:C:200:LYS:NZ[2_858]	1.27	0.93
1:B:326:GLU:CA	1:C:209:LEU:CD2[2_858]	1.27	0.93
1:B:364:ALA:N	1:D:175:TYR:CD2[2_858]	1.27	0.93
1:B:386:ASN:C	1:C:110:ARG:CD[2_858]	1.27	0.93
1:B:405:LEU:N	1:D:145:THR:O[2_858]	1.27	0.93
1:D:11:VAL:O	1:E:287:PHE:CD2[2_757]	1.27	0.93
1:D:185:TYR:CG	1:F:387:GLU:OE1[2_757]	1.27	0.93
1:D:205:LYS:CE	3:F:1601:NDP:PN[2_757]	1.27	0.93
1:D:229:PHE:CG	1:F:394:THR:N[2_757]	1.27	0.93
1:D:329:THR:CB	1:E:244:LEU:CB[2_757]	1.27	0.93
1:E:47:VAL:C	1:E:178:SER:OG[2_657]	1.27	0.93
1:E:82:ALA:N	1:F:227:ASP:OD1[2_657]	1.27	0.93
1:E:85:LYS:CG	1:F:225:PHE:C[2_657]	1.27	0.93
1:E:90:HIS:N	1:E:180:VAL:CA[2_657]	1.27	0.93
1:A:2:PHE:O	1:E:155:LEU:C[2_657]	1.28	0.92
1:A:17:ASP:C	1:B:158:LYS:N[2_757]	1.28	0.92
1:A:51:ASP:N	1:B:185:TYR:N[2_757]	1.28	0.92
1:A:57:ILE:CA	1:B:143:THR:O[2_757]	1.28	0.92
1:A:77:ILE:CG2	1:A:147:ILE:CD1[2_757]	1.28	0.92
1:A:207:LEU:CD1	1:C:353:ALA:CB[2_858]	1.28	0.92
1:A:219:LYS:N	1:E:37:ASP:CB[2_757]	1.28	0.92
1:A:283:VAL:N	1:C:9:GLN:CD[2_858]	1.28	0.92
1:A:283:VAL:CG1	1:C:9:GLN:N[2_858]	1.28	0.92
1:A:313:THR:N	1:B:168:GLN:N[2_757]	1.28	0.92
1:A:365:THR:CA	1:F:59:GLN:NE2[2_657]	1.28	0.92
1:A:375:MET:O	1:F:65:ILE:CD1[2_657]	1.28	0.92
1:A:385:ASN:N	1:F:40:LEU:CB[2_657]	1.28	0.92
1:A:395:GLU:CA	1:F:104:LEU:O[2_657]	1.28	0.92
1:B:59:GLN:N	1:E:335:ILE:CG2[2_757]	1.28	0.92
1:B:72:ILE:O	1:E:367:ASN:ND2[2_757]	1.28	0.92
1:B:85:LYS:N	1:E:349:ASP:CA[2_757]	1.28	0.92
1:B:95:SER:CA	1:E:357:PHE:CE2[2_757]	1.28	0.92
1:B:102:ASN:CB	1:E:30:LYS:CB[2_757]	1.28	0.92

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:297:LEU:CG	1:E:403:LYS:C[2_757]	1.28	0.92
1:B:308:GLU:OE1	1:E:409:ILE:N[2_757]	1.28	0.92
1:B:314:VAL:CA	1:C:200:LYS:CE[2_858]	1.28	0.92
1:B:317:HIS:ND1	1:C:197:SER:CA[2_858]	1.28	0.92
1:B:353:ALA:O	1:C:165:ALA:N[2_858]	1.28	0.92
1:B:355:CYS:CB	1:C:161:ASP:CB[2_858]	1.28	0.92
1:B:357:PHE:CE1	1:D:148:PRO:CA[2_858]	1.28	0.92
1:B:359:ASN:ND2	1:C:160:SER:OG[2_858]	1.28	0.92
1:B:359:ASN:CB	1:D:151:GLY:N[2_858]	1.28	0.92
1:B:374:ILE:CG1	1:C:138:ASP:OD2[2_858]	1.28	0.92
1:B:394:THR:N	1:C:229:PHE:CE1[2_858]	1.28	0.92
1:C:320:LYS:CD	1:C:327:THR:OG1[2_958]	1.28	0.92
1:C:388:ARG:CD	1:C:391:TYR:O[2_958]	1.28	0.92
1:D:6:LYS:O	1:E:281:ASP:OD2[2_757]	1.28	0.92
1:D:40:LEU:CD2	1:E:112:PRO:CG[2_757]	1.28	0.92
1:D:71:GLY:N	1:E:125:TRP:CD1[2_757]	1.28	0.92
1:D:136:HIS:NE2	1:F:385:ASN:CA[2_757]	1.28	0.92
1:D:136:HIS:CG	1:F:385:ASN:O[2_757]	1.28	0.92
1:D:203:ILE:CA	1:F:75:ALA:CB[2_757]	1.28	0.92
1:D:205:LYS:CD	3:F:1601:NDP:O5D[2_757]	1.28	0.92
1:D:211:LEU:CD2	1:F:327:THR:CA[2_757]	1.28	0.92
1:D:212:SER:OG	1:F:325:GLU:CA[2_757]	1.28	0.92
1:D:268:ILE:CG1	1:F:315:THR:N[2_757]	1.28	0.92
1:D:296:ILE:CB	1:E:259:GLN:CB[2_757]	1.28	0.92
1:D:339:SER:CA	1:E:269:MET:CA[2_757]	1.28	0.92
1:D:355:CYS:CA	1:E:275:ASP:CB[2_757]	1.28	0.92
1:D:358:ALA:CA	1:E:271:LEU:CG[2_757]	1.28	0.92
1:D:371:GLN:OE1	1:E:231:GLU:OE1[2_757]	1.28	0.92
1:D:375:MET:SD	1:E:234:GLU:O[2_757]	1.28	0.92
1:D:411:SER:N	1:E:136:HIS:CB[2_757]	1.28	0.92
1:E:55:ASP:OD1	1:E:148:PRO:CB[2_657]	1.28	0.92
1:F:227:ASP:O	5:E:1524:HOH:O[2_657]	1.28	0.92
1:A:13:GLU:C	1:A:169:THR:N[2_757]	1.29	0.91
1:A:53:THR:C	1:B:142:ALA:CB[2_757]	1.29	0.91
1:A:55:ASP:OD2	1:A:184:MET:N[2_757]	1.29	0.91
1:A:63:GLU:O	1:B:147:ILE:O[2_757]	1.29	0.91
1:A:80:ASP:N	1:A:146:LEU:CD1[2_757]	1.29	0.91
1:A:83:ARG:NH1	1:A:148:PRO:CD[2_757]	1.29	0.91
1:A:91:LYS:N	1:B:221:TYR:CE2[2_757]	1.29	0.91
1:A:101:ARG:N	1:B:173:TYR:CA[2_757]	1.29	0.91
1:A:260:MET:CA	1:C:348:LEU:CB[2_858]	1.29	0.91

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:264:LYS:CG	1:C:341:GLY:N[2_858]	1.29	0.91
1:A:304:THR:OG1	1:B:150:PRO:CB[2_757]	1.29	0.91
1:A:320:LYS:CB	1:B:161:ASP:OD1[2_757]	1.29	0.91
1:A:367:ASN:CB	1:F:55:ASP:OD2[2_657]	1.29	0.91
1:A:396:GLU:OE1	1:F:297:LEU:C[2_657]	1.29	0.91
1:B:12:VAL:N	1:E:371:GLN:N[2_757]	1.29	0.91
1:B:30:LYS:CD	1:C:227:ASP:CB[2_858]	1.29	0.91
1:B:49:SER:C	1:E:340:ARG:CD[2_757]	1.29	0.91
1:B:50:ARG:NE	1:E:358:ALA:C[2_757]	1.29	0.91
1:B:83:ARG:N	1:E:351:THR:N[2_757]	1.29	0.91
1:B:83:ARG:CB	1:E:351:THR:CA[2_757]	1.29	0.91
1:B:102:ASN:CB	1:E:30:LYS:C[2_757]	1.29	0.91
1:B:110:ARG:NE	1:E:410:LYS:CD[2_757]	1.29	0.91
1:B:118:ILE:N	1:C:102:ASN:CB[2_858]	1.29	0.91
1:B:122:VAL:O	1:C:63:GLU:CA[2_858]	1.29	0.91
1:B:317:HIS:N	1:C:200:LYS:CB[2_858]	1.29	0.91
1:B:323:LYS:O	1:C:246:ILE:CB[2_858]	1.29	0.91
1:B:331:SER:CA	1:C:192:GLU:CA[2_858]	1.29	0.91
1:B:361:LEU:CD2	1:D:178:SER:CA[2_858]	1.29	0.91
1:B:367:ASN:CA	1:C:185:TYR:CD2[2_858]	1.29	0.91
1:B:374:ILE:CA	1:C:138:ASP:OD2[2_858]	1.29	0.91
1:B:403:LYS:CB	1:C:221:TYR:CA[2_858]	1.29	0.91
1:D:9:GLN:C	1:E:285:GLN:CA[2_757]	1.29	0.91
1:D:10:PRO:N	1:E:285:GLN:C[2_757]	1.29	0.91
1:D:65:ILE:CG1	1:E:124:ARG:C[2_757]	1.29	0.91
1:D:194:PHE:N	1:F:378:ASP:OD1[2_757]	1.29	0.91
1:D:196:HIS:CE1	1:F:332:ILE:N[2_757]	1.29	0.91
1:D:200:LYS:CA	1:F:311:HIS:ND1[2_757]	1.29	0.91
1:D:208:ASN:N	1:F:18:GLU:CG[2_757]	1.29	0.91
1:D:209:LEU:CB	1:F:19:MET:CB[2_757]	1.29	0.91
1:D:226:LYS:CA	1:F:393:THR:OG1[2_757]	1.29	0.91
1:D:235:ALA:CA	1:F:31:LEU:CD1[2_757]	1.29	0.91
1:D:241:PHE:CD1	1:F:20:THR:C[2_757]	1.29	0.91
1:D:244:LEU:CD1	1:F:75:ALA:C[2_757]	1.29	0.91
1:D:267:PHE:N	1:F:319:ARG:NE[2_757]	1.29	0.91
1:D:342:LEU:CG	1:E:131:ILE:CG1[2_757]	1.29	0.91
1:D:350:ASN:N	1:F:257:VAL:CG1[2_757]	1.29	0.91
1:D:369:VAL:CB	1:E:233:TYR:CA[2_757]	1.29	0.91
1:D:370:GLN:CA	1:E:231:GLU:C[2_757]	1.29	0.91
1:D:370:GLN:C	1:E:231:GLU:CB[2_757]	1.29	0.91
1:E:59:GLN:C	1:F:162:PRO:CA[2_657]	1.29	0.91

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:84:VAL:CG1	1:F:224:ARG:CB[2_657]	1.29	0.91
1:A:2:PHE:C	1:E:155:LEU:CA[2_657]	1.30	0.90
1:A:18:GLU:CD	1:B:157:TYR:CE2[2_757]	1.30	0.90
1:A:18:GLU:CB	1:B:159:PRO:N[2_757]	1.30	0.90
1:A:44:ASP:CA	1:A:171:LYS:N[2_757]	1.30	0.90
1:A:53:THR:CB	1:B:142:ALA:CB[2_757]	1.30	0.90
1:A:54:SER:OG	1:B:139:GLN:CB[2_757]	1.30	0.90
1:A:65:ILE:O	1:A:157:TYR:OH[2_757]	1.30	0.90
1:A:79:PRO:CG	1:A:181:ALA:O[2_757]	1.30	0.90
1:A:83:ARG:CD	1:A:147:ILE:N[2_757]	1.30	0.90
1:A:88:ASN:ND2	1:B:190:SER:CA[2_757]	1.30	0.90
1:A:93:TRP:C	1:A:144:ASP:CB[2_757]	1.30	0.90
1:A:94:LYS:CA	1:A:143:THR:C[2_757]	1.30	0.90
1:A:95:SER:O	1:A:143:THR:CB[2_757]	1.30	0.90
1:A:101:ARG:N	1:B:173:TYR:N[2_757]	1.30	0.90
1:A:111:GLU:OE1	1:C:6:LYS:CB[2_858]	1.30	0.90
1:A:129:ILE:CG2	5:C:1309:HOH:O[2_858]	1.30	0.90
1:A:129:ILE:CA	5:C:1309:HOH:O[2_858]	1.30	0.90
1:A:141:LYS:CG	1:A:141:LYS:NZ[2_757]	1.30	0.90
1:A:158:LYS:NZ	1:A:307:SER:O[2_757]	1.30	0.90
1:A:317:HIS:O	1:B:161:ASP:C[2_757]	1.30	0.90
1:A:328:SER:O	1:F:67:LYS:N[2_657]	1.30	0.90
1:A:391:TYR:OH	1:F:70:VAL:CG2[2_657]	1.30	0.90
1:A:395:GLU:O	1:F:104:LEU:CA[2_657]	1.30	0.90
1:A:406:GLN:CD	1:F:141:LYS:CB[2_657]	1.30	0.90
1:F:67:LYS:CE	3:A:1101:NDP:N3A[2_657]	1.30	0.90
1:B:11:VAL:C	1:E:370:GLN:CA[2_757]	1.30	0.90
1:B:19:MET:CB	1:C:237:TYR:CE1[2_858]	1.30	0.90
1:B:31:LEU:CG	1:C:224:ARG:NE[2_858]	1.30	0.90
1:B:46:SER:N	1:E:359:ASN:OD1[2_757]	1.30	0.90
1:B:79:PRO:CG	1:E:354:LEU:CG[2_757]	1.30	0.90
1:B:97:ASN:CA	1:E:405:LEU:CD2[2_757]	1.30	0.90
1:B:99:THR:C	1:E:31:LEU:CB[2_757]	1.30	0.90
1:B:117:ARG:O	1:C:98:GLY:C[2_858]	1.30	0.90
1:B:119:PRO:O	1:C:100:ILE:O[2_858]	1.30	0.90
1:B:289:SER:CB	1:C:299:THR:CA[2_858]	1.30	0.90
1:B:324:GLY:N	1:C:247:HIS:N[2_858]	1.30	0.90
1:B:332:ILE:CA	1:C:190:SER:N[2_858]	1.30	0.90
1:B:388:ARG:CA	1:C:131:ILE:CG2[2_858]	1.30	0.90
1:E:406:GLN:C	5:B:1216:HOH:O[2_757]	1.30	0.90
1:D:22:ILE:CB	1:E:206:LYS:NZ[2_757]	1.30	0.90

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:23:ILE:CG2	1:E:202:ALA:O[2_757]	1.30	0.90
1:D:32:ILE:CG2	1:E:110:ARG:O[2_757]	1.30	0.90
1:D:35:TYR:CZ	1:E:107:THR:C[2_757]	1.30	0.90
1:D:135:ALA:O	1:F:381:LEU:CD2[2_757]	1.30	0.90
1:D:207:LEU:CD2	1:F:83:ARG:NH2[2_757]	1.30	0.90
1:D:207:LEU:CA	1:F:18:GLU:OE1[2_757]	1.30	0.90
1:D:212:SER:O	1:F:326:GLU:CA[2_757]	1.30	0.90
1:D:227:ASP:CA	1:F:396:GLU:CA[2_757]	1.30	0.90
1:D:228:ILE:C	1:F:397:PHE:N[2_757]	1.30	0.90
1:D:229:PHE:CE2	1:F:329:THR:N[2_757]	1.30	0.90
1:D:241:PHE:CZ	1:F:20:THR:N[2_757]	1.30	0.90
1:D:244:LEU:CB	1:F:16:GLY:CA[2_757]	1.30	0.90
1:D:369:VAL:CG2	1:E:233:TYR:C[2_757]	1.30	0.90
1:D:376:THR:O	1:E:239:SER:OG[2_757]	1.30	0.90
1:E:246:ILE:N	3:D:1401:NDP:N6A[2_757]	1.30	0.90
1:E:47:VAL:CB	1:E:178:SER:OG[2_657]	1.30	0.90
1:A:44:ASP:N	1:A:170:LEU:CA[2_757]	1.31	0.89
1:A:46:SER:N	1:A:153:LEU:O[2_757]	1.31	0.89
1:A:47:VAL:CG1	1:A:175:TYR:OH[2_757]	1.31	0.89
1:A:59:GLN:N	1:B:182:MET:N[2_757]	1.31	0.89
1:A:65:ILE:CB	1:A:157:TYR:CD1[2_757]	1.31	0.89
1:A:93:TRP:CE3	1:A:182:MET:SD[2_757]	1.31	0.89
1:A:97:ASN:O	1:B:172:VAL:N[2_757]	1.31	0.89
1:A:126:GLU:OE1	1:C:338:TRP:CA[2_858]	1.31	0.89
1:A:313:THR:CA	1:B:167:PRO:CA[2_757]	1.31	0.89
1:A:315:THR:C	1:B:165:ALA:C[2_757]	1.31	0.89
1:A:317:HIS:C	1:B:162:PRO:CA[2_757]	1.31	0.89
1:A:319:ARG:C	1:B:161:ASP:CG[2_757]	1.31	0.89
1:A:375:MET:C	1:F:65:ILE:CG1[2_657]	1.31	0.89
1:A:383:CYS:CA	1:F:42:TYR:CA[2_657]	1.31	0.89
1:A:390:ALA:C	1:F:72:ILE:N[2_657]	1.31	0.89
1:A:393:THR:O	1:F:104:LEU:CD2[2_657]	1.31	0.89
1:A:398:LEU:O	1:F:102:ASN:C[2_657]	1.31	0.89
1:A:399:ASP:CA	1:F:102:ASN:CA[2_657]	1.31	0.89
1:A:400:ALA:CB	1:F:100:ILE:C[2_657]	1.31	0.89
1:B:169:THR:N	3:A:1101:NDP:C7N[2_757]	1.31	0.89
1:B:14:LEU:CD1	1:E:364:ALA:N[2_757]	1.31	0.89
1:B:26:LYS:O	1:C:231:GLU:OE2[2_858]	1.31	0.89
1:B:45:LEU:CG	1:E:362:GLU:CB[2_757]	1.31	0.89
1:B:61:ALA:CB	1:E:365:THR:CB[2_757]	1.31	0.89
1:B:89:LEU:N	1:E:344:LYS:O[2_757]	1.31	0.89

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:90:HIS:NE2	1:E:71:GLY:N[2_757]	1.31	0.89
1:B:99:THR:C	1:E:31:LEU:CD2[2_757]	1.31	0.89
1:B:110:ARG:CZ	1:E:410:LYS:CG[2_757]	1.31	0.89
1:B:306:GLU:CB	1:E:404:ARG:CB[2_757]	1.31	0.89
1:B:321:TYR:CD1	1:C:233:TYR:CD1[2_858]	1.31	0.89
1:B:361:LEU:CD1	1:D:178:SER:CB[2_858]	1.31	0.89
1:B:380:ALA:N	1:C:135:ALA:CB[2_858]	1.31	0.89
1:B:386:ASN:N	1:C:110:ARG:NE[2_858]	1.31	0.89
1:B:386:ASN:O	1:C:110:ARG:CG[2_858]	1.31	0.89
1:B:386:ASN:CG	1:C:295:SER:CB[2_858]	1.31	0.89
1:B:396:GLU:OE1	1:C:212:SER:CA[2_858]	1.31	0.89
1:B:404:ARG:CB	1:D:181:ALA:N[2_858]	1.31	0.89
1:E:406:GLN:N	5:B:1216:HOH:O[2_757]	1.31	0.89
1:C:388:ARG:NH2	1:C:391:TYR:CD1[2_958]	1.31	0.89
1:D:3:SER:O	1:E:101:ARG:NE[2_757]	1.31	0.89
1:D:12:VAL:C	1:E:287:PHE:CE2[2_757]	1.31	0.89
1:D:14:LEU:O	1:E:127:LYS:CB[2_757]	1.31	0.89
1:D:30:LYS:O	1:E:109:PHE:CD2[2_757]	1.31	0.89
1:D:37:ASP:CB	1:E:310:ALA:N[2_757]	1.31	0.89
1:D:38:VAL:O	1:E:293:MET:CB[2_757]	1.31	0.89
1:D:109:PHE:CE2	3:F:1601:NDP:C1B[2_757]	1.31	0.89
1:D:189:GLU:C	1:F:375:MET:CB[2_757]	1.31	0.89
1:D:205:LYS:CA	3:F:1601:NDP:C4D[2_757]	1.31	0.89
1:D:221:TYR:OH	1:F:389:SER:N[2_757]	1.31	0.89
1:D:229:PHE:CD1	1:F:394:THR:N[2_757]	1.31	0.89
1:D:248:TYR:C	1:F:22:ILE:CG1[2_757]	1.31	0.89
1:D:330:ASN:N	1:E:241:PHE:C[2_757]	1.31	0.89
1:D:338:TRP:CE3	1:E:130:ILE:CA[2_757]	1.31	0.89
1:D:339:SER:OG	1:E:210:PHE:O[2_757]	1.31	0.89
1:D:347:GLU:CG	1:F:278:VAL:CG1[2_757]	1.31	0.89
1:D:354:LEU:CD1	1:E:279:GLN:CA[2_757]	1.31	0.89
1:D:362:GLU:CD	1:E:211:LEU:CA[2_757]	1.31	0.89
1:D:408:GLU:CG	1:E:191:ILE:CA[2_757]	1.31	0.89
1:E:53:THR:O	1:F:157:TYR:CE1[2_657]	1.31	0.89
1:E:54:SER:O	1:F:157:TYR:CD2[2_657]	1.31	0.89
1:A:10:PRO:O	1:A:166:GLN:CB[2_757]	1.32	0.88
1:A:13:GLU:C	1:A:168:GLN:C[2_757]	1.32	0.88
1:A:33:LEU:O	1:E:174:ASP:CA[2_657]	1.32	0.88
1:A:35:TYR:C	1:E:171:LYS:CE[2_657]	1.32	0.88
1:A:45:LEU:CB	1:A:155:LEU:N[2_757]	1.32	0.88
1:A:56:LYS:NZ	1:A:218:LEU:CD2[2_757]	1.32	0.88

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:56:LYS:N	1:B:182:MET:SD[2_757]	1.32	0.88
1:A:68:TYR:CA	1:A:165:ALA:CA[2_757]	1.32	0.88
1:A:87:PHE:O	1:B:187:THR:N[2_757]	1.32	0.88
1:A:91:LYS:O	1:B:221:TYR:CG[2_757]	1.32	0.88
1:A:92:MET:SD	1:B:220:LYS:C[2_757]	1.32	0.88
1:A:104:LEU:CA	1:B:175:TYR:N[2_757]	1.32	0.88
1:A:120:ARG:C	1:C:41:LYS:CA[2_858]	1.32	0.88
1:A:125:TRP:N	1:C:11:VAL:CG1[2_858]	1.32	0.88
1:A:207:LEU:CD2	1:C:354:LEU:N[2_858]	1.32	0.88
1:A:261:ILE:C	1:C:69:GLY:C[2_858]	1.32	0.88
1:A:266:GLY:CA	1:C:354:LEU:CG[2_858]	1.32	0.88
1:A:315:THR:N	1:B:166:GLN:CA[2_757]	1.32	0.88
1:A:317:HIS:C	1:B:161:ASP:C[2_757]	1.32	0.88
1:A:320:LYS:N	1:B:161:ASP:OD1[2_757]	1.32	0.88
1:A:326:GLU:CA	1:F:303:LYS:N[2_657]	1.32	0.88
1:A:372:ASP:CA	1:F:96:PRO:CG[2_657]	1.32	0.88
1:B:14:LEU:CD2	1:E:363:SER:O[2_757]	1.32	0.88
1:B:30:LYS:CE	1:C:227:ASP:CA[2_858]	1.32	0.88
1:B:85:LYS:N	1:E:349:ASP:N[2_757]	1.32	0.88
1:B:93:TRP:NE1	1:E:341:GLY:C[2_757]	1.32	0.88
1:B:119:PRO:N	1:C:101:ARG:N[2_858]	1.32	0.88
1:B:321:TYR:N	1:C:241:PHE:CZ[2_858]	1.32	0.88
1:B:324:GLY:CA	1:C:247:HIS:CA[2_858]	1.32	0.88
1:B:325:GLU:CA	1:C:209:LEU:N[2_858]	1.32	0.88
1:B:361:LEU:CD2	1:D:178:SER:CB[2_858]	1.32	0.88
1:B:361:LEU:C	1:D:177:GLY:O[2_858]	1.32	0.88
1:B:365:THR:CG2	1:C:187:THR:CB[2_858]	1.32	0.88
1:B:369:VAL:CG1	1:C:137:GLY:N[2_858]	1.32	0.88
1:B:370:GLN:CD	1:C:141:LYS:CG[2_858]	1.32	0.88
1:B:385:ASN:OD1	4:C:1302:AKG:O1[2_858]	1.32	0.88
1:B:386:ASN:CG	1:C:295:SER:N[2_858]	1.32	0.88
1:B:386:ASN:C	1:C:110:ARG:CB[2_858]	1.32	0.88
1:B:393:THR:OG1	1:C:211:LEU:CD2[2_858]	1.32	0.88
1:B:394:THR:CA	1:C:229:PHE:CZ[2_858]	1.32	0.88
1:D:25:ASP:O	1:E:205:LYS:NZ[2_757]	1.32	0.88
1:D:26:LYS:O	1:E:201:LEU:CD2[2_757]	1.32	0.88
1:D:27:ILE:CG2	1:E:268:ILE:CG1[2_757]	1.32	0.88
1:D:109:PHE:CZ	3:F:1601:NDP:C2B[2_757]	1.32	0.88
1:D:111:GLU:O	1:E:249:GLU:OE2[2_757]	1.32	0.88
1:D:115:ILE:N	1:E:230:GLN:OE1[2_757]	1.32	0.88
1:D:135:ALA:CA	1:F:381:LEU:CD1[2_757]	1.32	0.88

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:190:SER:OG	1:F:380:ALA:CA[2_757]	1.32	0.88
1:D:191:ILE:CD1	1:F:392:VAL:N[2_757]	1.32	0.88
1:D:228:ILE:N	1:F:397:PHE:N[2_757]	1.32	0.88
1:D:236:GLN:CB	1:F:335:ILE:N[2_757]	1.32	0.88
1:D:306:GLU:CG	1:E:263:SER:C[2_757]	1.32	0.88
1:D:317:HIS:ND1	1:E:243:GLN:C[2_757]	1.32	0.88
1:D:328:SER:O	1:E:243:GLN:CB[2_757]	1.32	0.88
1:D:342:LEU:CB	1:E:131:ILE:CD1[2_757]	1.32	0.88
1:D:342:LEU:CD2	1:E:131:ILE:CG1[2_757]	1.32	0.88
1:D:353:ALA:C	1:E:274:TYR:O[2_757]	1.32	0.88
1:D:377:LYS:N	1:E:239:SER:CA[2_757]	1.32	0.88
1:E:53:THR:CB	1:E:151:GLY:N[2_657]	1.32	0.88
1:E:87:PHE:O	1:F:187:THR:O[2_657]	1.32	0.88
1:E:90:HIS:CA	1:E:180:VAL:CB[2_657]	1.32	0.88
1:E:91:LYS:CG	1:E:145:THR:C[2_657]	1.32	0.88
1:A:12:VAL:CA	1:A:168:GLN:N[2_757]	1.33	0.87
1:A:34:PRO:O	1:E:173:TYR:N[2_657]	1.33	0.87
1:A:44:ASP:CB	1:A:171:LYS:N[2_757]	1.33	0.87
1:A:48:GLU:CG	1:A:173:TYR:CG[2_757]	1.33	0.87
1:A:55:ASP:OD2	1:A:183:ALA:C[2_757]	1.33	0.87
1:A:56:LYS:O	1:B:181:ALA:O[2_757]	1.33	0.87
1:A:65:ILE:CA	1:A:157:TYR:CE1[2_757]	1.33	0.87
1:A:71:GLY:O	1:A:158:LYS:CG[2_757]	1.33	0.87
1:A:86:GLU:CG	1:A:178:SER:CB[2_757]	1.33	0.87
1:A:90:HIS:O	1:B:225:PHE:CE1[2_757]	1.33	0.87
1:A:92:MET:CE	1:B:219:LYS:O[2_757]	1.33	0.87
1:A:103:ILE:CA	1:B:173:TYR:CD2[2_757]	1.33	0.87
1:A:269:MET:CA	1:C:350:ASN:CB[2_858]	1.33	0.87
1:A:283:VAL:CG1	1:C:8:LYS:O[2_858]	1.33	0.87
1:A:283:VAL:CG2	1:C:9:GLN:CG[2_858]	1.33	0.87
1:A:304:THR:CG2	1:B:151:GLY:N[2_757]	1.33	0.87
1:A:368:THR:N	1:F:58:THR:CG2[2_657]	1.33	0.87
1:A:392:VAL:O	1:F:65:ILE:CG2[2_657]	1.33	0.87
1:A:400:ALA:CB	1:F:100:ILE:N[2_657]	1.33	0.87
1:B:50:ARG:O	1:E:340:ARG:C[2_757]	1.33	0.87
1:B:61:ALA:N	1:E:365:THR:CG2[2_757]	1.33	0.87
1:B:93:TRP:CG	1:E:342:LEU:N[2_757]	1.33	0.87
1:B:317:HIS:NE2	5:C:1334:HOH:O[2_858]	1.33	0.87
1:B:319:ARG:CB	1:C:203:ILE:CB[2_858]	1.33	0.87
1:B:325:GLU:CB	1:C:207:LEU:O[2_858]	1.33	0.87
1:B:326:GLU:N	1:C:209:LEU:CB[2_858]	1.33	0.87

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:372:ASP:CG	1:C:184:MET:CG[2_858]	1.33	0.87
1:B:386:ASN:CA	1:C:110:ARG:CG[2_858]	1.33	0.87
1:B:406:GLN:O	1:D:145:THR:OG1[2_858]	1.33	0.87
1:B:410:LYS:O	1:C:169:THR:N[2_858]	1.33	0.87
1:E:405:LEU:C	5:B:1215:HOH:O[2_757]	1.33	0.87
1:C:317:HIS:CG	1:C:325:GLU:CB[2_958]	1.33	0.87
1:D:2:PHE:O	5:E:1531:HOH:O[2_757]	1.33	0.87
1:D:13:GLU:CG	1:E:128:PRO:CG[2_757]	1.33	0.87
1:D:109:PHE:CE1	3:F:1601:NDP:O2B[2_757]	1.33	0.87
1:D:137:GLY:C	1:F:387:GLU:CA[2_757]	1.33	0.87
1:D:194:PHE:CB	1:F:377:LYS:N[2_757]	1.33	0.87
1:D:197:SER:CA	3:F:1601:NDP:N1A[2_757]	1.33	0.87
1:D:228:ILE:N	1:F:396:GLU:CA[2_757]	1.33	0.87
1:D:231:GLU:OE1	1:F:400:ALA:C[2_757]	1.33	0.87
1:D:233:TYR:OH	1:F:21:ARG:O[2_757]	1.33	0.87
1:D:252:LEU:C	1:F:324:GLY:O[2_757]	1.33	0.87
1:D:268:ILE:CG1	1:F:315:THR:C[2_757]	1.33	0.87
1:D:268:ILE:O	1:F:318:TYR:CA[2_757]	1.33	0.87
1:D:296:ILE:CG1	1:E:259:GLN:CB[2_757]	1.33	0.87
1:D:303:LYS:CD	1:F:287:PHE:CA[2_757]	1.33	0.87
1:D:334:SER:CB	1:E:207:LEU:O[2_757]	1.33	0.87
1:D:348:LEU:CD2	1:F:282:ILE:CG2[2_757]	1.33	0.87
1:E:50:ARG:CG	1:E:148:PRO:C[2_657]	1.33	0.87
1:E:55:ASP:CG	1:E:148:PRO:CG[2_657]	1.33	0.87
1:E:84:VAL:CA	1:F:224:ARG:CG[2_657]	1.33	0.87
1:A:29:LYS:O	1:E:173:TYR:OH[2_657]	1.34	0.86
1:A:44:ASP:CB	1:A:171:LYS:CA[2_757]	1.34	0.86
1:A:48:GLU:CG	1:A:173:TYR:CE2[2_757]	1.34	0.86
1:A:63:GLU:CD	1:B:179:GLY:C[2_757]	1.34	0.86
1:A:66:LYS:CG	1:B:177:GLY:O[2_757]	1.34	0.86
1:A:89:LEU:CA	1:B:186:ASN:CB[2_757]	1.34	0.86
1:A:100:ILE:CG1	1:B:153:LEU:CB[2_757]	1.34	0.86
1:A:111:GLU:CD	1:C:6:LYS:CG[2_858]	1.34	0.86
1:A:117:ARG:CG	1:F:44:ASP:N[2_657]	1.34	0.86
1:A:125:TRP:C	1:C:11:VAL:CG1[2_858]	1.34	0.86
1:A:219:LYS:CG	1:E:37:ASP:C[2_757]	1.34	0.86
1:A:260:MET:N	1:C:348:LEU:CD1[2_858]	1.34	0.86
1:A:261:ILE:C	1:C:69:GLY:O[2_858]	1.34	0.86
1:A:269:MET:SD	1:C:349:ASP:CA[2_858]	1.34	0.86
1:A:326:GLU:C	1:F:303:LYS:CB[2_657]	1.34	0.86
1:A:328:SER:O	1:F:67:LYS:CA[2_657]	1.34	0.86

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:365:THR:CB	1:F:59:GLN:NE2[2_657]	1.34	0.86
1:A:381:LEU:CD2	1:F:11:VAL:N[2_657]	1.34	0.86
1:A:386:ASN:C	1:F:11:VAL:CG2[2_657]	1.34	0.86
1:A:391:TYR:N	1:F:71:GLY:C[2_657]	1.34	0.86
1:B:12:VAL:CB	1:E:366:LEU:O[2_757]	1.34	0.86
1:B:45:LEU:CD1	1:E:361:LEU:C[2_757]	1.34	0.86
1:B:51:ASP:CG	1:E:344:LYS:CG[2_757]	1.34	0.86
1:B:56:LYS:CE	1:E:309:ALA:N[2_757]	1.34	0.86
1:B:287:PHE:CG	1:C:66:LYS:CE[2_858]	1.34	0.86
1:B:297:LEU:CD1	1:E:403:LYS:CB[2_757]	1.34	0.86
1:B:329:THR:CG2	1:C:196:HIS:CB[2_858]	1.34	0.86
1:B:329:THR:CG2	1:C:196:HIS:CA[2_858]	1.34	0.86
1:B:334:SER:OG	1:C:192:GLU:OE2[2_858]	1.34	0.86
1:B:356:LYS:CB	1:C:159:PRO:CB[2_858]	1.34	0.86
1:B:370:GLN:CA	1:C:141:LYS:CB[2_858]	1.34	0.86
1:B:387:GLU:CG	1:C:110:ARG:NH1[2_858]	1.34	0.86
1:B:394:THR:C	1:C:229:PHE:CE1[2_858]	1.34	0.86
1:B:395:GLU:OE1	1:C:229:PHE:CD2[2_858]	1.34	0.86
1:B:395:GLU:CG	1:C:229:PHE:CB[2_858]	1.34	0.86
1:B:397:PHE:CA	1:C:225:PHE:CE2[2_858]	1.34	0.86
1:C:321:TYR:CB	5:C:1339:HOH:O[2_958]	1.34	0.86
1:D:10:PRO:C	1:E:283:VAL:O[2_757]	1.34	0.86
1:D:34:PRO:O	1:E:296:ILE:C[2_757]	1.34	0.86
1:D:34:PRO:CA	1:E:296:ILE:O[2_757]	1.34	0.86
1:D:114:VAL:C	1:E:230:GLN:OE1[2_757]	1.34	0.86
1:D:134:HIS:O	1:F:377:LYS:NZ[2_757]	1.34	0.86
1:D:134:HIS:ND1	1:F:391:TYR:CD2[2_757]	1.34	0.86
1:D:200:LYS:C	1:F:311:HIS:ND1[2_757]	1.34	0.86
1:D:205:LYS:N	3:F:1601:NDP:O4D[2_757]	1.34	0.86
1:D:208:ASN:O	1:F:318:TYR:CG[2_757]	1.34	0.86
1:D:210:PHE:CD2	1:F:321:TYR:CD2[2_757]	1.34	0.86
1:D:232:VAL:CG2	1:F:397:PHE:CE2[2_757]	1.34	0.86
1:D:244:LEU:N	1:F:16:GLY:N[2_757]	1.34	0.86
1:D:249:GLU:C	1:F:321:TYR:CE1[2_757]	1.34	0.86
1:D:304:THR:OG1	1:F:121:LEU:CA[2_757]	1.34	0.86
1:D:304:THR:CB	1:F:121:LEU:CG[2_757]	1.34	0.86
1:D:332:ILE:CG2	1:E:248:TYR:CG[2_757]	1.34	0.86
1:D:335:ILE:N	1:E:208:ASN:O[2_757]	1.34	0.86
1:D:336:PHE:N	1:E:209:LEU:CA[2_757]	1.34	0.86
1:D:356:LYS:NZ	1:E:139:GLN:CD[2_757]	1.34	0.86
1:D:364:ALA:CB	1:E:194:PHE:C[2_757]	1.34	0.86

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:367:ASN:C	1:E:232:VAL:CB[2_757]	1.34	0.86
1:D:404:ARG:CD	1:E:192:GLU:O[2_757]	1.34	0.86
1:E:89:LEU:C	1:E:180:VAL:CG2[2_657]	1.34	0.86
1:E:91:LYS:CB	1:E:146:LEU:N[2_657]	1.34	0.86
1:A:43:TYR:CE2	1:B:145:THR:OG1[2_757]	1.35	0.85
1:A:50:ARG:O	1:B:184:MET:CB[2_757]	1.35	0.85
1:A:53:THR:CB	1:B:142:ALA:CA[2_757]	1.35	0.85
1:A:78:THR:N	1:A:145:THR:CG2[2_757]	1.35	0.85
1:A:83:ARG:CG	1:A:147:ILE:N[2_757]	1.35	0.85
1:A:117:ARG:CD	1:F:44:ASP:CA[2_657]	1.35	0.85
1:A:150:PRO:O	1:A:318:TYR:CD2[2_757]	1.35	0.85
1:A:326:GLU:CB	1:F:303:LYS:CA[2_657]	1.35	0.85
1:A:368:THR:N	1:F:58:THR:CB[2_657]	1.35	0.85
1:A:384:GLY:C	1:F:40:LEU:CG[2_657]	1.35	0.85
1:A:387:GLU:OE2	1:F:338:TRP:CE3[2_657]	1.35	0.85
1:A:400:ALA:O	1:F:99:THR:CA[2_657]	1.35	0.85
1:B:22:ILE:CB	1:C:233:TYR:N[2_858]	1.35	0.85
1:B:26:LYS:NZ	1:C:230:GLN:N[2_858]	1.35	0.85
1:B:50:ARG:NH2	1:E:355:CYS:O[2_757]	1.35	0.85
1:B:57:ILE:CG1	1:E:336:PHE:CZ[2_757]	1.35	0.85
1:B:62:ALA:O	1:E:401:VAL:CG2[2_757]	1.35	0.85
1:B:66:LYS:CD	1:E:397:PHE:C[2_757]	1.35	0.85
1:B:104:LEU:CD2	1:E:400:ALA:CA[2_757]	1.35	0.85
1:B:287:PHE:N	1:C:66:LYS:CG[2_858]	1.35	0.85
1:B:320:LYS:CB	1:C:202:ALA:CA[2_858]	1.35	0.85
1:B:325:GLU:CD	1:C:207:LEU:N[2_858]	1.35	0.85
1:B:327:THR:CG2	1:C:199:PHE:N[2_858]	1.35	0.85
1:B:332:ILE:CD1	1:C:190:SER:OG[2_858]	1.35	0.85
1:B:358:ALA:O	1:D:150:PRO:N[2_858]	1.35	0.85
1:B:358:ALA:C	1:D:150:PRO:CD[2_858]	1.35	0.85
1:B:362:GLU:CD	1:D:176:LYS:CA[2_858]	1.35	0.85
1:B:378:ASP:C	1:C:107:THR:N[2_858]	1.35	0.85
1:B:392:VAL:N	1:C:271:LEU:C[2_858]	1.35	0.85
1:B:398:LEU:C	1:C:224:ARG:C[2_858]	1.35	0.85
1:B:407:LYS:CG	1:D:144:ASP:CA[2_858]	1.35	0.85
1:D:10:PRO:N	1:E:285:GLN:N[2_757]	1.35	0.85
1:D:13:GLU:C	1:E:127:LYS:C[2_757]	1.35	0.85
1:D:70:VAL:CB	1:E:125:TRP:CH2[2_757]	1.35	0.85
1:D:115:ILE:N	1:E:230:GLN:CD[2_757]	1.35	0.85
1:D:118:ILE:CD1	1:E:234:GLU:CB[2_757]	1.35	0.85
1:D:196:HIS:ND1	1:F:332:ILE:N[2_757]	1.35	0.85

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:196:HIS:CB	1:F:330:ASN:ND2[2_757]	1.35	0.85
1:D:240:LYS:N	1:F:24:TRP:CZ3[2_757]	1.35	0.85
1:D:244:LEU:CD2	1:F:76:THR:CG2[2_757]	1.35	0.85
1:D:345:ARG:CD	1:E:282:ILE:C[2_757]	1.35	0.85
1:D:357:PHE:CD1	1:E:133:ARG:CB[2_757]	1.35	0.85
1:D:362:GLU:CB	1:E:211:LEU:CG[2_757]	1.35	0.85
1:D:364:ALA:N	1:E:229:PHE:CZ[2_757]	1.35	0.85
1:D:400:ALA:N	1:E:200:LYS:NZ[2_757]	1.35	0.85
1:E:51:ASP:O	1:E:175:TYR:CD2[2_657]	1.35	0.85
1:A:14:LEU:CD1	1:A:156:VAL:C[2_757]	1.36	0.84
1:A:21:ARG:CZ	1:A:171:LYS:CD[2_757]	1.36	0.84
1:A:29:LYS:CE	1:E:176:LYS:O[2_657]	1.36	0.84
1:A:35:TYR:O	1:E:171:LYS:CG[2_657]	1.36	0.84
1:A:42:TYR:O	1:A:170:LEU:CD2[2_757]	1.36	0.84
1:A:79:PRO:N	1:A:145:THR:C[2_757]	1.36	0.84
1:A:90:HIS:ND1	1:B:138:ASP:OD2[2_757]	1.36	0.84
1:A:95:SER:N	1:A:143:THR:C[2_757]	1.36	0.84
1:A:120:ARG:N	1:C:41:LYS:CA[2_858]	1.36	0.84
1:A:122:VAL:N	1:C:12:VAL:CG2[2_858]	1.36	0.84
1:A:127:LYS:N	1:C:342:LEU:CD2[2_858]	1.36	0.84
1:A:208:ASN:O	1:C:352:PRO:CA[2_858]	1.36	0.84
1:A:217:ILE:CB	1:E:4:LYS:CG[2_757]	1.36	0.84
1:A:264:LYS:CB	1:C:341:GLY:CA[2_858]	1.36	0.84
1:A:317:HIS:O	1:B:162:PRO:N[2_757]	1.36	0.84
1:A:365:THR:CA	1:F:59:GLN:CD[2_657]	1.36	0.84
1:A:367:ASN:ND2	1:F:55:ASP:CB[2_657]	1.36	0.84
1:A:373:GLY:CA	1:F:45:LEU:CD1[2_657]	1.36	0.84
1:A:376:THR:CB	1:F:65:ILE:N[2_657]	1.36	0.84
1:A:391:TYR:CD1	1:F:70:VAL:C[2_657]	1.36	0.84
1:B:168:GLN:CB	3:A:1101:NDP:C1D[2_757]	1.36	0.84
1:B:23:ILE:CB	1:C:232:VAL:CG2[2_858]	1.36	0.84
1:B:47:VAL:O	1:E:343:LEU:CG[2_757]	1.36	0.84
1:B:51:ASP:OD1	1:E:344:LYS:CG[2_757]	1.36	0.84
1:B:57:ILE:CA	1:E:336:PHE:CD1[2_757]	1.36	0.84
1:B:60:ASP:CG	1:E:333:ALA:N[2_757]	1.36	0.84
1:B:88:ASN:N	1:E:347:GLU:O[2_757]	1.36	0.84
1:B:119:PRO:CA	1:C:100:ILE:C[2_858]	1.36	0.84
1:B:331:SER:CA	1:C:192:GLU:N[2_858]	1.36	0.84
1:B:331:SER:C	1:C:189:GLU:O[2_858]	1.36	0.84
1:B:332:ILE:C	1:C:189:GLU:CB[2_858]	1.36	0.84
1:B:335:ILE:CG1	1:C:188:ASP:C[2_858]	1.36	0.84

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:354:LEU:CD2	1:C:164:THR:CG2[2_858]	1.36	0.84
1:B:363:SER:CA	1:D:175:TYR:CG[2_858]	1.36	0.84
1:B:378:ASP:CG	1:C:106:GLY:C[2_858]	1.36	0.84
1:B:399:ASP:CA	1:C:225:PHE:N[2_858]	1.36	0.84
1:B:407:LYS:C	1:D:145:THR:CG2[2_858]	1.36	0.84
1:C:316:ARG:CB	1:C:323:LYS:N[2_958]	1.36	0.84
1:D:2:PHE:CZ	1:E:101:ARG:N[2_757]	1.36	0.84
1:D:5:ILE:N	1:E:110:ARG:CZ[2_757]	1.36	0.84
1:D:34:PRO:C	1:E:296:ILE:C[2_757]	1.36	0.84
1:D:35:TYR:CD2	1:E:107:THR:C[2_757]	1.36	0.84
1:D:40:LEU:CG	1:E:112:PRO:CD[2_757]	1.36	0.84
1:D:130:ILE:CB	1:F:316:ARG:CG[2_757]	1.36	0.84
1:D:134:HIS:ND1	1:F:391:TYR:CE2[2_757]	1.36	0.84
1:D:185:TYR:C	1:F:389:SER:OG[2_757]	1.36	0.84
1:D:196:HIS:CA	1:F:330:ASN:CA[2_757]	1.36	0.84
1:D:231:GLU:O	1:F:398:LEU:CD2[2_757]	1.36	0.84
1:D:231:GLU:CB	1:F:398:LEU:CA[2_757]	1.36	0.84
1:D:239:SER:CB	1:F:338:TRP:NE1[2_757]	1.36	0.84
1:D:246:ILE:C	1:F:21:ARG:CB[2_757]	1.36	0.84
1:D:296:ILE:CD1	1:E:259:GLN:CA[2_757]	1.36	0.84
1:D:302:GLY:C	1:F:285:GLN:CA[2_757]	1.36	0.84
1:D:302:GLY:N	1:F:284:ALA:O[2_757]	1.36	0.84
1:D:337:ALA:O	1:E:267:PHE:CD1[2_757]	1.36	0.84
1:D:362:GLU:CD	1:E:212:SER:N[2_757]	1.36	0.84
1:D:374:ILE:C	1:E:236:GLN:CA[2_757]	1.36	0.84
1:D:401:VAL:C	1:E:197:SER:CA[2_757]	1.36	0.84
1:D:401:VAL:CG1	1:E:199:PHE:N[2_757]	1.36	0.84
1:D:406:GLN:OE1	1:E:299:THR:C[2_757]	1.36	0.84
1:E:51:ASP:OD1	1:E:179:GLY:CA[2_657]	1.36	0.84
1:E:57:ILE:N	1:F:159:PRO:CA[2_657]	1.36	0.84
1:E:90:HIS:CB	1:E:181:ALA:N[2_657]	1.36	0.84
1:A:4:LYS:NZ	1:E:152:SER:O[2_657]	1.37	0.83
1:A:33:LEU:CB	1:E:174:ASP:O[2_657]	1.37	0.83
1:A:43:TYR:CZ	1:B:145:THR:OG1[2_757]	1.37	0.83
1:A:44:ASP:N	1:A:170:LEU:C[2_757]	1.37	0.83
1:A:50:ARG:CG	1:B:183:ALA:CB[2_757]	1.37	0.83
1:A:53:THR:N	1:B:142:ALA:CA[2_757]	1.37	0.83
1:A:68:TYR:C	1:A:165:ALA:CB[2_757]	1.37	0.83
1:A:70:VAL:N	1:A:159:PRO:CG[2_757]	1.37	0.83
1:A:74:CYS:CB	5:B:1213:HOH:O[2_757]	1.37	0.83
1:A:87:PHE:CG	1:A:175:TYR:CD2[2_757]	1.37	0.83

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:100:ILE:CD1	1:B:153:LEU:C[2_757]	1.37	0.83
1:A:129:ILE:N	1:C:7:VAL:CA[2_858]	1.37	0.83
1:A:260:MET:CB	1:C:348:LEU:CB[2_858]	1.37	0.83
1:A:267:PHE:C	1:C:351:THR:CB[2_858]	1.37	0.83
1:A:268:ILE:O	1:C:350:ASN:O[2_858]	1.37	0.83
1:A:287:PHE:C	1:C:39:ASP:OD2[2_858]	1.37	0.83
1:A:317:HIS:N	1:B:162:PRO:O[2_757]	1.37	0.83
1:A:320:LYS:CA	1:B:161:ASP:CG[2_757]	1.37	0.83
1:A:367:ASN:C	1:F:58:THR:CB[2_657]	1.37	0.83
1:A:398:LEU:C	1:F:102:ASN:C[2_657]	1.37	0.83
1:B:11:VAL:O	1:E:370:GLN:CA[2_757]	1.37	0.83
1:B:26:LYS:CG	1:C:231:GLU:N[2_858]	1.37	0.83
1:B:46:SER:O	1:E:343:LEU:CD1[2_757]	1.37	0.83
1:B:56:LYS:CG	1:E:337:ALA:CB[2_757]	1.37	0.83
1:B:70:VAL:CA	1:E:372:ASP:CA[2_757]	1.37	0.83
1:B:82:ALA:C	1:E:350:ASN:C[2_757]	1.37	0.83
1:B:87:PHE:CA	1:E:347:GLU:CA[2_757]	1.37	0.83
1:B:122:VAL:N	1:C:65:ILE:N[2_858]	1.37	0.83
1:B:140:TYR:C	1:E:34:PRO:CA[2_757]	1.37	0.83
1:B:216:THR:C	1:B:220:LYS:CE[2_757]	1.37	0.83
1:B:286:GLY:O	1:C:66:LYS:CB[2_858]	1.37	0.83
1:B:289:SER:N	1:C:299:THR:CG2[2_858]	1.37	0.83
1:B:297:LEU:N	1:E:407:LYS:CG[2_757]	1.37	0.83
1:B:321:TYR:C	1:C:241:PHE:CD2[2_858]	1.37	0.83
1:B:369:VAL:CG1	1:C:136:HIS:O[2_858]	1.37	0.83
1:B:372:ASP:O	1:C:139:GLN:N[2_858]	1.37	0.83
1:B:383:CYS:N	1:C:101:ARG:CG[2_858]	1.37	0.83
1:B:410:LYS:CG	1:C:170:LEU:CD2[2_858]	1.37	0.83
1:C:324:GLY:CA	3:C:1301:NDP:O3X[2_958]	1.37	0.83
1:D:9:GLN:CD	1:E:285:GLN:CG[2_757]	1.37	0.83
1:D:33:LEU:C	1:E:109:PHE:O[2_757]	1.37	0.83
1:D:66:LYS:C	1:E:123:PRO:CD[2_757]	1.37	0.83
1:D:115:ILE:CG1	1:E:230:GLN:NE2[2_757]	1.37	0.83
1:D:130:ILE:O	1:F:316:ARG:O[2_757]	1.37	0.83
1:D:188:ASP:O	1:F:374:ILE:C[2_757]	1.37	0.83
1:D:196:HIS:CE1	1:F:332:ILE:CB[2_757]	1.37	0.83
1:D:209:LEU:CB	1:F:19:MET:CG[2_757]	1.37	0.83
1:D:238:LYS:O	1:F:24:TRP:CG[2_757]	1.37	0.83
1:D:249:GLU:O	1:F:321:TYR:CE1[2_757]	1.37	0.83
1:D:290:LEU:C	1:E:247:HIS:CD2[2_757]	1.37	0.83
1:D:298:VAL:CA	1:E:262:LYS:CD[2_757]	1.37	0.83

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:302:GLY:CA	1:F:284:ALA:C[2_757]	1.37	0.83
1:D:336:PHE:CB	1:E:210:PHE:N[2_757]	1.37	0.83
1:D:342:LEU:CD1	1:E:131:ILE:CB[2_757]	1.37	0.83
1:D:360:ILE:CA	1:E:194:PHE:CE1[2_757]	1.37	0.83
1:D:366:LEU:C	1:E:229:PHE:C[2_757]	1.37	0.83
1:D:379:LEU:CB	1:E:238:LYS:CB[2_757]	1.37	0.83
1:D:398:LEU:C	1:E:200:LYS:CA[2_757]	1.37	0.83
1:D:404:ARG:CB	1:E:192:GLU:O[2_757]	1.37	0.83
1:E:81:GLU:N	1:F:227:ASP:OD2[2_657]	1.37	0.83
1:E:85:LYS:NZ	1:F:248:TYR:OH[2_657]	1.37	0.83
1:A:4:LYS:CE	1:E:152:SER:C[2_657]	1.38	0.82
1:A:34:PRO:CB	1:E:173:TYR:CG[2_657]	1.38	0.82
1:A:90:HIS:CB	1:B:138:ASP:CG[2_757]	1.38	0.82
1:A:95:SER:C	1:A:143:THR:CG2[2_757]	1.38	0.82
1:A:97:ASN:CB	1:B:170:LEU:O[2_757]	1.38	0.82
1:A:98:GLY:O	1:B:172:VAL:O[2_757]	1.38	0.82
1:A:112:PRO:O	1:C:37:ASP:OD2[2_858]	1.38	0.82
1:A:120:ARG:N	1:C:41:LYS:N[2_858]	1.38	0.82
1:A:183:ALA:O	5:A:1109:HOH:O[2_757]	1.38	0.82
1:A:206:LYS:NZ	5:C:1350:HOH:O[2_858]	1.38	0.82
1:A:265:GLY:O	1:C:342:LEU:C[2_858]	1.38	0.82
1:A:268:ILE:CA	1:C:351:THR:N[2_858]	1.38	0.82
1:A:313:THR:CG2	1:B:157:TYR:O[2_757]	1.38	0.82
1:A:318:TYR:CD1	1:B:160:SER:CA[2_757]	1.38	0.82
1:A:367:ASN:O	1:F:58:THR:OG1[2_657]	1.38	0.82
1:A:372:ASP:O	1:F:73:LYS:CE[2_657]	1.38	0.82
1:A:376:THR:C	1:F:65:ILE:N[2_657]	1.38	0.82
1:A:405:LEU:CB	1:F:141:LYS:NZ[2_657]	1.38	0.82
1:F:301:ASP:CG	5:A:1110:HOH:O[2_657]	1.38	0.82
1:B:26:LYS:CE	1:C:230:GLN:CB[2_858]	1.38	0.82
1:B:26:LYS:N	1:C:231:GLU:CB[2_858]	1.38	0.82
1:B:45:LEU:CD2	1:E:362:GLU:CG[2_757]	1.38	0.82
1:B:65:ILE:CD1	1:E:364:ALA:O[2_757]	1.38	0.82
1:B:77:ILE:CG2	1:E:352:PRO:O[2_757]	1.38	0.82
1:B:87:PHE:C	1:E:347:GLU:CB[2_757]	1.38	0.82
1:B:89:LEU:CB	1:E:344:LYS:O[2_757]	1.38	0.82
1:B:118:ILE:CB	1:C:101:ARG:O[2_858]	1.38	0.82
1:B:285:GLN:CG	1:C:303:LYS:C[2_858]	1.38	0.82
1:B:287:PHE:CA	1:C:66:LYS:CG[2_858]	1.38	0.82
1:B:306:GLU:CG	1:E:404:ARG:CG[2_757]	1.38	0.82
1:B:308:GLU:OE1	1:E:408:GLU:C[2_757]	1.38	0.82

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:314:VAL:CB	1:C:200:LYS:CE[2_858]	1.38	0.82
1:B:322:GLN:CB	1:C:241:PHE:CA[2_858]	1.38	0.82
1:B:323:LYS:CA	1:C:246:ILE:CB[2_858]	1.38	0.82
1:B:354:LEU:CA	1:C:164:THR:CA[2_858]	1.38	0.82
1:B:362:GLU:CB	1:D:176:LYS:N[2_858]	1.38	0.82
1:B:368:THR:C	1:C:185:TYR:O[2_858]	1.38	0.82
1:B:369:VAL:C	1:C:137:GLY:CA[2_858]	1.38	0.82
1:B:384:GLY:CA	1:C:308:GLU:OE2[2_858]	1.38	0.82
1:B:386:ASN:ND2	1:C:295:SER:CB[2_858]	1.38	0.82
1:B:399:ASP:N	1:C:224:ARG:C[2_858]	1.38	0.82
1:B:404:ARG:NH2	1:C:184:MET:N[2_858]	1.38	0.82
1:D:7:VAL:CG2	1:E:280:SER:O[2_757]	1.38	0.82
1:D:7:VAL:CG2	1:E:280:SER:C[2_757]	1.38	0.82
1:D:35:TYR:C	1:E:108:VAL:CG1[2_757]	1.38	0.82
1:D:102:ASN:CG	1:F:384:GLY:O[2_757]	1.38	0.82
1:D:191:ILE:CD1	1:F:391:TYR:O[2_757]	1.38	0.82
1:D:200:LYS:CG	1:F:311:HIS:CD2[2_757]	1.38	0.82
1:D:204:ASP:C	3:F:1601:NDP:N1N[2_757]	1.38	0.82
1:D:206:LYS:CD	1:F:76:THR:O[2_757]	1.38	0.82
1:D:233:TYR:CZ	1:F:22:ILE:C[2_757]	1.38	0.82
1:D:291:GLY:O	1:E:248:TYR:N[2_757]	1.38	0.82
1:D:302:GLY:CA	1:F:285:GLN:N[2_757]	1.38	0.82
1:D:328:SER:N	1:E:243:GLN:OE1[2_757]	1.38	0.82
1:D:329:THR:N	1:E:240:LYS:O[2_757]	1.38	0.82
1:D:330:ASN:CG	1:E:241:PHE:CB[2_757]	1.38	0.82
1:D:336:PHE:CE2	1:E:249:GLU:O[2_757]	1.38	0.82
1:D:339:SER:N	1:E:269:MET:CB[2_757]	1.38	0.82
1:D:346:GLY:N	1:E:279:GLN:OE1[2_757]	1.38	0.82
1:D:349:ASP:OD2	1:E:282:ILE:CA[2_757]	1.38	0.82
1:D:355:CYS:C	1:E:275:ASP:CA[2_757]	1.38	0.82
1:D:367:ASN:OD1	1:E:228:ILE:C[2_757]	1.38	0.82
1:D:370:GLN:CB	1:E:231:GLU:CB[2_757]	1.38	0.82
1:D:374:ILE:CD1	1:E:236:GLN:NE2[2_757]	1.38	0.82
1:D:400:ALA:CA	1:E:200:LYS:CE[2_757]	1.38	0.82
1:E:311:HIS:CB	5:D:1446:HOH:O[2_757]	1.38	0.82
1:E:52:ALA:O	1:E:175:TYR:CD1[2_657]	1.38	0.82
1:E:55:ASP:CA	1:F:157:TYR:CE2[2_657]	1.38	0.82
1:E:81:GLU:O	1:F:223:GLY:O[2_657]	1.38	0.82
1:E:84:VAL:CA	1:F:224:ARG:CB[2_657]	1.38	0.82
1:E:89:LEU:CG	1:F:188:ASP:OD1[2_657]	1.38	0.82
1:A:12:VAL:N	1:A:167:PRO:C[2_757]	1.39	0.81

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:36:LEU:CA	1:E:171:LYS:NZ[2_657]	1.39	0.81
1:A:44:ASP:N	1:A:170:LEU:CB[2_757]	1.39	0.81
1:A:47:VAL:CB	1:A:175:TYR:CZ[2_757]	1.39	0.81
1:A:60:ASP:CB	1:B:145:THR:O[2_757]	1.39	0.81
1:A:78:THR:C	1:A:145:THR:CA[2_757]	1.39	0.81
1:A:78:THR:CA	1:A:145:THR:CB[2_757]	1.39	0.81
1:A:81:GLU:CD	1:B:227:ASP:OD2[2_757]	1.39	0.81
1:A:83:ARG:O	1:A:179:GLY:C[2_757]	1.39	0.81
1:A:88:ASN:N	1:B:188:ASP:N[2_757]	1.39	0.81
1:A:90:HIS:CD2	1:B:138:ASP:OD2[2_757]	1.39	0.81
1:A:94:LYS:CA	1:A:144:ASP:N[2_757]	1.39	0.81
1:A:118:ILE:CD1	1:F:43:TYR:CG[2_657]	1.39	0.81
1:A:144:ASP:CG	1:B:219:LYS:CE[2_757]	1.39	0.81
1:A:216:THR:CA	1:E:5:ILE:O[2_757]	1.39	0.81
1:A:260:MET:CA	1:C:348:LEU:CG[2_858]	1.39	0.81
1:A:268:ILE:N	1:C:351:THR:N[2_858]	1.39	0.81
1:A:283:VAL:O	1:C:10:PRO:CD[2_858]	1.39	0.81
1:A:315:THR:C	1:B:165:ALA:O[2_757]	1.39	0.81
1:A:316:ARG:O	1:B:163:THR:C[2_757]	1.39	0.81
1:A:329:THR:O	1:F:66:LYS:CB[2_657]	1.39	0.81
1:A:376:THR:OG1	1:F:63:GLU:C[2_657]	1.39	0.81
1:A:384:GLY:CA	1:F:40:LEU:CB[2_657]	1.39	0.81
1:A:399:ASP:N	1:F:102:ASN:C[2_657]	1.39	0.81
1:A:410:LYS:C	1:E:220:LYS:NZ[2_657]	1.39	0.81
1:B:166:GLN:NE2	3:A:1101:NDP:C3B[2_757]	1.39	0.81
1:B:26:LYS:C	1:C:231:GLU:CD[2_858]	1.39	0.81
1:B:31:LEU:CG	1:C:224:ARG:CZ[2_858]	1.39	0.81
1:B:59:GLN:CB	1:E:335:ILE:CA[2_757]	1.39	0.81
1:B:67:LYS:NZ	1:E:379:LEU:C[2_757]	1.39	0.81
1:B:68:TYR:CD1	1:E:369:VAL:CG1[2_757]	1.39	0.81
1:B:72:ILE:CD1	1:E:371:GLN:NE2[2_757]	1.39	0.81
1:B:90:HIS:C	1:E:70:VAL:CB[2_757]	1.39	0.81
1:B:98:GLY:O	1:E:30:LYS:O[2_757]	1.39	0.81
1:B:121:LEU:O	1:C:65:ILE:CB[2_858]	1.39	0.81
1:B:125:TRP:CA	1:C:63:GLU:CB[2_858]	1.39	0.81
1:B:318:TYR:CB	1:C:237:TYR:CD2[2_858]	1.39	0.81
1:B:326:GLU:CA	1:C:209:LEU:CG[2_858]	1.39	0.81
1:B:326:GLU:OE2	1:C:269:MET:N[2_858]	1.39	0.81
1:B:407:LYS:CE	1:D:144:ASP:N[2_858]	1.39	0.81
1:D:2:PHE:CD2	1:E:101:ARG:N[2_757]	1.39	0.81
1:D:10:PRO:CA	1:E:284:ALA:C[2_757]	1.39	0.81

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:72:ILE:N	1:E:265:GLY:CA[2_757]	1.39	0.81
1:D:132:GLY:O	5:F:1652:HOH:O[2_757]	1.39	0.81
1:D:136:HIS:N	1:F:381:LEU:CD2[2_757]	1.39	0.81
1:D:194:PHE:CD1	1:F:328:SER:CB[2_757]	1.39	0.81
1:D:230:GLN:CD	1:F:26:LYS:CD[2_757]	1.39	0.81
1:D:234:GLU:OE2	1:F:30:LYS:CD[2_757]	1.39	0.81
1:D:237:TYR:CE1	1:F:331:SER:O[2_757]	1.39	0.81
1:D:238:LYS:CE	1:F:25:ASP:O[2_757]	1.39	0.81
1:D:290:LEU:O	1:E:247:HIS:CG[2_757]	1.39	0.81
1:D:336:PHE:CG	1:E:210:PHE:CA[2_757]	1.39	0.81
1:D:336:PHE:C	1:E:210:PHE:CD1[2_757]	1.39	0.81
1:D:352:PRO:CG	1:E:274:TYR:OH[2_757]	1.39	0.81
1:D:359:ASN:ND2	1:E:275:ASP:OD2[2_757]	1.39	0.81
1:D:370:GLN:CB	1:E:231:GLU:N[2_757]	1.39	0.81
1:D:372:ASP:OD2	1:E:196:HIS:CD2[2_757]	1.39	0.81
1:E:49:SER:OG	1:E:150:PRO:CD[2_657]	1.39	0.81
1:E:60:ASP:CA	1:F:162:PRO:CG[2_657]	1.39	0.81
1:E:90:HIS:NE2	1:E:181:ALA:CB[2_657]	1.39	0.81
1:E:93:TRP:CH2	1:E:147:ILE:CG1[2_657]	1.39	0.81
1:A:3:SER:N	1:E:170:LEU:O[2_657]	1.40	0.80
1:A:43:TYR:OH	1:B:145:THR:OG1[2_757]	1.40	0.80
1:A:52:ALA:O	1:B:141:LYS:N[2_757]	1.40	0.80
1:A:54:SER:OG	1:B:139:GLN:CA[2_757]	1.40	0.80
1:A:65:ILE:CA	1:A:157:TYR:OH[2_757]	1.40	0.80
1:A:66:LYS:C	1:B:149:GLY:N[2_757]	1.40	0.80
1:A:73:LYS:CA	1:A:156:VAL:CG1[2_757]	1.40	0.80
1:A:92:MET:SD	1:B:220:LYS:O[2_757]	1.40	0.80
1:A:150:PRO:CG	1:A:322:GLN:OE1[2_757]	1.40	0.80
1:A:158:LYS:CE	1:A:307:SER:O[2_757]	1.40	0.80
1:A:162:PRO:C	1:A:345:ARG:NH2[2_757]	1.40	0.80
1:A:260:MET:CA	1:C:348:LEU:CD1[2_858]	1.40	0.80
1:B:14:LEU:O	1:E:363:SER:OG[2_757]	1.40	0.80
1:B:26:LYS:NZ	1:C:230:GLN:CA[2_858]	1.40	0.80
1:B:62:ALA:C	1:E:401:VAL:CG2[2_757]	1.40	0.80
1:B:68:TYR:O	1:E:373:GLY:C[2_757]	1.40	0.80
1:B:68:TYR:O	1:E:373:GLY:CA[2_757]	1.40	0.80
1:B:83:ARG:N	1:E:350:ASN:C[2_757]	1.40	0.80
1:B:102:ASN:CG	1:E:30:LYS:N[2_757]	1.40	0.80
1:B:141:LYS:CD	1:E:29:LYS:CA[2_757]	1.40	0.80
1:B:277:ASP:CB	1:E:2:PHE:N[2_757]	1.40	0.80
1:B:361:LEU:CD2	1:D:178:SER:C[2_858]	1.40	0.80

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:364:ALA:CA	1:D:175:TYR:CZ[2_858]	1.40	0.80
1:B:376:THR:N	1:C:134:HIS:CD2[2_858]	1.40	0.80
1:B:407:LYS:CD	1:D:144:ASP:C[2_858]	1.40	0.80
1:C:388:ARG:NH2	1:C:391:TYR:CZ[2_958]	1.40	0.80
1:D:6:LYS:CB	1:E:310:ALA:O[2_757]	1.40	0.80
1:D:39:ASP:CA	1:E:292:LEU:O[2_757]	1.40	0.80
1:D:185:TYR:OH	1:F:387:GLU:OE2[2_757]	1.40	0.80
1:D:186:ASN:C	1:F:390:ALA:CA[2_757]	1.40	0.80
1:D:205:LYS:CA	3:F:1601:NDP:C1D[2_757]	1.40	0.80
1:D:211:LEU:N	1:F:327:THR:OG1[2_757]	1.40	0.80
1:D:229:PHE:CD2	1:F:394:THR:CB[2_757]	1.40	0.80
1:D:243:GLN:OE1	1:F:72:ILE:O[2_757]	1.40	0.80
1:D:267:PHE:CD2	1:F:322:GLN:NE2[2_757]	1.40	0.80
1:D:296:ILE:C	1:E:259:GLN:OE1[2_757]	1.40	0.80
1:D:298:VAL:N	1:E:262:LYS:CE[2_757]	1.40	0.80
1:D:330:ASN:ND2	1:E:241:PHE:CD2[2_757]	1.40	0.80
1:D:334:SER:C	1:E:208:ASN:C[2_757]	1.40	0.80
1:D:338:TRP:O	1:E:269:MET:CG[2_757]	1.40	0.80
1:D:342:LEU:CD1	1:E:131:ILE:CG1[2_757]	1.40	0.80
1:D:343:LEU:O	1:E:257:VAL:CG1[2_757]	1.40	0.80
1:D:350:ASN:O	1:F:253:ILE:CG1[2_757]	1.40	0.80
1:D:357:PHE:CZ	1:E:132:GLY:C[2_757]	1.40	0.80
1:D:357:PHE:CE1	1:E:133:ARG:CA[2_757]	1.40	0.80
1:D:359:ASN:CB	5:E:1517:HOH:O[2_757]	1.40	0.80
1:D:359:ASN:CG	5:E:1517:HOH:O[2_757]	1.40	0.80
1:D:379:LEU:CD2	1:E:238:LYS:CD[2_757]	1.40	0.80
1:D:405:LEU:CD1	1:E:107:THR:CB[2_757]	1.40	0.80
1:D:409:ILE:C	1:E:136:HIS:N[2_757]	1.40	0.80
1:D:409:ILE:CG2	1:E:135:ALA:CB[2_757]	1.40	0.80
1:E:50:ARG:CG	1:E:149:GLY:N[2_657]	1.40	0.80
1:E:56:LYS:CG	1:F:158:LYS:CA[2_657]	1.40	0.80
1:E:85:LYS:CA	1:F:225:PHE:CA[2_657]	1.40	0.80
1:A:20:THR:O	1:B:158:LYS:CD[2_757]	1.41	0.79
1:A:35:TYR:O	1:E:171:LYS:CD[2_657]	1.41	0.79
1:A:83:ARG:CG	1:A:146:LEU:CA[2_757]	1.41	0.79
1:A:85:LYS:C	1:B:188:ASP:OD1[2_757]	1.41	0.79
1:A:216:THR:CG2	1:E:5:ILE:CB[2_757]	1.41	0.79
1:A:216:THR:CB	1:E:5:ILE:N[2_757]	1.41	0.79
1:A:254:ASP:OD1	1:E:3:SER:CB[2_757]	1.41	0.79
1:A:260:MET:C	1:C:348:LEU:CD1[2_858]	1.41	0.79
1:A:269:MET:N	1:C:350:ASN:C[2_858]	1.41	0.79

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:326:GLU:CA	1:F:303:LYS:CB[2_657]	1.41	0.79
1:A:367:ASN:C	1:F:58:THR:OG1[2_657]	1.41	0.79
1:A:372:ASP:CG	1:F:96:PRO:CD[2_657]	1.41	0.79
1:A:399:ASP:CA	1:F:102:ASN:C[2_657]	1.41	0.79
1:A:407:LYS:NZ	1:E:217:ILE:CG2[2_657]	1.41	0.79
1:B:163:THR:C	5:A:1107:HOH:O[2_757]	1.41	0.79
1:B:18:GLU:O	1:C:236:GLN:CB[2_858]	1.41	0.79
1:B:22:ILE:CD1	1:C:233:TYR:CA[2_858]	1.41	0.79
1:B:26:LYS:N	1:C:231:GLU:CG[2_858]	1.41	0.79
1:B:47:VAL:C	1:E:343:LEU:CG[2_757]	1.41	0.79
1:B:63:GLU:O	1:E:397:PHE:CE1[2_757]	1.41	0.79
1:B:65:ILE:CG1	1:E:368:THR:CB[2_757]	1.41	0.79
1:B:83:ARG:NE	1:E:352:PRO:C[2_757]	1.41	0.79
1:B:101:ARG:O	1:E:402:GLU:CB[2_757]	1.41	0.79
1:B:103:ILE:O	1:E:399:ASP:N[2_757]	1.41	0.79
1:B:278:VAL:CA	1:E:2:PHE:CD1[2_757]	1.41	0.79
1:B:285:GLN:C	1:C:304:THR:OG1[2_858]	1.41	0.79
1:B:290:LEU:CB	1:C:301:ASP:N[2_858]	1.41	0.79
1:B:317:HIS:C	1:C:199:PHE:C[2_858]	1.41	0.79
1:B:324:GLY:C	1:C:247:HIS:O[2_858]	1.41	0.79
1:B:374:ILE:CB	1:C:138:ASP:CG[2_858]	1.41	0.79
1:B:374:ILE:N	1:C:138:ASP:CB[2_858]	1.41	0.79
1:B:375:MET:O	1:C:134:HIS:CA[2_858]	1.41	0.79
1:B:379:LEU:CD2	1:C:105:GLY:C[2_858]	1.41	0.79
1:B:398:LEU:CG	1:C:228:ILE:CB[2_858]	1.41	0.79
1:B:409:ILE:N	1:C:168:GLN:OE1[2_858]	1.41	0.79
1:C:157:TYR:CA	5:B:1205:HOH:O[2_858]	1.41	0.79
1:C:317:HIS:O	1:C:320:LYS:CA[2_958]	1.41	0.79
1:D:6:LYS:CD	1:E:311:HIS:CA[2_757]	1.41	0.79
1:D:7:VAL:N	5:E:1510:HOH:O[2_757]	1.41	0.79
1:D:23:ILE:CB	1:E:206:LYS:N[2_757]	1.41	0.79
1:D:26:LYS:CE	1:E:204:ASP:OD1[2_757]	1.41	0.79
1:D:27:ILE:CB	1:E:268:ILE:CD1[2_757]	1.41	0.79
1:D:34:PRO:O	1:E:297:LEU:N[2_757]	1.41	0.79
1:D:109:PHE:CD1	3:F:1601:NDP:C2B[2_757]	1.41	0.79
1:D:115:ILE:CB	1:E:230:GLN:CD[2_757]	1.41	0.79
1:D:186:ASN:O	1:F:389:SER:O[2_757]	1.41	0.79
1:D:188:ASP:C	1:F:375:MET:N[2_757]	1.41	0.79
1:D:191:ILE:O	1:F:376:THR:N[2_757]	1.41	0.79
1:D:206:LYS:CD	1:F:76:THR:C[2_757]	1.41	0.79
1:D:207:LEU:C	1:F:18:GLU:CG[2_757]	1.41	0.79

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:228:ILE:CA	1:F:396:GLU:C[2_757]	1.41	0.79
1:D:236:GLN:CB	1:F:335:ILE:CB[2_757]	1.41	0.79
1:D:246:ILE:CG1	1:F:17:ASP:O[2_757]	1.41	0.79
1:D:268:ILE:O	1:F:317:HIS:C[2_757]	1.41	0.79
1:D:297:LEU:O	1:E:262:LYS:CB[2_757]	1.41	0.79
1:D:332:ILE:CD1	1:E:233:TYR:CE1[2_757]	1.41	0.79
1:D:336:PHE:CB	1:E:210:PHE:CA[2_757]	1.41	0.79
1:D:345:ARG:NE	1:E:282:ILE:CG2[2_757]	1.41	0.79
1:D:351:THR:N	1:E:278:VAL:CG1[2_757]	1.41	0.79
1:D:358:ALA:O	1:E:271:LEU:N[2_757]	1.41	0.79
1:D:364:ALA:O	1:E:195:ALA:CA[2_757]	1.41	0.79
1:D:398:LEU:CD1	1:E:203:ILE:C[2_757]	1.41	0.79
1:E:243:GLN:CG	5:D:1411:HOH:O[2_757]	1.41	0.79
1:E:55:ASP:N	1:F:157:TYR:CZ[2_657]	1.41	0.79
1:E:82:ALA:C	1:F:227:ASP:CB[2_657]	1.41	0.79
1:E:84:VAL:C	1:F:224:ARG:O[2_657]	1.41	0.79
1:E:90:HIS:CA	1:E:180:VAL:C[2_657]	1.41	0.79
1:E:99:THR:CG2	1:F:166:GLN:CD[2_657]	1.41	0.79
1:A:17:ASP:OD2	1:A:153:LEU:CD2[2_757]	1.42	0.78
1:A:60:ASP:OD2	1:B:145:THR:N[2_757]	1.42	0.78
1:A:65:ILE:N	1:A:157:TYR:CZ[2_757]	1.42	0.78
1:A:68:TYR:N	1:A:165:ALA:CB[2_757]	1.42	0.78
1:A:101:ARG:CG	1:B:171:LYS:CG[2_757]	1.42	0.78
1:A:123:PRO:CA	1:C:13:GLU:N[2_858]	1.42	0.78
1:A:150:PRO:CB	1:A:322:GLN:OE1[2_757]	1.42	0.78
1:A:163:THR:N	1:A:345:ARG:CZ[2_757]	1.42	0.78
1:A:214:LYS:CD	1:E:4:LYS:N[2_757]	1.42	0.78
1:A:286:GLY:C	1:C:10:PRO:CG[2_858]	1.42	0.78
1:A:365:THR:OG1	1:F:59:GLN:NE2[2_657]	1.42	0.78
1:A:383:CYS:N	1:F:41:LYS:C[2_657]	1.42	0.78
1:A:384:GLY:O	1:F:40:LEU:CB[2_657]	1.42	0.78
1:A:388:ARG:NH2	1:F:305:PHE:CG[2_657]	1.42	0.78
1:A:390:ALA:N	1:F:72:ILE:CG1[2_657]	1.42	0.78
1:A:397:PHE:CD1	1:F:62:ALA:CA[2_657]	1.42	0.78
1:A:406:GLN:CG	1:F:141:LYS:CA[2_657]	1.42	0.78
1:B:170:LEU:CD2	4:A:1102:AKG:C5[2_757]	1.42	0.78
1:B:22:ILE:CG2	1:C:232:VAL:C[2_858]	1.42	0.78
1:B:23:ILE:N	1:C:232:VAL:CA[2_858]	1.42	0.78
1:B:47:VAL:C	1:E:343:LEU:CD2[2_757]	1.42	0.78
1:B:50:ARG:CZ	1:E:358:ALA:CB[2_757]	1.42	0.78
1:B:55:ASP:CG	1:E:338:TRP:C[2_757]	1.42	0.78

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:60:ASP:CG	1:E:332:ILE:C[2_757]	1.42	0.78
1:B:63:GLU:C	1:E:397:PHE:CE2[2_757]	1.42	0.78
1:B:65:ILE:CB	1:E:368:THR:CG2[2_757]	1.42	0.78
1:B:67:LYS:NZ	1:E:379:LEU:CA[2_757]	1.42	0.78
1:B:84:VAL:O	1:E:348:LEU:N[2_757]	1.42	0.78
1:B:319:ARG:CA	1:C:203:ILE:CB[2_858]	1.42	0.78
1:B:320:LYS:CG	1:C:202:ALA:CA[2_858]	1.42	0.78
1:B:325:GLU:CD	1:C:207:LEU:O[2_858]	1.42	0.78
1:B:360:ILE:O	1:D:147:ILE:CG2[2_858]	1.42	0.78
1:B:396:GLU:C	1:C:225:PHE:CG[2_858]	1.42	0.78
1:B:403:LYS:NZ	1:C:218:LEU:CB[2_858]	1.42	0.78
1:B:411:SER:N	1:C:168:GLN:O[2_858]	1.42	0.78
1:C:206:LYS:N	5:B:1208:HOH:O[2_858]	1.42	0.78
1:C:64:ALA:CB	5:B:1224:HOH:O[2_858]	1.42	0.78
1:C:314:VAL:C	1:C:323:LYS:CD[2_958]	1.42	0.78
1:C:317:HIS:C	1:C:320:LYS:CA[2_958]	1.42	0.78
1:D:10:PRO:CB	1:E:284:ALA:O[2_757]	1.42	0.78
1:D:24:TRP:CH2	1:E:266:GLY:C[2_757]	1.42	0.78
1:D:74:CYS:CB	1:E:127:LYS:CE[2_757]	1.42	0.78
1:D:199:PHE:CE1	1:F:23:ILE:CD1[2_757]	1.42	0.78
1:D:200:LYS:CA	1:F:311:HIS:CG[2_757]	1.42	0.78
1:D:201:LEU:CG	3:F:1601:NDP:O5B[2_757]	1.42	0.78
1:D:202:ALA:CA	1:F:313:THR:O[2_757]	1.42	0.78
1:D:202:ALA:CA	1:F:314:VAL:N[2_757]	1.42	0.78
1:D:205:LYS:C	3:F:1601:NDP:O4D[2_757]	1.42	0.78
1:D:228:ILE:O	1:F:398:LEU:N[2_757]	1.42	0.78
1:D:238:LYS:CG	1:F:25:ASP:N[2_757]	1.42	0.78
1:D:246:ILE:O	1:F:21:ARG:CG[2_757]	1.42	0.78
1:D:260:MET:CE	1:F:323:LYS:NZ[2_757]	1.42	0.78
1:D:328:SER:N	1:E:243:GLN:NE2[2_757]	1.42	0.78
1:D:354:LEU:O	1:E:276:GLY:CA[2_757]	1.42	0.78
1:D:356:LYS:CD	1:E:274:TYR:CB[2_757]	1.42	0.78
1:D:356:LYS:O	1:E:272:LYS:N[2_757]	1.42	0.78
1:D:365:THR:C	1:E:199:PHE:CZ[2_757]	1.42	0.78
1:D:403:LYS:CG	1:E:300:PRO:O[2_757]	1.42	0.78
1:E:51:ASP:C	1:E:175:TYR:CD2[2_657]	1.42	0.78
1:E:62:ALA:N	1:F:163:THR:CA[2_657]	1.42	0.78
1:E:90:HIS:N	1:E:180:VAL:CG2[2_657]	1.42	0.78
1:E:90:HIS:NE2	1:E:181:ALA:C[2_657]	1.42	0.78
1:A:9:GLN:CG	1:A:163:THR:O[2_757]	1.43	0.77
1:A:43:TYR:CD2	1:A:170:LEU:CD1[2_757]	1.43	0.77

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:65:ILE:CA	1:A:157:TYR:CE2[2_757]	1.43	0.77
1:A:66:LYS:C	1:B:149:GLY:O[2_757]	1.43	0.77
1:A:87:PHE:CD2	1:A:175:TYR:CG[2_757]	1.43	0.77
1:A:88:ASN:O	1:B:186:ASN:OD1[2_757]	1.43	0.77
1:A:101:ARG:NE	1:B:171:LYS:CG[2_757]	1.43	0.77
1:A:117:ARG:CG	1:F:44:ASP:CB[2_657]	1.43	0.77
1:A:124:ARG:NH1	1:C:306:GLU:CA[2_858]	1.43	0.77
1:A:160:SER:O	1:A:305:PHE:CD2[2_757]	1.43	0.77
1:A:210:PHE:C	1:C:350:ASN:OD1[2_858]	1.43	0.77
1:A:218:LEU:C	1:E:37:ASP:CB[2_757]	1.43	0.77
1:A:261:ILE:O	1:C:69:GLY:O[2_858]	1.43	0.77
1:A:315:THR:CB	1:B:165:ALA:CB[2_757]	1.43	0.77
1:A:369:VAL:O	1:F:45:LEU:CG[2_657]	1.43	0.77
1:A:371:GLN:N	1:F:50:ARG:CD[2_657]	1.43	0.77
1:A:382:ALA:N	1:F:41:LYS:CB[2_657]	1.43	0.77
1:A:387:GLU:CD	1:F:338:TRP:CZ3[2_657]	1.43	0.77
1:A:396:GLU:N	1:F:104:LEU:CB[2_657]	1.43	0.77
1:B:18:GLU:C	1:C:236:GLN:CB[2_858]	1.43	0.77
1:B:30:LYS:CB	5:C:1323:HOH:O[2_858]	1.43	0.77
1:B:40:LEU:O	1:E:116:PRO:CG[2_757]	1.43	0.77
1:B:41:LYS:N	1:E:370:GLN:NE2[2_757]	1.43	0.77
1:B:43:TYR:CD1	1:E:366:LEU:CD2[2_757]	1.43	0.77
1:B:63:GLU:OE2	1:E:331:SER:OG[2_757]	1.43	0.77
1:B:68:TYR:CE1	1:E:369:VAL:CG1[2_757]	1.43	0.77
1:B:83:ARG:CZ	1:E:352:PRO:CA[2_757]	1.43	0.77
1:B:83:ARG:NE	1:E:352:PRO:N[2_757]	1.43	0.77
1:B:85:LYS:CA	1:E:348:LEU:O[2_757]	1.43	0.77
1:B:89:LEU:O	1:E:348:LEU:CD1[2_757]	1.43	0.77
1:B:122:VAL:N	1:C:65:ILE:CA[2_858]	1.43	0.77
1:B:297:LEU:CG	1:E:403:LYS:CA[2_757]	1.43	0.77
1:B:306:GLU:OE2	1:E:404:ARG:O[2_757]	1.43	0.77
1:B:313:THR:OG1	1:E:356:LYS:CE[2_757]	1.43	0.77
1:B:314:VAL:CG1	1:C:200:LYS:CE[2_858]	1.43	0.77
1:B:317:HIS:CE1	1:C:197:SER:C[2_858]	1.43	0.77
1:B:320:LYS:N	1:C:203:ILE:CG1[2_858]	1.43	0.77
1:B:322:GLN:O	1:C:241:PHE:C[2_858]	1.43	0.77
1:B:356:LYS:CE	1:C:162:PRO:CG[2_858]	1.43	0.77
1:B:378:ASP:CA	1:C:107:THR:CA[2_858]	1.43	0.77
1:B:406:GLN:CA	1:D:145:THR:OG1[2_858]	1.43	0.77
1:D:11:VAL:N	1:E:283:VAL:O[2_757]	1.43	0.77
1:D:13:GLU:CG	1:E:128:PRO:N[2_757]	1.43	0.77

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:14:LEU:CD2	1:E:126:GLU:CA[2_757]	1.43	0.77
1:D:14:LEU:O	1:E:127:LYS:CD[2_757]	1.43	0.77
1:D:31:LEU:CA	1:E:109:PHE:CD1[2_757]	1.43	0.77
1:D:31:LEU:CA	1:E:109:PHE:CE1[2_757]	1.43	0.77
1:D:72:ILE:O	1:E:266:GLY:N[2_757]	1.43	0.77
1:D:118:ILE:CG1	1:E:234:GLU:CD[2_757]	1.43	0.77
1:D:192:GLU:OE2	1:F:369:VAL:CG2[2_757]	1.43	0.77
1:D:207:LEU:O	1:F:18:GLU:CB[2_757]	1.43	0.77
1:D:208:ASN:CB	1:F:318:TYR:CZ[2_757]	1.43	0.77
1:D:230:GLN:OE1	1:F:26:LYS:CE[2_757]	1.43	0.77
1:D:244:LEU:CA	1:F:16:GLY:CA[2_757]	1.43	0.77
1:D:256:MET:CA	1:F:323:LYS:CA[2_757]	1.43	0.77
1:D:271:LEU:CG	1:F:320:LYS:CD[2_757]	1.43	0.77
1:D:294:THR:OG1	1:E:251:ARG:NE[2_757]	1.43	0.77
1:D:296:ILE:CG1	1:E:259:GLN:C[2_757]	1.43	0.77
1:D:302:GLY:CA	1:F:284:ALA:O[2_757]	1.43	0.77
1:D:303:LYS:NZ	1:F:287:PHE:CD2[2_757]	1.43	0.77
1:D:341:GLY:N	1:E:269:MET:SD[2_757]	1.43	0.77
1:F:391:TYR:CZ	5:D:1406:HOH:O[2_757]	1.43	0.77
1:F:120:ARG:C	5:D:1450:HOH:O[2_757]	1.43	0.77
1:E:47:VAL:O	1:E:178:SER:CB[2_657]	1.43	0.77
1:E:52:ALA:CA	1:E:175:TYR:CG[2_657]	1.43	0.77
1:E:53:THR:CB	1:E:150:PRO:C[2_657]	1.43	0.77
1:E:61:ALA:CB	1:F:161:ASP:OD2[2_657]	1.43	0.77
1:A:10:PRO:C	1:A:166:GLN:CG[2_757]	1.44	0.76
1:A:11:VAL:CA	1:A:167:PRO:CD[2_757]	1.44	0.76
1:A:12:VAL:CA	1:A:167:PRO:O[2_757]	1.44	0.76
1:A:20:THR:OG1	1:B:158:LYS:CG[2_757]	1.44	0.76
1:A:43:TYR:CE2	1:B:145:THR:CB[2_757]	1.44	0.76
1:A:45:LEU:CD2	1:A:155:LEU:CG[2_757]	1.44	0.76
1:A:48:GLU:CD	1:A:173:TYR:CD2[2_757]	1.44	0.76
1:A:49:SER:OG	1:B:143:THR:OG1[2_757]	1.44	0.76
1:A:59:GLN:CD	1:A:185:TYR:CA[2_757]	1.44	0.76
1:A:148:PRO:C	1:A:319:ARG:NH2[2_757]	1.44	0.76
1:A:219:LYS:CA	1:E:37:ASP:O[2_757]	1.44	0.76
1:A:269:MET:CB	1:C:349:ASP:C[2_858]	1.44	0.76
1:A:287:PHE:O	1:C:39:ASP:OD1[2_858]	1.44	0.76
1:A:312:GLY:O	1:B:167:PRO:CB[2_757]	1.44	0.76
1:A:315:THR:N	1:B:166:GLN:N[2_757]	1.44	0.76
1:A:316:ARG:C	1:B:163:THR:N[2_757]	1.44	0.76
1:A:378:ASP:CA	1:F:68:TYR:CE1[2_657]	1.44	0.76

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:388:ARG:CZ	1:F:305:PHE:CB[2_657]	1.44	0.76
1:A:390:ALA:N	1:F:72:ILE:N[2_657]	1.44	0.76
1:A:396:GLU:OE1	1:F:297:LEU:O[2_657]	1.44	0.76
1:A:401:VAL:CG2	1:F:103:ILE:CG1[2_657]	1.44	0.76
1:B:11:VAL:C	1:E:371:GLN:N[2_757]	1.44	0.76
1:B:67:LYS:CD	1:E:375:MET:CB[2_757]	1.44	0.76
1:B:83:ARG:CG	1:E:351:THR:CA[2_757]	1.44	0.76
1:B:88:ASN:OD1	1:E:348:LEU:CD2[2_757]	1.44	0.76
1:B:118:ILE:O	1:C:99:THR:O[2_858]	1.44	0.76
1:B:119:PRO:N	1:C:100:ILE:CA[2_858]	1.44	0.76
1:B:121:LEU:CD1	1:C:304:THR:CG2[2_858]	1.44	0.76
1:B:123:PRO:O	1:C:60:ASP:C[2_858]	1.44	0.76
1:B:322:GLN:CG	1:C:241:PHE:N[2_858]	1.44	0.76
1:B:325:GLU:C	1:C:209:LEU:CA[2_858]	1.44	0.76
1:B:329:THR:CG2	1:C:196:HIS:N[2_858]	1.44	0.76
1:B:353:ALA:C	1:C:164:THR:N[2_858]	1.44	0.76
1:B:405:LEU:CB	1:D:146:LEU:CA[2_858]	1.44	0.76
1:C:317:HIS:ND1	1:C:325:GLU:CA[2_958]	1.44	0.76
1:D:8:LYS:CG	1:F:258:ALA:CA[2_757]	1.44	0.76
1:D:34:PRO:CA	1:E:296:ILE:C[2_757]	1.44	0.76
1:D:35:TYR:CE1	1:E:107:THR:O[2_757]	1.44	0.76
1:D:69:GLY:CA	1:E:122:VAL:CG2[2_757]	1.44	0.76
1:D:70:VAL:C	1:E:125:TRP:NE1[2_757]	1.44	0.76
1:D:71:GLY:N	1:E:125:TRP:CE2[2_757]	1.44	0.76
1:D:118:ILE:CB	1:E:234:GLU:CD[2_757]	1.44	0.76
1:D:136:HIS:CD2	1:F:385:ASN:C[2_757]	1.44	0.76
1:D:138:ASP:CG	1:F:388:ARG:CA[2_757]	1.44	0.76
1:D:185:TYR:CE1	1:F:387:GLU:OE1[2_757]	1.44	0.76
1:D:195:ALA:CB	1:F:376:THR:CG2[2_757]	1.44	0.76
1:D:197:SER:O	3:F:1601:NDP:C4A[2_757]	1.44	0.76
1:D:200:LYS:O	1:F:311:HIS:ND1[2_757]	1.44	0.76
1:D:212:SER:O	1:F:326:GLU:N[2_757]	1.44	0.76
1:D:231:GLU:CA	1:F:398:LEU:CB[2_757]	1.44	0.76
1:D:237:TYR:OH	1:F:333:ALA:N[2_757]	1.44	0.76
1:D:237:TYR:CE2	5:F:1604:HOH:O[2_757]	1.44	0.76
1:D:241:PHE:CE2	1:F:19:MET:C[2_757]	1.44	0.76
1:D:243:GLN:CG	1:F:14:LEU:O[2_757]	1.44	0.76
1:D:244:LEU:CD1	1:F:75:ALA:O[2_757]	1.44	0.76
1:D:248:TYR:OH	1:F:395:GLU:OE2[2_757]	1.44	0.76
1:D:252:LEU:O	1:F:324:GLY:O[2_757]	1.44	0.76
1:D:268:ILE:C	1:F:318:TYR:N[2_757]	1.44	0.76

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:298:VAL:CB	1:F:285:GLN:OE1[2_757]	1.44	0.76
1:D:301:ASP:OD1	1:F:288:GLY:CA[2_757]	1.44	0.76
1:D:333:ALA:C	1:E:208:ASN:CA[2_757]	1.44	0.76
1:D:334:SER:N	1:E:208:ASN:C[2_757]	1.44	0.76
1:D:344:LYS:CD	1:E:257:VAL:CA[2_757]	1.44	0.76
1:D:349:ASP:CA	1:F:257:VAL:CB[2_757]	1.44	0.76
1:D:357:PHE:CG	1:E:133:ARG:CA[2_757]	1.44	0.76
1:D:358:ALA:CA	1:E:271:LEU:CA[2_757]	1.44	0.76
1:D:362:GLU:OE1	1:E:211:LEU:O[2_757]	1.44	0.76
1:D:365:THR:C	1:E:199:PHE:CE2[2_757]	1.44	0.76
1:D:366:LEU:CA	1:E:229:PHE:O[2_757]	1.44	0.76
1:D:367:ASN:CG	1:E:228:ILE:CG2[2_757]	1.44	0.76
1:D:376:THR:O	1:E:239:SER:N[2_757]	1.44	0.76
1:D:401:VAL:C	1:E:196:HIS:O[2_757]	1.44	0.76
1:D:408:GLU:OE2	1:E:191:ILE:C[2_757]	1.44	0.76
1:F:121:LEU:N	5:D:1450:HOH:O[2_757]	1.44	0.76
1:E:62:ALA:CB	1:F:162:PRO:O[2_657]	1.44	0.76
1:E:84:VAL:CA	1:F:224:ARG:CA[2_657]	1.44	0.76
1:E:86:GLU:CB	1:F:228:ILE:CB[2_657]	1.44	0.76
1:A:9:GLN:C	1:A:166:GLN:NE2[2_757]	1.45	0.75
1:A:13:GLU:O	1:A:168:GLN:C[2_757]	1.45	0.75
1:A:46:SER:CA	1:A:153:LEU:CB[2_757]	1.45	0.75
1:A:53:THR:N	1:B:142:ALA:N[2_757]	1.45	0.75
1:A:54:SER:C	1:B:184:MET:CE[2_757]	1.45	0.75
1:A:60:ASP:CG	1:B:145:THR:N[2_757]	1.45	0.75
1:A:66:LYS:CA	1:B:149:GLY:C[2_757]	1.45	0.75
1:A:79:PRO:N	1:A:145:THR:CA[2_757]	1.45	0.75
1:A:104:LEU:CB	1:B:174:ASP:C[2_757]	1.45	0.75
1:A:263:SER:N	1:C:70:VAL:CG2[2_858]	1.45	0.75
1:A:268:ILE:C	1:C:351:THR:N[2_858]	1.45	0.75
1:A:287:PHE:CB	1:C:39:ASP:CB[2_858]	1.45	0.75
1:A:332:ILE:CA	1:F:63:GLU:CD[2_657]	1.45	0.75
1:B:25:ASP:O	1:C:231:GLU:OE1[2_858]	1.45	0.75
1:B:31:LEU:CG	1:C:224:ARG:NH2[2_858]	1.45	0.75
1:B:39:ASP:OD2	1:E:117:ARG:C[2_757]	1.45	0.75
1:B:50:ARG:NH1	1:E:358:ALA:CA[2_757]	1.45	0.75
1:B:50:ARG:NH1	1:E:358:ALA:N[2_757]	1.45	0.75
1:B:56:LYS:CA	1:E:336:PHE:C[2_757]	1.45	0.75
1:B:64:ALA:O	1:E:374:ILE:O[2_757]	1.45	0.75
1:B:83:ARG:CD	1:E:352:PRO:CA[2_757]	1.45	0.75
1:B:91:LYS:CD	1:E:11:VAL:CG1[2_757]	1.45	0.75

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:103:ILE:C	1:E:398:LEU:O[2_757]	1.45	0.75
1:B:305:PHE:O	1:E:372:ASP:OD2[2_757]	1.45	0.75
1:B:320:LYS:CB	1:C:202:ALA:CB[2_858]	1.45	0.75
1:B:323:LYS:CB	1:C:246:ILE:CB[2_858]	1.45	0.75
1:B:326:GLU:OE2	1:C:269:MET:CA[2_858]	1.45	0.75
1:B:360:ILE:CG1	1:C:157:TYR:OH[2_858]	1.45	0.75
1:B:360:ILE:CB	1:C:157:TYR:CZ[2_858]	1.45	0.75
1:B:370:GLN:O	1:C:141:LYS:N[2_858]	1.45	0.75
1:B:373:GLY:CA	1:C:137:GLY:O[2_858]	1.45	0.75
1:B:392:VAL:CA	1:C:271:LEU:O[2_858]	1.45	0.75
1:B:404:ARG:C	1:D:145:THR:O[2_858]	1.45	0.75
1:C:19:MET:CB	1:C:323:LYS:NZ[2_958]	1.45	0.75
1:C:317:HIS:ND1	1:C:325:GLU:CG[2_958]	1.45	0.75
1:C:319:ARG:N	1:C:319:ARG:CA[2_958]	1.45	0.75
1:D:2:PHE:CG	1:E:100:ILE:CG2[2_757]	1.45	0.75
1:D:25:ASP:C	1:E:205:LYS:CG[2_757]	1.45	0.75
1:D:33:LEU:CA	1:E:109:PHE:O[2_757]	1.45	0.75
1:D:35:TYR:CB	1:E:108:VAL:C[2_757]	1.45	0.75
1:D:109:PHE:CZ	3:F:1601:NDP:O2B[2_757]	1.45	0.75
1:D:197:SER:C	3:F:1601:NDP:C5A[2_757]	1.45	0.75
1:D:204:ASP:O	3:F:1601:NDP:C2N[2_757]	1.45	0.75
1:D:204:ASP:N	1:F:312:GLY:C[2_757]	1.45	0.75
1:D:205:LYS:O	3:F:1601:NDP:O3D[2_757]	1.45	0.75
1:D:207:LEU:CB	1:F:18:GLU:CD[2_757]	1.45	0.75
1:D:207:LEU:CA	1:F:18:GLU:CD[2_757]	1.45	0.75
1:D:231:GLU:OE1	1:F:401:VAL:N[2_757]	1.45	0.75
1:D:267:PHE:CE2	1:F:322:GLN:NE2[2_757]	1.45	0.75
1:D:269:MET:N	1:F:316:ARG:O[2_757]	1.45	0.75
1:D:311:HIS:CD2	1:E:247:HIS:ND1[2_757]	1.45	0.75
1:D:364:ALA:C	1:E:195:ALA:CB[2_757]	1.45	0.75
1:D:404:ARG:CA	1:E:193:GLY:CA[2_757]	1.45	0.75
1:D:411:SER:CA	1:E:136:HIS:CG[2_757]	1.45	0.75
1:E:50:ARG:O	1:E:147:ILE:CG2[2_657]	1.45	0.75
1:E:59:GLN:CG	1:F:167:PRO:N[2_657]	1.45	0.75
1:E:62:ALA:N	1:F:162:PRO:C[2_657]	1.45	0.75
1:A:13:GLU:C	1:A:168:GLN:O[2_757]	1.46	0.74
1:A:49:SER:CB	1:A:172:VAL:C[2_757]	1.46	0.74
1:A:50:ARG:C	1:B:184:MET:C[2_757]	1.46	0.74
1:A:52:ALA:CB	1:B:141:LYS:CB[2_757]	1.46	0.74
1:A:64:ALA:CB	1:A:168:GLN:NE2[2_757]	1.46	0.74
1:A:66:LYS:NZ	1:B:177:GLY:CA[2_757]	1.46	0.74

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:70:VAL:O	1:A:159:PRO:CD[2_757]	1.46	0.74
1:A:70:VAL:N	1:A:159:PRO:CB[2_757]	1.46	0.74
1:A:70:VAL:CG2	1:A:162:PRO:CG[2_757]	1.46	0.74
1:A:85:LYS:CA	1:B:188:ASP:CG[2_757]	1.46	0.74
1:A:87:PHE:C	1:B:187:THR:CB[2_757]	1.46	0.74
1:A:87:PHE:O	1:B:187:THR:CB[2_757]	1.46	0.74
1:A:89:LEU:CB	1:A:180:VAL:CG2[2_757]	1.46	0.74
1:A:90:HIS:CG	1:B:138:ASP:CG[2_757]	1.46	0.74
1:A:94:LYS:O	1:A:143:THR:C[2_757]	1.46	0.74
1:A:97:ASN:CA	1:B:171:LYS:C[2_757]	1.46	0.74
1:A:99:THR:O	1:B:173:TYR:CB[2_757]	1.46	0.74
1:A:103:ILE:N	1:B:173:TYR:CE1[2_757]	1.46	0.74
1:A:115:ILE:CG2	1:F:57:ILE:CG1[2_657]	1.46	0.74
1:A:123:PRO:CG	1:C:12:VAL:CG1[2_858]	1.46	0.74
1:A:125:TRP:CZ3	1:C:10:PRO:O[2_858]	1.46	0.74
1:A:150:PRO:C	1:A:318:TYR:CE2[2_757]	1.46	0.74
1:A:158:LYS:CD	1:A:307:SER:O[2_757]	1.46	0.74
1:A:160:SER:CA	1:A:305:PHE:N[2_757]	1.46	0.74
1:A:215:ASN:CB	1:E:6:LYS:CD[2_757]	1.46	0.74
1:A:219:LYS:NZ	1:E:7:VAL:CG2[2_757]	1.46	0.74
1:A:260:MET:CG	1:C:345:ARG:NH2[2_858]	1.46	0.74
1:A:260:MET:N	1:C:348:LEU:CD2[2_858]	1.46	0.74
1:A:267:PHE:C	1:C:351:THR:CA[2_858]	1.46	0.74
1:A:371:GLN:N	1:F:50:ARG:CG[2_657]	1.46	0.74
1:A:376:THR:OG1	1:F:64:ALA:CA[2_657]	1.46	0.74
1:A:389:SER:C	1:F:72:ILE:CA[2_657]	1.46	0.74
1:A:391:TYR:CZ	1:F:70:VAL:N[2_657]	1.46	0.74
1:B:17:ASP:CG	1:E:359:ASN:ND2[2_757]	1.46	0.74
1:B:25:ASP:C	1:C:231:GLU:OE1[2_858]	1.46	0.74
1:B:45:LEU:CD1	1:E:362:GLU:CA[2_757]	1.46	0.74
1:B:55:ASP:CB	1:E:339:SER:N[2_757]	1.46	0.74
1:B:59:GLN:NE2	1:E:27:ILE:CG1[2_757]	1.46	0.74
1:B:66:LYS:NZ	1:E:396:GLU:N[2_757]	1.46	0.74
1:B:71:GLY:C	1:E:404:ARG:NH1[2_757]	1.46	0.74
1:B:77:ILE:CA	1:E:356:LYS:CA[2_757]	1.46	0.74
1:B:93:TRP:CE2	1:E:342:LEU:N[2_757]	1.46	0.74
1:B:101:ARG:CD	1:E:35:TYR:OH[2_757]	1.46	0.74
1:B:310:ALA:N	1:E:410:LYS:O[2_757]	1.46	0.74
1:B:314:VAL:O	1:C:200:LYS:CG[2_858]	1.46	0.74
1:B:318:TYR:CD1	1:C:237:TYR:CA[2_858]	1.46	0.74
1:B:326:GLU:OE2	1:C:268:ILE:C[2_858]	1.46	0.74

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:352:PRO:CA	1:C:161:ASP:OD1[2_858]	1.46	0.74
1:B:359:ASN:ND2	1:C:160:SER:CB[2_858]	1.46	0.74
1:B:360:ILE:C	1:D:147:ILE:CG2[2_858]	1.46	0.74
1:B:365:THR:O	1:C:186:ASN:C[2_858]	1.46	0.74
1:B:365:THR:C	1:C:187:THR:N[2_858]	1.46	0.74
1:B:377:LYS:NZ	1:C:109:PHE:CB[2_858]	1.46	0.74
1:B:378:ASP:CB	1:C:107:THR:N[2_858]	1.46	0.74
1:B:383:CYS:CB	1:C:101:ARG:NE[2_858]	1.46	0.74
1:B:387:GLU:CB	1:C:280:SER:CB[2_858]	1.46	0.74
1:B:391:TYR:CG	1:C:132:GLY:C[2_858]	1.46	0.74
1:B:391:TYR:CE1	1:C:132:GLY:O[2_858]	1.46	0.74
1:B:398:LEU:O	1:C:224:ARG:CB[2_858]	1.46	0.74
1:B:401:VAL:O	1:D:180:VAL:CB[2_858]	1.46	0.74
1:B:407:LYS:N	1:D:145:THR:CA[2_858]	1.46	0.74
1:C:317:HIS:N	1:C:320:LYS:O[2_958]	1.46	0.74
1:D:9:GLN:OE1	1:E:285:GLN:CD[2_757]	1.46	0.74
1:D:11:VAL:CG2	1:E:283:VAL:CB[2_757]	1.46	0.74
1:D:37:ASP:CA	1:E:310:ALA:CB[2_757]	1.46	0.74
1:D:65:ILE:N	1:E:123:PRO:C[2_757]	1.46	0.74
1:D:65:ILE:CD1	1:E:124:ARG:C[2_757]	1.46	0.74
1:D:104:LEU:CD1	1:E:124:ARG:NE[2_757]	1.46	0.74
1:D:109:PHE:N	3:F:1601:NDP:O1X[2_757]	1.46	0.74
1:D:109:PHE:CZ	3:F:1601:NDP:C1B[2_757]	1.46	0.74
1:D:196:HIS:O	3:F:1601:NDP:N6A[2_757]	1.46	0.74
1:D:212:SER:O	1:F:326:GLU:CB[2_757]	1.46	0.74
1:D:241:PHE:CG	1:F:21:ARG:N[2_757]	1.46	0.74
1:D:242:GLU:CD	5:F:1636:HOH:O[2_757]	1.46	0.74
1:D:248:TYR:CB	1:F:22:ILE:CG2[2_757]	1.46	0.74
1:D:301:ASP:CG	1:F:287:PHE:O[2_757]	1.46	0.74
1:D:351:THR:O	1:E:278:VAL:CA[2_757]	1.46	0.74
1:D:354:LEU:O	1:E:275:ASP:C[2_757]	1.46	0.74
1:D:355:CYS:O	1:E:275:ASP:CB[2_757]	1.46	0.74
1:D:359:ASN:N	1:E:271:LEU:CA[2_757]	1.46	0.74
1:E:237:TYR:C	5:D:1420:HOH:O[2_757]	1.46	0.74
1:E:89:LEU:CD1	1:F:224:ARG:NE[2_657]	1.46	0.74
1:E:89:LEU:CD2	1:F:188:ASP:CG[2_657]	1.46	0.74
1:E:91:LYS:CG	1:E:145:THR:O[2_657]	1.46	0.74
1:E:93:TRP:NE1	1:E:147:ILE:N[2_657]	1.46	0.74
1:A:13:GLU:N	1:A:168:GLN:N[2_757]	1.47	0.73
1:A:45:LEU:CD1	1:A:155:LEU:CA[2_757]	1.47	0.73
1:A:57:ILE:N	1:B:182:MET:CB[2_757]	1.47	0.73

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:66:LYS:N	1:B:149:GLY:O[2_757]	1.47	0.73
1:A:68:TYR:CB	1:A:165:ALA:CA[2_757]	1.47	0.73
1:A:75:ALA:O	1:B:156:VAL:C[2_757]	1.47	0.73
1:A:79:PRO:C	1:A:145:THR:C[2_757]	1.47	0.73
1:A:111:GLU:CG	1:C:6:LYS:CG[2_858]	1.47	0.73
1:A:124:ARG:N	1:C:12:VAL:O[2_858]	1.47	0.73
1:A:161:ASP:CA	1:A:348:LEU:CD1[2_757]	1.47	0.73
1:A:246:ILE:CD1	1:C:356:LYS:NZ[2_858]	1.47	0.73
1:A:267:PHE:O	1:C:351:THR:OG1[2_858]	1.47	0.73
1:A:313:THR:C	1:B:167:PRO:CA[2_757]	1.47	0.73
1:A:326:GLU:N	1:F:303:LYS:CA[2_657]	1.47	0.73
1:A:378:ASP:N	1:F:68:TYR:CD1[2_657]	1.47	0.73
1:A:395:GLU:CB	1:F:104:LEU:O[2_657]	1.47	0.73
1:A:398:LEU:N	1:F:104:LEU:N[2_657]	1.47	0.73
1:A:399:ASP:N	1:F:103:ILE:N[2_657]	1.47	0.73
1:B:46:SER:CA	1:E:359:ASN:CG[2_757]	1.47	0.73
1:B:50:ARG:CZ	1:E:358:ALA:CA[2_757]	1.47	0.73
1:B:63:GLU:C	1:E:397:PHE:CE1[2_757]	1.47	0.73
1:B:84:VAL:C	1:E:348:LEU:C[2_757]	1.47	0.73
1:B:94:LYS:CB	1:E:32:ILE:CG2[2_757]	1.47	0.73
1:B:261:ILE:C	1:C:67:LYS:CD[2_858]	1.47	0.73
1:B:285:GLN:O	1:C:304:THR:CG2[2_858]	1.47	0.73
1:B:287:PHE:CG	1:C:66:LYS:CD[2_858]	1.47	0.73
1:B:308:GLU:CB	1:E:408:GLU:CA[2_757]	1.47	0.73
1:B:315:THR:OG1	1:E:356:LYS:NZ[2_757]	1.47	0.73
1:B:323:LYS:CB	1:C:246:ILE:CG1[2_858]	1.47	0.73
1:B:327:THR:N	1:C:209:LEU:CD1[2_858]	1.47	0.73
1:B:329:THR:C	1:C:194:PHE:C[2_858]	1.47	0.73
1:B:329:THR:CB	1:C:195:ALA:C[2_858]	1.47	0.73
1:B:360:ILE:CD1	1:C:157:TYR:CD2[2_858]	1.47	0.73
1:B:363:SER:CA	1:D:175:TYR:CD1[2_858]	1.47	0.73
1:B:368:THR:O	1:C:138:ASP:N[2_858]	1.47	0.73
1:B:386:ASN:OD1	1:C:295:SER:C[2_858]	1.47	0.73
1:B:390:ALA:CB	1:C:133:ARG:CD[2_858]	1.47	0.73
1:B:395:GLU:O	1:C:226:LYS:N[2_858]	1.47	0.73
1:C:178:SER:OG	1:F:372:ASP:C[2_757]	1.47	0.73
1:C:316:ARG:CG	1:C:322:GLN:C[2_958]	1.47	0.73
1:C:317:HIS:O	1:C:320:LYS:CB[2_958]	1.47	0.73
1:D:2:PHE:CE1	1:E:100:ILE:C[2_757]	1.47	0.73
1:D:68:TYR:CB	1:E:286:GLY:O[2_757]	1.47	0.73
1:D:118:ILE:N	1:E:234:GLU:CD[2_757]	1.47	0.73

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:186:ASN:OD1	1:F:391:TYR:N[2_757]	1.47	0.73
1:D:200:LYS:CA	1:F:311:HIS:CE1[2_757]	1.47	0.73
1:D:202:ALA:CB	1:F:313:THR:O[2_757]	1.47	0.73
1:D:233:TYR:CE1	1:F:23:ILE:C[2_757]	1.47	0.73
1:D:268:ILE:O	1:F:318:TYR:C[2_757]	1.47	0.73
1:D:269:MET:CG	1:F:319:ARG:C[2_757]	1.47	0.73
1:D:301:ASP:N	1:F:289:SER:N[2_757]	1.47	0.73
1:D:303:LYS:CG	1:F:286:GLY:O[2_757]	1.47	0.73
1:D:334:SER:CA	1:E:208:ASN:C[2_757]	1.47	0.73
1:D:357:PHE:CD1	1:E:133:ARG:N[2_757]	1.47	0.73
1:D:360:ILE:O	1:E:194:PHE:CD1[2_757]	1.47	0.73
1:D:367:ASN:CG	1:E:228:ILE:CB[2_757]	1.47	0.73
1:D:397:PHE:CG	1:E:237:TYR:CD2[2_757]	1.47	0.73
1:D:400:ALA:CB	1:E:237:TYR:OH[2_757]	1.47	0.73
1:D:408:GLU:CG	1:E:191:ILE:C[2_757]	1.47	0.73
1:F:316:ARG:NH2	5:D:1418:HOH:O[2_757]	1.47	0.73
1:E:53:THR:CG2	1:E:149:GLY:O[2_657]	1.47	0.73
1:A:13:GLU:N	1:A:168:GLN:CA[2_757]	1.48	0.72
1:A:46:SER:C	1:A:153:LEU:CD1[2_757]	1.48	0.72
1:A:53:THR:CB	1:B:142:ALA:C[2_757]	1.48	0.72
1:A:56:LYS:C	1:B:182:MET:CA[2_757]	1.48	0.72
1:A:99:THR:CB	1:B:172:VAL:CG1[2_757]	1.48	0.72
1:A:104:LEU:CD1	1:B:151:GLY:C[2_757]	1.48	0.72
1:A:115:ILE:CD1	1:F:60:ASP:OD2[2_657]	1.48	0.72
1:A:120:ARG:CD	1:C:40:LEU:CA[2_858]	1.48	0.72
1:A:208:ASN:O	1:C:352:PRO:N[2_858]	1.48	0.72
1:A:318:TYR:O	1:B:161:ASP:CA[2_757]	1.48	0.72
1:A:318:TYR:CZ	1:B:160:SER:OG[2_757]	1.48	0.72
1:A:380:ALA:CB	1:F:12:VAL:C[2_657]	1.48	0.72
1:A:391:TYR:CD2	1:F:70:VAL:C[2_657]	1.48	0.72
1:A:392:VAL:CG1	1:F:306:GLU:CG[2_657]	1.48	0.72
1:A:398:LEU:O	1:F:103:ILE:N[2_657]	1.48	0.72
1:A:400:ALA:C	1:F:99:THR:C[2_657]	1.48	0.72
1:B:170:LEU:CD2	4:A:1102:AKG:O4[2_757]	1.48	0.72
1:B:18:GLU:CA	1:C:236:GLN:CB[2_858]	1.48	0.72
1:B:47:VAL:CA	1:E:343:LEU:CG[2_757]	1.48	0.72
1:B:49:SER:O	1:E:340:ARG:NE[2_757]	1.48	0.72
1:B:50:ARG:O	1:E:340:ARG:N[2_757]	1.48	0.72
1:B:55:ASP:CB	1:E:338:TRP:O[2_757]	1.48	0.72
1:B:60:ASP:OD1	1:E:332:ILE:C[2_757]	1.48	0.72
1:B:63:GLU:CA	1:E:397:PHE:CZ[2_757]	1.48	0.72

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:63:GLU:CA	1:E:397:PHE:CD2[2_757]	1.48	0.72
1:B:73:LYS:N	1:E:408:GLU:OE2[2_757]	1.48	0.72
1:B:82:ALA:C	1:E:350:ASN:O[2_757]	1.48	0.72
1:B:93:TRP:CZ2	1:E:341:GLY:C[2_757]	1.48	0.72
1:B:99:THR:N	1:E:31:LEU:C[2_757]	1.48	0.72
1:B:115:ILE:CD1	1:C:136:HIS:CD2[2_858]	1.48	0.72
1:B:277:ASP:OD2	1:E:2:PHE:N[2_757]	1.48	0.72
1:B:322:GLN:OE1	1:C:240:LYS:N[2_858]	1.48	0.72
1:B:333:ALA:N	1:C:189:GLU:CG[2_858]	1.48	0.72
1:B:379:LEU:O	1:C:135:ALA:CB[2_858]	1.48	0.72
1:B:388:ARG:NE	1:C:269:MET:O[2_858]	1.48	0.72
1:B:389:SER:C	1:C:276:GLY:O[2_858]	1.48	0.72
1:D:31:LEU:CB	1:E:109:PHE:CE1[2_757]	1.48	0.72
1:D:85:LYS:CB	1:D:86:GLU:N[2_858]	1.48	0.72
1:D:134:HIS:CB	1:F:377:LYS:CG[2_757]	1.48	0.72
1:D:188:ASP:O	1:F:375:MET:CA[2_757]	1.48	0.72
1:D:195:ALA:C	1:F:329:THR:C[2_757]	1.48	0.72
1:D:199:PHE:CD1	1:F:23:ILE:CG1[2_757]	1.48	0.72
1:D:200:LYS:CD	1:F:290:LEU:O[2_757]	1.48	0.72
1:D:296:ILE:CD1	1:E:259:GLN:CB[2_757]	1.48	0.72
1:D:301:ASP:CA	1:F:288:GLY:N[2_757]	1.48	0.72
1:D:305:PHE:CB	1:E:261:ILE:N[2_757]	1.48	0.72
1:D:338:TRP:CB	1:E:268:ILE:CA[2_757]	1.48	0.72
1:D:342:LEU:CD1	1:E:131:ILE:CD1[2_757]	1.48	0.72
1:D:354:LEU:N	1:E:278:VAL:N[2_757]	1.48	0.72
1:D:356:LYS:CA	1:E:272:LYS:O[2_757]	1.48	0.72
1:D:370:GLN:CB	1:E:231:GLU:CA[2_757]	1.48	0.72
1:E:49:SER:O	1:E:150:PRO:N[2_657]	1.48	0.72
1:E:56:LYS:N	1:F:157:TYR:CZ[2_657]	1.48	0.72
1:E:81:GLU:CA	5:F:1630:HOH:O[2_657]	1.48	0.72
1:E:87:PHE:CB	1:F:188:ASP:CB[2_657]	1.48	0.72
1:E:90:HIS:NE2	1:E:181:ALA:CA[2_657]	1.48	0.72
1:A:46:SER:O	1:A:153:LEU:CD1[2_757]	1.49	0.71
1:A:46:SER:C	1:A:153:LEU:CG[2_757]	1.49	0.71
1:A:51:ASP:CB	1:B:185:TYR:N[2_757]	1.49	0.71
1:A:56:LYS:CD	1:A:218:LEU:CG[2_757]	1.49	0.71
1:A:83:ARG:C	1:A:179:GLY:O[2_757]	1.49	0.71
1:A:83:ARG:NH2	1:A:148:PRO:CD[2_757]	1.49	0.71
1:A:92:MET:CE	1:B:220:LYS:CA[2_757]	1.49	0.71
1:A:119:PRO:CB	1:C:42:TYR:CB[2_858]	1.49	0.71
1:A:123:PRO:N	1:C:12:VAL:C[2_858]	1.49	0.71

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:124:ARG:CB	1:C:71:GLY:C[2_858]	1.49	0.71
1:A:141:LYS:CD	1:A:141:LYS:CD[2_757]	1.49	0.71
1:A:160:SER:OG	1:A:304:THR:CA[2_757]	1.49	0.71
1:A:162:PRO:CA	1:A:345:ARG:NH1[2_757]	1.49	0.71
1:A:264:LYS:NZ	1:C:337:ALA:C[2_858]	1.49	0.71
1:A:318:TYR:C	1:B:161:ASP:N[2_757]	1.49	0.71
1:A:365:THR:CA	1:F:59:GLN:CG[2_657]	1.49	0.71
1:A:384:GLY:N	1:F:40:LEU:C[2_657]	1.49	0.71
1:A:387:GLU:OE1	1:F:338:TRP:CD2[2_657]	1.49	0.71
1:A:391:TYR:CD1	1:F:70:VAL:CA[2_657]	1.49	0.71
1:B:26:LYS:C	1:C:231:GLU:OE2[2_858]	1.49	0.71
1:B:50:ARG:O	1:E:340:ARG:CB[2_757]	1.49	0.71
1:B:56:LYS:CB	1:E:337:ALA:N[2_757]	1.49	0.71
1:B:67:LYS:NZ	1:E:379:LEU:CB[2_757]	1.49	0.71
1:B:68:TYR:N	1:E:374:ILE:CA[2_757]	1.49	0.71
1:B:73:LYS:CE	1:E:360:ILE:O[2_757]	1.49	0.71
1:B:101:ARG:C	1:E:402:GLU:CG[2_757]	1.49	0.71
1:B:135:ALA:CB	1:E:406:GLN:CD[2_757]	1.49	0.71
1:B:261:ILE:CA	1:C:67:LYS:CD[2_858]	1.49	0.71
1:B:323:LYS:C	1:C:246:ILE:CA[2_858]	1.49	0.71
1:B:329:THR:CB	1:C:196:HIS:CA[2_858]	1.49	0.71
1:B:332:ILE:CB	1:C:190:SER:N[2_858]	1.49	0.71
1:B:352:PRO:N	1:C:163:THR:OG1[2_858]	1.49	0.71
1:B:353:ALA:N	1:C:163:THR:CA[2_858]	1.49	0.71
1:B:357:PHE:CE1	1:D:148:PRO:CB[2_858]	1.49	0.71
1:B:361:LEU:CB	1:D:178:SER:CA[2_858]	1.49	0.71
1:B:362:GLU:CB	1:D:177:GLY:N[2_858]	1.49	0.71
1:B:368:THR:N	1:C:186:ASN:N[2_858]	1.49	0.71
1:B:373:GLY:N	1:C:139:GLN:N[2_858]	1.49	0.71
1:B:388:ARG:C	1:C:131:ILE:CG2[2_858]	1.49	0.71
1:B:390:ALA:CA	1:C:277:ASP:N[2_858]	1.49	0.71
1:B:405:LEU:CB	1:D:147:ILE:N[2_858]	1.49	0.71
1:C:317:HIS:CA	1:C:320:LYS:O[2_958]	1.49	0.71
1:C:319:ARG:CD	1:C:319:ARG:CD[2_958]	1.49	0.71
1:D:2:PHE:CG	1:E:100:ILE:CB[2_757]	1.49	0.71
1:D:2:PHE:CD1	1:E:100:ILE:C[2_757]	1.49	0.71
1:D:3:SER:O	1:E:101:ARG:CZ[2_757]	1.49	0.71
1:D:5:ILE:CA	1:E:110:ARG:NH1[2_757]	1.49	0.71
1:D:6:LYS:CE	1:E:312:GLY:N[2_757]	1.49	0.71
1:D:8:LYS:N	1:E:281:ASP:CB[2_757]	1.49	0.71
1:D:14:LEU:C	1:E:127:LYS:CB[2_757]	1.49	0.71

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:33:LEU:O	1:E:296:ILE:N[2_757]	1.49	0.71
1:D:35:TYR:CG	1:E:108:VAL:C[2_757]	1.49	0.71
1:D:37:ASP:OD2	1:E:311:HIS:N[2_757]	1.49	0.71
1:D:40:LEU:CB	1:E:112:PRO:C[2_757]	1.49	0.71
1:D:84:VAL:C	1:D:85:LYS:CA[2_858]	1.49	0.71
1:D:136:HIS:C	1:F:386:ASN:CA[2_757]	1.49	0.71
1:D:137:GLY:N	1:F:386:ASN:C[2_757]	1.49	0.71
1:D:138:ASP:CA	1:F:388:ARG:N[2_757]	1.49	0.71
1:D:189:GLU:C	1:F:375:MET:SD[2_757]	1.49	0.71
1:D:196:HIS:CD2	1:F:330:ASN:ND2[2_757]	1.49	0.71
1:D:197:SER:C	3:F:1601:NDP:C2A[2_757]	1.49	0.71
1:D:200:LYS:CB	1:F:311:HIS:CG[2_757]	1.49	0.71
1:D:206:LYS:CB	1:F:76:THR:C[2_757]	1.49	0.71
1:D:206:LYS:NZ	1:F:78:THR:OG1[2_757]	1.49	0.71
1:D:237:TYR:CZ	5:F:1604:HOH:O[2_757]	1.49	0.71
1:D:238:LYS:O	1:F:24:TRP:CD1[2_757]	1.49	0.71
1:D:241:PHE:CE2	1:F:20:THR:N[2_757]	1.49	0.71
1:D:306:GLU:C	1:E:263:SER:OG[2_757]	1.49	0.71
1:D:356:LYS:N	1:E:275:ASP:CA[2_757]	1.49	0.71
1:D:376:THR:CG2	1:E:240:LYS:CB[2_757]	1.49	0.71
1:D:376:THR:O	1:E:239:SER:CA[2_757]	1.49	0.71
1:D:376:THR:CG2	1:E:240:LYS:CA[2_757]	1.49	0.71
1:D:407:LYS:NZ	1:E:300:PRO:CA[2_757]	1.49	0.71
1:E:51:ASP:O	1:E:175:TYR:CE2[2_657]	1.49	0.71
1:E:52:ALA:CA	1:E:175:TYR:CB[2_657]	1.49	0.71
1:E:61:ALA:C	1:F:163:THR:N[2_657]	1.49	0.71
1:E:89:LEU:O	1:E:180:VAL:CG2[2_657]	1.49	0.71
1:E:90:HIS:CA	1:E:180:VAL:CA[2_657]	1.49	0.71
1:E:99:THR:CA	1:F:166:GLN:OE1[2_657]	1.49	0.71
1:A:13:GLU:C	1:A:169:THR:CA[2_757]	1.50	0.70
1:A:14:LEU:CB	1:A:156:VAL:N[2_757]	1.50	0.70
1:A:15:ASP:O	1:A:154:GLU:C[2_757]	1.50	0.70
1:A:17:ASP:O	1:B:158:LYS:CB[2_757]	1.50	0.70
1:A:43:TYR:C	1:A:170:LEU:N[2_757]	1.50	0.70
1:A:44:ASP:OD1	1:A:172:VAL:N[2_757]	1.50	0.70
1:A:50:ARG:O	1:B:184:MET:N[2_757]	1.50	0.70
1:A:54:SER:OG	1:B:139:GLN:N[2_757]	1.50	0.70
1:A:56:LYS:N	1:B:182:MET:CG[2_757]	1.50	0.70
1:A:67:LYS:CB	1:B:148:PRO:C[2_757]	1.50	0.70
1:A:69:GLY:C	1:A:159:PRO:CB[2_757]	1.50	0.70
1:A:77:ILE:CB	1:A:147:ILE:CD1[2_757]	1.50	0.70

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:80:ASP:O	1:A:146:LEU:CG[2_757]	1.50	0.70
1:A:91:LYS:O	1:B:221:TYR:CD2[2_757]	1.50	0.70
1:A:92:MET:SD	1:B:220:LYS:CA[2_757]	1.50	0.70
1:A:100:ILE:CG2	1:B:153:LEU:CA[2_757]	1.50	0.70
1:A:124:ARG:CG	1:C:71:GLY:O[2_858]	1.50	0.70
1:A:314:VAL:N	1:B:167:PRO:CA[2_757]	1.50	0.70
1:A:319:ARG:CG	1:B:164:THR:CB[2_757]	1.50	0.70
1:A:319:ARG:CB	1:B:164:THR:CB[2_757]	1.50	0.70
1:A:379:LEU:CB	1:F:43:TYR:CE1[2_657]	1.50	0.70
1:B:21:ARG:N	1:C:236:GLN:OE1[2_858]	1.50	0.70
1:B:39:ASP:CG	1:E:117:ARG:CA[2_757]	1.50	0.70
1:B:41:LYS:CE	1:E:118:ILE:N[2_757]	1.50	0.70
1:B:69:GLY:C	1:E:372:ASP:CB[2_757]	1.50	0.70
1:B:78:THR:O	1:E:354:LEU:N[2_757]	1.50	0.70
1:B:93:TRP:CD2	1:E:341:GLY:C[2_757]	1.50	0.70
1:B:118:ILE:CB	1:C:102:ASN:CA[2_858]	1.50	0.70
1:B:119:PRO:N	1:C:100:ILE:O[2_858]	1.50	0.70
1:B:123:PRO:CG	1:C:61:ALA:C[2_858]	1.50	0.70
1:B:135:ALA:CA	1:E:406:GLN:NE2[2_757]	1.50	0.70
1:B:323:LYS:CB	1:C:246:ILE:CG2[2_858]	1.50	0.70
1:B:326:GLU:CA	1:C:209:LEU:CB[2_858]	1.50	0.70
1:B:332:ILE:CG1	1:C:190:SER:N[2_858]	1.50	0.70
1:B:358:ALA:O	1:D:149:GLY:C[2_858]	1.50	0.70
1:B:366:LEU:O	1:C:185:TYR:CE1[2_858]	1.50	0.70
1:B:375:MET:C	1:C:134:HIS:CA[2_858]	1.50	0.70
1:B:380:ALA:CA	1:C:108:VAL:CG2[2_858]	1.50	0.70
1:B:382:ALA:CA	1:C:297:LEU:CD2[2_858]	1.50	0.70
1:B:406:GLN:O	1:D:145:THR:CB[2_858]	1.50	0.70
1:B:409:ILE:CB	1:C:168:GLN:OE1[2_858]	1.50	0.70
1:C:317:HIS:NE2	1:C:324:GLY:O[2_958]	1.50	0.70
1:D:11:VAL:O	1:E:287:PHE:CD1[2_757]	1.50	0.70
1:D:11:VAL:C	1:E:287:PHE:CE1[2_757]	1.50	0.70
1:D:14:LEU:C	1:E:127:LYS:CG[2_757]	1.50	0.70
1:D:14:LEU:N	1:E:127:LYS:N[2_757]	1.50	0.70
1:D:23:ILE:C	1:E:205:LYS:CA[2_757]	1.50	0.70
1:D:23:ILE:O	1:E:205:LYS:C[2_757]	1.50	0.70
1:D:33:LEU:O	1:E:295:SER:C[2_757]	1.50	0.70
1:D:85:LYS:CA	1:D:85:LYS:CA[2_858]	1.50	0.70
1:D:109:PHE:CB	3:F:1601:NDP:O3B[2_757]	1.50	0.70
1:D:127:LYS:CE	1:F:83:ARG:CD[2_757]	1.50	0.70
1:D:130:ILE:CG2	1:F:316:ARG:CB[2_757]	1.50	0.70

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:192:GLU:O	1:F:376:THR:OG1[2_757]	1.50	0.70
1:D:192:GLU:N	1:F:375:MET:CA[2_757]	1.50	0.70
1:D:208:ASN:C	1:F:318:TYR:CD1[2_757]	1.50	0.70
1:D:208:ASN:CA	1:F:18:GLU:CA[2_757]	1.50	0.70
1:D:224:ARG:O	1:F:396:GLU:CB[2_757]	1.50	0.70
1:D:231:GLU:C	1:F:398:LEU:CB[2_757]	1.50	0.70
1:D:232:VAL:CG1	1:F:331:SER:OG[2_757]	1.50	0.70
1:D:232:VAL:CB	1:F:331:SER:OG[2_757]	1.50	0.70
1:D:233:TYR:CD1	1:F:23:ILE:C[2_757]	1.50	0.70
1:D:301:ASP:OD2	1:F:287:PHE:O[2_757]	1.50	0.70
1:D:302:GLY:CA	1:F:285:GLN:CA[2_757]	1.50	0.70
1:D:327:THR:CA	1:E:243:GLN:NE2[2_757]	1.50	0.70
1:D:352:PRO:CG	1:E:274:TYR:CZ[2_757]	1.50	0.70
1:D:354:LEU:CB	1:E:279:GLN:N[2_757]	1.50	0.70
1:D:400:ALA:O	1:E:196:HIS:CB[2_757]	1.50	0.70
1:F:320:LYS:CB	5:D:1441:HOH:O[2_757]	1.50	0.70
1:E:89:LEU:C	1:E:180:VAL:CB[2_657]	1.50	0.70
1:A:2:PHE:CE2	1:E:170:LEU:CD1[2_657]	1.51	0.69
1:A:11:VAL:O	1:A:167:PRO:O[2_757]	1.51	0.69
1:A:19:MET:N	1:B:159:PRO:N[2_757]	1.51	0.69
1:A:48:GLU:C	1:B:185:TYR:CD2[2_757]	1.51	0.69
1:A:56:LYS:O	1:B:182:MET:CB[2_757]	1.51	0.69
1:A:60:ASP:N	1:B:181:ALA:CA[2_757]	1.51	0.69
1:A:71:GLY:N	1:A:159:PRO:N[2_757]	1.51	0.69
1:A:86:GLU:CG	1:A:178:SER:N[2_757]	1.51	0.69
1:A:96:PRO:CA	1:B:172:VAL:CG2[2_757]	1.51	0.69
1:A:122:VAL:C	1:C:12:VAL:CB[2_858]	1.51	0.69
1:A:216:THR:CG2	1:E:5:ILE:CG2[2_757]	1.51	0.69
1:A:269:MET:CG	1:C:349:ASP:CA[2_858]	1.51	0.69
1:A:315:THR:CA	1:B:165:ALA:C[2_757]	1.51	0.69
1:A:318:TYR:N	1:B:161:ASP:C[2_757]	1.51	0.69
1:A:326:GLU:C	1:F:303:LYS:C[2_657]	1.51	0.69
1:A:367:ASN:CG	1:F:55:ASP:CG[2_657]	1.51	0.69
1:A:397:PHE:N	1:F:104:LEU:CB[2_657]	1.51	0.69
1:A:398:LEU:O	1:F:102:ASN:O[2_657]	1.51	0.69
1:A:402:GLU:O	1:F:141:LYS:CE[2_657]	1.51	0.69
1:A:402:GLU:OE2	5:F:1640:HOH:O[2_657]	1.51	0.69
1:B:189:GLU:C	5:A:1129:HOH:O[2_757]	1.51	0.69
1:B:13:GLU:CA	1:E:367:ASN:OD1[2_757]	1.51	0.69
1:B:26:LYS:NZ	1:C:230:GLN:CB[2_858]	1.51	0.69
1:B:54:SER:CA	1:E:307:SER:OG[2_757]	1.51	0.69

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:55:ASP:OD2	1:E:338:TRP:CB[2_757]	1.51	0.69
1:B:57:ILE:O	1:E:336:PHE:CE1[2_757]	1.51	0.69
1:B:58:THR:CG2	1:E:361:LEU:CG[2_757]	1.51	0.69
1:B:67:LYS:CA	1:E:375:MET:CA[2_757]	1.51	0.69
1:B:80:ASP:CB	1:E:6:LYS:O[2_757]	1.51	0.69
1:B:81:GLU:CG	1:E:8:LYS:CB[2_757]	1.51	0.69
1:B:82:ALA:O	1:E:350:ASN:CB[2_757]	1.51	0.69
1:B:83:ARG:CA	1:E:351:THR:CA[2_757]	1.51	0.69
1:B:85:LYS:N	1:E:349:ASP:C[2_757]	1.51	0.69
1:B:96:PRO:N	1:E:357:PHE:CZ[2_757]	1.51	0.69
1:B:140:TYR:C	1:E:34:PRO:N[2_757]	1.51	0.69
1:B:219:LYS:CB	1:B:219:LYS:CB[2_757]	1.51	0.69
1:B:308:GLU:CG	1:E:407:LYS:C[2_757]	1.51	0.69
1:B:329:THR:OG1	1:C:196:HIS:CA[2_858]	1.51	0.69
1:B:330:ASN:CA	1:C:193:GLY:CA[2_858]	1.51	0.69
1:B:367:ASN:CB	1:C:185:TYR:CB[2_858]	1.51	0.69
1:B:376:THR:N	1:C:134:HIS:CB[2_858]	1.51	0.69
1:B:391:TYR:CZ	1:C:131:ILE:C[2_858]	1.51	0.69
1:B:404:ARG:NH2	1:C:184:MET:O[2_858]	1.51	0.69
1:C:317:HIS:ND1	1:C:325:GLU:CB[2_958]	1.51	0.69
1:C:388:ARG:CZ	1:C:391:TYR:CD1[2_958]	1.51	0.69
1:D:34:PRO:C	1:E:296:ILE:O[2_757]	1.51	0.69
1:D:35:TYR:CD1	1:E:108:VAL:C[2_757]	1.51	0.69
1:D:40:LEU:CB	1:E:112:PRO:CA[2_757]	1.51	0.69
1:D:113:ILE:CD1	1:E:249:GLU:CA[2_757]	1.51	0.69
1:D:136:HIS:C	1:F:385:ASN:O[2_757]	1.51	0.69
1:D:192:GLU:CG	1:F:374:ILE:O[2_757]	1.51	0.69
1:D:231:GLU:CG	1:F:398:LEU:C[2_757]	1.51	0.69
1:D:256:MET:CG	1:F:320:LYS:O[2_757]	1.51	0.69
1:D:301:ASP:CG	1:F:287:PHE:C[2_757]	1.51	0.69
1:D:302:GLY:C	1:F:284:ALA:C[2_757]	1.51	0.69
1:D:329:THR:CB	1:E:244:LEU:CG[2_757]	1.51	0.69
1:D:335:ILE:CG2	1:E:209:LEU:CD2[2_757]	1.51	0.69
1:D:348:LEU:N	1:F:282:ILE:CD1[2_757]	1.51	0.69
1:D:351:THR:O	1:E:278:VAL:CG2[2_757]	1.51	0.69
1:D:359:ASN:CA	5:E:1517:HOH:O[2_757]	1.51	0.69
1:D:366:LEU:CG	1:E:248:TYR:OH[2_757]	1.51	0.69
1:D:376:THR:O	1:E:239:SER:CB[2_757]	1.51	0.69
1:D:378:ASP:CB	1:E:242:GLU:CG[2_757]	1.51	0.69
1:D:379:LEU:CD1	1:E:238:LYS:CB[2_757]	1.51	0.69
1:D:397:PHE:CD1	1:E:237:TYR:CB[2_757]	1.51	0.69

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:405:LEU:CG	1:E:107:THR:OG1[2_757]	1.51	0.69
1:E:47:VAL:C	1:E:178:SER:N[2_657]	1.51	0.69
1:E:50:ARG:CA	1:E:149:GLY:N[2_657]	1.51	0.69
1:E:52:ALA:N	1:E:175:TYR:CD2[2_657]	1.51	0.69
1:E:57:ILE:N	1:F:159:PRO:CB[2_657]	1.51	0.69
1:A:3:SER:N	1:E:155:LEU:N[2_657]	1.52	0.68
1:A:16:GLY:N	1:A:154:GLU:CB[2_757]	1.52	0.68
1:A:18:GLU:O	1:B:158:LYS:O[2_757]	1.52	0.68
1:A:20:THR:CB	1:B:158:LYS:CG[2_757]	1.52	0.68
1:A:35:TYR:C	1:E:171:LYS:CD[2_657]	1.52	0.68
1:A:50:ARG:N	1:A:172:VAL:CG1[2_757]	1.52	0.68
1:A:63:GLU:OE2	1:A:186:ASN:O[2_757]	1.52	0.68
1:A:75:ALA:CA	1:B:156:VAL:CG1[2_757]	1.52	0.68
1:A:95:SER:N	1:A:143:THR:CA[2_757]	1.52	0.68
1:A:97:ASN:CA	1:B:172:VAL:N[2_757]	1.52	0.68
1:A:104:LEU:N	1:B:175:TYR:N[2_757]	1.52	0.68
1:A:120:ARG:N	1:C:41:LYS:C[2_858]	1.52	0.68
1:A:216:THR:C	1:E:5:ILE:O[2_757]	1.52	0.68
1:A:256:MET:CE	1:C:348:LEU:CA[2_858]	1.52	0.68
1:A:266:GLY:CA	1:C:354:LEU:CB[2_858]	1.52	0.68
1:A:318:TYR:CE1	1:B:160:SER:OG[2_757]	1.52	0.68
1:A:318:TYR:C	1:B:161:ASP:CA[2_757]	1.52	0.68
1:A:326:GLU:CB	1:F:303:LYS:C[2_657]	1.52	0.68
1:A:326:GLU:OE2	1:F:305:PHE:CE2[2_657]	1.52	0.68
1:A:367:ASN:OD1	1:F:55:ASP:N[2_657]	1.52	0.68
1:A:376:THR:CG2	1:F:66:LYS:N[2_657]	1.52	0.68
1:B:14:LEU:CD1	1:E:364:ALA:CA[2_757]	1.52	0.68
1:B:62:ALA:CA	1:E:401:VAL:CG2[2_757]	1.52	0.68
1:B:70:VAL:O	1:E:367:ASN:O[2_757]	1.52	0.68
1:B:82:ALA:O	1:E:350:ASN:C[2_757]	1.52	0.68
1:B:83:ARG:CB	1:E:351:THR:C[2_757]	1.52	0.68
1:B:87:PHE:CE1	5:E:1521:HOH:O[2_757]	1.52	0.68
1:B:95:SER:CA	1:E:357:PHE:CD2[2_757]	1.52	0.68
1:B:97:ASN:CB	1:E:409:ILE:CD1[2_757]	1.52	0.68
1:B:104:LEU:CD1	1:E:400:ALA:C[2_757]	1.52	0.68
1:B:119:PRO:CD	1:C:100:ILE:C[2_858]	1.52	0.68
1:B:140:TYR:CB	1:E:34:PRO:CB[2_757]	1.52	0.68
1:B:141:LYS:CE	1:E:29:LYS:C[2_757]	1.52	0.68
1:B:290:LEU:CD2	1:C:301:ASP:CB[2_858]	1.52	0.68
1:B:298:VAL:C	1:E:403:LYS:CD[2_757]	1.52	0.68
1:B:313:THR:OG1	1:E:356:LYS:NZ[2_757]	1.52	0.68

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:314:VAL:N	1:C:200:LYS:NZ[2_858]	1.52	0.68
1:B:321:TYR:CB	1:C:241:PHE:CE1[2_858]	1.52	0.68
1:B:323:LYS:C	1:C:246:ILE:C[2_858]	1.52	0.68
1:B:325:GLU:C	1:C:209:LEU:N[2_858]	1.52	0.68
1:B:332:ILE:CA	1:C:189:GLU:O[2_858]	1.52	0.68
1:B:373:GLY:N	1:C:138:ASP:CA[2_858]	1.52	0.68
1:B:394:THR:O	1:C:229:PHE:CD1[2_858]	1.52	0.68
1:B:397:PHE:CD2	1:C:191:ILE:CG1[2_858]	1.52	0.68
1:B:407:LYS:CE	1:D:144:ASP:CB[2_858]	1.52	0.68
1:B:409:ILE:CG1	1:C:168:GLN:NE2[2_858]	1.52	0.68
1:C:85:LYS:NZ	1:C:88:ASN:CB[2_958]	1.52	0.68
1:C:314:VAL:C	1:C:323:LYS:CB[2_958]	1.52	0.68
1:D:8:LYS:CE	1:F:255:ASP:O[2_757]	1.52	0.68
1:D:34:PRO:CA	1:E:296:ILE:CA[2_757]	1.52	0.68
1:D:36:LEU:N	1:E:110:ARG:CG[2_757]	1.52	0.68
1:D:37:ASP:OD1	1:E:310:ALA:N[2_757]	1.52	0.68
1:D:64:ALA:O	1:E:123:PRO:N[2_757]	1.52	0.68
1:D:104:LEU:CG	1:E:124:ARG:CD[2_757]	1.52	0.68
1:D:115:ILE:CG2	1:E:230:GLN:O[2_757]	1.52	0.68
1:D:191:ILE:CG1	1:F:392:VAL:N[2_757]	1.52	0.68
1:D:203:ILE:N	1:F:312:GLY:O[2_757]	1.52	0.68
1:D:209:LEU:CD2	1:F:19:MET:CE[2_757]	1.52	0.68
1:D:231:GLU:C	1:F:398:LEU:CA[2_757]	1.52	0.68
1:D:233:TYR:N	1:F:398:LEU:CG[2_757]	1.52	0.68
1:D:233:TYR:CD1	1:F:23:ILE:CB[2_757]	1.52	0.68
1:D:236:GLN:O	1:F:334:SER:O[2_757]	1.52	0.68
1:D:238:LYS:C	1:F:24:TRP:CA[2_757]	1.52	0.68
1:D:248:TYR:C	1:F:22:ILE:CD1[2_757]	1.52	0.68
1:D:272:LYS:CD	1:F:326:GLU:OE2[2_757]	1.52	0.68
1:D:300:PRO:O	1:F:289:SER:N[2_757]	1.52	0.68
1:D:303:LYS:CB	1:F:286:GLY:CA[2_757]	1.52	0.68
1:D:317:HIS:CG	1:E:243:GLN:O[2_757]	1.52	0.68
1:D:330:ASN:OD1	1:E:233:TYR:OH[2_757]	1.52	0.68
1:D:336:PHE:N	1:E:209:LEU:C[2_757]	1.52	0.68
1:D:338:TRP:CD2	1:E:130:ILE:N[2_757]	1.52	0.68
1:D:355:CYS:N	1:E:275:ASP:CA[2_757]	1.52	0.68
1:D:362:GLU:CG	1:E:211:LEU:N[2_757]	1.52	0.68
1:D:371:GLN:CD	1:E:231:GLU:OE1[2_757]	1.52	0.68
1:D:397:PHE:CE1	1:E:237:TYR:CD1[2_757]	1.52	0.68
1:D:400:ALA:N	1:E:200:LYS:CE[2_757]	1.52	0.68
1:F:316:ARG:CZ	5:D:1418:HOH:O[2_757]	1.52	0.68

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:238:LYS:N	5:D:1420:HOH:O[2_757]	1.52	0.68
1:E:59:GLN:CD	1:F:167:PRO:CG[2_657]	1.52	0.68
1:E:86:GLU:CB	1:F:228:ILE:CG2[2_657]	1.52	0.68
1:E:93:TRP:CE3	1:E:146:LEU:C[2_657]	1.52	0.68
1:A:10:PRO:N	1:A:166:GLN:CG[2_757]	1.53	0.67
1:A:43:TYR:CA	1:A:170:LEU:CD2[2_757]	1.53	0.67
1:A:48:GLU:OE2	1:A:174:ASP:C[2_757]	1.53	0.67
1:A:55:ASP:O	1:B:182:MET:O[2_757]	1.53	0.67
1:A:83:ARG:O	1:A:179:GLY:CA[2_757]	1.53	0.67
1:A:87:PHE:N	1:A:178:SER:C[2_757]	1.53	0.67
1:A:88:ASN:ND2	1:B:189:GLU:C[2_757]	1.53	0.67
1:A:88:ASN:C	1:B:187:THR:N[2_757]	1.53	0.67
1:A:94:LYS:C	1:A:143:THR:CA[2_757]	1.53	0.67
1:A:120:ARG:CG	1:C:40:LEU:C[2_858]	1.53	0.67
1:A:124:ARG:NH1	1:C:305:PHE:C[2_858]	1.53	0.67
1:A:214:LYS:CE	1:E:3:SER:CA[2_757]	1.53	0.67
1:A:263:SER:OG	1:C:345:ARG:N[2_858]	1.53	0.67
1:A:326:GLU:N	1:F:303:LYS:CB[2_657]	1.53	0.67
1:A:366:LEU:N	1:F:59:GLN:CG[2_657]	1.53	0.67
1:A:367:ASN:OD1	1:F:55:ASP:CB[2_657]	1.53	0.67
1:A:369:VAL:CG2	1:F:58:THR:O[2_657]	1.53	0.67
1:A:380:ALA:CB	1:F:12:VAL:N[2_657]	1.53	0.67
1:B:12:VAL:CG1	1:E:367:ASN:N[2_757]	1.53	0.67
1:B:17:ASP:O	1:C:236:GLN:CD[2_858]	1.53	0.67
1:B:26:LYS:CE	1:C:230:GLN:N[2_858]	1.53	0.67
1:B:60:ASP:CA	1:E:332:ILE:CB[2_757]	1.53	0.67
1:B:70:VAL:CB	1:E:372:ASP:CA[2_757]	1.53	0.67
1:B:95:SER:C	1:E:357:PHE:CE1[2_757]	1.53	0.67
1:B:101:ARG:O	1:E:402:GLU:CD[2_757]	1.53	0.67
1:B:122:VAL:C	1:C:63:GLU:C[2_858]	1.53	0.67
1:B:123:PRO:O	1:C:60:ASP:O[2_858]	1.53	0.67
1:B:261:ILE:C	1:C:67:LYS:NZ[2_858]	1.53	0.67
1:B:326:GLU:OE2	1:C:268:ILE:O[2_858]	1.53	0.67
1:B:377:LYS:CD	1:C:109:PHE:CG[2_858]	1.53	0.67
1:B:378:ASP:CG	1:C:106:GLY:CA[2_858]	1.53	0.67
1:B:388:ARG:CB	1:C:131:ILE:CB[2_858]	1.53	0.67
1:B:389:SER:C	1:C:276:GLY:CA[2_858]	1.53	0.67
1:B:391:TYR:CB	1:C:134:HIS:N[2_858]	1.53	0.67
1:B:391:TYR:O	1:C:271:LEU:CB[2_858]	1.53	0.67
1:B:397:PHE:CD2	1:C:191:ILE:CA[2_858]	1.53	0.67
1:C:316:ARG:O	1:C:320:LYS:C[2_958]	1.53	0.67

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:4:LYS:N	1:E:308:GLU:OE2[2_757]	1.53	0.67
1:D:7:VAL:CB	1:E:280:SER:C[2_757]	1.53	0.67
1:D:11:VAL:CB	1:E:283:VAL:CG1[2_757]	1.53	0.67
1:D:13:GLU:N	1:E:287:PHE:CE2[2_757]	1.53	0.67
1:D:34:PRO:N	1:E:296:ILE:CG2[2_757]	1.53	0.67
1:D:65:ILE:C	1:E:122:VAL:C[2_757]	1.53	0.67
1:D:68:TYR:CG	1:E:121:LEU:N[2_757]	1.53	0.67
1:D:69:GLY:N	1:E:122:VAL:CB[2_757]	1.53	0.67
1:D:74:CYS:SG	1:E:127:LYS:NZ[2_757]	1.53	0.67
1:D:85:LYS:N	1:D:85:LYS:N[2_858]	1.53	0.67
1:D:113:ILE:CB	1:E:249:GLU:CA[2_757]	1.53	0.67
1:D:225:PHE:C	1:F:393:THR:CB[2_757]	1.53	0.67
1:D:231:GLU:CD	1:F:399:ASP:C[2_757]	1.53	0.67
1:D:295:SER:N	1:E:251:ARG:NH2[2_757]	1.53	0.67
1:D:335:ILE:CG2	1:E:209:LEU:CG[2_757]	1.53	0.67
1:D:344:LYS:NZ	1:E:254:ASP:O[2_757]	1.53	0.67
1:D:350:ASN:CG	1:F:253:ILE:CD1[2_757]	1.53	0.67
1:D:367:ASN:CA	1:E:228:ILE:O[2_757]	1.53	0.67
1:D:378:ASP:CB	1:E:242:GLU:OE1[2_757]	1.53	0.67
1:D:378:ASP:CG	1:E:238:LYS:O[2_757]	1.53	0.67
1:D:399:ASP:O	1:E:200:LYS:CE[2_757]	1.53	0.67
1:D:404:ARG:O	1:E:193:GLY:CA[2_757]	1.53	0.67
1:D:409:ILE:CG2	1:E:135:ALA:N[2_757]	1.53	0.67
1:D:409:ILE:CG1	1:E:106:GLY:O[2_757]	1.53	0.67
1:E:245:GLY:C	3:D:1401:NDP:N6A[2_757]	1.53	0.67
1:E:50:ARG:CB	1:E:148:PRO:O[2_657]	1.53	0.67
1:E:85:LYS:CB	1:F:226:LYS:N[2_657]	1.53	0.67
1:E:93:TRP:CD2	1:E:146:LEU:O[2_657]	1.53	0.67
1:E:93:TRP:CD2	1:E:147:ILE:CA[2_657]	1.53	0.67
1:A:21:ARG:CB	1:A:152:SER:OG[2_757]	1.54	0.66
1:A:29:LYS:CD	1:E:176:LYS:CB[2_657]	1.54	0.66
1:A:34:PRO:C	1:E:173:TYR:CA[2_657]	1.54	0.66
1:A:34:PRO:C	1:E:173:TYR:O[2_657]	1.54	0.66
1:A:35:TYR:C	1:E:171:LYS:CG[2_657]	1.54	0.66
1:A:51:ASP:OD1	1:B:185:TYR:O[2_757]	1.54	0.66
1:A:52:ALA:C	1:B:142:ALA:N[2_757]	1.54	0.66
1:A:65:ILE:C	1:A:157:TYR:CZ[2_757]	1.54	0.66
1:A:70:VAL:CA	1:A:159:PRO:CG[2_757]	1.54	0.66
1:A:93:TRP:CD1	1:B:221:TYR:CE1[2_757]	1.54	0.66
1:A:97:ASN:ND2	1:B:170:LEU:C[2_757]	1.54	0.66
1:A:101:ARG:N	1:B:173:TYR:C[2_757]	1.54	0.66

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:259:GLN:C	1:C:348:LEU:CG[2_858]	1.54	0.66
1:A:288:GLY:N	1:C:39:ASP:CG[2_858]	1.54	0.66
1:A:365:THR:CB	1:F:59:GLN:OE1[2_657]	1.54	0.66
1:A:367:ASN:CB	1:F:55:ASP:CB[2_657]	1.54	0.66
1:A:372:ASP:CG	1:F:96:PRO:CB[2_657]	1.54	0.66
1:A:381:LEU:C	1:F:41:LYS:CA[2_657]	1.54	0.66
1:A:381:LEU:C	1:F:41:LYS:N[2_657]	1.54	0.66
1:A:396:GLU:CA	1:F:104:LEU:CB[2_657]	1.54	0.66
1:A:402:GLU:CA	1:F:102:ASN:CG[2_657]	1.54	0.66
1:B:26:LYS:C	1:C:231:GLU:OE1[2_858]	1.54	0.66
1:B:49:SER:OG	1:E:340:ARG:NH2[2_757]	1.54	0.66
1:B:72:ILE:CG1	1:E:371:GLN:NE2[2_757]	1.54	0.66
1:B:76:THR:C	1:E:356:LYS:O[2_757]	1.54	0.66
1:B:120:ARG:CD	1:C:103:ILE:CG2[2_858]	1.54	0.66
1:B:121:LEU:CB	1:C:65:ILE:CG2[2_858]	1.54	0.66
1:B:122:VAL:CG2	1:C:64:ALA:O[2_858]	1.54	0.66
1:B:291:GLY:N	1:C:300:PRO:CB[2_858]	1.54	0.66
1:B:298:VAL:CB	1:E:403:LYS:NZ[2_757]	1.54	0.66
1:B:298:VAL:C	1:E:403:LYS:CE[2_757]	1.54	0.66
1:B:325:GLU:CD	1:C:207:LEU:CA[2_858]	1.54	0.66
1:B:325:GLU:CD	1:C:207:LEU:C[2_858]	1.54	0.66
1:B:365:THR:CB	1:C:187:THR:CB[2_858]	1.54	0.66
1:B:366:LEU:C	1:C:185:TYR:CD1[2_858]	1.54	0.66
1:B:369:VAL:CB	1:C:137:GLY:N[2_858]	1.54	0.66
1:B:374:ILE:CG1	1:C:138:ASP:CG[2_858]	1.54	0.66
1:B:392:VAL:O	1:C:194:PHE:CE1[2_858]	1.54	0.66
1:B:392:VAL:CG1	1:C:272:LYS:CB[2_858]	1.54	0.66
1:B:397:PHE:CE2	1:C:191:ILE:N[2_858]	1.54	0.66
1:B:401:VAL:CA	1:D:180:VAL:CG1[2_858]	1.54	0.66
1:B:402:GLU:N	1:D:180:VAL:CG1[2_858]	1.54	0.66
1:B:408:GLU:OE1	1:D:153:LEU:CD2[2_858]	1.54	0.66
1:B:409:ILE:C	1:C:168:GLN:CD[2_858]	1.54	0.66
1:C:317:HIS:O	1:C:320:LYS:CG[2_958]	1.54	0.66
1:C:319:ARG:N	1:C:319:ARG:CB[2_958]	1.54	0.66
1:D:3:SER:O	1:E:101:ARG:NH2[2_757]	1.54	0.66
1:D:7:VAL:N	1:E:281:ASP:OD2[2_757]	1.54	0.66
1:D:10:PRO:O	1:E:286:GLY:CA[2_757]	1.54	0.66
1:D:13:GLU:CG	1:E:128:PRO:CD[2_757]	1.54	0.66
1:D:27:ILE:O	1:E:201:LEU:CD1[2_757]	1.54	0.66
1:D:40:LEU:CG	1:E:112:PRO:CA[2_757]	1.54	0.66
1:D:63:GLU:O	1:E:123:PRO:CG[2_757]	1.54	0.66

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:100:ILE:CG2	1:E:264:LYS:CE[2_757]	1.54	0.66
1:D:109:PHE:CD1	3:F:1601:NDP:O2B[2_757]	1.54	0.66
1:D:134:HIS:CA	1:F:377:LYS:CE[2_757]	1.54	0.66
1:D:136:HIS:CD2	1:F:385:ASN:CB[2_757]	1.54	0.66
1:D:136:HIS:NE2	1:F:385:ASN:CG[2_757]	1.54	0.66
1:D:136:HIS:CB	1:F:385:ASN:O[2_757]	1.54	0.66
1:D:195:ALA:N	1:F:376:THR:CB[2_757]	1.54	0.66
1:D:203:ILE:CB	1:F:75:ALA:CB[2_757]	1.54	0.66
1:D:225:PHE:CE2	1:F:391:TYR:CD1[2_757]	1.54	0.66
1:D:231:GLU:N	1:F:398:LEU:CA[2_757]	1.54	0.66
1:D:239:SER:CB	1:F:338:TRP:CE2[2_757]	1.54	0.66
1:D:243:GLN:N	1:F:15:ASP:CB[2_757]	1.54	0.66
1:D:303:LYS:NZ	1:F:287:PHE:CG[2_757]	1.54	0.66
1:D:304:THR:O	1:F:121:LEU:CD1[2_757]	1.54	0.66
1:D:305:PHE:C	1:E:262:LYS:N[2_757]	1.54	0.66
1:D:306:GLU:N	1:E:262:LYS:C[2_757]	1.54	0.66
1:D:336:PHE:N	1:E:210:PHE:N[2_757]	1.54	0.66
1:D:353:ALA:CB	1:E:277:ASP:CG[2_757]	1.54	0.66
1:D:360:ILE:CD1	5:E:1520:HOH:O[2_757]	1.54	0.66
1:D:367:ASN:N	1:E:229:PHE:CA[2_757]	1.54	0.66
1:D:374:ILE:CB	1:E:236:GLN:CD[2_757]	1.54	0.66
1:D:397:PHE:CE1	1:E:237:TYR:CB[2_757]	1.54	0.66
1:D:404:ARG:C	1:E:193:GLY:CA[2_757]	1.54	0.66
1:D:405:LEU:N	1:E:193:GLY:C[2_757]	1.54	0.66
1:E:242:GLU:O	3:D:1401:NDP:C2A[2_757]	1.54	0.66
1:E:93:TRP:CG	1:E:147:ILE:N[2_657]	1.54	0.66
1:A:17:ASP:CB	1:A:152:SER:O[2_757]	1.55	0.65
1:A:18:GLU:CG	1:B:157:TYR:CE1[2_757]	1.55	0.65
1:A:28:LYS:CA	1:E:176:LYS:NZ[2_657]	1.55	0.65
1:A:42:TYR:C	1:A:170:LEU:CD2[2_757]	1.55	0.65
1:A:68:TYR:O	1:A:165:ALA:O[2_757]	1.55	0.65
1:A:73:LYS:CE	1:B:154:GLU:C[2_757]	1.55	0.65
1:A:80:ASP:OD1	1:A:146:LEU:CB[2_757]	1.55	0.65
1:A:87:PHE:O	1:B:187:THR:CG2[2_757]	1.55	0.65
1:A:92:MET:N	1:B:221:TYR:CG[2_757]	1.55	0.65
1:A:98:GLY:C	1:B:172:VAL:O[2_757]	1.55	0.65
1:A:100:ILE:C	1:B:173:TYR:O[2_757]	1.55	0.65
1:A:207:LEU:CA	1:C:352:PRO:C[2_858]	1.55	0.65
1:A:218:LEU:O	1:E:37:ASP:OD2[2_757]	1.55	0.65
1:A:256:MET:SD	1:C:347:GLU:O[2_858]	1.55	0.65
1:A:318:TYR:N	1:B:162:PRO:CA[2_757]	1.55	0.65

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:326:GLU:C	1:F:303:LYS:CA[2_657]	1.55	0.65
1:A:327:THR:C	1:F:304:THR:OG1[2_657]	1.55	0.65
1:A:374:ILE:CG2	1:F:100:ILE:CB[2_657]	1.55	0.65
1:A:385:ASN:ND2	1:F:13:GLU:CB[2_657]	1.55	0.65
1:A:396:GLU:C	1:F:104:LEU:CB[2_657]	1.55	0.65
1:A:400:ALA:C	1:F:99:THR:O[2_657]	1.55	0.65
1:B:10:PRO:CG	1:E:117:ARG:CD[2_757]	1.55	0.65
1:B:11:VAL:CA	1:E:371:GLN:N[2_757]	1.55	0.65
1:B:11:VAL:CG1	1:E:371:GLN:OE1[2_757]	1.55	0.65
1:B:12:VAL:O	1:E:367:ASN:CA[2_757]	1.55	0.65
1:B:14:LEU:CD1	1:E:364:ALA:C[2_757]	1.55	0.65
1:B:18:GLU:OE2	1:C:240:LYS:CE[2_858]	1.55	0.65
1:B:55:ASP:CA	1:E:338:TRP:C[2_757]	1.55	0.65
1:B:63:GLU:N	1:E:397:PHE:CE2[2_757]	1.55	0.65
1:B:68:TYR:N	1:E:374:ILE:O[2_757]	1.55	0.65
1:B:73:LYS:CA	1:E:408:GLU:CD[2_757]	1.55	0.65
1:B:83:ARG:CB	1:E:351:THR:CB[2_757]	1.55	0.65
1:B:95:SER:OG	1:E:357:PHE:CE1[2_757]	1.55	0.65
1:B:124:ARG:CG	5:C:1340:HOH:O[2_858]	1.55	0.65
1:B:284:ALA:CB	1:C:301:ASP:OD2[2_858]	1.55	0.65
1:B:306:GLU:CG	1:E:404:ARG:CB[2_757]	1.55	0.65
1:B:319:ARG:C	1:C:203:ILE:CB[2_858]	1.55	0.65
1:B:322:GLN:CB	1:C:240:LYS:C[2_858]	1.55	0.65
1:B:324:GLY:CA	1:C:247:HIS:C[2_858]	1.55	0.65
1:B:326:GLU:CG	1:C:268:ILE:O[2_858]	1.55	0.65
1:B:352:PRO:C	1:C:163:THR:N[2_858]	1.55	0.65
1:B:376:THR:CG2	1:C:194:PHE:CD1[2_858]	1.55	0.65
1:B:378:ASP:N	1:C:107:THR:N[2_858]	1.55	0.65
1:B:379:LEU:N	1:C:106:GLY:C[2_858]	1.55	0.65
1:B:391:TYR:CD2	1:C:133:ARG:CA[2_858]	1.55	0.65
1:B:396:GLU:CD	1:C:212:SER:O[2_858]	1.55	0.65
1:B:399:ASP:N	1:C:225:PHE:CA[2_858]	1.55	0.65
1:B:405:LEU:CB	1:D:146:LEU:C[2_858]	1.55	0.65
1:C:85:LYS:CE	1:C:88:ASN:N[2_958]	1.55	0.65
1:D:10:PRO:CD	1:E:285:GLN:CA[2_757]	1.55	0.65
1:D:11:VAL:CG2	1:E:283:VAL:CA[2_757]	1.55	0.65
1:D:25:ASP:O	1:E:205:LYS:CD[2_757]	1.55	0.65
1:D:30:LYS:O	1:E:109:PHE:CE2[2_757]	1.55	0.65
1:D:42:TYR:N	1:E:114:VAL:CB[2_757]	1.55	0.65
1:D:66:LYS:O	1:F:121:LEU:O[2_757]	1.55	0.65
1:D:118:ILE:CA	1:E:234:GLU:CD[2_757]	1.55	0.65

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:130:ILE:O	1:F:316:ARG:C[2_757]	1.55	0.65
1:D:196:HIS:C	1:F:330:ASN:CB[2_757]	1.55	0.65
1:D:207:LEU:CA	1:F:18:GLU:CG[2_757]	1.55	0.65
1:D:207:LEU:CG	1:F:18:GLU:OE1[2_757]	1.55	0.65
1:D:208:ASN:CB	1:F:318:TYR:CE1[2_757]	1.55	0.65
1:D:230:GLN:C	1:F:398:LEU:CB[2_757]	1.55	0.65
1:D:242:GLU:C	1:F:15:ASP:CA[2_757]	1.55	0.65
1:D:243:GLN:CA	1:F:14:LEU:C[2_757]	1.55	0.65
1:D:248:TYR:CG	1:F:22:ILE:CG2[2_757]	1.55	0.65
1:D:266:GLY:C	1:F:319:ARG:NH1[2_757]	1.55	0.65
1:D:334:SER:OG	1:E:208:ASN:N[2_757]	1.55	0.65
1:D:357:PHE:CG	1:E:133:ARG:CB[2_757]	1.55	0.65
1:D:358:ALA:C	1:E:271:LEU:N[2_757]	1.55	0.65
1:D:362:GLU:CB	1:E:211:LEU:CA[2_757]	1.55	0.65
1:D:369:VAL:CA	1:E:232:VAL:O[2_757]	1.55	0.65
1:D:378:ASP:CG	1:E:242:GLU:CG[2_757]	1.55	0.65
1:D:398:LEU:CB	1:E:200:LYS:C[2_757]	1.55	0.65
1:D:407:LYS:CE	1:E:300:PRO:CB[2_757]	1.55	0.65
1:D:408:GLU:N	1:E:190:SER:O[2_757]	1.55	0.65
1:E:50:ARG:CD	1:E:148:PRO:O[2_657]	1.55	0.65
1:E:53:THR:CG2	1:E:150:PRO:O[2_657]	1.55	0.65
1:E:92:MET:N	1:E:146:LEU:CG[2_657]	1.55	0.65
1:A:2:PHE:CG	1:E:155:LEU:CG[2_657]	1.56	0.64
1:A:36:LEU:N	1:E:174:ASP:OD1[2_657]	1.56	0.64
1:A:48:GLU:CB	1:A:173:TYR:CB[2_757]	1.56	0.64
1:A:51:ASP:CB	1:B:185:TYR:O[2_757]	1.56	0.64
1:A:52:ALA:CB	1:B:141:LYS:O[2_757]	1.56	0.64
1:A:54:SER:CA	1:B:184:MET:CE[2_757]	1.56	0.64
1:A:56:LYS:CA	1:B:182:MET:SD[2_757]	1.56	0.64
1:A:60:ASP:CB	1:B:145:THR:N[2_757]	1.56	0.64
1:A:60:ASP:N	1:B:181:ALA:N[2_757]	1.56	0.64
1:A:63:GLU:O	1:B:147:ILE:CA[2_757]	1.56	0.64
1:A:64:ALA:N	1:B:147:ILE:CB[2_757]	1.56	0.64
1:A:71:GLY:C	1:A:158:LYS:CB[2_757]	1.56	0.64
1:A:85:LYS:O	1:B:188:ASP:CA[2_757]	1.56	0.64
1:A:86:GLU:CA	1:A:178:SER:C[2_757]	1.56	0.64
1:A:89:LEU:CD2	1:B:186:ASN:O[2_757]	1.56	0.64
1:A:94:LYS:C	1:A:144:ASP:N[2_757]	1.56	0.64
1:A:100:ILE:N	1:B:172:VAL:C[2_757]	1.56	0.64
1:A:100:ILE:C	1:B:173:TYR:N[2_757]	1.56	0.64
1:A:104:LEU:CG	1:B:151:GLY:O[2_757]	1.56	0.64

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:105:GLY:N	1:B:174:ASP:O[2_757]	1.56	0.64
1:A:111:GLU:OE1	1:C:6:LYS:N[2_858]	1.56	0.64
1:A:118:ILE:CD1	1:F:43:TYR:CD2[2_657]	1.56	0.64
1:A:215:ASN:CG	1:E:6:LYS:CG[2_757]	1.56	0.64
1:A:216:THR:N	1:E:5:ILE:C[2_757]	1.56	0.64
1:A:256:MET:CE	1:C:347:GLU:O[2_858]	1.56	0.64
1:A:266:GLY:CA	1:C:354:LEU:CD2[2_858]	1.56	0.64
1:A:269:MET:CE	1:C:348:LEU:O[2_858]	1.56	0.64
1:A:269:MET:CG	1:C:350:ASN:N[2_858]	1.56	0.64
1:A:287:PHE:O	1:C:39:ASP:CG[2_858]	1.56	0.64
1:A:328:SER:CB	1:F:65:ILE:O[2_657]	1.56	0.64
1:A:369:VAL:C	1:F:45:LEU:CD2[2_657]	1.56	0.64
1:A:376:THR:N	1:F:61:ALA:O[2_657]	1.56	0.64
1:A:381:LEU:CD1	1:F:10:PRO:CA[2_657]	1.56	0.64
1:A:383:CYS:SG	1:F:42:TYR:CA[2_657]	1.56	0.64
1:A:384:GLY:O	1:F:40:LEU:CD1[2_657]	1.56	0.64
1:A:385:ASN:ND2	1:F:13:GLU:CD[2_657]	1.56	0.64
1:B:12:VAL:O	1:E:367:ASN:CB[2_757]	1.56	0.64
1:B:14:LEU:CD1	1:E:365:THR:N[2_757]	1.56	0.64
1:B:39:ASP:OD1	1:E:116:PRO:C[2_757]	1.56	0.64
1:B:55:ASP:CG	1:E:339:SER:N[2_757]	1.56	0.64
1:B:56:LYS:N	1:E:336:PHE:O[2_757]	1.56	0.64
1:B:59:GLN:O	1:E:335:ILE:CD1[2_757]	1.56	0.64
1:B:65:ILE:CD1	1:E:368:THR:OG1[2_757]	1.56	0.64
1:B:67:LYS:CA	1:E:374:ILE:C[2_757]	1.56	0.64
1:B:67:LYS:CG	1:E:375:MET:CG[2_757]	1.56	0.64
1:B:76:THR:OG1	1:E:360:ILE:CB[2_757]	1.56	0.64
1:B:87:PHE:CD2	5:E:1521:HOH:O[2_757]	1.56	0.64
1:B:119:PRO:CB	1:C:100:ILE:CA[2_858]	1.56	0.64
1:B:285:GLN:CG	1:C:304:THR:CA[2_858]	1.56	0.64
1:B:327:THR:N	1:C:209:LEU:CD2[2_858]	1.56	0.64
1:B:351:THR:C	1:C:163:THR:CB[2_858]	1.56	0.64
1:B:353:ALA:CA	1:C:162:PRO:C[2_858]	1.56	0.64
1:B:353:ALA:N	1:C:162:PRO:C[2_858]	1.56	0.64
1:B:354:LEU:C	1:C:164:THR:CB[2_858]	1.56	0.64
1:B:361:LEU:CD1	1:D:178:SER:OG[2_858]	1.56	0.64
1:B:377:LYS:NZ	1:C:109:PHE:CG[2_858]	1.56	0.64
1:B:383:CYS:CA	1:C:101:ARG:NE[2_858]	1.56	0.64
1:B:397:PHE:CD2	1:C:191:ILE:CB[2_858]	1.56	0.64
1:B:399:ASP:OD2	1:C:226:LYS:N[2_858]	1.56	0.64
1:B:403:LYS:N	1:C:220:LYS:O[2_858]	1.56	0.64

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:404:ARG:C	1:D:181:ALA:N[2_858]	1.56	0.64
1:B:405:LEU:C	1:D:145:THR:C[2_858]	1.56	0.64
1:C:320:LYS:N	1:C:320:LYS:N[2_958]	1.56	0.64
1:D:11:VAL:CG1	1:E:287:PHE:CE1[2_757]	1.56	0.64
1:D:23:ILE:C	1:E:205:LYS:O[2_757]	1.56	0.64
1:D:35:TYR:CD2	1:E:108:VAL:CA[2_757]	1.56	0.64
1:D:68:TYR:CA	1:E:122:VAL:N[2_757]	1.56	0.64
1:D:71:GLY:CA	1:E:125:TRP:CD1[2_757]	1.56	0.64
1:D:100:ILE:CB	1:E:264:LYS:NZ[2_757]	1.56	0.64
1:D:100:ILE:CD1	1:E:264:LYS:CD[2_757]	1.56	0.64
1:D:130:ILE:CG2	1:F:316:ARG:CD[2_757]	1.56	0.64
1:D:203:ILE:CG2	1:F:75:ALA:CB[2_757]	1.56	0.64
1:D:230:GLN:N	1:F:395:GLU:CA[2_757]	1.56	0.64
1:D:231:GLU:OE1	1:F:400:ALA:N[2_757]	1.56	0.64
1:D:233:TYR:N	1:F:398:LEU:CD2[2_757]	1.56	0.64
1:D:238:LYS:C	1:F:24:TRP:C[2_757]	1.56	0.64
1:D:300:PRO:C	1:F:288:GLY:C[2_757]	1.56	0.64
1:D:305:PHE:CD1	1:E:258:ALA:C[2_757]	1.56	0.64
1:D:311:HIS:ND1	1:E:245:GLY:O[2_757]	1.56	0.64
1:D:339:SER:N	1:E:269:MET:N[2_757]	1.56	0.64
1:D:341:GLY:C	1:E:260:MET:SD[2_757]	1.56	0.64
1:D:345:ARG:N	1:E:260:MET:CE[2_757]	1.56	0.64
1:D:353:ALA:O	1:E:277:ASP:N[2_757]	1.56	0.64
1:D:356:LYS:O	1:E:272:LYS:O[2_757]	1.56	0.64
1:D:398:LEU:CG	1:E:200:LYS:O[2_757]	1.56	0.64
1:D:402:GLU:C	1:E:197:SER:OG[2_757]	1.56	0.64
1:D:409:ILE:C	1:E:136:HIS:CA[2_757]	1.56	0.64
1:E:90:HIS:CE1	1:E:181:ALA:CA[2_657]	1.56	0.64
1:E:90:HIS:ND1	1:E:181:ALA:C[2_657]	1.56	0.64
1:E:93:TRP:CE2	1:E:147:ILE:CA[2_657]	1.56	0.64
1:A:12:VAL:CA	1:A:167:PRO:CA[2_757]	1.57	0.63
1:A:18:GLU:CB	1:B:159:PRO:CA[2_757]	1.57	0.63
1:A:28:LYS:CG	1:E:176:LYS:CD[2_657]	1.57	0.63
1:A:30:LYS:CB	5:E:1529:HOH:O[2_657]	1.57	0.63
1:A:43:TYR:O	1:A:170:LEU:CA[2_757]	1.57	0.63
1:A:43:TYR:N	1:A:170:LEU:CD2[2_757]	1.57	0.63
1:A:44:ASP:CA	1:A:170:LEU:O[2_757]	1.57	0.63
1:A:54:SER:O	1:B:184:MET:CE[2_757]	1.57	0.63
1:A:62:ALA:CB	1:B:175:TYR:CE1[2_757]	1.57	0.63
1:A:91:LYS:O	1:B:221:TYR:CD1[2_757]	1.57	0.63
1:A:117:ARG:CG	1:F:44:ASP:C[2_657]	1.57	0.63

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:207:LEU:C	1:C:352:PRO:C[2_858]	1.57	0.63
1:A:216:THR:CG2	1:E:5:ILE:CA[2_757]	1.57	0.63
1:A:246:ILE:CG2	1:C:356:LYS:CE[2_858]	1.57	0.63
1:A:313:THR:O	1:B:159:PRO:CD[2_757]	1.57	0.63
1:A:326:GLU:C	1:F:303:LYS:O[2_657]	1.57	0.63
1:A:372:ASP:CB	1:F:96:PRO:CA[2_657]	1.57	0.63
1:A:392:VAL:N	1:F:65:ILE:CG2[2_657]	1.57	0.63
1:B:18:GLU:N	1:C:236:GLN:CB[2_858]	1.57	0.63
1:B:23:ILE:CG1	1:C:232:VAL:CG2[2_858]	1.57	0.63
1:B:47:VAL:CG1	1:E:355:CYS:CB[2_757]	1.57	0.63
1:B:49:SER:C	1:E:340:ARG:NE[2_757]	1.57	0.63
1:B:50:ARG:CB	1:E:339:SER:O[2_757]	1.57	0.63
1:B:70:VAL:C	1:E:372:ASP:CG[2_757]	1.57	0.63
1:B:82:ALA:O	1:E:350:ASN:N[2_757]	1.57	0.63
1:B:118:ILE:N	1:C:102:ASN:N[2_858]	1.57	0.63
1:B:125:TRP:N	1:C:63:GLU:CB[2_858]	1.57	0.63
1:B:216:THR:CA	1:B:220:LYS:NZ[2_757]	1.57	0.63
1:B:290:LEU:CG	1:C:301:ASP:C[2_858]	1.57	0.63
1:B:308:GLU:CD	1:E:407:LYS:O[2_757]	1.57	0.63
1:B:316:ARG:O	1:C:200:LYS:C[2_858]	1.57	0.63
1:B:317:HIS:CE1	1:C:197:SER:O[2_858]	1.57	0.63
1:B:321:TYR:CZ	1:C:233:TYR:CE1[2_858]	1.57	0.63
1:B:322:GLN:CD	1:C:240:LYS:C[2_858]	1.57	0.63
1:B:329:THR:O	1:C:194:PHE:C[2_858]	1.57	0.63
1:B:329:THR:CA	1:C:194:PHE:O[2_858]	1.57	0.63
1:B:373:GLY:O	1:C:273:ASN:CB[2_858]	1.57	0.63
1:B:377:LYS:CE	1:C:109:PHE:CA[2_858]	1.57	0.63
1:B:384:GLY:CA	1:C:308:GLU:CD[2_858]	1.57	0.63
1:B:386:ASN:ND2	1:C:295:SER:CA[2_858]	1.57	0.63
1:B:396:GLU:OE1	1:C:212:SER:C[2_858]	1.57	0.63
1:B:409:ILE:C	1:C:168:GLN:CB[2_858]	1.57	0.63
1:C:178:SER:CB	1:F:372:ASP:O[2_757]	1.57	0.63
1:C:316:ARG:CD	5:C:1343:HOH:O[2_958]	1.57	0.63
1:D:14:LEU:CD2	1:E:127:LYS:N[2_757]	1.57	0.63
1:D:27:ILE:CA	1:E:201:LEU:CD2[2_757]	1.57	0.63
1:D:32:ILE:C	1:E:110:ARG:N[2_757]	1.57	0.63
1:D:38:VAL:CB	1:E:293:MET:SD[2_757]	1.57	0.63
1:D:67:LYS:N	1:E:123:PRO:CG[2_757]	1.57	0.63
1:D:118:ILE:CG2	1:E:238:LYS:NZ[2_757]	1.57	0.63
1:D:138:ASP:OD1	1:F:388:ARG:CB[2_757]	1.57	0.63
1:D:190:SER:C	1:F:376:THR:O[2_757]	1.57	0.63

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:193:GLY:O	1:F:378:ASP:CG[2_757]	1.57	0.63
1:D:223:GLY:O	1:F:396:GLU:CG[2_757]	1.57	0.63
1:D:223:GLY:O	1:F:396:GLU:CD[2_757]	1.57	0.63
1:D:226:LYS:O	1:F:396:GLU:N[2_757]	1.57	0.63
1:D:227:ASP:N	1:F:396:GLU:CG[2_757]	1.57	0.63
1:D:229:PHE:CZ	1:F:329:THR:N[2_757]	1.57	0.63
1:D:236:GLN:O	1:F:334:SER:CA[2_757]	1.57	0.63
1:D:241:PHE:CZ	1:F:19:MET:C[2_757]	1.57	0.63
1:D:242:GLU:CA	1:F:15:ASP:OD2[2_757]	1.57	0.63
1:D:327:THR:C	1:E:243:GLN:NE2[2_757]	1.57	0.63
1:D:328:SER:CB	1:E:243:GLN:OE1[2_757]	1.57	0.63
1:D:338:TRP:CE3	1:E:129:ILE:C[2_757]	1.57	0.63
1:D:342:LEU:O	1:E:279:GLN:CB[2_757]	1.57	0.63
1:D:342:LEU:CD1	1:E:131:ILE:CA[2_757]	1.57	0.63
1:D:347:GLU:O	1:F:279:GLN:OE1[2_757]	1.57	0.63
1:D:374:ILE:N	1:E:236:GLN:OE1[2_757]	1.57	0.63
1:D:404:ARG:NH2	1:E:192:GLU:CD[2_757]	1.57	0.63
1:D:409:ILE:CB	1:E:106:GLY:O[2_757]	1.57	0.63
1:D:411:SER:CA	1:E:136:HIS:CE1[2_757]	1.57	0.63
1:E:51:ASP:CB	1:E:179:GLY:CA[2_657]	1.57	0.63
1:E:56:LYS:N	1:F:157:TYR:CE2[2_657]	1.57	0.63
1:E:89:LEU:C	1:E:180:VAL:CG1[2_657]	1.57	0.63
1:A:3:SER:O	1:E:171:LYS:CA[2_657]	1.58	0.62
1:A:13:GLU:CG	1:A:169:THR:CB[2_757]	1.58	0.62
1:A:14:LEU:CG	1:A:156:VAL:CA[2_757]	1.58	0.62
1:A:14:LEU:CD1	1:A:156:VAL:O[2_757]	1.58	0.62
1:A:35:TYR:O	1:E:171:LYS:NZ[2_657]	1.58	0.62
1:A:44:ASP:OD2	1:A:171:LYS:C[2_757]	1.58	0.62
1:A:49:SER:CA	1:A:172:VAL:O[2_757]	1.58	0.62
1:A:60:ASP:N	1:B:181:ALA:C[2_757]	1.58	0.62
1:A:68:TYR:CB	1:A:165:ALA:CB[2_757]	1.58	0.62
1:A:71:GLY:C	1:A:158:LYS:CG[2_757]	1.58	0.62
1:A:76:THR:N	1:B:156:VAL:CA[2_757]	1.58	0.62
1:A:79:PRO:N	1:A:145:THR:O[2_757]	1.58	0.62
1:A:88:ASN:OD1	1:B:191:ILE:N[2_757]	1.58	0.62
1:A:100:ILE:O	1:B:174:ASP:N[2_757]	1.58	0.62
1:A:101:ARG:CZ	1:B:171:LYS:CB[2_757]	1.58	0.62
1:A:101:ARG:NE	1:B:171:LYS:CB[2_757]	1.58	0.62
1:A:111:GLU:CG	1:C:6:LYS:CD[2_858]	1.58	0.62
1:A:125:TRP:O	1:C:11:VAL:CG1[2_858]	1.58	0.62
1:A:162:PRO:CA	1:A:345:ARG:NE[2_757]	1.58	0.62

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:320:LYS:CG	1:B:163:THR:OG1[2_757]	1.58	0.62
1:A:328:SER:O	1:F:67:LYS:C[2_657]	1.58	0.62
1:A:371:GLN:CD	1:F:50:ARG:CB[2_657]	1.58	0.62
1:B:22:ILE:CA	1:C:232:VAL:C[2_858]	1.58	0.62
1:B:22:ILE:CA	1:C:232:VAL:CA[2_858]	1.58	0.62
1:B:41:LYS:CG	1:E:115:ILE:CG2[2_757]	1.58	0.62
1:B:51:ASP:CG	1:E:344:LYS:CB[2_757]	1.58	0.62
1:B:66:LYS:CB	1:E:397:PHE:CA[2_757]	1.58	0.62
1:B:80:ASP:N	1:E:351:THR:CG2[2_757]	1.58	0.62
1:B:84:VAL:CA	1:E:345:ARG:O[2_757]	1.58	0.62
1:B:87:PHE:CB	1:E:347:GLU:CA[2_757]	1.58	0.62
1:B:92:MET:CE	1:E:7:VAL:O[2_757]	1.58	0.62
1:B:98:GLY:CA	1:E:35:TYR:CE1[2_757]	1.58	0.62
1:B:100:ILE:N	1:E:31:LEU:CD2[2_757]	1.58	0.62
1:B:118:ILE:C	1:C:99:THR:O[2_858]	1.58	0.62
1:B:122:VAL:CB	1:C:63:GLU:O[2_858]	1.58	0.62
1:B:261:ILE:CG2	1:C:68:TYR:CE2[2_858]	1.58	0.62
1:B:278:VAL:N	1:E:2:PHE:CD1[2_757]	1.58	0.62
1:B:308:GLU:OE2	1:E:406:GLN:O[2_757]	1.58	0.62
1:B:318:TYR:O	1:C:203:ILE:CD1[2_858]	1.58	0.62
1:B:318:TYR:CA	1:C:237:TYR:CD2[2_858]	1.58	0.62
1:B:321:TYR:CZ	1:C:233:TYR:CG[2_858]	1.58	0.62
1:B:321:TYR:OH	1:C:233:TYR:CD2[2_858]	1.58	0.62
1:B:322:GLN:CG	1:C:240:LYS:C[2_858]	1.58	0.62
1:B:322:GLN:O	1:C:241:PHE:O[2_858]	1.58	0.62
1:B:326:GLU:CB	1:C:210:PHE:N[2_858]	1.58	0.62
1:B:327:THR:N	1:C:209:LEU:CG[2_858]	1.58	0.62
1:B:357:PHE:O	1:D:149:GLY:CA[2_858]	1.58	0.62
1:B:365:THR:CA	1:C:187:THR:CA[2_858]	1.58	0.62
1:B:366:LEU:N	1:C:187:THR:CG2[2_858]	1.58	0.62
1:B:371:GLN:C	1:C:138:ASP:O[2_858]	1.58	0.62
1:B:385:ASN:OD1	4:C:1302:AKG:C1[2_858]	1.58	0.62
1:B:388:ARG:O	1:C:131:ILE:CG2[2_858]	1.58	0.62
1:B:391:TYR:CE1	1:C:132:GLY:N[2_858]	1.58	0.62
1:B:400:ALA:N	1:C:221:TYR:O[2_858]	1.58	0.62
1:B:400:ALA:CB	1:C:225:PHE:CE1[2_858]	1.58	0.62
1:B:405:LEU:O	1:D:146:LEU:O[2_858]	1.58	0.62
1:C:315:THR:O	1:C:319:ARG:O[2_958]	1.58	0.62
1:C:317:HIS:CG	1:C:325:GLU:N[2_958]	1.58	0.62
1:D:12:VAL:C	1:E:287:PHE:CZ[2_757]	1.58	0.62
1:D:13:GLU:OE1	1:E:128:PRO:CB[2_757]	1.58	0.62

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:24:TRP:CD2	1:E:207:LEU:CD2[2_757]	1.58	0.62
1:D:65:ILE:CB	1:E:124:ARG:C[2_757]	1.58	0.62
1:D:80:ASP:C	1:D:88:ASN:ND2[2_858]	1.58	0.62
1:D:107:THR:O	1:E:262:LYS:NZ[2_757]	1.58	0.62
1:D:109:PHE:CD1	3:F:1601:NDP:C3B[2_757]	1.58	0.62
1:D:186:ASN:N	1:F:389:SER:C[2_757]	1.58	0.62
1:D:186:ASN:CB	1:F:389:SER:C[2_757]	1.58	0.62
1:D:189:GLU:CA	1:F:375:MET:CE[2_757]	1.58	0.62
1:D:197:SER:O	3:F:1601:NDP:N7A[2_757]	1.58	0.62
1:D:237:TYR:CE2	1:F:334:SER:N[2_757]	1.58	0.62
1:D:239:SER:CA	1:F:24:TRP:CE2[2_757]	1.58	0.62
1:D:270:ALA:CB	1:F:327:THR:CG2[2_757]	1.58	0.62
1:D:307:SER:O	1:E:267:PHE:CE2[2_757]	1.58	0.62
1:D:333:ALA:C	1:E:208:ASN:CB[2_757]	1.58	0.62
1:D:345:ARG:CD	1:E:283:VAL:N[2_757]	1.58	0.62
1:D:354:LEU:CA	1:E:275:ASP:O[2_757]	1.58	0.62
1:D:378:ASP:OD2	1:E:242:GLU:CG[2_757]	1.58	0.62
1:D:398:LEU:O	1:E:200:LYS:CG[2_757]	1.58	0.62
1:D:402:GLU:N	1:E:197:SER:CA[2_757]	1.58	0.62
1:E:48:GLU:O	1:E:177:GLY:CA[2_657]	1.58	0.62
1:E:56:LYS:CD	1:F:158:LYS:CA[2_657]	1.58	0.62
1:E:56:LYS:O	1:F:159:PRO:CA[2_657]	1.58	0.62
1:E:60:ASP:CA	1:F:162:PRO:N[2_657]	1.58	0.62
1:E:61:ALA:CA	1:F:161:ASP:OD1[2_657]	1.58	0.62
1:E:65:ILE:CD1	1:F:163:THR:CG2[2_657]	1.58	0.62
1:E:91:LYS:CG	1:E:145:THR:CA[2_657]	1.58	0.62
1:E:99:THR:CG2	1:F:166:GLN:CB[2_657]	1.58	0.62
1:A:34:PRO:O	1:E:173:TYR:O[2_657]	1.59	0.61
1:A:34:PRO:CB	1:E:173:TYR:CB[2_657]	1.59	0.61
1:A:36:LEU:O	1:E:174:ASP:OD2[2_657]	1.59	0.61
1:A:48:GLU:CB	1:A:173:TYR:CD2[2_757]	1.59	0.61
1:A:57:ILE:CB	1:B:143:THR:C[2_757]	1.59	0.61
1:A:71:GLY:N	1:A:159:PRO:CD[2_757]	1.59	0.61
1:A:84:VAL:CG2	1:A:180:VAL:CG1[2_757]	1.59	0.61
1:A:86:GLU:OE1	1:A:147:ILE:O[2_757]	1.59	0.61
1:A:88:ASN:CB	1:B:187:THR:O[2_757]	1.59	0.61
1:A:93:TRP:NE1	1:B:221:TYR:CE1[2_757]	1.59	0.61
1:A:94:LYS:NZ	1:A:141:LYS:N[2_757]	1.59	0.61
1:A:97:ASN:CB	1:B:171:LYS:CA[2_757]	1.59	0.61
1:A:123:PRO:C	1:C:12:VAL:C[2_858]	1.59	0.61
1:A:128:PRO:CA	1:C:7:VAL:CB[2_858]	1.59	0.61

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:259:GLN:C	1:C:348:LEU:CD1[2_858]	1.59	0.61
1:A:262:LYS:N	1:C:69:GLY:O[2_858]	1.59	0.61
1:A:328:SER:CA	1:F:66:LYS:O[2_657]	1.59	0.61
1:A:372:ASP:CB	1:F:96:PRO:CG[2_657]	1.59	0.61
1:A:376:THR:CG2	1:F:62:ALA:O[2_657]	1.59	0.61
1:A:376:THR:CB	1:F:64:ALA:C[2_657]	1.59	0.61
1:A:388:ARG:NH2	1:F:305:PHE:CA[2_657]	1.59	0.61
1:A:398:LEU:CB	1:F:103:ILE:C[2_657]	1.59	0.61
1:A:405:LEU:C	1:F:94:LYS:NZ[2_657]	1.59	0.61
1:B:163:THR:O	5:A:1107:HOH:O[2_757]	1.59	0.61
1:B:49:SER:O	1:E:340:ARG:CG[2_757]	1.59	0.61
1:B:56:LYS:NZ	1:E:309:ALA:CA[2_757]	1.59	0.61
1:B:59:GLN:NE2	1:E:27:ILE:CG2[2_757]	1.59	0.61
1:B:62:ALA:N	1:E:365:THR:CG2[2_757]	1.59	0.61
1:B:66:LYS:CG	1:E:397:PHE:N[2_757]	1.59	0.61
1:B:77:ILE:N	1:E:356:LYS:CB[2_757]	1.59	0.61
1:B:84:VAL:O	1:E:349:ASP:N[2_757]	1.59	0.61
1:B:87:PHE:CB	1:E:347:GLU:CB[2_757]	1.59	0.61
1:B:92:MET:SD	1:E:7:VAL:CA[2_757]	1.59	0.61
1:B:110:ARG:CD	1:E:410:LYS:CD[2_757]	1.59	0.61
1:B:118:ILE:N	1:C:102:ASN:CA[2_858]	1.59	0.61
1:B:281:ASP:OD1	1:E:2:PHE:CZ[2_757]	1.59	0.61
1:B:317:HIS:C	1:C:200:LYS:N[2_858]	1.59	0.61
1:B:322:GLN:C	1:C:241:PHE:CA[2_858]	1.59	0.61
1:B:322:GLN:OE1	1:C:240:LYS:CB[2_858]	1.59	0.61
1:B:326:GLU:CD	1:C:268:ILE:O[2_858]	1.59	0.61
1:B:334:SER:CB	1:C:192:GLU:CD[2_858]	1.59	0.61
1:B:352:PRO:O	1:C:162:PRO:N[2_858]	1.59	0.61
1:B:358:ALA:CB	1:D:150:PRO:CD[2_858]	1.59	0.61
1:B:381:LEU:CG	1:C:296:ILE:O[2_858]	1.59	0.61
1:B:384:GLY:CA	1:C:308:GLU:OE1[2_858]	1.59	0.61
1:B:390:ALA:N	1:C:276:GLY:CA[2_858]	1.59	0.61
1:B:403:LYS:CA	1:C:221:TYR:N[2_858]	1.59	0.61
1:B:411:SER:OG	1:C:157:TYR:N[2_858]	1.59	0.61
1:E:407:LYS:N	5:B:1216:HOH:O[2_757]	1.59	0.61
1:C:317:HIS:CE1	1:C:325:GLU:CA[2_958]	1.59	0.61
1:D:6:LYS:CG	1:E:310:ALA:C[2_757]	1.59	0.61
1:D:8:LYS:N	1:E:281:ASP:CA[2_757]	1.59	0.61
1:D:23:ILE:CA	1:E:205:LYS:C[2_757]	1.59	0.61
1:D:23:ILE:O	1:E:205:LYS:N[2_757]	1.59	0.61
1:D:35:TYR:CA	1:E:108:VAL:CB[2_757]	1.59	0.61

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:109:PHE:CD1	3:F:1601:NDP:O3X[2_757]	1.59	0.61
1:D:138:ASP:N	1:F:387:GLU:CA[2_757]	1.59	0.61
1:D:186:ASN:ND2	1:F:387:GLU:O[2_757]	1.59	0.61
1:D:191:ILE:O	1:F:376:THR:CB[2_757]	1.59	0.61
1:D:228:ILE:CD1	1:F:392:VAL:CG2[2_757]	1.59	0.61
1:D:229:PHE:CE1	1:F:328:SER:CA[2_757]	1.59	0.61
1:D:231:GLU:CG	1:F:399:ASP:C[2_757]	1.59	0.61
1:D:238:LYS:CG	1:F:25:ASP:C[2_757]	1.59	0.61
1:D:268:ILE:C	1:F:317:HIS:C[2_757]	1.59	0.61
1:D:268:ILE:CB	1:F:315:THR:C[2_757]	1.59	0.61
1:D:303:LYS:CD	1:F:287:PHE:N[2_757]	1.59	0.61
1:D:332:ILE:CB	1:E:248:TYR:CB[2_757]	1.59	0.61
1:D:336:PHE:CE1	1:E:248:TYR:CE1[2_757]	1.59	0.61
1:D:338:TRP:C	1:E:269:MET:CG[2_757]	1.59	0.61
1:D:369:VAL:N	1:E:232:VAL:O[2_757]	1.59	0.61
1:D:369:VAL:CG1	1:E:233:TYR:C[2_757]	1.59	0.61
1:D:370:GLN:N	1:E:231:GLU:O[2_757]	1.59	0.61
1:D:374:ILE:C	1:E:236:GLN:CB[2_757]	1.59	0.61
1:D:400:ALA:N	1:E:200:LYS:CD[2_757]	1.59	0.61
1:D:405:LEU:CD2	1:E:107:THR:OG1[2_757]	1.59	0.61
1:D:408:GLU:CD	1:E:191:ILE:CA[2_757]	1.59	0.61
1:E:86:GLU:C	1:F:228:ILE:CG2[2_657]	1.59	0.61
1:A:4:LYS:NZ	1:E:153:LEU:N[2_657]	1.60	0.60
1:A:17:ASP:CA	1:A:152:SER:O[2_757]	1.60	0.60
1:A:28:LYS:CA	1:E:176:LYS:CE[2_657]	1.60	0.60
1:A:35:TYR:CA	1:E:171:LYS:CG[2_657]	1.60	0.60
1:A:43:TYR:CZ	1:A:168:GLN:OE1[2_757]	1.60	0.60
1:A:45:LEU:CB	1:A:154:GLU:C[2_757]	1.60	0.60
1:A:51:ASP:OD1	1:B:185:TYR:C[2_757]	1.60	0.60
1:A:53:THR:CB	1:B:143:THR:N[2_757]	1.60	0.60
1:A:58:THR:N	1:B:182:MET:CA[2_757]	1.60	0.60
1:A:63:GLU:C	1:B:147:ILE:CG2[2_757]	1.60	0.60
1:A:83:ARG:CD	1:A:147:ILE:CA[2_757]	1.60	0.60
1:A:86:GLU:CB	1:A:178:SER:C[2_757]	1.60	0.60
1:A:120:ARG:CD	1:C:40:LEU:CB[2_858]	1.60	0.60
1:A:122:VAL:O	1:C:11:VAL:C[2_858]	1.60	0.60
1:A:144:ASP:OD2	1:B:219:LYS:CE[2_757]	1.60	0.60
1:A:160:SER:CB	1:A:304:THR:N[2_757]	1.60	0.60
1:A:217:ILE:CD1	1:E:35:TYR:CA[2_757]	1.60	0.60
1:A:283:VAL:CA	1:C:9:GLN:CD[2_858]	1.60	0.60
1:A:283:VAL:CB	1:C:9:GLN:OE1[2_858]	1.60	0.60

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:315:THR:CA	1:B:166:GLN:N[2_757]	1.60	0.60
1:A:318:TYR:CE1	1:B:160:SER:N[2_757]	1.60	0.60
1:A:374:ILE:CG1	1:F:100:ILE:CD1[2_657]	1.60	0.60
1:F:67:LYS:CD	3:A:1101:NDP:N3A[2_657]	1.60	0.60
1:B:5:ILE:CD1	1:C:165:ALA:CA[2_858]	1.60	0.60
1:B:14:LEU:O	1:E:363:SER:CB[2_757]	1.60	0.60
1:B:18:GLU:CD	1:C:240:LYS:NZ[2_858]	1.60	0.60
1:B:21:ARG:O	1:C:235:ALA:CB[2_858]	1.60	0.60
1:B:26:LYS:N	1:C:231:GLU:OE1[2_858]	1.60	0.60
1:B:30:LYS:NZ	1:C:227:ASP:CB[2_858]	1.60	0.60
1:B:41:LYS:N	1:E:370:GLN:CD[2_757]	1.60	0.60
1:B:43:TYR:CD1	1:E:366:LEU:CG[2_757]	1.60	0.60
1:B:62:ALA:CB	1:E:401:VAL:CG1[2_757]	1.60	0.60
1:B:63:GLU:OE1	1:E:331:SER:OG[2_757]	1.60	0.60
1:B:66:LYS:C	1:E:374:ILE:CG2[2_757]	1.60	0.60
1:B:66:LYS:CE	1:E:395:GLU:O[2_757]	1.60	0.60
1:B:67:LYS:C	1:E:374:ILE:CA[2_757]	1.60	0.60
1:B:76:THR:N	1:E:360:ILE:CG1[2_757]	1.60	0.60
1:B:83:ARG:C	1:E:346:GLY:O[2_757]	1.60	0.60
1:B:87:PHE:CB	1:E:347:GLU:CG[2_757]	1.60	0.60
1:B:89:LEU:CD2	1:E:343:LEU:C[2_757]	1.60	0.60
1:B:91:LYS:NZ	1:E:12:VAL:O[2_757]	1.60	0.60
1:B:100:ILE:O	1:E:402:GLU:CA[2_757]	1.60	0.60
1:B:102:ASN:CA	1:E:30:LYS:CB[2_757]	1.60	0.60
1:B:118:ILE:C	1:C:100:ILE:C[2_858]	1.60	0.60
1:B:119:PRO:CG	1:C:100:ILE:CB[2_858]	1.60	0.60
1:B:298:VAL:CG1	1:E:403:LYS:NZ[2_757]	1.60	0.60
1:B:320:LYS:CG	1:C:201:LEU:C[2_858]	1.60	0.60
1:B:366:LEU:CB	1:D:173:TYR:OH[2_858]	1.60	0.60
1:B:385:ASN:CA	1:C:110:ARG:CZ[2_858]	1.60	0.60
1:B:386:ASN:OD1	1:C:295:SER:N[2_858]	1.60	0.60
1:B:388:ARG:CA	1:C:131:ILE:CG1[2_858]	1.60	0.60
1:B:389:SER:O	1:C:275:ASP:C[2_858]	1.60	0.60
1:B:394:THR:CA	1:C:229:PHE:CD1[2_858]	1.60	0.60
1:B:399:ASP:O	1:C:221:TYR:C[2_858]	1.60	0.60
1:B:404:ARG:CA	1:D:181:ALA:N[2_858]	1.60	0.60
1:B:408:GLU:CD	1:D:153:LEU:CD2[2_858]	1.60	0.60
1:C:316:ARG:CB	1:C:322:GLN:O[2_958]	1.60	0.60
1:D:9:GLN:CA	1:E:285:GLN:CA[2_757]	1.60	0.60
1:D:20:THR:O	1:E:206:LYS:O[2_757]	1.60	0.60
1:D:32:ILE:CB	1:E:130:ILE:CG2[2_757]	1.60	0.60

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:63:GLU:O	1:E:123:PRO:CA[2_757]	1.60	0.60
1:D:64:ALA:C	1:E:123:PRO:CA[2_757]	1.60	0.60
1:D:70:VAL:O	1:E:125:TRP:CE2[2_757]	1.60	0.60
1:D:85:LYS:N	1:D:85:LYS:C[2_858]	1.60	0.60
1:D:111:GLU:O	1:E:249:GLU:CD[2_757]	1.60	0.60
1:D:196:HIS:CD2	1:F:332:ILE:CG1[2_757]	1.60	0.60
1:D:205:LYS:CD	3:F:1601:NDP:PN[2_757]	1.60	0.60
1:D:213:THR:OG1	1:F:326:GLU:CB[2_757]	1.60	0.60
1:D:225:PHE:O	1:F:393:THR:OG1[2_757]	1.60	0.60
1:D:229:PHE:N	1:F:393:THR:O[2_757]	1.60	0.60
1:D:236:GLN:OE1	1:F:335:ILE:CD1[2_757]	1.60	0.60
1:D:267:PHE:CD1	1:F:319:ARG:CA[2_757]	1.60	0.60
1:D:338:TRP:CD1	1:E:268:ILE:N[2_757]	1.60	0.60
1:D:339:SER:CB	1:E:270:ALA:N[2_757]	1.60	0.60
1:D:344:LYS:CG	1:E:257:VAL:CA[2_757]	1.60	0.60
1:D:351:THR:CB	1:E:278:VAL:CA[2_757]	1.60	0.60
1:D:354:LEU:C	1:E:276:GLY:N[2_757]	1.60	0.60
1:D:357:PHE:CD1	1:E:133:ARG:C[2_757]	1.60	0.60
1:D:361:LEU:C	1:E:270:ALA:CB[2_757]	1.60	0.60
1:D:366:LEU:CB	1:E:229:PHE:CB[2_757]	1.60	0.60
1:D:368:THR:CA	1:E:232:VAL:CB[2_757]	1.60	0.60
1:D:374:ILE:N	1:E:236:GLN:CG[2_757]	1.60	0.60
1:D:375:MET:CE	1:E:234:GLU:C[2_757]	1.60	0.60
1:D:378:ASP:CB	1:E:242:GLU:CD[2_757]	1.60	0.60
1:D:394:THR:CG2	1:E:244:LEU:CD1[2_757]	1.60	0.60
1:F:381:LEU:N	5:D:1444:HOH:O[2_757]	1.60	0.60
1:E:55:ASP:CA	1:F:157:TYR:CZ[2_657]	1.60	0.60
1:E:56:LYS:CA	1:F:159:PRO:CD[2_657]	1.60	0.60
1:E:56:LYS:CB	1:F:158:LYS:O[2_657]	1.60	0.60
1:E:83:ARG:CA	1:F:224:ARG:NH1[2_657]	1.60	0.60
1:E:90:HIS:C	1:E:180:VAL:CB[2_657]	1.60	0.60
1:E:90:HIS:N	1:E:180:VAL:N[2_657]	1.60	0.60
1:E:93:TRP:NE1	1:E:179:GLY:O[2_657]	1.60	0.60
1:A:34:PRO:CG	1:E:173:TYR:CG[2_657]	1.61	0.59
1:A:44:ASP:OD2	1:A:171:LYS:O[2_757]	1.61	0.59
1:A:45:LEU:CG	1:A:155:LEU:N[2_757]	1.61	0.59
1:A:58:THR:N	1:B:182:MET:C[2_757]	1.61	0.59
1:A:60:ASP:CB	1:B:145:THR:C[2_757]	1.61	0.59
1:A:67:LYS:N	1:B:148:PRO:C[2_757]	1.61	0.59
1:A:71:GLY:N	1:A:158:LYS:C[2_757]	1.61	0.59
1:A:71:GLY:C	1:A:158:LYS:CA[2_757]	1.61	0.59

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:83:ARG:O	1:A:179:GLY:O[2_757]	1.61	0.59
1:A:84:VAL:CB	1:B:224:ARG:CB[2_757]	1.61	0.59
1:A:89:LEU:CD1	1:A:180:VAL:O[2_757]	1.61	0.59
1:A:117:ARG:CD	1:F:45:LEU:N[2_657]	1.61	0.59
1:A:124:ARG:CZ	1:C:306:GLU:C[2_858]	1.61	0.59
1:A:125:TRP:CA	1:C:11:VAL:CB[2_858]	1.61	0.59
1:A:128:PRO:C	1:C:7:VAL:CG2[2_858]	1.61	0.59
1:A:162:PRO:O	1:A:345:ARG:CZ[2_757]	1.61	0.59
1:A:262:LYS:CE	1:C:305:PHE:CZ[2_858]	1.61	0.59
1:A:313:THR:CB	1:B:157:TYR:O[2_757]	1.61	0.59
1:A:318:TYR:CB	1:B:159:PRO:CB[2_757]	1.61	0.59
1:A:319:ARG:C	1:B:161:ASP:CB[2_757]	1.61	0.59
1:A:328:SER:OG	1:F:65:ILE:C[2_657]	1.61	0.59
1:A:376:THR:N	1:F:65:ILE:N[2_657]	1.61	0.59
1:A:379:LEU:CA	1:F:43:TYR:CE1[2_657]	1.61	0.59
1:A:380:ALA:CB	1:F:12:VAL:CB[2_657]	1.61	0.59
1:A:385:ASN:C	1:F:40:LEU:CD2[2_657]	1.61	0.59
1:A:391:TYR:OH	1:F:70:VAL:CB[2_657]	1.61	0.59
1:A:400:ALA:CB	1:F:101:ARG:N[2_657]	1.61	0.59
1:A:406:GLN:NE2	1:F:141:LYS:CB[2_657]	1.61	0.59
1:B:14:LEU:CA	1:E:363:SER:CA[2_757]	1.61	0.59
1:B:26:LYS:N	1:C:231:GLU:CD[2_858]	1.61	0.59
1:B:43:TYR:CE2	1:E:366:LEU:CD2[2_757]	1.61	0.59
1:B:45:LEU:O	1:E:359:ASN:N[2_757]	1.61	0.59
1:B:50:ARG:NE	1:E:358:ALA:CA[2_757]	1.61	0.59
1:B:76:THR:CG2	1:E:359:ASN:C[2_757]	1.61	0.59
1:B:83:ARG:NE	1:E:353:ALA:N[2_757]	1.61	0.59
1:B:93:TRP:CB	1:E:342:LEU:CA[2_757]	1.61	0.59
1:B:103:ILE:O	1:E:398:LEU:C[2_757]	1.61	0.59
1:B:104:LEU:C	1:E:399:ASP:O[2_757]	1.61	0.59
1:B:125:TRP:CB	1:C:63:GLU:CB[2_858]	1.61	0.59
1:B:261:ILE:CG2	1:C:68:TYR:CZ[2_858]	1.61	0.59
1:B:285:GLN:CB	1:C:304:THR:OG1[2_858]	1.61	0.59
1:B:285:GLN:NE2	1:C:299:THR:OG1[2_858]	1.61	0.59
1:B:290:LEU:CA	1:C:301:ASP:OD1[2_858]	1.61	0.59
1:B:319:ARG:CA	1:C:203:ILE:CD1[2_858]	1.61	0.59
1:B:331:SER:OG	1:C:191:ILE:O[2_858]	1.61	0.59
1:B:370:GLN:NE2	1:C:141:LYS:CD[2_858]	1.61	0.59
1:B:370:GLN:C	1:C:141:LYS:C[2_858]	1.61	0.59
1:B:381:LEU:CB	1:C:297:LEU:CA[2_858]	1.61	0.59
1:B:411:SER:C	1:C:168:GLN:C[2_858]	1.61	0.59

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:320:LYS:CE	1:C:327:THR:OG1[2_958]	1.61	0.59
1:D:6:LYS:NZ	1:E:311:HIS:C[2_757]	1.61	0.59
1:D:12:VAL:O	1:E:287:PHE:CZ[2_757]	1.61	0.59
1:D:22:ILE:CD1	1:E:206:LYS:NZ[2_757]	1.61	0.59
1:D:22:ILE:O	1:E:204:ASP:O[2_757]	1.61	0.59
1:D:24:TRP:CZ3	1:E:266:GLY:C[2_757]	1.61	0.59
1:D:26:LYS:CG	1:E:204:ASP:CG[2_757]	1.61	0.59
1:D:28:LYS:CG	1:E:111:GLU:OE2[2_757]	1.61	0.59
1:D:38:VAL:CG1	1:E:293:MET:SD[2_757]	1.61	0.59
1:D:68:TYR:N	1:E:121:LEU:O[2_757]	1.61	0.59
1:D:68:TYR:CD1	1:E:120:ARG:C[2_757]	1.61	0.59
1:D:68:TYR:CD1	1:E:120:ARG:CA[2_757]	1.61	0.59
1:D:72:ILE:CB	1:E:129:ILE:CG1[2_757]	1.61	0.59
1:D:85:LYS:NZ	1:D:87:PHE:CZ[2_858]	1.61	0.59
1:D:104:LEU:CB	1:E:124:ARG:CZ[2_757]	1.61	0.59
1:D:113:ILE:CD1	1:E:248:TYR:C[2_757]	1.61	0.59
1:D:137:GLY:CA	1:F:387:GLU:CA[2_757]	1.61	0.59
1:D:185:TYR:CZ	1:F:387:GLU:CD[2_757]	1.61	0.59
1:D:186:ASN:CA	1:F:389:SER:C[2_757]	1.61	0.59
1:D:196:HIS:CB	1:F:330:ASN:OD1[2_757]	1.61	0.59
1:D:199:PHE:N	1:F:329:THR:CG2[2_757]	1.61	0.59
1:D:207:LEU:N	1:F:313:THR:OG1[2_757]	1.61	0.59
1:D:225:PHE:N	5:F:1639:HOH:O[2_757]	1.61	0.59
1:D:225:PHE:O	1:F:393:THR:CA[2_757]	1.61	0.59
1:D:230:GLN:NE2	1:F:26:LYS:CG[2_757]	1.61	0.59
1:D:231:GLU:CG	1:F:399:ASP:CA[2_757]	1.61	0.59
1:D:231:GLU:CD	1:F:400:ALA:CA[2_757]	1.61	0.59
1:D:234:GLU:CB	1:F:26:LYS:O[2_757]	1.61	0.59
1:D:248:TYR:N	1:F:22:ILE:CB[2_757]	1.61	0.59
1:D:301:ASP:C	1:F:284:ALA:O[2_757]	1.61	0.59
1:D:301:ASP:CG	1:F:288:GLY:N[2_757]	1.61	0.59
1:D:305:PHE:CB	1:E:262:LYS:N[2_757]	1.61	0.59
1:D:305:PHE:CE1	1:E:258:ALA:CA[2_757]	1.61	0.59
1:D:306:GLU:CA	1:E:263:SER:CB[2_757]	1.61	0.59
1:D:309:ALA:CA	1:E:208:ASN:ND2[2_757]	1.61	0.59
1:D:329:THR:CB	1:E:244:LEU:CA[2_757]	1.61	0.59
1:D:334:SER:CB	1:E:207:LEU:CA[2_757]	1.61	0.59
1:D:335:ILE:O	1:E:268:ILE:C[2_757]	1.61	0.59
1:D:348:LEU:CB	1:F:282:ILE:CG2[2_757]	1.61	0.59
1:D:353:ALA:C	1:E:277:ASP:N[2_757]	1.61	0.59
1:D:362:GLU:O	1:E:229:PHE:CE2[2_757]	1.61	0.59

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:369:VAL:CB	1:E:233:TYR:C[2_757]	1.61	0.59
1:D:373:GLY:O	1:E:235:ALA:O[2_757]	1.61	0.59
1:D:406:GLN:NE2	1:E:299:THR:O[2_757]	1.61	0.59
1:D:406:GLN:NE2	1:E:299:THR:N[2_757]	1.61	0.59
1:E:58:THR:CG2	1:F:165:ALA:N[2_657]	1.61	0.59
1:E:59:GLN:NE2	1:F:167:PRO:CD[2_657]	1.61	0.59
1:E:84:VAL:CB	1:F:224:ARG:N[2_657]	1.61	0.59
1:E:85:LYS:CA	1:F:225:PHE:C[2_657]	1.61	0.59
1:A:2:PHE:N	1:E:172:VAL:CG2[2_657]	1.62	0.58
1:A:10:PRO:CA	1:A:166:GLN:OE1[2_757]	1.62	0.58
1:A:18:GLU:OE2	1:B:157:TYR:CZ[2_757]	1.62	0.58
1:A:34:PRO:CB	1:E:173:TYR:CA[2_657]	1.62	0.58
1:A:43:TYR:CG	1:A:170:LEU:CD1[2_757]	1.62	0.58
1:A:44:ASP:OD1	1:A:171:LYS:C[2_757]	1.62	0.58
1:A:44:ASP:OD1	1:A:171:LYS:CA[2_757]	1.62	0.58
1:A:47:VAL:CB	1:A:175:TYR:CE1[2_757]	1.62	0.58
1:A:47:VAL:N	1:A:153:LEU:CB[2_757]	1.62	0.58
1:A:56:LYS:O	1:B:181:ALA:C[2_757]	1.62	0.58
1:A:57:ILE:N	1:B:182:MET:CA[2_757]	1.62	0.58
1:A:58:THR:CB	1:B:182:MET:O[2_757]	1.62	0.58
1:A:65:ILE:CB	1:A:157:TYR:CZ[2_757]	1.62	0.58
1:A:70:VAL:C	1:A:159:PRO:CG[2_757]	1.62	0.58
1:A:104:LEU:N	1:B:174:ASP:O[2_757]	1.62	0.58
1:A:112:PRO:CG	1:C:7:VAL:O[2_858]	1.62	0.58
1:A:123:PRO:CA	1:C:12:VAL:CA[2_858]	1.62	0.58
1:A:258:ALA:CA	1:C:303:LYS:CB[2_858]	1.62	0.58
1:A:263:SER:CB	1:C:344:LYS:O[2_858]	1.62	0.58
1:A:264:LYS:NZ	1:C:336:PHE:O[2_858]	1.62	0.58
1:A:332:ILE:CB	1:F:63:GLU:OE1[2_657]	1.62	0.58
1:A:375:MET:CG	1:F:14:LEU:CD2[2_657]	1.62	0.58
1:A:376:THR:C	1:F:64:ALA:C[2_657]	1.62	0.58
1:A:379:LEU:CB	1:F:43:TYR:CZ[2_657]	1.62	0.58
1:A:381:LEU:CA	1:F:41:LYS:N[2_657]	1.62	0.58
1:A:396:GLU:O	1:F:100:ILE:O[2_657]	1.62	0.58
1:B:168:GLN:CD	3:A:1101:NDP:C3D[2_757]	1.62	0.58
1:B:10:PRO:C	1:E:370:GLN:O[2_757]	1.62	0.58
1:B:46:SER:C	1:E:359:ASN:OD1[2_757]	1.62	0.58
1:B:50:ARG:NE	1:E:358:ALA:CB[2_757]	1.62	0.58
1:B:59:GLN:NE2	1:E:27:ILE:CD1[2_757]	1.62	0.58
1:B:63:GLU:CB	1:E:397:PHE:CE2[2_757]	1.62	0.58
1:B:66:LYS:CE	1:E:396:GLU:C[2_757]	1.62	0.58

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:67:LYS:CB	1:E:375:MET:N[2_757]	1.62	0.58
1:B:67:LYS:CG	1:E:375:MET:C[2_757]	1.62	0.58
1:B:68:TYR:CA	1:E:373:GLY:O[2_757]	1.62	0.58
1:B:79:PRO:CB	1:E:354:LEU:CB[2_757]	1.62	0.58
1:B:81:GLU:N	1:E:8:LYS:N[2_757]	1.62	0.58
1:B:90:HIS:O	1:E:70:VAL:CG2[2_757]	1.62	0.58
1:B:93:TRP:CG	1:E:342:LEU:CB[2_757]	1.62	0.58
1:B:95:SER:CA	1:E:357:PHE:CZ[2_757]	1.62	0.58
1:B:101:ARG:NE	1:E:406:GLN:CA[2_757]	1.62	0.58
1:B:113:ILE:CD1	1:C:189:GLU:OE1[2_858]	1.62	0.58
1:B:261:ILE:O	1:C:67:LYS:CD[2_858]	1.62	0.58
1:B:286:GLY:C	1:C:66:LYS:CA[2_858]	1.62	0.58
1:B:329:THR:C	1:C:193:GLY:O[2_858]	1.62	0.58
1:B:359:ASN:OD1	1:D:150:PRO:CB[2_858]	1.62	0.58
1:B:365:THR:OG1	1:D:178:SER:O[2_858]	1.62	0.58
1:B:372:ASP:OD2	1:C:221:TYR:OH[2_858]	1.62	0.58
1:B:389:SER:O	1:C:277:ASP:N[2_858]	1.62	0.58
1:B:390:ALA:CA	1:C:276:GLY:C[2_858]	1.62	0.58
1:B:390:ALA:C	1:C:133:ARG:CG[2_858]	1.62	0.58
1:B:395:GLU:O	1:C:225:PHE:O[2_858]	1.62	0.58
1:B:395:GLU:O	1:C:225:PHE:CA[2_858]	1.62	0.58
1:B:399:ASP:CA	1:C:224:ARG:N[2_858]	1.62	0.58
1:B:403:LYS:O	1:D:145:THR:N[2_858]	1.62	0.58
1:C:317:HIS:CG	1:C:325:GLU:CA[2_958]	1.62	0.58
1:C:319:ARG:CD	1:C:322:GLN:NE2[2_958]	1.62	0.58
1:C:388:ARG:CG	1:C:392:VAL:C[2_958]	1.62	0.58
1:D:10:PRO:O	1:E:286:GLY:N[2_757]	1.62	0.58
1:D:26:LYS:CB	1:E:204:ASP:CB[2_757]	1.62	0.58
1:D:64:ALA:O	1:E:122:VAL:C[2_757]	1.62	0.58
1:D:81:GLU:CG	1:D:88:ASN:CB[2_858]	1.62	0.58
1:D:130:ILE:O	1:F:316:ARG:CA[2_757]	1.62	0.58
1:D:137:GLY:N	1:F:386:ASN:O[2_757]	1.62	0.58
1:D:189:GLU:O	1:F:375:MET:CG[2_757]	1.62	0.58
1:D:196:HIS:CB	1:F:330:ASN:CB[2_757]	1.62	0.58
1:D:198:SER:N	3:F:1601:NDP:C2A[2_757]	1.62	0.58
1:D:225:PHE:O	1:F:393:THR:C[2_757]	1.62	0.58
1:D:238:LYS:O	1:F:24:TRP:CB[2_757]	1.62	0.58
1:D:240:LYS:CE	1:F:337:ALA:CB[2_757]	1.62	0.58
1:D:241:PHE:CE2	1:F:19:MET:O[2_757]	1.62	0.58
1:D:241:PHE:CB	1:F:20:THR:O[2_757]	1.62	0.58
1:D:242:GLU:CB	1:F:15:ASP:CG[2_757]	1.62	0.58

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:249:GLU:N	1:F:22:ILE:CD1[2_757]	1.62	0.58
1:D:256:MET:SD	1:F:320:LYS:O[2_757]	1.62	0.58
1:D:269:MET:CG	1:F:320:LYS:CA[2_757]	1.62	0.58
1:D:296:ILE:CG2	1:E:259:GLN:CB[2_757]	1.62	0.58
1:D:302:GLY:C	1:F:285:GLN:C[2_757]	1.62	0.58
1:D:311:HIS:CD2	1:E:247:HIS:CE1[2_757]	1.62	0.58
1:D:340:ARG:CZ	1:E:251:ARG:CB[2_757]	1.62	0.58
1:D:346:GLY:C	1:E:279:GLN:NE2[2_757]	1.62	0.58
1:D:349:ASP:OD1	1:F:257:VAL:O[2_757]	1.62	0.58
1:D:369:VAL:C	1:E:232:VAL:N[2_757]	1.62	0.58
1:D:370:GLN:CD	1:E:231:GLU:CG[2_757]	1.62	0.58
1:D:376:THR:C	1:E:239:SER:N[2_757]	1.62	0.58
1:D:399:ASP:C	1:E:200:LYS:CE[2_757]	1.62	0.58
1:D:404:ARG:C	1:E:194:PHE:N[2_757]	1.62	0.58
1:D:404:ARG:CZ	1:E:192:GLU:CG[2_757]	1.62	0.58
1:E:241:PHE:O	3:D:1401:NDP:N1A[2_757]	1.62	0.58
1:F:380:ALA:O	5:D:1444:HOH:O[2_757]	1.62	0.58
1:E:51:ASP:CB	1:E:178:SER:C[2_657]	1.62	0.58
1:E:52:ALA:CA	1:E:175:TYR:CD2[2_657]	1.62	0.58
1:E:56:LYS:C	1:F:159:PRO:N[2_657]	1.62	0.58
1:E:56:LYS:CE	1:F:158:LYS:N[2_657]	1.62	0.58
1:E:81:GLU:CB	5:F:1630:HOH:O[2_657]	1.62	0.58
1:A:46:SER:CA	1:A:153:LEU:C[2_757]	1.63	0.57
1:A:59:GLN:NE2	1:A:185:TYR:N[2_757]	1.63	0.57
1:A:88:ASN:CG	1:B:190:SER:N[2_757]	1.63	0.57
1:A:100:ILE:N	1:B:173:TYR:N[2_757]	1.63	0.57
1:A:125:TRP:CB	1:C:11:VAL:CA[2_858]	1.63	0.57
1:A:318:TYR:OH	1:B:160:SER:OG[2_757]	1.63	0.57
1:A:326:GLU:CA	1:F:303:LYS:C[2_657]	1.63	0.57
1:A:326:GLU:O	1:F:303:LYS:CB[2_657]	1.63	0.57
1:A:372:ASP:N	1:F:96:PRO:CB[2_657]	1.63	0.57
1:A:372:ASP:N	1:F:96:PRO:CG[2_657]	1.63	0.57
1:A:373:GLY:N	1:F:45:LEU:CD1[2_657]	1.63	0.57
1:A:379:LEU:O	1:F:41:LYS:O[2_657]	1.63	0.57
1:A:380:ALA:CA	1:F:12:VAL:CA[2_657]	1.63	0.57
1:A:399:ASP:O	1:F:102:ASN:N[2_657]	1.63	0.57
1:B:9:GLN:O	1:E:117:ARG:NH1[2_757]	1.63	0.57
1:B:14:LEU:CB	1:E:363:SER:O[2_757]	1.63	0.57
1:B:39:ASP:O	1:E:370:GLN:OE1[2_757]	1.63	0.57
1:B:40:LEU:CA	1:E:370:GLN:CD[2_757]	1.63	0.57
1:B:43:TYR:CG	1:E:366:LEU:CD1[2_757]	1.63	0.57

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:51:ASP:CG	1:E:344:LYS:CA[2_757]	1.63	0.57
1:B:56:LYS:CD	1:E:308:GLU:O[2_757]	1.63	0.57
1:B:87:PHE:C	1:E:347:GLU:C[2_757]	1.63	0.57
1:B:98:GLY:CA	1:E:35:TYR:CD1[2_757]	1.63	0.57
1:B:99:THR:N	1:E:31:LEU:CA[2_757]	1.63	0.57
1:B:110:ARG:NE	1:E:410:LYS:CE[2_757]	1.63	0.57
1:B:122:VAL:N	1:C:66:LYS:N[2_858]	1.63	0.57
1:B:285:GLN:OE1	1:C:304:THR:N[2_858]	1.63	0.57
1:B:291:GLY:CA	1:C:300:PRO:CB[2_858]	1.63	0.57
1:B:317:HIS:ND1	1:C:197:SER:O[2_858]	1.63	0.57
1:B:326:GLU:CD	1:C:269:MET:CA[2_858]	1.63	0.57
1:B:332:ILE:CA	1:C:189:GLU:CA[2_858]	1.63	0.57
1:B:357:PHE:CD1	1:D:148:PRO:CA[2_858]	1.63	0.57
1:B:360:ILE:CB	1:C:157:TYR:OH[2_858]	1.63	0.57
1:B:362:GLU:OE2	1:D:176:LYS:C[2_858]	1.63	0.57
1:B:377:LYS:C	1:C:108:VAL:N[2_858]	1.63	0.57
1:B:398:LEU:C	1:C:225:PHE:N[2_858]	1.63	0.57
1:B:403:LYS:CE	1:C:218:LEU:CA[2_858]	1.63	0.57
1:E:2:PHE:CE2	2:B:1203:CA:CA[2_757]	1.63	0.57
1:C:319:ARG:NE	1:C:322:GLN:NE2[2_958]	1.63	0.57
1:D:8:LYS:O	1:E:290:LEU:CD2[2_757]	1.63	0.57
1:D:10:PRO:CG	1:E:285:GLN:O[2_757]	1.63	0.57
1:D:13:GLU:CA	1:E:127:LYS:C[2_757]	1.63	0.57
1:D:14:LEU:CD2	1:E:126:GLU:C[2_757]	1.63	0.57
1:D:14:LEU:CA	1:E:127:LYS:CB[2_757]	1.63	0.57
1:D:23:ILE:O	1:E:205:LYS:CB[2_757]	1.63	0.57
1:D:24:TRP:CH2	1:E:267:PHE:N[2_757]	1.63	0.57
1:D:32:ILE:O	1:E:109:PHE:CA[2_757]	1.63	0.57
1:D:33:LEU:CD2	1:E:294:THR:OG1[2_757]	1.63	0.57
1:D:36:LEU:CB	1:E:110:ARG:CD[2_757]	1.63	0.57
1:D:63:GLU:C	1:E:123:PRO:CB[2_757]	1.63	0.57
1:D:102:ASN:ND2	1:F:384:GLY:C[2_757]	1.63	0.57
1:D:185:TYR:CD1	1:F:387:GLU:CD[2_757]	1.63	0.57
1:D:191:ILE:CG2	1:F:392:VAL:N[2_757]	1.63	0.57
1:D:194:PHE:CE1	1:F:328:SER:CB[2_757]	1.63	0.57
1:D:195:ALA:O	1:F:330:ASN:CA[2_757]	1.63	0.57
1:D:200:LYS:CA	1:F:311:HIS:CD2[2_757]	1.63	0.57
1:D:201:LEU:C	1:F:314:VAL:N[2_757]	1.63	0.57
1:D:202:ALA:C	1:F:313:THR:N[2_757]	1.63	0.57
1:D:202:ALA:C	1:F:313:THR:C[2_757]	1.63	0.57
1:D:204:ASP:CB	1:F:312:GLY:CA[2_757]	1.63	0.57

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:206:LYS:CG	1:F:76:THR:CA[2_757]	1.63	0.57
1:D:212:SER:CB	1:F:325:GLU:CB[2_757]	1.63	0.57
1:D:223:GLY:O	1:F:396:GLU:OE1[2_757]	1.63	0.57
1:D:229:PHE:CB	1:F:395:GLU:N[2_757]	1.63	0.57
1:D:232:VAL:C	1:F:398:LEU:CD2[2_757]	1.63	0.57
1:D:243:GLN:CG	1:F:14:LEU:CB[2_757]	1.63	0.57
1:D:296:ILE:CA	1:E:259:GLN:OE1[2_757]	1.63	0.57
1:D:301:ASP:CA	1:F:288:GLY:CA[2_757]	1.63	0.57
1:D:306:GLU:C	1:E:263:SER:CA[2_757]	1.63	0.57
1:D:309:ALA:CB	1:E:208:ASN:OD1[2_757]	1.63	0.57
1:D:335:ILE:C	1:E:268:ILE:O[2_757]	1.63	0.57
1:D:336:PHE:CD1	1:E:209:LEU:O[2_757]	1.63	0.57
1:D:368:THR:C	1:E:232:VAL:CB[2_757]	1.63	0.57
1:D:369:VAL:CA	1:E:233:TYR:N[2_757]	1.63	0.57
1:D:376:THR:CB	1:E:237:TYR:O[2_757]	1.63	0.57
1:D:378:ASP:CA	1:E:242:GLU:OE1[2_757]	1.63	0.57
1:F:120:ARG:CA	5:D:1450:HOH:O[2_757]	1.63	0.57
1:A:11:VAL:N	1:A:166:GLN:CB[2_757]	1.64	0.56
1:A:29:LYS:O	1:E:173:TYR:CZ[2_657]	1.64	0.56
1:A:33:LEU:O	1:E:174:ASP:CB[2_657]	1.64	0.56
1:A:44:ASP:CG	1:A:172:VAL:N[2_757]	1.64	0.56
1:A:46:SER:CA	1:A:153:LEU:O[2_757]	1.64	0.56
1:A:55:ASP:OD1	1:A:183:ALA:N[2_757]	1.64	0.56
1:A:63:GLU:OE2	1:B:180:VAL:N[2_757]	1.64	0.56
1:A:74:CYS:C	1:B:156:VAL:CG1[2_757]	1.64	0.56
1:A:85:LYS:O	1:B:188:ASP:CG[2_757]	1.64	0.56
1:A:95:SER:C	1:A:143:THR:CB[2_757]	1.64	0.56
1:A:95:SER:O	1:A:143:THR:OG1[2_757]	1.64	0.56
1:A:126:GLU:OE1	1:C:338:TRP:O[2_858]	1.64	0.56
1:A:207:LEU:CD1	1:C:353:ALA:CA[2_858]	1.64	0.56
1:A:216:THR:OG1	1:E:5:ILE:CA[2_757]	1.64	0.56
1:A:217:ILE:O	1:E:36:LEU:C[2_757]	1.64	0.56
1:A:219:LYS:CB	1:E:37:ASP:C[2_757]	1.64	0.56
1:A:219:LYS:N	1:E:37:ASP:OD1[2_757]	1.64	0.56
1:A:318:TYR:C	1:B:161:ASP:C[2_757]	1.64	0.56
1:A:329:THR:O	1:F:66:LYS:CG[2_657]	1.64	0.56
1:A:372:ASP:CA	1:F:96:PRO:CB[2_657]	1.64	0.56
1:A:381:LEU:CG	1:F:10:PRO:CB[2_657]	1.64	0.56
1:A:393:THR:CB	1:F:304:THR:CG2[2_657]	1.64	0.56
1:B:169:THR:N	3:A:1101:NDP:O7N[2_757]	1.64	0.56
1:B:169:THR:CA	3:A:1101:NDP:N7N[2_757]	1.64	0.56

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:12:VAL:CG2	1:E:369:VAL:CA[2_757]	1.64	0.56
1:B:73:LYS:CG	1:E:408:GLU:OE1[2_757]	1.64	0.56
1:B:87:PHE:CA	1:E:347:GLU:CB[2_757]	1.64	0.56
1:B:87:PHE:C	1:E:347:GLU:CA[2_757]	1.64	0.56
1:B:93:TRP:CH2	1:E:341:GLY:CA[2_757]	1.64	0.56
1:B:93:TRP:CE2	1:E:341:GLY:CA[2_757]	1.64	0.56
1:B:100:ILE:O	1:E:402:GLU:N[2_757]	1.64	0.56
1:B:103:ILE:CG2	1:E:398:LEU:CA[2_757]	1.64	0.56
1:B:141:LYS:NZ	1:E:28:LYS:C[2_757]	1.64	0.56
1:B:141:LYS:NZ	1:E:29:LYS:CA[2_757]	1.64	0.56
1:B:287:PHE:CA	1:C:66:LYS:CD[2_858]	1.64	0.56
1:B:287:PHE:CG	1:C:66:LYS:NZ[2_858]	1.64	0.56
1:B:308:GLU:OE2	1:E:407:LYS:CA[2_757]	1.64	0.56
1:B:318:TYR:CE1	1:C:236:GLN:C[2_858]	1.64	0.56
1:B:319:ARG:CA	1:C:203:ILE:CG2[2_858]	1.64	0.56
1:B:321:TYR:C	1:C:241:PHE:CE1[2_858]	1.64	0.56
1:B:329:THR:C	1:C:193:GLY:C[2_858]	1.64	0.56
1:B:354:LEU:N	1:C:164:THR:CA[2_858]	1.64	0.56
1:B:367:ASN:N	1:C:185:TYR:CG[2_858]	1.64	0.56
1:B:394:THR:N	1:C:229:PHE:CE2[2_858]	1.64	0.56
1:B:399:ASP:CB	1:C:222:ASP:C[2_858]	1.64	0.56
1:B:404:ARG:CG	1:D:181:ALA:N[2_858]	1.64	0.56
1:B:410:LYS:CA	1:C:170:LEU:CD2[2_858]	1.64	0.56
1:C:324:GLY:O	3:C:1301:NDP:O2X[2_958]	1.64	0.56
1:D:2:PHE:O	1:E:306:GLU:OE2[2_757]	1.64	0.56
1:D:4:LYS:NZ	1:E:295:SER:C[2_757]	1.64	0.56
1:D:13:GLU:C	1:E:128:PRO:N[2_757]	1.64	0.56
1:D:32:ILE:N	1:E:109:PHE:CB[2_757]	1.64	0.56
1:D:40:LEU:CB	1:E:112:PRO:CB[2_757]	1.64	0.56
1:D:68:TYR:CG	1:E:286:GLY:O[2_757]	1.64	0.56
1:D:115:ILE:CD1	1:E:233:TYR:CD2[2_757]	1.64	0.56
1:D:136:HIS:CA	1:F:385:ASN:O[2_757]	1.64	0.56
1:D:210:PHE:CD1	1:F:318:TYR:O[2_757]	1.64	0.56
1:D:211:LEU:CB	1:F:327:THR:CB[2_757]	1.64	0.56
1:D:225:PHE:CB	1:F:393:THR:CG2[2_757]	1.64	0.56
1:D:228:ILE:C	1:F:397:PHE:CA[2_757]	1.64	0.56
1:D:229:PHE:O	1:F:398:LEU:CD1[2_757]	1.64	0.56
1:D:233:TYR:CG	1:F:23:ILE:CA[2_757]	1.64	0.56
1:D:234:GLU:OE1	1:F:30:LYS:CG[2_757]	1.64	0.56
1:D:236:GLN:CD	1:F:335:ILE:CB[2_757]	1.64	0.56
1:D:236:GLN:CG	1:F:335:ILE:CB[2_757]	1.64	0.56

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:256:MET:N	1:F:323:LYS:C[2_757]	1.64	0.56
1:D:291:GLY:O	1:E:247:HIS:CA[2_757]	1.64	0.56
1:D:334:SER:CA	1:E:208:ASN:O[2_757]	1.64	0.56
1:D:352:PRO:O	1:E:274:TYR:CG[2_757]	1.64	0.56
1:D:366:LEU:CB	1:E:229:PHE:C[2_757]	1.64	0.56
1:D:366:LEU:CA	1:E:229:PHE:C[2_757]	1.64	0.56
1:D:368:THR:N	1:E:232:VAL:CG1[2_757]	1.64	0.56
1:D:375:MET:N	1:E:236:GLN:N[2_757]	1.64	0.56
1:D:377:LYS:N	1:E:239:SER:C[2_757]	1.64	0.56
1:D:392:VAL:CB	1:E:240:LYS:NZ[2_757]	1.64	0.56
1:D:411:SER:OG	1:E:186:ASN:OD1[2_757]	1.64	0.56
1:D:411:SER:N	1:E:136:HIS:ND1[2_757]	1.64	0.56
1:D:411:SER:N	1:E:136:HIS:CD2[2_757]	1.64	0.56
1:E:49:SER:CA	1:E:177:GLY:CA[2_657]	1.64	0.56
1:E:50:ARG:CG	1:E:148:PRO:O[2_657]	1.64	0.56
1:E:50:ARG:CB	1:E:149:GLY:CA[2_657]	1.64	0.56
1:E:52:ALA:CB	1:E:175:TYR:CA[2_657]	1.64	0.56
1:E:58:THR:CG2	1:F:165:ALA:C[2_657]	1.64	0.56
1:E:59:GLN:C	1:F:162:PRO:CB[2_657]	1.64	0.56
1:A:18:GLU:N	1:B:158:LYS:O[2_757]	1.65	0.55
1:A:28:LYS:CG	1:E:176:LYS:CE[2_657]	1.65	0.55
1:A:44:ASP:CG	1:A:171:LYS:O[2_757]	1.65	0.55
1:A:57:ILE:CD1	1:B:143:THR:CB[2_757]	1.65	0.55
1:A:59:GLN:O	1:B:181:ALA:N[2_757]	1.65	0.55
1:A:81:GLU:O	1:B:224:ARG:NE[2_757]	1.65	0.55
1:A:85:LYS:C	1:B:188:ASP:OD2[2_757]	1.65	0.55
1:A:92:MET:CG	1:B:220:LYS:CA[2_757]	1.65	0.55
1:A:93:TRP:CB	1:A:182:MET:CA[2_757]	1.65	0.55
1:A:93:TRP:CD2	1:A:182:MET:CG[2_757]	1.65	0.55
1:A:118:ILE:CG1	1:F:43:TYR:CD2[2_657]	1.65	0.55
1:A:120:ARG:O	1:C:41:LYS:CB[2_858]	1.65	0.55
1:A:163:THR:OG1	1:A:349:ASP:OD1[2_757]	1.65	0.55
1:A:219:LYS:CA	1:E:37:ASP:OD2[2_757]	1.65	0.55
1:A:261:ILE:CB	1:C:69:GLY:CA[2_858]	1.65	0.55
1:A:265:GLY:C	1:C:342:LEU:O[2_858]	1.65	0.55
1:A:266:GLY:O	1:C:354:LEU:C[2_858]	1.65	0.55
1:A:306:GLU:CB	1:B:152:SER:CB[2_757]	1.65	0.55
1:A:317:HIS:CA	1:B:163:THR:N[2_757]	1.65	0.55
1:A:328:SER:C	1:F:67:LYS:N[2_657]	1.65	0.55
1:A:383:CYS:CB	1:F:42:TYR:N[2_657]	1.65	0.55
1:A:397:PHE:O	1:F:103:ILE:CB[2_657]	1.65	0.55

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:410:LYS:CG	1:F:144:ASP:OD1[2_657]	1.65	0.55
1:B:169:THR:N	3:A:1101:NDP:C2N[2_757]	1.65	0.55
1:B:10:PRO:CA	1:E:117:ARG:CZ[2_757]	1.65	0.55
1:B:27:ILE:N	1:C:231:GLU:OE1[2_858]	1.65	0.55
1:B:40:LEU:O	1:E:116:PRO:CD[2_757]	1.65	0.55
1:B:54:SER:C	1:E:337:ALA:C[2_757]	1.65	0.55
1:B:60:ASP:CB	1:E:332:ILE:CB[2_757]	1.65	0.55
1:B:79:PRO:N	1:E:354:LEU:CG[2_757]	1.65	0.55
1:B:81:GLU:O	1:E:349:ASP:CB[2_757]	1.65	0.55
1:B:118:ILE:CG1	1:C:102:ASN:CA[2_858]	1.65	0.55
1:B:118:ILE:CA	1:C:101:ARG:C[2_858]	1.65	0.55
1:B:306:GLU:CB	1:E:404:ARG:CG[2_757]	1.65	0.55
1:B:313:THR:OG1	1:E:356:LYS:CD[2_757]	1.65	0.55
1:B:319:ARG:N	1:C:203:ILE:CG1[2_858]	1.65	0.55
1:B:325:GLU:OE2	1:C:206:LYS:C[2_858]	1.65	0.55
1:B:329:THR:N	1:C:194:PHE:C[2_858]	1.65	0.55
1:B:331:SER:N	1:C:192:GLU:C[2_858]	1.65	0.55
1:B:354:LEU:C	1:C:164:THR:OG1[2_858]	1.65	0.55
1:B:358:ALA:CA	1:D:150:PRO:CD[2_858]	1.65	0.55
1:B:375:MET:CA	1:C:134:HIS:CG[2_858]	1.65	0.55
1:B:379:LEU:CD2	1:C:105:GLY:CA[2_858]	1.65	0.55
1:B:392:VAL:CB	1:C:272:LYS:N[2_858]	1.65	0.55
1:B:404:ARG:CA	1:D:181:ALA:O[2_858]	1.65	0.55
1:B:405:LEU:C	1:D:146:LEU:N[2_858]	1.65	0.55
1:B:406:GLN:CD	1:C:220:LYS:CG[2_858]	1.65	0.55
1:B:408:GLU:CG	1:D:153:LEU:CD2[2_858]	1.65	0.55
1:B:409:ILE:CG2	1:C:168:GLN:NE2[2_858]	1.65	0.55
1:B:411:SER:O	1:C:157:TYR:O[2_858]	1.65	0.55
1:D:2:PHE:C	5:E:1531:HOH:O[2_757]	1.65	0.55
1:D:3:SER:C	1:E:101:ARG:NH2[2_757]	1.65	0.55
1:D:12:VAL:CG1	1:E:125:TRP:O[2_757]	1.65	0.55
1:D:12:VAL:N	1:E:287:PHE:CD1[2_757]	1.65	0.55
1:D:26:LYS:CD	1:E:204:ASP:CB[2_757]	1.65	0.55
1:D:32:ILE:O	1:E:109:PHE:O[2_757]	1.65	0.55
1:D:68:TYR:CA	1:E:121:LEU:C[2_757]	1.65	0.55
1:D:137:GLY:C	1:F:387:GLU:C[2_757]	1.65	0.55
1:D:138:ASP:OD2	1:F:388:ARG:CB[2_757]	1.65	0.55
1:D:188:ASP:CB	1:F:374:ILE:CA[2_757]	1.65	0.55
1:D:197:SER:CA	3:F:1601:NDP:C2A[2_757]	1.65	0.55
1:D:197:SER:CB	3:F:1601:NDP:C2A[2_757]	1.65	0.55
1:D:200:LYS:CA	1:F:311:HIS:NE2[2_757]	1.65	0.55

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:202:ALA:CA	1:F:313:THR:CA[2_757]	1.65	0.55
1:D:204:ASP:C	3:F:1601:NDP:C6N[2_757]	1.65	0.55
1:D:205:LYS:CG	3:F:1601:NDP:PN[2_757]	1.65	0.55
1:D:210:PHE:CG	1:F:321:TYR:CB[2_757]	1.65	0.55
1:D:233:TYR:N	1:F:398:LEU:CD1[2_757]	1.65	0.55
1:D:241:PHE:CZ	1:F:19:MET:O[2_757]	1.65	0.55
1:D:248:TYR:CA	1:F:22:ILE:CD1[2_757]	1.65	0.55
1:D:268:ILE:CA	1:F:315:THR:C[2_757]	1.65	0.55
1:D:269:MET:CB	1:F:320:LYS:N[2_757]	1.65	0.55
1:D:303:LYS:NZ	1:F:287:PHE:CE2[2_757]	1.65	0.55
1:D:337:ALA:CB	1:E:267:PHE:CG[2_757]	1.65	0.55
1:D:343:LEU:CG	1:E:253:ILE:CD1[2_757]	1.65	0.55
1:D:346:GLY:CA	1:E:279:GLN:NE2[2_757]	1.65	0.55
1:D:349:ASP:OD2	1:E:282:ILE:CB[2_757]	1.65	0.55
1:D:356:LYS:CG	1:E:274:TYR:CB[2_757]	1.65	0.55
1:D:358:ALA:CB	1:E:271:LEU:CD1[2_757]	1.65	0.55
1:D:359:ASN:N	5:E:1517:HOH:O[2_757]	1.65	0.55
1:D:362:GLU:N	1:E:270:ALA:CB[2_757]	1.65	0.55
1:D:363:SER:CA	1:E:229:PHE:CD1[2_757]	1.65	0.55
1:D:364:ALA:CA	1:E:195:ALA:CA[2_757]	1.65	0.55
1:D:368:THR:CG2	1:E:237:TYR:CE1[2_757]	1.65	0.55
1:D:369:VAL:CG2	1:E:233:TYR:O[2_757]	1.65	0.55
1:D:374:ILE:C	1:E:236:GLN:CG[2_757]	1.65	0.55
1:D:398:LEU:O	1:E:200:LYS:CA[2_757]	1.65	0.55
1:D:409:ILE:C	1:E:136:HIS:CB[2_757]	1.65	0.55
1:D:411:SER:C	1:E:137:GLY:CA[2_757]	1.65	0.55
1:E:92:MET:CA	1:E:146:LEU:CD2[2_657]	1.65	0.55
1:A:3:SER:CB	1:E:170:LEU:N[2_657]	1.66	0.54
1:A:12:VAL:CG2	1:A:166:GLN:O[2_757]	1.66	0.54
1:A:34:PRO:CA	1:E:173:TYR:CA[2_657]	1.66	0.54
1:A:35:TYR:O	1:E:171:LYS:CE[2_657]	1.66	0.54
1:A:44:ASP:CB	1:A:171:LYS:O[2_757]	1.66	0.54
1:A:46:SER:C	1:A:153:LEU:CB[2_757]	1.66	0.54
1:A:49:SER:CB	1:A:172:VAL:O[2_757]	1.66	0.54
1:A:60:ASP:CB	1:B:145:THR:CA[2_757]	1.66	0.54
1:A:61:ALA:C	1:B:147:ILE:CD1[2_757]	1.66	0.54
1:A:63:GLU:CG	1:B:179:GLY:C[2_757]	1.66	0.54
1:A:74:CYS:C	1:B:156:VAL:CG2[2_757]	1.66	0.54
1:A:100:ILE:CB	1:B:153:LEU:CB[2_757]	1.66	0.54
1:A:103:ILE:CA	1:B:173:TYR:CE1[2_757]	1.66	0.54
1:A:129:ILE:CG2	1:C:349:ASP:OD2[2_858]	1.66	0.54

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:149:GLY:CA	1:A:319:ARG:NH1[2_757]	1.66	0.54
1:A:217:ILE:CB	1:E:4:LYS:CB[2_757]	1.66	0.54
1:A:267:PHE:N	1:C:354:LEU:CB[2_858]	1.66	0.54
1:A:317:HIS:N	1:B:163:THR:N[2_757]	1.66	0.54
1:A:327:THR:N	1:F:303:LYS:O[2_657]	1.66	0.54
1:A:367:ASN:CA	1:F:55:ASP:CG[2_657]	1.66	0.54
1:A:372:ASP:CG	1:F:96:PRO:CG[2_657]	1.66	0.54
1:A:378:ASP:CA	1:F:68:TYR:CD1[2_657]	1.66	0.54
1:A:380:ALA:O	1:F:41:LYS:N[2_657]	1.66	0.54
1:A:394:THR:CG2	1:F:66:LYS:NZ[2_657]	1.66	0.54
1:B:168:GLN:CG	3:A:1101:NDP:C4D[2_757]	1.66	0.54
1:B:12:VAL:C	1:E:367:ASN:CA[2_757]	1.66	0.54
1:B:19:MET:O	1:C:232:VAL:CG1[2_858]	1.66	0.54
1:B:45:LEU:CG	1:E:362:GLU:N[2_757]	1.66	0.54
1:B:59:GLN:CG	1:E:335:ILE:N[2_757]	1.66	0.54
1:B:84:VAL:CB	1:E:349:ASP:CG[2_757]	1.66	0.54
1:B:102:ASN:OD1	1:E:30:LYS:CB[2_757]	1.66	0.54
1:B:110:ARG:CG	1:E:410:LYS:CD[2_757]	1.66	0.54
1:B:122:VAL:CB	1:C:64:ALA:C[2_858]	1.66	0.54
1:B:124:ARG:CD	5:C:1340:HOH:O[2_858]	1.66	0.54
1:B:140:TYR:O	1:E:34:PRO:CA[2_757]	1.66	0.54
1:B:285:GLN:OE1	1:C:303:LYS:N[2_858]	1.66	0.54
1:B:291:GLY:CA	1:C:300:PRO:CG[2_858]	1.66	0.54
1:B:322:GLN:CA	1:C:241:PHE:CG[2_858]	1.66	0.54
1:B:325:GLU:CA	1:C:208:ASN:C[2_858]	1.66	0.54
1:B:360:ILE:CB	1:C:157:TYR:CE1[2_858]	1.66	0.54
1:B:362:GLU:OE1	1:D:176:LYS:C[2_858]	1.66	0.54
1:B:364:ALA:CA	1:D:175:TYR:OH[2_858]	1.66	0.54
1:B:387:GLU:CA	1:C:280:SER:CB[2_858]	1.66	0.54
1:B:398:LEU:CD2	1:C:228:ILE:CG1[2_858]	1.66	0.54
1:B:407:LYS:CG	1:D:144:ASP:C[2_858]	1.66	0.54
1:B:409:ILE:CA	1:C:168:GLN:NE2[2_858]	1.66	0.54
1:B:411:SER:C	1:C:168:GLN:O[2_858]	1.66	0.54
1:C:314:VAL:C	1:C:323:LYS:CG[2_958]	1.66	0.54
1:C:316:ARG:O	1:C:321:TYR:N[2_958]	1.66	0.54
1:D:6:LYS:O	1:E:281:ASP:CG[2_757]	1.66	0.54
1:D:7:VAL:CG1	1:E:280:SER:C[2_757]	1.66	0.54
1:D:13:GLU:CA	1:E:128:PRO:N[2_757]	1.66	0.54
1:D:14:LEU:CG	1:E:127:LYS:N[2_757]	1.66	0.54
1:D:26:LYS:CG	1:E:204:ASP:C[2_757]	1.66	0.54
1:D:28:LYS:CB	1:E:130:ILE:CD1[2_757]	1.66	0.54

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:28:LYS:CD	1:E:111:GLU:OE1[2_757]	1.66	0.54
1:D:40:LEU:N	1:E:112:PRO:CA[2_757]	1.66	0.54
1:D:134:HIS:CD2	1:F:377:LYS:CB[2_757]	1.66	0.54
1:D:135:ALA:N	1:F:381:LEU:CD1[2_757]	1.66	0.54
1:D:136:HIS:CD2	1:F:385:ASN:N[2_757]	1.66	0.54
1:D:192:GLU:C	1:F:376:THR:OG1[2_757]	1.66	0.54
1:D:205:LYS:CB	3:F:1601:NDP:O4D[2_757]	1.66	0.54
1:D:210:PHE:CB	1:F:321:TYR:N[2_757]	1.66	0.54
1:D:228:ILE:N	1:F:396:GLU:O[2_757]	1.66	0.54
1:D:236:GLN:CG	1:F:335:ILE:N[2_757]	1.66	0.54
1:D:238:LYS:N	1:F:24:TRP:CA[2_757]	1.66	0.54
1:D:238:LYS:CG	1:F:24:TRP:O[2_757]	1.66	0.54
1:D:241:PHE:CA	1:F:74:CYS:SG[2_757]	1.66	0.54
1:D:242:GLU:C	1:F:15:ASP:OD1[2_757]	1.66	0.54
1:D:256:MET:SD	1:F:323:LYS:N[2_757]	1.66	0.54
1:D:291:GLY:O	1:E:247:HIS:C[2_757]	1.66	0.54
1:D:338:TRP:CG	1:E:267:PHE:O[2_757]	1.66	0.54
1:D:343:LEU:C	1:E:257:VAL:CG1[2_757]	1.66	0.54
1:D:345:ARG:CD	1:E:282:ILE:O[2_757]	1.66	0.54
1:D:352:PRO:CB	1:E:274:TYR:OH[2_757]	1.66	0.54
1:D:353:ALA:CA	1:E:274:TYR:O[2_757]	1.66	0.54
1:D:358:ALA:CB	1:E:271:LEU:CB[2_757]	1.66	0.54
1:D:369:VAL:CA	1:E:232:VAL:CA[2_757]	1.66	0.54
1:D:369:VAL:N	1:E:232:VAL:CB[2_757]	1.66	0.54
1:D:406:GLN:CA	1:E:106:GLY:CA[2_757]	1.66	0.54
1:D:410:LYS:C	1:E:136:HIS:CD2[2_757]	1.66	0.54
1:E:61:ALA:CB	1:F:161:ASP:CG[2_657]	1.66	0.54
1:E:85:LYS:CA	1:F:224:ARG:O[2_657]	1.66	0.54
1:A:10:PRO:O	1:A:166:GLN:CG[2_757]	1.67	0.53
1:A:28:LYS:CG	1:E:176:LYS:NZ[2_657]	1.67	0.53
1:A:36:LEU:CA	1:E:171:LYS:CE[2_657]	1.67	0.53
1:A:57:ILE:CG1	1:B:143:THR:O[2_757]	1.67	0.53
1:A:83:ARG:CZ	1:A:148:PRO:N[2_757]	1.67	0.53
1:A:92:MET:CG	1:B:220:LYS:O[2_757]	1.67	0.53
1:A:93:TRP:CE3	1:A:182:MET:CE[2_757]	1.67	0.53
1:A:102:ASN:CG	1:A:185:TYR:OH[2_757]	1.67	0.53
1:A:120:ARG:CD	1:C:40:LEU:CD2[2_858]	1.67	0.53
1:A:123:PRO:O	1:C:12:VAL:O[2_858]	1.67	0.53
1:A:125:TRP:CD2	1:C:10:PRO:O[2_858]	1.67	0.53
1:A:216:THR:N	1:E:6:LYS:N[2_757]	1.67	0.53
1:A:262:LYS:O	1:C:305:PHE:CB[2_858]	1.67	0.53

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:264:LYS:NZ	1:C:337:ALA:O[2_858]	1.67	0.53
1:A:267:PHE:CB	1:C:346:GLY:CA[2_858]	1.67	0.53
1:A:268:ILE:O	1:C:350:ASN:CA[2_858]	1.67	0.53
1:A:269:MET:CA	1:C:349:ASP:O[2_858]	1.67	0.53
1:A:320:LYS:CG	1:B:163:THR:CB[2_757]	1.67	0.53
1:A:383:CYS:CA	1:F:42:TYR:CB[2_657]	1.67	0.53
1:A:386:ASN:ND2	1:F:38:VAL:C[2_657]	1.67	0.53
1:A:391:TYR:CE1	1:F:69:GLY:C[2_657]	1.67	0.53
1:A:398:LEU:N	1:F:103:ILE:CA[2_657]	1.67	0.53
1:A:400:ALA:N	1:F:101:ARG:C[2_657]	1.67	0.53
1:A:406:GLN:CG	1:F:141:LYS:C[2_657]	1.67	0.53
1:B:23:ILE:N	1:C:232:VAL:CG2[2_858]	1.67	0.53
1:B:26:LYS:CG	1:C:227:ASP:O[2_858]	1.67	0.53
1:B:26:LYS:CE	1:C:230:GLN:C[2_858]	1.67	0.53
1:B:39:ASP:OD1	1:E:116:PRO:O[2_757]	1.67	0.53
1:B:43:TYR:OH	1:E:115:ILE:CD1[2_757]	1.67	0.53
1:B:47:VAL:C	1:E:343:LEU:CD1[2_757]	1.67	0.53
1:B:67:LYS:CB	1:E:375:MET:CB[2_757]	1.67	0.53
1:B:83:ARG:CZ	1:E:352:PRO:CG[2_757]	1.67	0.53
1:B:84:VAL:CG2	1:E:349:ASP:OD2[2_757]	1.67	0.53
1:B:93:TRP:CB	1:E:342:LEU:CD2[2_757]	1.67	0.53
1:B:99:THR:CB	1:E:31:LEU:CB[2_757]	1.67	0.53
1:B:123:PRO:CA	1:C:61:ALA:O[2_858]	1.67	0.53
1:B:140:TYR:O	1:E:34:PRO:CB[2_757]	1.67	0.53
1:B:308:GLU:OE1	1:E:408:GLU:CA[2_757]	1.67	0.53
1:B:321:TYR:CE1	1:C:233:TYR:CE1[2_858]	1.67	0.53
1:B:330:ASN:C	1:C:192:GLU:C[2_858]	1.67	0.53
1:B:386:ASN:O	1:C:110:ARG:CA[2_858]	1.67	0.53
1:B:386:ASN:ND2	1:C:295:SER:N[2_858]	1.67	0.53
1:B:389:SER:O	1:C:276:GLY:C[2_858]	1.67	0.53
1:B:389:SER:O	1:C:275:ASP:O[2_858]	1.67	0.53
1:B:402:GLU:O	1:D:146:LEU:CD1[2_858]	1.67	0.53
1:B:404:ARG:NE	1:C:184:MET:C[2_858]	1.67	0.53
1:B:409:ILE:C	1:C:168:GLN:OE1[2_858]	1.67	0.53
1:B:410:LYS:CG	1:C:170:LEU:CD1[2_858]	1.67	0.53
1:B:411:SER:CA	1:C:169:THR:N[2_858]	1.67	0.53
1:C:326:GLU:OE2	1:C:328:SER:CB[2_958]	1.67	0.53
1:D:3:SER:CA	5:E:1531:HOH:O[2_757]	1.67	0.53
1:D:4:LYS:CE	1:E:295:SER:O[2_757]	1.67	0.53
1:D:7:VAL:CA	1:E:281:ASP:CA[2_757]	1.67	0.53
1:D:13:GLU:CB	1:E:128:PRO:N[2_757]	1.67	0.53

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:24:TRP:CH2	1:E:266:GLY:CA[2_757]	1.67	0.53
1:D:24:TRP:CA	1:E:205:LYS:O[2_757]	1.67	0.53
1:D:38:VAL:CA	1:E:293:MET:CB[2_757]	1.67	0.53
1:D:42:TYR:N	1:E:114:VAL:CG2[2_757]	1.67	0.53
1:D:113:ILE:CD1	1:E:249:GLU:CB[2_757]	1.67	0.53
1:D:134:HIS:CG	1:F:377:LYS:CB[2_757]	1.67	0.53
1:D:136:HIS:CD2	1:F:385:ASN:O[2_757]	1.67	0.53
1:D:137:GLY:C	1:F:387:GLU:N[2_757]	1.67	0.53
1:D:196:HIS:CE1	1:F:332:ILE:CG1[2_757]	1.67	0.53
1:D:196:HIS:CA	1:F:330:ASN:CG[2_757]	1.67	0.53
1:D:196:HIS:NE2	1:F:332:ILE:CB[2_757]	1.67	0.53
1:D:225:PHE:CE2	1:F:391:TYR:CE1[2_757]	1.67	0.53
1:D:238:LYS:CG	1:F:24:TRP:C[2_757]	1.67	0.53
1:D:243:GLN:CB	1:F:15:ASP:N[2_757]	1.67	0.53
1:D:296:ILE:CD1	1:E:259:GLN:C[2_757]	1.67	0.53
1:D:303:LYS:CB	1:F:286:GLY:C[2_757]	1.67	0.53
1:D:328:SER:CA	1:E:243:GLN:OE1[2_757]	1.67	0.53
1:D:333:ALA:N	1:E:247:HIS:C[2_757]	1.67	0.53
1:D:337:ALA:N	1:E:210:PHE:CD1[2_757]	1.67	0.53
1:D:344:LYS:CE	1:E:257:VAL:C[2_757]	1.67	0.53
1:D:344:LYS:CB	1:E:257:VAL:O[2_757]	1.67	0.53
1:D:355:CYS:CB	1:E:275:ASP:OD1[2_757]	1.67	0.53
1:D:408:GLU:O	1:E:134:HIS:CD2[2_757]	1.67	0.53
1:E:50:ARG:NE	1:E:148:PRO:O[2_657]	1.67	0.53
1:E:50:ARG:N	1:E:149:GLY:CA[2_657]	1.67	0.53
1:E:52:ALA:O	1:E:175:TYR:N[2_657]	1.67	0.53
1:E:54:SER:OG	1:E:153:LEU:CD2[2_657]	1.67	0.53
1:E:55:ASP:C	1:F:157:TYR:CZ[2_657]	1.67	0.53
1:A:21:ARG:N	1:B:158:LYS:CB[2_757]	1.68	0.52
1:A:48:GLU:CB	1:A:173:TYR:CD1[2_757]	1.68	0.52
1:A:51:ASP:O	1:B:138:ASP:C[2_757]	1.68	0.52
1:A:55:ASP:O	1:B:182:MET:C[2_757]	1.68	0.52
1:A:63:GLU:OE1	1:B:180:VAL:CA[2_757]	1.68	0.52
1:A:74:CYS:C	1:B:156:VAL:CB[2_757]	1.68	0.52
1:A:75:ALA:C	1:B:156:VAL:CA[2_757]	1.68	0.52
1:A:76:THR:CB	1:B:155:LEU:C[2_757]	1.68	0.52
1:A:78:THR:C	1:A:145:THR:OG1[2_757]	1.68	0.52
1:A:83:ARG:NE	1:A:148:PRO:CD[2_757]	1.68	0.52
1:A:89:LEU:CD1	1:A:180:VAL:CB[2_757]	1.68	0.52
1:A:117:ARG:CB	1:F:44:ASP:O[2_657]	1.68	0.52
1:A:131:ILE:CG1	1:C:8:LYS:CD[2_858]	1.68	0.52

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:219:LYS:N	1:E:37:ASP:CA[2_757]	1.68	0.52
1:A:219:LYS:C	1:E:37:ASP:OD2[2_757]	1.68	0.52
1:A:269:MET:SD	1:C:348:LEU:O[2_858]	1.68	0.52
1:A:318:TYR:CG	1:B:159:PRO:C[2_757]	1.68	0.52
1:A:372:ASP:OD1	1:F:96:PRO:CG[2_657]	1.68	0.52
1:A:380:ALA:O	1:F:41:LYS:C[2_657]	1.68	0.52
1:A:384:GLY:C	1:F:40:LEU:CA[2_657]	1.68	0.52
1:A:398:LEU:C	1:F:102:ASN:O[2_657]	1.68	0.52
1:A:402:GLU:N	1:F:102:ASN:OD1[2_657]	1.68	0.52
1:F:66:LYS:CG	5:A:1105:HOH:O[2_657]	1.68	0.52
1:B:164:THR:N	5:A:1107:HOH:O[2_757]	1.68	0.52
1:B:11:VAL:CG1	1:E:371:GLN:CA[2_757]	1.68	0.52
1:B:63:GLU:OE2	1:E:331:SER:CA[2_757]	1.68	0.52
1:B:70:VAL:CG1	1:E:372:ASP:OD1[2_757]	1.68	0.52
1:B:70:VAL:CA	1:E:372:ASP:OD1[2_757]	1.68	0.52
1:B:71:GLY:N	1:E:372:ASP:OD1[2_757]	1.68	0.52
1:B:73:LYS:CE	1:E:360:ILE:C[2_757]	1.68	0.52
1:B:76:THR:OG1	1:E:360:ILE:CG1[2_757]	1.68	0.52
1:B:78:THR:CB	1:E:5:ILE:CD1[2_757]	1.68	0.52
1:B:90:HIS:NE2	1:E:305:PHE:O[2_757]	1.68	0.52
1:B:104:LEU:CA	1:E:399:ASP:CA[2_757]	1.68	0.52
1:B:117:ARG:CG	1:C:140:TYR:O[2_858]	1.68	0.52
1:B:117:ARG:NE	1:C:140:TYR:C[2_858]	1.68	0.52
1:B:118:ILE:C	1:C:100:ILE:O[2_858]	1.68	0.52
1:B:119:PRO:CA	1:C:100:ILE:CB[2_858]	1.68	0.52
1:B:122:VAL:CG2	1:C:67:LYS:N[2_858]	1.68	0.52
1:B:285:GLN:O	1:C:304:THR:CB[2_858]	1.68	0.52
1:B:297:LEU:CG	1:E:403:LYS:CB[2_757]	1.68	0.52
1:B:310:ALA:CB	1:E:410:LYS:O[2_757]	1.68	0.52
1:B:317:HIS:C	1:C:199:PHE:O[2_858]	1.68	0.52
1:B:319:ARG:CG	1:C:203:ILE:CG2[2_858]	1.68	0.52
1:B:323:LYS:CE	1:C:206:LYS:CA[2_858]	1.68	0.52
1:B:330:ASN:ND2	1:C:190:SER:O[2_858]	1.68	0.52
1:B:331:SER:CA	1:C:192:GLU:CB[2_858]	1.68	0.52
1:B:363:SER:N	1:D:175:TYR:CA[2_858]	1.68	0.52
1:B:377:LYS:CE	1:C:109:PHE:CD1[2_858]	1.68	0.52
1:B:379:LEU:N	1:C:106:GLY:O[2_858]	1.68	0.52
1:B:383:CYS:CA	1:C:101:ARG:CD[2_858]	1.68	0.52
1:D:24:TRP:O	1:E:205:LYS:CD[2_757]	1.68	0.52
1:D:26:LYS:N	1:E:205:LYS:CG[2_757]	1.68	0.52
1:D:38:VAL:CG1	1:E:293:MET:CE[2_757]	1.68	0.52

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:65:ILE:O	1:E:122:VAL:CA[2_757]	1.68	0.52
1:D:68:TYR:CD1	1:E:121:LEU:N[2_757]	1.68	0.52
1:D:191:ILE:CB	1:F:392:VAL:N[2_757]	1.68	0.52
1:D:194:PHE:CD1	1:F:328:SER:OG[2_757]	1.68	0.52
1:D:210:PHE:N	1:F:19:MET:CE[2_757]	1.68	0.52
1:D:228:ILE:CB	1:F:397:PHE:CA[2_757]	1.68	0.52
1:D:229:PHE:CG	1:F:394:THR:CB[2_757]	1.68	0.52
1:D:234:GLU:CA	1:F:27:ILE:N[2_757]	1.68	0.52
1:D:238:LYS:C	1:F:24:TRP:CG[2_757]	1.68	0.52
1:D:246:ILE:CG1	1:F:17:ASP:C[2_757]	1.68	0.52
1:D:249:GLU:CA	1:F:321:TYR:CE1[2_757]	1.68	0.52
1:D:301:ASP:CB	1:F:288:GLY:CA[2_757]	1.68	0.52
1:D:333:ALA:C	1:E:208:ASN:C[2_757]	1.68	0.52
1:D:336:PHE:CB	1:E:209:LEU:C[2_757]	1.68	0.52
1:D:344:LYS:CD	1:E:257:VAL:O[2_757]	1.68	0.52
1:D:345:ARG:O	1:E:282:ILE:CG1[2_757]	1.68	0.52
1:D:352:PRO:O	1:E:274:TYR:C[2_757]	1.68	0.52
1:D:357:PHE:C	1:E:271:LEU:O[2_757]	1.68	0.52
1:D:361:LEU:CB	1:E:270:ALA:CA[2_757]	1.68	0.52
1:D:368:THR:CB	1:E:232:VAL:CG1[2_757]	1.68	0.52
1:D:369:VAL:CB	1:E:232:VAL:C[2_757]	1.68	0.52
1:D:401:VAL:O	1:E:196:HIS:C[2_757]	1.68	0.52
1:D:404:ARG:CA	1:E:193:GLY:C[2_757]	1.68	0.52
1:E:58:THR:CA	1:F:165:ALA:CB[2_657]	1.68	0.52
1:E:86:GLU:CB	1:F:228:ILE:CA[2_657]	1.68	0.52
1:E:87:PHE:CB	1:F:188:ASP:CA[2_657]	1.68	0.52
1:A:2:PHE:CG	1:E:155:LEU:CB[2_657]	1.69	0.51
1:A:14:LEU:N	1:A:168:GLN:O[2_757]	1.69	0.51
1:A:45:LEU:CB	1:A:155:LEU:CA[2_757]	1.69	0.51
1:A:46:SER:N	1:A:153:LEU:C[2_757]	1.69	0.51
1:A:59:GLN:O	1:B:181:ALA:CB[2_757]	1.69	0.51
1:A:83:ARG:CD	1:A:147:ILE:C[2_757]	1.69	0.51
1:A:86:GLU:CA	1:A:178:SER:O[2_757]	1.69	0.51
1:A:90:HIS:CE1	1:B:272:LYS:CB[2_757]	1.69	0.51
1:A:92:MET:N	1:B:221:TYR:CA[2_757]	1.69	0.51
1:A:93:TRP:CE3	1:A:182:MET:CG[2_757]	1.69	0.51
1:A:101:ARG:NH1	1:B:171:LYS:CB[2_757]	1.69	0.51
1:A:101:ARG:CG	1:B:171:LYS:CE[2_757]	1.69	0.51
1:A:104:LEU:CB	1:B:175:TYR:N[2_757]	1.69	0.51
1:A:111:GLU:CD	1:C:6:LYS:CA[2_858]	1.69	0.51
1:A:119:PRO:CB	1:C:42:TYR:N[2_858]	1.69	0.51

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:120:ARG:N	1:C:42:TYR:N[2_858]	1.69	0.51
1:A:123:PRO:CB	1:C:12:VAL:C[2_858]	1.69	0.51
1:A:141:LYS:CB	1:A:141:LYS:CE[2_757]	1.69	0.51
1:A:160:SER:N	1:A:305:PHE:N[2_757]	1.69	0.51
1:A:207:LEU:CB	1:C:352:PRO:O[2_858]	1.69	0.51
1:A:214:LYS:NZ	1:E:3:SER:OG[2_757]	1.69	0.51
1:A:216:THR:O	1:E:5:ILE:O[2_757]	1.69	0.51
1:A:256:MET:O	1:C:348:LEU:CD2[2_858]	1.69	0.51
1:A:262:LYS:CB	1:C:304:THR:C[2_858]	1.69	0.51
1:A:267:PHE:CD1	1:C:346:GLY:CA[2_858]	1.69	0.51
1:A:267:PHE:C	1:C:351:THR:C[2_858]	1.69	0.51
1:A:269:MET:N	1:C:350:ASN:O[2_858]	1.69	0.51
1:A:283:VAL:N	1:C:9:GLN:NE2[2_858]	1.69	0.51
1:A:287:PHE:CE1	1:C:9:GLN:C[2_858]	1.69	0.51
1:A:317:HIS:CB	1:B:162:PRO:CA[2_757]	1.69	0.51
1:A:321:TYR:CB	1:B:160:SER:O[2_757]	1.69	0.51
1:A:327:THR:O	1:F:304:THR:CB[2_657]	1.69	0.51
1:A:332:ILE:CA	1:F:63:GLU:OE2[2_657]	1.69	0.51
1:A:370:GLN:CA	1:F:57:ILE:CG2[2_657]	1.69	0.51
1:A:381:LEU:CD2	1:F:10:PRO:C[2_657]	1.69	0.51
1:A:389:SER:CB	1:F:337:ALA:O[2_657]	1.69	0.51
1:A:390:ALA:N	1:F:72:ILE:CA[2_657]	1.69	0.51
1:A:398:LEU:CA	1:F:103:ILE:O[2_657]	1.69	0.51
1:A:400:ALA:O	1:F:99:THR:N[2_657]	1.69	0.51
1:A:402:GLU:O	1:F:141:LYS:CD[2_657]	1.69	0.51
1:A:404:ARG:CB	1:F:99:THR:OG1[2_657]	1.69	0.51
1:B:168:GLN:OE1	3:A:1101:NDP:O2D[2_757]	1.69	0.51
1:B:168:GLN:CG	3:A:1101:NDP:C2D[2_757]	1.69	0.51
1:B:42:TYR:O	1:E:114:VAL:O[2_757]	1.69	0.51
1:B:43:TYR:N	1:E:366:LEU:CD1[2_757]	1.69	0.51
1:B:53:THR:CG2	1:E:340:ARG:CG[2_757]	1.69	0.51
1:B:60:ASP:N	1:E:332:ILE:O[2_757]	1.69	0.51
1:B:63:GLU:CG	1:E:331:SER:OG[2_757]	1.69	0.51
1:B:78:THR:C	1:E:354:LEU:N[2_757]	1.69	0.51
1:B:84:VAL:CA	1:E:349:ASP:N[2_757]	1.69	0.51
1:B:89:LEU:CD1	1:E:346:GLY:CA[2_757]	1.69	0.51
1:B:140:TYR:CB	1:E:34:PRO:CA[2_757]	1.69	0.51
1:B:287:PHE:CB	1:C:66:LYS:CD[2_858]	1.69	0.51
1:B:289:SER:CA	1:C:299:THR:CG2[2_858]	1.69	0.51
1:B:297:LEU:CD2	1:E:403:LYS:N[2_757]	1.69	0.51
1:B:297:LEU:CG	1:E:403:LYS:O[2_757]	1.69	0.51

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:326:GLU:CB	1:C:209:LEU:CD2[2_858]	1.69	0.51
1:B:326:GLU:OE1	1:C:270:ALA:N[2_858]	1.69	0.51
1:B:359:ASN:N	1:D:150:PRO:C[2_858]	1.69	0.51
1:B:359:ASN:O	1:D:175:TYR:CB[2_858]	1.69	0.51
1:B:365:THR:CA	1:C:186:ASN:O[2_858]	1.69	0.51
1:B:370:GLN:CD	1:C:141:LYS:CE[2_858]	1.69	0.51
1:B:372:ASP:CB	1:C:184:MET:SD[2_858]	1.69	0.51
1:B:396:GLU:O	1:C:225:PHE:CD1[2_858]	1.69	0.51
1:E:353:ALA:CA	3:B:1201:NDP:O3D[2_757]	1.69	0.51
1:C:388:ARG:CB	1:C:392:VAL:CA[2_958]	1.69	0.51
1:D:4:LYS:N	1:E:308:GLU:OE1[2_757]	1.69	0.51
1:D:5:ILE:CG1	1:E:133:ARG:CZ[2_757]	1.69	0.51
1:D:28:LYS:CB	1:E:111:GLU:OE2[2_757]	1.69	0.51
1:D:32:ILE:C	1:E:109:PHE:CA[2_757]	1.69	0.51
1:D:33:LEU:N	1:E:109:PHE:O[2_757]	1.69	0.51
1:D:38:VAL:C	1:E:293:MET:CG[2_757]	1.69	0.51
1:D:73:LYS:N	1:E:266:GLY:N[2_757]	1.69	0.51
1:D:186:ASN:OD1	1:F:390:ALA:C[2_757]	1.69	0.51
1:D:197:SER:N	3:F:1601:NDP:N1A[2_757]	1.69	0.51
1:D:200:LYS:O	1:F:312:GLY:O[2_757]	1.69	0.51
1:D:223:GLY:C	1:F:396:GLU:CD[2_757]	1.69	0.51
1:D:227:ASP:N	1:F:396:GLU:CA[2_757]	1.69	0.51
1:D:239:SER:C	1:F:24:TRP:NE1[2_757]	1.69	0.51
1:D:241:PHE:N	1:F:74:CYS:SG[2_757]	1.69	0.51
1:D:241:PHE:CD1	1:F:20:THR:CA[2_757]	1.69	0.51
1:D:245:GLY:N	1:F:16:GLY:O[2_757]	1.69	0.51
1:D:266:GLY:CA	1:F:319:ARG:CZ[2_757]	1.69	0.51
1:D:294:THR:C	1:E:251:ARG:NH2[2_757]	1.69	0.51
1:D:306:GLU:O	1:E:263:SER:CB[2_757]	1.69	0.51
1:D:333:ALA:C	1:E:209:LEU:N[2_757]	1.69	0.51
1:D:346:GLY:CA	1:E:279:GLN:CD[2_757]	1.69	0.51
1:D:362:GLU:CG	1:E:211:LEU:CB[2_757]	1.69	0.51
1:D:366:LEU:CD1	1:E:248:TYR:OH[2_757]	1.69	0.51
1:D:374:ILE:N	1:E:236:GLN:CD[2_757]	1.69	0.51
1:D:398:LEU:CD1	1:E:203:ILE:CA[2_757]	1.69	0.51
1:D:404:ARG:CA	1:E:193:GLY:O[2_757]	1.69	0.51
1:F:386:ASN:CB	5:D:1405:HOH:O[2_757]	1.69	0.51
1:E:50:ARG:CA	1:E:149:GLY:C[2_657]	1.69	0.51
1:E:52:ALA:C	1:E:175:TYR:CD1[2_657]	1.69	0.51
1:E:52:ALA:C	1:E:175:TYR:CA[2_657]	1.69	0.51
1:E:81:GLU:C	1:F:227:ASP:CB[2_657]	1.69	0.51

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:82:ALA:C	1:F:227:ASP:C[2_657]	1.69	0.51
1:E:93:TRP:CZ3	1:E:147:ILE:CD1[2_657]	1.69	0.51
1:A:52:ALA:C	1:B:141:LYS:C[2_757]	1.70	0.50
1:A:55:ASP:CG	1:A:183:ALA:CA[2_757]	1.70	0.50
1:A:64:ALA:CA	1:B:148:PRO:CD[2_757]	1.70	0.50
1:A:74:CYS:CA	5:B:1213:HOH:O[2_757]	1.70	0.50
1:A:78:THR:O	1:A:145:THR:CA[2_757]	1.70	0.50
1:A:79:PRO:CD	1:A:181:ALA:O[2_757]	1.70	0.50
1:A:87:PHE:CE2	1:A:175:TYR:CD2[2_757]	1.70	0.50
1:A:95:SER:N	1:A:143:THR:CG2[2_757]	1.70	0.50
1:A:101:ARG:CG	1:B:171:LYS:CD[2_757]	1.70	0.50
1:A:104:LEU:CB	1:B:174:ASP:CA[2_757]	1.70	0.50
1:A:119:PRO:CG	1:C:42:TYR:CB[2_858]	1.70	0.50
1:A:120:ARG:NE	1:C:40:LEU:CD2[2_858]	1.70	0.50
1:A:123:PRO:CB	1:C:13:GLU:N[2_858]	1.70	0.50
1:A:150:PRO:N	5:A:1124:HOH:O[2_757]	1.70	0.50
1:A:210:PHE:C	1:C:350:ASN:CG[2_858]	1.70	0.50
1:A:219:LYS:CE	1:E:38:VAL:CG1[2_757]	1.70	0.50
1:A:258:ALA:CB	1:C:303:LYS:CA[2_858]	1.70	0.50
1:A:263:SER:OG	1:C:344:LYS:C[2_858]	1.70	0.50
1:A:314:VAL:CA	1:B:167:PRO:N[2_757]	1.70	0.50
1:A:317:HIS:CA	1:B:162:PRO:O[2_757]	1.70	0.50
1:A:328:SER:CB	1:F:69:GLY:N[2_657]	1.70	0.50
1:A:367:ASN:CG	1:F:55:ASP:CA[2_657]	1.70	0.50
1:A:376:THR:OG1	1:F:64:ALA:C[2_657]	1.70	0.50
1:A:397:PHE:CG	1:F:62:ALA:CB[2_657]	1.70	0.50
1:A:410:LYS:C	1:E:220:LYS:CE[2_657]	1.70	0.50
1:B:10:PRO:N	1:E:117:ARG:CD[2_757]	1.70	0.50
1:B:12:VAL:N	1:E:370:GLN:C[2_757]	1.70	0.50
1:B:19:MET:N	1:C:236:GLN:CG[2_858]	1.70	0.50
1:B:22:ILE:CB	1:C:232:VAL:CA[2_858]	1.70	0.50
1:B:22:ILE:CG1	1:C:233:TYR:C[2_858]	1.70	0.50
1:B:23:ILE:N	1:C:232:VAL:CB[2_858]	1.70	0.50
1:B:39:ASP:OD1	1:E:117:ARG:N[2_757]	1.70	0.50
1:B:43:TYR:CD1	1:E:366:LEU:CB[2_757]	1.70	0.50
1:B:81:GLU:CB	1:E:8:LYS:CA[2_757]	1.70	0.50
1:B:83:ARG:CA	1:E:350:ASN:C[2_757]	1.70	0.50
1:B:84:VAL:CB	1:E:349:ASP:CB[2_757]	1.70	0.50
1:B:85:LYS:N	1:E:350:ASN:N[2_757]	1.70	0.50
1:B:93:TRP:CD1	1:E:342:LEU:O[2_757]	1.70	0.50
1:B:104:LEU:N	1:E:398:LEU:O[2_757]	1.70	0.50

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:115:ILE:O	1:C:102:ASN:C[2_858]	1.70	0.50
1:B:118:ILE:CG1	1:C:101:ARG:O[2_858]	1.70	0.50
1:B:141:LYS:CG	1:E:29:LYS:C[2_757]	1.70	0.50
1:B:216:THR:O	1:B:220:LYS:CE[2_757]	1.70	0.50
1:B:290:LEU:CD1	1:C:301:ASP:CA[2_858]	1.70	0.50
1:B:332:ILE:C	1:C:189:GLU:CA[2_858]	1.70	0.50
1:B:376:THR:CG2	1:C:194:PHE:CD2[2_858]	1.70	0.50
1:B:387:GLU:CD	1:C:110:ARG:NH1[2_858]	1.70	0.50
1:B:394:THR:CG2	1:C:195:ALA:CA[2_858]	1.70	0.50
1:B:398:LEU:O	1:C:224:ARG:CG[2_858]	1.70	0.50
1:B:399:ASP:OD2	1:C:226:LYS:CB[2_858]	1.70	0.50
1:C:319:ARG:CG	1:C:322:GLN:NE2[2_958]	1.70	0.50
1:C:388:ARG:CB	1:C:392:VAL:CB[2_958]	1.70	0.50
1:D:2:PHE:CZ	1:E:100:ILE:C[2_757]	1.70	0.50
1:D:6:LYS:CA	1:E:310:ALA:O[2_757]	1.70	0.50
1:D:7:VAL:C	1:E:281:ASP:CA[2_757]	1.70	0.50
1:D:13:GLU:C	1:E:127:LYS:CA[2_757]	1.70	0.50
1:D:14:LEU:CB	1:E:127:LYS:N[2_757]	1.70	0.50
1:D:23:ILE:CG2	1:E:206:LYS:CA[2_757]	1.70	0.50
1:D:42:TYR:CB	1:E:114:VAL:CB[2_757]	1.70	0.50
1:D:81:GLU:CA	1:D:88:ASN:CB[2_858]	1.70	0.50
1:D:83:ARG:O	1:D:85:LYS:CB[2_858]	1.70	0.50
1:D:104:LEU:CG	1:E:124:ARG:NE[2_757]	1.70	0.50
1:D:104:LEU:CB	1:E:124:ARG:NH1[2_757]	1.70	0.50
1:D:105:GLY:C	1:F:381:LEU:C[2_757]	1.70	0.50
1:D:109:PHE:CG	3:F:1601:NDP:P2B[2_757]	1.70	0.50
1:D:115:ILE:C	1:E:230:GLN:CG[2_757]	1.70	0.50
1:D:126:GLU:OE1	1:F:85:LYS:O[2_757]	1.70	0.50
1:D:136:HIS:O	1:F:385:ASN:C[2_757]	1.70	0.50
1:D:195:ALA:O	1:F:329:THR:O[2_757]	1.70	0.50
1:D:196:HIS:CG	1:F:330:ASN:CG[2_757]	1.70	0.50
1:D:202:ALA:N	1:F:314:VAL:CG2[2_757]	1.70	0.50
1:D:208:ASN:C	1:F:318:TYR:CG[2_757]	1.70	0.50
1:D:209:LEU:CB	1:F:19:MET:SD[2_757]	1.70	0.50
1:D:211:LEU:CG	1:F:327:THR:N[2_757]	1.70	0.50
1:D:224:ARG:CA	1:F:396:GLU:OE2[2_757]	1.70	0.50
1:D:238:LYS:CA	1:F:24:TRP:O[2_757]	1.70	0.50
1:D:239:SER:CA	1:F:24:TRP:CD2[2_757]	1.70	0.50
1:D:248:TYR:CD2	1:F:22:ILE:CG2[2_757]	1.70	0.50
1:D:268:ILE:CB	1:F:314:VAL:O[2_757]	1.70	0.50
1:D:301:ASP:CG	1:F:288:GLY:CA[2_757]	1.70	0.50

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:331:SER:C	1:E:241:PHE:CE2[2_757]	1.70	0.50
1:D:333:ALA:O	1:E:208:ASN:CB[2_757]	1.70	0.50
1:D:347:GLU:C	1:F:279:GLN:OE1[2_757]	1.70	0.50
1:D:354:LEU:CA	1:E:276:GLY:C[2_757]	1.70	0.50
1:D:370:GLN:N	1:E:231:GLU:CA[2_757]	1.70	0.50
1:D:374:ILE:C	1:E:236:GLN:N[2_757]	1.70	0.50
1:D:374:ILE:CA	1:E:236:GLN:CD[2_757]	1.70	0.50
1:D:402:GLU:CA	1:E:197:SER:CA[2_757]	1.70	0.50
1:D:410:LYS:C	1:E:136:HIS:CG[2_757]	1.70	0.50
1:E:47:VAL:C	1:E:178:SER:CB[2_657]	1.70	0.50
1:E:59:GLN:OE1	1:F:167:PRO:CG[2_657]	1.70	0.50
1:A:15:ASP:CG	1:A:154:GLU:CD[2_757]	1.71	0.49
1:A:18:GLU:CA	1:B:159:PRO:N[2_757]	1.71	0.49
1:A:20:THR:CA	1:B:158:LYS:CG[2_757]	1.71	0.49
1:A:33:LEU:C	1:E:174:ASP:N[2_657]	1.71	0.49
1:A:34:PRO:CB	1:E:173:TYR:CD1[2_657]	1.71	0.49
1:A:51:ASP:CA	1:B:184:MET:C[2_757]	1.71	0.49
1:A:60:ASP:N	1:B:181:ALA:O[2_757]	1.71	0.49
1:A:63:GLU:N	1:B:147:ILE:CB[2_757]	1.71	0.49
1:A:65:ILE:N	1:A:157:TYR:CE2[2_757]	1.71	0.49
1:A:80:ASP:C	1:A:146:LEU:CG[2_757]	1.71	0.49
1:A:90:HIS:NE2	5:B:1210:HOH:O[2_757]	1.71	0.49
1:A:100:ILE:CG1	1:B:153:LEU:CD1[2_757]	1.71	0.49
1:A:117:ARG:NH2	1:F:49:SER:CB[2_657]	1.71	0.49
1:A:119:PRO:C	1:C:40:LEU:C[2_858]	1.71	0.49
1:A:120:ARG:N	1:C:40:LEU:C[2_858]	1.71	0.49
1:A:120:ARG:O	1:C:41:LYS:C[2_858]	1.71	0.49
1:A:127:LYS:CE	1:C:357:PHE:CB[2_858]	1.71	0.49
1:A:162:PRO:CB	1:A:345:ARG:CD[2_757]	1.71	0.49
1:A:210:PHE:C	1:C:350:ASN:ND2[2_858]	1.71	0.49
1:A:217:ILE:CG1	1:E:35:TYR:O[2_757]	1.71	0.49
1:A:306:GLU:CD	1:B:152:SER:OG[2_757]	1.71	0.49
1:A:315:THR:C	1:B:165:ALA:CA[2_757]	1.71	0.49
1:A:316:ARG:O	1:B:164:THR:N[2_757]	1.71	0.49
1:A:332:ILE:CD1	1:F:60:ASP:CA[2_657]	1.71	0.49
1:A:365:THR:CB	1:F:59:GLN:CG[2_657]	1.71	0.49
1:A:369:VAL:N	1:F:58:THR:CB[2_657]	1.71	0.49
1:A:370:GLN:CB	1:F:57:ILE:CG2[2_657]	1.71	0.49
1:A:385:ASN:N	1:F:40:LEU:CG[2_657]	1.71	0.49
1:A:385:ASN:N	1:F:40:LEU:CD2[2_657]	1.71	0.49
1:A:390:ALA:CA	1:F:72:ILE:CA[2_657]	1.71	0.49

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:400:ALA:O	1:F:98:GLY:O[2_657]	1.71	0.49
1:B:18:GLU:O	1:C:236:GLN:CA[2_858]	1.71	0.49
1:B:26:LYS:CA	1:C:231:GLU:OE2[2_858]	1.71	0.49
1:B:30:LYS:CE	1:C:227:ASP:CG[2_858]	1.71	0.49
1:B:31:LEU:CD1	1:C:188:ASP:OD2[2_858]	1.71	0.49
1:B:51:ASP:C	1:E:340:ARG:O[2_757]	1.71	0.49
1:B:59:GLN:N	1:E:335:ILE:CA[2_757]	1.71	0.49
1:B:69:GLY:CA	1:E:374:ILE:CG1[2_757]	1.71	0.49
1:B:70:VAL:O	1:E:372:ASP:N[2_757]	1.71	0.49
1:B:94:LYS:O	1:E:357:PHE:CE2[2_757]	1.71	0.49
1:B:102:ASN:C	1:E:30:LYS:CB[2_757]	1.71	0.49
1:B:117:ARG:CB	5:C:1307:HOH:O[2_858]	1.71	0.49
1:B:122:VAL:N	1:C:65:ILE:C[2_858]	1.71	0.49
1:B:277:ASP:O	1:E:2:PHE:CD1[2_757]	1.71	0.49
1:B:278:VAL:N	1:E:2:PHE:CG[2_757]	1.71	0.49
1:B:285:GLN:O	1:C:304:THR:OG1[2_858]	1.71	0.49
1:B:318:TYR:CD1	1:C:236:GLN:O[2_858]	1.71	0.49
1:B:325:GLU:CG	1:C:208:ASN:N[2_858]	1.71	0.49
1:B:352:PRO:C	1:C:161:ASP:C[2_858]	1.71	0.49
1:B:388:ARG:NH1	1:C:271:LEU:CB[2_858]	1.71	0.49
1:B:390:ALA:N	1:C:277:ASP:N[2_858]	1.71	0.49
1:B:391:TYR:CE2	1:C:133:ARG:N[2_858]	1.71	0.49
1:B:394:THR:C	1:C:229:PHE:CG[2_858]	1.71	0.49
1:B:397:PHE:CE1	1:C:186:ASN:OD1[2_858]	1.71	0.49
1:B:405:LEU:C	1:D:145:THR:O[2_858]	1.71	0.49
1:B:406:GLN:C	1:D:145:THR:CA[2_858]	1.71	0.49
1:B:406:GLN:CA	1:D:145:THR:CA[2_858]	1.71	0.49
1:B:410:LYS:C	1:C:169:THR:N[2_858]	1.71	0.49
1:B:411:SER:C	1:C:168:GLN:N[2_858]	1.71	0.49
1:C:300:PRO:O	3:B:1201:NDP:N7A[2_858]	1.71	0.49
1:C:317:HIS:CD2	1:C:324:GLY:C[2_958]	1.71	0.49
1:D:4:LYS:CG	1:E:308:GLU:CG[2_757]	1.71	0.49
1:D:5:ILE:CA	1:E:110:ARG:NH2[2_757]	1.71	0.49
1:D:5:ILE:CA	1:E:110:ARG:CZ[2_757]	1.71	0.49
1:D:10:PRO:C	1:E:287:PHE:N[2_757]	1.71	0.49
1:D:10:PRO:CG	1:E:288:GLY:N[2_757]	1.71	0.49
1:D:12:VAL:CA	1:E:287:PHE:CE2[2_757]	1.71	0.49
1:D:23:ILE:CB	1:E:206:LYS:CB[2_757]	1.71	0.49
1:D:31:LEU:CD2	1:E:197:SER:O[2_757]	1.71	0.49
1:D:31:LEU:CA	1:E:109:PHE:CZ[2_757]	1.71	0.49
1:D:70:VAL:CG1	1:E:125:TRP:CZ2[2_757]	1.71	0.49

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:189:GLU:CG	1:F:375:MET:CE[2_757]	1.71	0.49
1:D:202:ALA:O	1:F:313:THR:CG2[2_757]	1.71	0.49
1:D:206:LYS:CB	1:F:77:ILE:CA[2_757]	1.71	0.49
1:D:209:LEU:CG	1:F:19:MET:CB[2_757]	1.71	0.49
1:D:211:LEU:CD2	1:F:326:GLU:C[2_757]	1.71	0.49
1:D:212:SER:O	1:F:326:GLU:CG[2_757]	1.71	0.49
1:D:225:PHE:O	1:F:393:THR:O[2_757]	1.71	0.49
1:D:226:LYS:O	1:F:395:GLU:C[2_757]	1.71	0.49
1:D:234:GLU:O	1:F:27:ILE:CA[2_757]	1.71	0.49
1:D:237:TYR:CE2	1:F:334:SER:OG[2_757]	1.71	0.49
1:D:237:TYR:CE1	1:F:331:SER:CA[2_757]	1.71	0.49
1:D:246:ILE:CG2	1:F:17:ASP:C[2_757]	1.71	0.49
1:D:246:ILE:CB	1:F:18:GLU:N[2_757]	1.71	0.49
1:D:248:TYR:OH	1:F:395:GLU:CD[2_757]	1.71	0.49
1:D:253:ILE:N	1:F:324:GLY:O[2_757]	1.71	0.49
1:D:256:MET:O	1:F:323:LYS:CA[2_757]	1.71	0.49
1:D:304:THR:CG2	1:F:121:LEU:CB[2_757]	1.71	0.49
1:D:317:HIS:CE1	1:E:243:GLN:CA[2_757]	1.71	0.49
1:D:329:THR:CB	1:E:244:LEU:N[2_757]	1.71	0.49
1:D:349:ASP:O	1:F:257:VAL:CA[2_757]	1.71	0.49
1:D:357:PHE:O	1:E:271:LEU:C[2_757]	1.71	0.49
1:D:362:GLU:O	1:E:229:PHE:CG[2_757]	1.71	0.49
1:E:49:SER:CA	1:E:177:GLY:N[2_657]	1.71	0.49
1:E:52:ALA:O	1:E:175:TYR:CG[2_657]	1.71	0.49
1:E:88:ASN:C	1:F:191:ILE:CD1[2_657]	1.71	0.49
1:F:228:ILE:C	5:E:1524:HOH:O[2_657]	1.71	0.49
1:A:3:SER:O	1:E:170:LEU:O[2_657]	1.72	0.48
1:A:9:GLN:NE2	1:A:163:THR:O[2_757]	1.72	0.48
1:A:11:VAL:C	1:A:167:PRO:N[2_757]	1.72	0.48
1:A:34:PRO:CG	1:E:173:TYR:CE1[2_657]	1.72	0.48
1:A:36:LEU:N	1:E:171:LYS:NZ[2_657]	1.72	0.48
1:A:51:ASP:OD1	1:B:221:TYR:OH[2_757]	1.72	0.48
1:A:64:ALA:O	1:B:148:PRO:CD[2_757]	1.72	0.48
1:A:82:ALA:N	1:A:146:LEU:CD2[2_757]	1.72	0.48
1:A:88:ASN:CG	1:B:190:SER:CA[2_757]	1.72	0.48
1:A:92:MET:CB	1:B:220:LYS:C[2_757]	1.72	0.48
1:A:99:THR:N	1:B:172:VAL:O[2_757]	1.72	0.48
1:A:117:ARG:NH2	1:F:46:SER:OG[2_657]	1.72	0.48
1:A:125:TRP:NE1	1:C:345:ARG:NH1[2_858]	1.72	0.48
1:A:263:SER:OG	1:C:345:ARG:CA[2_858]	1.72	0.48
1:A:266:GLY:N	1:C:354:LEU:CG[2_858]	1.72	0.48

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:313:THR:C	1:B:167:PRO:N[2_757]	1.72	0.48
1:A:315:THR:CB	1:B:166:GLN:N[2_757]	1.72	0.48
1:A:318:TYR:CA	1:B:161:ASP:C[2_757]	1.72	0.48
1:A:318:TYR:O	1:B:161:ASP:CB[2_757]	1.72	0.48
1:A:327:THR:N	1:F:303:LYS:C[2_657]	1.72	0.48
1:A:365:THR:O	1:F:59:GLN:N[2_657]	1.72	0.48
1:A:369:VAL:N	1:F:58:THR:C[2_657]	1.72	0.48
1:A:369:VAL:CG1	1:F:57:ILE:O[2_657]	1.72	0.48
1:A:381:LEU:N	1:F:41:LYS:CB[2_657]	1.72	0.48
1:B:59:GLN:CG	1:E:335:ILE:CA[2_757]	1.72	0.48
1:B:61:ALA:CA	1:E:365:THR:CB[2_757]	1.72	0.48
1:B:63:GLU:O	1:E:397:PHE:CD1[2_757]	1.72	0.48
1:B:70:VAL:N	1:E:372:ASP:C[2_757]	1.72	0.48
1:B:77:ILE:C	1:E:357:PHE:N[2_757]	1.72	0.48
1:B:80:ASP:CA	1:E:6:LYS:O[2_757]	1.72	0.48
1:B:81:GLU:CB	1:E:8:LYS:CG[2_757]	1.72	0.48
1:B:92:MET:CG	1:E:7:VAL:CB[2_757]	1.72	0.48
1:B:97:ASN:O	1:E:405:LEU:CD1[2_757]	1.72	0.48
1:B:102:ASN:CG	1:E:30:LYS:CG[2_757]	1.72	0.48
1:B:121:LEU:O	1:C:65:ILE:CG1[2_858]	1.72	0.48
1:B:123:PRO:CA	1:C:60:ASP:O[2_858]	1.72	0.48
1:B:278:VAL:N	1:E:2:PHE:CB[2_757]	1.72	0.48
1:B:306:GLU:CG	1:E:404:ARG:C[2_757]	1.72	0.48
1:B:316:ARG:C	1:C:200:LYS:CA[2_858]	1.72	0.48
1:B:320:LYS:CD	1:C:202:ALA:CA[2_858]	1.72	0.48
1:B:320:LYS:CG	1:C:202:ALA:C[2_858]	1.72	0.48
1:B:320:LYS:CG	1:C:203:ILE:N[2_858]	1.72	0.48
1:B:323:LYS:CG	1:C:246:ILE:CD1[2_858]	1.72	0.48
1:B:323:LYS:CA	1:C:246:ILE:CA[2_858]	1.72	0.48
1:B:329:THR:C	1:C:194:PHE:N[2_858]	1.72	0.48
1:B:335:ILE:CG1	1:C:188:ASP:CB[2_858]	1.72	0.48
1:B:362:GLU:CA	1:D:177:GLY:O[2_858]	1.72	0.48
1:B:365:THR:C	1:C:186:ASN:C[2_858]	1.72	0.48
1:B:377:LYS:C	1:C:107:THR:CB[2_858]	1.72	0.48
1:B:388:ARG:NH2	1:C:269:MET:C[2_858]	1.72	0.48
1:B:388:ARG:CZ	1:C:269:MET:O[2_858]	1.72	0.48
1:B:392:VAL:C	1:C:194:PHE:CZ[2_858]	1.72	0.48
1:B:396:GLU:CG	1:C:211:LEU:CD2[2_858]	1.72	0.48
1:B:397:PHE:N	1:C:225:PHE:CG[2_858]	1.72	0.48
1:B:398:LEU:O	1:C:224:ARG:C[2_858]	1.72	0.48
1:B:403:LYS:NZ	1:C:218:LEU:N[2_858]	1.72	0.48

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:404:ARG:CB	1:D:181:ALA:CA[2_858]	1.72	0.48
1:B:405:LEU:CG	1:D:146:LEU:C[2_858]	1.72	0.48
1:D:2:PHE:CE2	1:E:101:ARG:CA[2_757]	1.72	0.48
1:D:8:LYS:CG	1:F:258:ALA:N[2_757]	1.72	0.48
1:D:10:PRO:N	1:E:284:ALA:C[2_757]	1.72	0.48
1:D:31:LEU:CG	1:E:201:LEU:CB[2_757]	1.72	0.48
1:D:31:LEU:CA	1:E:109:PHE:CG[2_757]	1.72	0.48
1:D:65:ILE:O	1:E:122:VAL:C[2_757]	1.72	0.48
1:D:72:ILE:CG1	1:E:129:ILE:CD1[2_757]	1.72	0.48
1:D:137:GLY:CA	1:F:386:ASN:O[2_757]	1.72	0.48
1:D:191:ILE:C	1:F:375:MET:O[2_757]	1.72	0.48
1:D:199:PHE:CD2	1:F:23:ILE:CD1[2_757]	1.72	0.48
1:D:208:ASN:CA	1:F:18:GLU:CB[2_757]	1.72	0.48
1:D:226:LYS:C	1:F:396:GLU:N[2_757]	1.72	0.48
1:D:234:GLU:CG	1:F:26:LYS:O[2_757]	1.72	0.48
1:D:236:GLN:C	1:F:27:ILE:CD1[2_757]	1.72	0.48
1:D:249:GLU:CD	1:F:321:TYR:OH[2_757]	1.72	0.48
1:D:256:MET:C	1:F:323:LYS:CA[2_757]	1.72	0.48
1:D:268:ILE:O	1:F:317:HIS:O[2_757]	1.72	0.48
1:D:330:ASN:CB	1:E:241:PHE:CA[2_757]	1.72	0.48
1:D:331:SER:CA	1:E:246:ILE:CD1[2_757]	1.72	0.48
1:D:335:ILE:N	1:E:208:ASN:C[2_757]	1.72	0.48
1:D:338:TRP:CD1	1:E:267:PHE:C[2_757]	1.72	0.48
1:D:339:SER:C	1:E:269:MET:CG[2_757]	1.72	0.48
1:D:354:LEU:CD1	1:E:279:GLN:O[2_757]	1.72	0.48
1:D:354:LEU:N	1:E:277:ASP:N[2_757]	1.72	0.48
1:D:365:THR:O	1:E:199:PHE:CD2[2_757]	1.72	0.48
1:D:407:LYS:O	1:E:190:SER:OG[2_757]	1.72	0.48
1:E:56:LYS:CG	1:F:158:LYS:C[2_657]	1.72	0.48
1:E:86:GLU:C	1:F:228:ILE:CD1[2_657]	1.72	0.48
1:E:88:ASN:N	1:F:191:ILE:CB[2_657]	1.72	0.48
1:E:90:HIS:CG	1:E:180:VAL:C[2_657]	1.72	0.48
1:A:11:VAL:CB	1:A:167:PRO:CG[2_757]	1.73	0.47
1:A:13:GLU:CG	1:A:169:THR:OG1[2_757]	1.73	0.47
1:A:19:MET:N	1:B:159:PRO:O[2_757]	1.73	0.47
1:A:21:ARG:CD	1:A:152:SER:CB[2_757]	1.73	0.47
1:A:30:LYS:C	5:E:1529:HOH:O[2_657]	1.73	0.47
1:A:43:TYR:CD1	1:A:168:GLN:OE1[2_757]	1.73	0.47
1:A:56:LYS:O	1:B:182:MET:CA[2_757]	1.73	0.47
1:A:59:GLN:CD	1:A:185:TYR:C[2_757]	1.73	0.47
1:A:71:GLY:N	1:A:158:LYS:CA[2_757]	1.73	0.47

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:73:LYS:CE	1:B:155:LEU:N[2_757]	1.73	0.47
1:A:75:ALA:C	1:B:157:TYR:N[2_757]	1.73	0.47
1:A:87:PHE:N	1:A:179:GLY:CA[2_757]	1.73	0.47
1:A:91:LYS:CE	5:A:1119:HOH:O[2_757]	1.73	0.47
1:A:100:ILE:CG1	1:B:153:LEU:CG[2_757]	1.73	0.47
1:A:100:ILE:O	1:B:173:TYR:O[2_757]	1.73	0.47
1:A:103:ILE:CG2	1:B:173:TYR:CE2[2_757]	1.73	0.47
1:A:124:ARG:CB	1:C:71:GLY:CA[2_858]	1.73	0.47
1:A:129:ILE:N	1:C:7:VAL:CB[2_858]	1.73	0.47
1:A:256:MET:CE	1:C:348:LEU:N[2_858]	1.73	0.47
1:A:316:ARG:C	1:B:162:PRO:C[2_757]	1.73	0.47
1:A:317:HIS:N	1:B:162:PRO:CA[2_757]	1.73	0.47
1:A:318:TYR:CE1	1:B:160:SER:CA[2_757]	1.73	0.47
1:A:328:SER:O	1:F:66:LYS:C[2_657]	1.73	0.47
1:A:330:ASN:CA	1:F:63:GLU:O[2_657]	1.73	0.47
1:A:403:LYS:CG	1:F:140:TYR:O[2_657]	1.73	0.47
1:A:403:LYS:CE	1:F:140:TYR:CD2[2_657]	1.73	0.47
1:B:14:LEU:CG	1:E:364:ALA:N[2_757]	1.73	0.47
1:B:14:LEU:CD1	1:E:363:SER:C[2_757]	1.73	0.47
1:B:19:MET:CE	1:C:199:PHE:CG[2_858]	1.73	0.47
1:B:31:LEU:CB	1:C:224:ARG:NH2[2_858]	1.73	0.47
1:B:45:LEU:CG	1:E:362:GLU:C[2_757]	1.73	0.47
1:B:51:ASP:OD2	1:E:344:LYS:CG[2_757]	1.73	0.47
1:B:56:LYS:N	1:E:337:ALA:CA[2_757]	1.73	0.47
1:B:67:LYS:CB	1:E:375:MET:C[2_757]	1.73	0.47
1:B:73:LYS:N	1:E:408:GLU:CD[2_757]	1.73	0.47
1:B:73:LYS:CE	1:E:360:ILE:CG2[2_757]	1.73	0.47
1:B:77:ILE:N	1:E:356:LYS:N[2_757]	1.73	0.47
1:B:77:ILE:O	1:E:354:LEU:C[2_757]	1.73	0.47
1:B:83:ARG:NH1	1:E:352:PRO:CA[2_757]	1.73	0.47
1:B:88:ASN:N	1:E:348:LEU:N[2_757]	1.73	0.47
1:B:92:MET:SD	1:E:7:VAL:O[2_757]	1.73	0.47
1:B:95:SER:N	1:E:357:PHE:CE2[2_757]	1.73	0.47
1:B:126:GLU:CA	1:C:63:GLU:CD[2_858]	1.73	0.47
1:B:277:ASP:C	1:E:2:PHE:CD1[2_757]	1.73	0.47
1:B:285:GLN:CG	1:C:303:LYS:O[2_858]	1.73	0.47
1:B:290:LEU:N	1:C:301:ASP:N[2_858]	1.73	0.47
1:B:311:HIS:O	1:E:411:SER:CA[2_757]	1.73	0.47
1:B:320:LYS:N	1:C:203:ILE:N[2_858]	1.73	0.47
1:B:367:ASN:CG	1:C:185:TYR:CD2[2_858]	1.73	0.47
1:B:368:THR:OG1	1:C:186:ASN:N[2_858]	1.73	0.47

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:372:ASP:CA	1:C:138:ASP:C[2_858]	1.73	0.47
1:B:389:SER:OG	1:C:279:GLN:N[2_858]	1.73	0.47
1:B:391:TYR:OH	1:C:131:ILE:O[2_858]	1.73	0.47
1:B:395:GLU:CD	1:C:248:TYR:OH[2_858]	1.73	0.47
1:B:398:LEU:CD1	1:C:228:ILE:CA[2_858]	1.73	0.47
1:B:404:ARG:CZ	1:C:184:MET:C[2_858]	1.73	0.47
1:B:407:LYS:CE	1:D:144:ASP:OD1[2_858]	1.73	0.47
1:B:408:GLU:N	1:D:145:THR:CG2[2_858]	1.73	0.47
1:B:409:ILE:CD1	1:D:146:LEU:O[2_858]	1.73	0.47
1:C:317:HIS:CB	1:C:325:GLU:CB[2_958]	1.73	0.47
1:C:388:ARG:NE	1:C:391:TYR:CD1[2_958]	1.73	0.47
1:D:12:VAL:CG1	1:E:120:ARG:NH2[2_757]	1.73	0.47
1:D:14:LEU:CA	1:E:127:LYS:N[2_757]	1.73	0.47
1:D:40:LEU:CD2	1:E:112:PRO:N[2_757]	1.73	0.47
1:D:81:GLU:C	1:D:88:ASN:ND2[2_858]	1.73	0.47
1:D:85:LYS:CE	1:D:87:PHE:CE1[2_858]	1.73	0.47
1:D:193:GLY:C	1:F:378:ASP:CG[2_757]	1.73	0.47
1:D:199:PHE:CZ	1:F:23:ILE:CG1[2_757]	1.73	0.47
1:D:202:ALA:O	1:F:313:THR:N[2_757]	1.73	0.47
1:D:206:LYS:CG	1:F:77:ILE:N[2_757]	1.73	0.47
1:D:206:LYS:CA	1:F:313:THR:CG2[2_757]	1.73	0.47
1:D:229:PHE:CE2	1:F:394:THR:OG1[2_757]	1.73	0.47
1:D:229:PHE:C	1:F:394:THR:C[2_757]	1.73	0.47
1:D:238:LYS:CE	1:F:25:ASP:C[2_757]	1.73	0.47
1:D:242:GLU:OE1	1:F:28:LYS:NZ[2_757]	1.73	0.47
1:D:245:GLY:C	1:F:16:GLY:O[2_757]	1.73	0.47
1:D:246:ILE:O	1:F:21:ARG:CA[2_757]	1.73	0.47
1:D:256:MET:CA	1:F:324:GLY:N[2_757]	1.73	0.47
1:D:268:ILE:CD1	1:F:314:VAL:O[2_757]	1.73	0.47
1:D:271:LEU:CB	1:F:320:LYS:NZ[2_757]	1.73	0.47
1:D:272:LYS:CE	1:F:388:ARG:NE[2_757]	1.73	0.47
1:D:296:ILE:CD1	1:E:260:MET:N[2_757]	1.73	0.47
1:D:298:VAL:N	1:E:262:LYS:CG[2_757]	1.73	0.47
1:D:305:PHE:CB	1:E:261:ILE:CA[2_757]	1.73	0.47
1:D:331:SER:C	1:E:241:PHE:CZ[2_757]	1.73	0.47
1:D:332:ILE:CA	1:E:241:PHE:CE2[2_757]	1.73	0.47
1:D:334:SER:CA	1:E:207:LEU:C[2_757]	1.73	0.47
1:D:336:PHE:O	1:E:210:PHE:CD1[2_757]	1.73	0.47
1:D:338:TRP:CZ3	1:E:129:ILE:O[2_757]	1.73	0.47
1:D:340:ARG:CD	1:E:256:MET:SD[2_757]	1.73	0.47
1:D:376:THR:CG2	1:E:240:LYS:N[2_757]	1.73	0.47

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:379:LEU:CB	1:E:238:LYS:CG[2_757]	1.73	0.47
1:D:398:LEU:C	1:E:200:LYS:CG[2_757]	1.73	0.47
1:F:391:TYR:CE2	5:D:1406:HOH:O[2_757]	1.73	0.47
1:E:54:SER:C	1:F:157:TYR:CD1[2_657]	1.73	0.47
1:E:56:LYS:CA	1:F:159:PRO:CA[2_657]	1.73	0.47
1:E:58:THR:C	1:F:165:ALA:O[2_657]	1.73	0.47
1:E:61:ALA:N	1:F:161:ASP:O[2_657]	1.73	0.47
1:E:88:ASN:N	1:F:191:ILE:CD1[2_657]	1.73	0.47
1:F:227:ASP:C	5:E:1524:HOH:O[2_657]	1.73	0.47
1:A:10:PRO:CA	1:A:166:GLN:NE2[2_757]	1.74	0.46
1:A:12:VAL:N	1:A:167:PRO:O[2_757]	1.74	0.46
1:A:15:ASP:C	1:A:154:GLU:CG[2_757]	1.74	0.46
1:A:34:PRO:O	1:E:173:TYR:CA[2_657]	1.74	0.46
1:A:62:ALA:CB	1:B:175:TYR:OH[2_757]	1.74	0.46
1:A:63:GLU:C	1:B:147:ILE:C[2_757]	1.74	0.46
1:A:68:TYR:O	1:A:165:ALA:C[2_757]	1.74	0.46
1:A:86:GLU:OE2	1:A:149:GLY:CA[2_757]	1.74	0.46
1:A:87:PHE:CE1	1:A:147:ILE:CG2[2_757]	1.74	0.46
1:A:91:LYS:CA	1:B:221:TYR:CE2[2_757]	1.74	0.46
1:A:92:MET:CA	1:B:221:TYR:N[2_757]	1.74	0.46
1:A:96:PRO:CG	1:B:155:LEU:CG[2_757]	1.74	0.46
1:A:97:ASN:CA	1:B:170:LEU:O[2_757]	1.74	0.46
1:A:97:ASN:O	1:B:171:LYS:O[2_757]	1.74	0.46
1:A:100:ILE:O	1:B:173:TYR:CA[2_757]	1.74	0.46
1:A:101:ARG:NE	1:B:171:LYS:CD[2_757]	1.74	0.46
1:A:117:ARG:NH1	1:F:45:LEU:C[2_657]	1.74	0.46
1:A:124:ARG:CB	1:C:71:GLY:N[2_858]	1.74	0.46
1:A:127:LYS:NZ	1:C:357:PHE:CA[2_858]	1.74	0.46
1:A:150:PRO:CD	1:A:322:GLN:OE1[2_757]	1.74	0.46
1:A:162:PRO:C	1:A:345:ARG:NH1[2_757]	1.74	0.46
1:A:214:LYS:NZ	1:E:3:SER:O[2_757]	1.74	0.46
1:A:219:LYS:CA	1:E:37:ASP:CG[2_757]	1.74	0.46
1:A:254:ASP:OD1	1:E:3:SER:OG[2_757]	1.74	0.46
1:A:312:GLY:C	1:B:167:PRO:C[2_757]	1.74	0.46
1:A:320:LYS:C	1:F:303:LYS:NZ[2_657]	1.74	0.46
1:A:325:GLU:O	1:F:303:LYS:CD[2_657]	1.74	0.46
1:A:369:VAL:CA	1:F:58:THR:CA[2_657]	1.74	0.46
1:A:370:GLN:OE1	1:F:49:SER:OG[2_657]	1.74	0.46
1:A:377:LYS:NZ	1:F:345:ARG:NH1[2_657]	1.74	0.46
1:A:379:LEU:CG	1:F:43:TYR:OH[2_657]	1.74	0.46
1:A:385:ASN:ND2	1:F:13:GLU:CG[2_657]	1.74	0.46

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:385:ASN:N	1:F:40:LEU:CA[2_657]	1.74	0.46
1:A:387:GLU:OE1	1:F:338:TRP:CE3[2_657]	1.74	0.46
1:A:388:ARG:NH1	1:F:305:PHE:C[2_657]	1.74	0.46
1:B:168:GLN:CA	3:A:1101:NDP:C2N[2_757]	1.74	0.46
1:B:168:GLN:C	3:A:1101:NDP:C2N[2_757]	1.74	0.46
1:B:11:VAL:C	1:E:370:GLN:CB[2_757]	1.74	0.46
1:B:22:ILE:CG1	1:C:232:VAL:C[2_858]	1.74	0.46
1:B:22:ILE:N	1:C:235:ALA:CB[2_858]	1.74	0.46
1:B:51:ASP:OD1	1:E:344:LYS:CA[2_757]	1.74	0.46
1:B:59:GLN:CA	1:E:335:ILE:CA[2_757]	1.74	0.46
1:B:64:ALA:CB	1:E:369:VAL:CG2[2_757]	1.74	0.46
1:B:66:LYS:CD	1:E:398:LEU:N[2_757]	1.74	0.46
1:B:102:ASN:OD1	1:E:30:LYS:N[2_757]	1.74	0.46
1:B:119:PRO:C	1:C:100:ILE:O[2_858]	1.74	0.46
1:B:123:PRO:O	1:C:59:GLN:O[2_858]	1.74	0.46
1:B:286:GLY:CA	1:C:66:LYS:O[2_858]	1.74	0.46
1:B:286:GLY:C	1:C:66:LYS:CG[2_858]	1.74	0.46
1:B:290:LEU:CA	1:C:301:ASP:N[2_858]	1.74	0.46
1:B:297:LEU:CG	1:E:403:LYS:CG[2_757]	1.74	0.46
1:B:308:GLU:OE1	1:E:408:GLU:N[2_757]	1.74	0.46
1:B:320:LYS:CD	1:C:201:LEU:O[2_858]	1.74	0.46
1:B:351:THR:C	1:C:163:THR:OG1[2_858]	1.74	0.46
1:B:352:PRO:CD	1:C:163:THR:OG1[2_858]	1.74	0.46
1:B:375:MET:SD	1:C:135:ALA:C[2_858]	1.74	0.46
1:B:375:MET:SD	1:C:135:ALA:O[2_858]	1.74	0.46
1:B:376:THR:CB	1:C:194:PHE:CG[2_858]	1.74	0.46
1:B:391:TYR:CZ	1:C:132:GLY:C[2_858]	1.74	0.46
1:B:401:VAL:C	1:D:180:VAL:CB[2_858]	1.74	0.46
1:B:407:LYS:CE	1:D:144:ASP:CG[2_858]	1.74	0.46
1:B:409:ILE:CA	1:C:168:GLN:CG[2_858]	1.74	0.46
1:B:410:LYS:CG	1:C:170:LEU:CG[2_858]	1.74	0.46
1:C:321:TYR:CA	5:C:1339:HOH:O[2_958]	1.74	0.46
1:C:388:ARG:CZ	1:C:391:TYR:CE1[2_958]	1.74	0.46
1:D:2:PHE:CE1	1:E:99:THR:C[2_757]	1.74	0.46
1:D:2:PHE:CG	1:E:100:ILE:C[2_757]	1.74	0.46
1:D:4:LYS:CG	1:E:308:GLU:OE2[2_757]	1.74	0.46
1:D:5:ILE:CD1	1:E:133:ARG:CZ[2_757]	1.74	0.46
1:D:12:VAL:N	1:E:287:PHE:CE1[2_757]	1.74	0.46
1:D:34:PRO:CG	1:E:296:ILE:CG2[2_757]	1.74	0.46
1:D:40:LEU:N	1:E:112:PRO:CB[2_757]	1.74	0.46
1:D:42:TYR:CB	1:E:114:VAL:CG2[2_757]	1.74	0.46

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:62:ALA:O	1:E:124:ARG:N[2_757]	1.74	0.46
1:D:62:ALA:O	1:E:123:PRO:C[2_757]	1.74	0.46
1:D:66:LYS:O	1:F:123:PRO:CD[2_757]	1.74	0.46
1:D:70:VAL:C	1:E:125:TRP:CZ2[2_757]	1.74	0.46
1:D:138:ASP:OD1	1:F:388:ARG:N[2_757]	1.74	0.46
1:D:186:ASN:CB	1:F:390:ALA:CA[2_757]	1.74	0.46
1:D:187:THR:C	1:F:390:ALA:O[2_757]	1.74	0.46
1:D:187:THR:N	1:F:390:ALA:CA[2_757]	1.74	0.46
1:D:190:SER:O	1:F:376:THR:C[2_757]	1.74	0.46
1:D:195:ALA:CA	1:F:329:THR:C[2_757]	1.74	0.46
1:D:196:HIS:N	1:F:330:ASN:N[2_757]	1.74	0.46
1:D:203:ILE:C	1:F:75:ALA:CB[2_757]	1.74	0.46
1:D:207:LEU:CD1	1:F:315:THR:CB[2_757]	1.74	0.46
1:D:210:PHE:CD2	1:F:321:TYR:CG[2_757]	1.74	0.46
1:D:224:ARG:C	1:F:396:GLU:CD[2_757]	1.74	0.46
1:D:225:PHE:CB	5:F:1639:HOH:O[2_757]	1.74	0.46
1:D:229:PHE:O	1:F:394:THR:O[2_757]	1.74	0.46
1:D:230:GLN:CD	1:F:26:LYS:CE[2_757]	1.74	0.46
1:D:236:GLN:NE2	1:F:332:ILE:O[2_757]	1.74	0.46
1:D:238:LYS:C	1:F:24:TRP:CB[2_757]	1.74	0.46
1:D:256:MET:N	1:F:323:LYS:O[2_757]	1.74	0.46
1:D:268:ILE:CB	1:F:315:THR:O[2_757]	1.74	0.46
1:D:303:LYS:O	1:F:286:GLY:CA[2_757]	1.74	0.46
1:D:305:PHE:CA	1:E:262:LYS:CA[2_757]	1.74	0.46
1:D:305:PHE:C	1:E:261:ILE:C[2_757]	1.74	0.46
1:D:311:HIS:CG	1:E:247:HIS:CE1[2_757]	1.74	0.46
1:D:329:THR:OG1	1:E:244:LEU:CA[2_757]	1.74	0.46
1:D:332:ILE:O	1:E:209:LEU:CA[2_757]	1.74	0.46
1:D:336:PHE:CG	1:E:209:LEU:O[2_757]	1.74	0.46
1:D:344:LYS:NZ	1:E:258:ALA:N[2_757]	1.74	0.46
1:D:351:THR:O	1:E:278:VAL:N[2_757]	1.74	0.46
1:D:368:THR:C	1:E:232:VAL:CA[2_757]	1.74	0.46
1:D:373:GLY:CA	1:E:235:ALA:CB[2_757]	1.74	0.46
1:D:400:ALA:N	1:E:200:LYS:CG[2_757]	1.74	0.46
1:D:401:VAL:CG2	1:E:199:PHE:CA[2_757]	1.74	0.46
1:D:401:VAL:CB	1:E:199:PHE:N[2_757]	1.74	0.46
5:D:1430:HOH:O	5:F:1615:HOH:O[2_757]	1.74	0.46
1:F:386:ASN:CG	5:D:1447:HOH:O[2_757]	1.74	0.46
1:E:51:ASP:OD1	1:E:179:GLY:O[2_657]	1.74	0.46
1:A:14:LEU:CD2	1:A:157:TYR:N[2_757]	1.75	0.45
1:A:17:ASP:OD1	1:A:152:SER:O[2_757]	1.75	0.45

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:33:LEU:CB	1:E:174:ASP:C[2_657]	1.75	0.45
1:A:43:TYR:CE1	1:A:168:GLN:CD[2_757]	1.75	0.45
1:A:57:ILE:CG1	1:B:143:THR:CG2[2_757]	1.75	0.45
1:A:58:THR:O	1:B:181:ALA:CB[2_757]	1.75	0.45
1:A:60:ASP:OD2	1:B:144:ASP:C[2_757]	1.75	0.45
1:A:62:ALA:C	1:B:147:ILE:CG1[2_757]	1.75	0.45
1:A:80:ASP:CB	1:A:146:LEU:CD1[2_757]	1.75	0.45
1:A:86:GLU:OE1	1:A:148:PRO:C[2_757]	1.75	0.45
1:A:87:PHE:N	1:A:179:GLY:N[2_757]	1.75	0.45
1:A:89:LEU:C	1:B:186:ASN:CB[2_757]	1.75	0.45
1:A:100:ILE:CA	1:B:173:TYR:N[2_757]	1.75	0.45
1:A:100:ILE:CB	1:B:153:LEU:O[2_757]	1.75	0.45
1:A:119:PRO:CB	1:C:42:TYR:CA[2_858]	1.75	0.45
1:A:124:ARG:CZ	1:C:306:GLU:N[2_858]	1.75	0.45
1:A:129:ILE:C	1:C:8:LYS:N[2_858]	1.75	0.45
1:A:208:ASN:O	1:C:352:PRO:CB[2_858]	1.75	0.45
1:A:267:PHE:CA	1:C:351:THR:O[2_858]	1.75	0.45
1:A:287:PHE:N	1:C:10:PRO:CG[2_858]	1.75	0.45
1:A:287:PHE:C	1:C:39:ASP:OD1[2_858]	1.75	0.45
1:A:365:THR:C	1:F:59:GLN:CB[2_657]	1.75	0.45
1:A:379:LEU:CD1	1:F:60:ASP:O[2_657]	1.75	0.45
1:A:388:ARG:O	1:F:70:VAL:CG1[2_657]	1.75	0.45
1:A:390:ALA:N	1:F:72:ILE:CB[2_657]	1.75	0.45
1:A:391:TYR:CD1	1:F:70:VAL:N[2_657]	1.75	0.45
1:A:410:LYS:CE	1:F:144:ASP:OD1[2_657]	1.75	0.45
1:B:170:LEU:CB	4:A:1102:AKG:O3[2_757]	1.75	0.45
1:F:299:THR:OG1	5:A:1121:HOH:O[2_657]	1.75	0.45
1:B:10:PRO:C	1:E:117:ARG:NH1[2_757]	1.75	0.45
1:B:19:MET:CA	1:C:237:TYR:CZ[2_858]	1.75	0.45
1:B:39:ASP:OD2	1:E:117:ARG:O[2_757]	1.75	0.45
1:B:56:LYS:CE	1:E:308:GLU:CA[2_757]	1.75	0.45
1:B:68:TYR:N	1:E:374:ILE:N[2_757]	1.75	0.45
1:B:71:GLY:N	1:E:372:ASP:CG[2_757]	1.75	0.45
1:B:76:THR:C	1:E:356:LYS:CA[2_757]	1.75	0.45
1:B:83:ARG:N	1:E:351:THR:CA[2_757]	1.75	0.45
1:B:83:ARG:CB	1:E:351:THR:O[2_757]	1.75	0.45
1:B:122:VAL:CB	1:C:64:ALA:O[2_858]	1.75	0.45
1:B:126:GLU:N	1:C:63:GLU:OE2[2_858]	1.75	0.45
1:B:281:ASP:CG	1:C:303:LYS:NZ[2_858]	1.75	0.45
1:B:281:ASP:CB	1:C:303:LYS:CE[2_858]	1.75	0.45
1:B:306:GLU:CG	1:E:404:ARG:O[2_757]	1.75	0.45

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:320:LYS:CA	1:C:203:ILE:N[2_858]	1.75	0.45
1:B:325:GLU:OE2	1:C:207:LEU:CA[2_858]	1.75	0.45
1:B:370:GLN:C	1:C:141:LYS:CB[2_858]	1.75	0.45
1:B:373:GLY:N	1:C:138:ASP:O[2_858]	1.75	0.45
1:B:374:ILE:N	1:C:138:ASP:CG[2_858]	1.75	0.45
1:B:388:ARG:NH2	1:C:270:ALA:N[2_858]	1.75	0.45
1:B:391:TYR:C	1:C:271:LEU:C[2_858]	1.75	0.45
1:C:314:VAL:O	1:C:323:LYS:CB[2_958]	1.75	0.45
1:C:316:ARG:O	1:C:322:GLN:N[2_958]	1.75	0.45
1:C:316:ARG:C	1:C:320:LYS:O[2_958]	1.75	0.45
1:C:317:HIS:CG	1:C:325:GLU:CG[2_958]	1.75	0.45
1:D:2:PHE:C	1:E:306:GLU:OE1[2_757]	1.75	0.45
1:D:2:PHE:CZ	1:E:100:ILE:N[2_757]	1.75	0.45
1:D:6:LYS:NZ	1:E:312:GLY:C[2_757]	1.75	0.45
1:D:9:GLN:CB	1:E:285:GLN:CB[2_757]	1.75	0.45
1:D:23:ILE:CG1	1:E:206:LYS:CG[2_757]	1.75	0.45
1:D:26:LYS:C	1:E:201:LEU:CD2[2_757]	1.75	0.45
1:D:42:TYR:CA	1:E:114:VAL:CG1[2_757]	1.75	0.45
1:D:65:ILE:N	1:E:122:VAL:O[2_757]	1.75	0.45
1:D:65:ILE:C	1:E:123:PRO:N[2_757]	1.75	0.45
1:D:109:PHE:CE2	3:F:1601:NDP:O2B[2_757]	1.75	0.45
1:D:114:VAL:O	1:E:230:GLN:OE1[2_757]	1.75	0.45
1:D:205:LYS:C	3:F:1601:NDP:C4D[2_757]	1.75	0.45
1:D:230:GLN:NE2	1:F:26:LYS:CE[2_757]	1.75	0.45
1:D:234:GLU:C	1:F:27:ILE:CA[2_757]	1.75	0.45
1:D:234:GLU:O	1:F:27:ILE:O[2_757]	1.75	0.45
1:D:238:LYS:CD	1:F:25:ASP:CA[2_757]	1.75	0.45
1:D:243:GLN:CA	1:F:15:ASP:C[2_757]	1.75	0.45
1:D:338:TRP:C	1:E:269:MET:CB[2_757]	1.75	0.45
1:D:349:ASP:N	1:E:282:ILE:CD1[2_757]	1.75	0.45
1:D:353:ALA:CB	1:E:277:ASP:OD2[2_757]	1.75	0.45
1:D:361:LEU:CA	1:E:194:PHE:CZ[2_757]	1.75	0.45
1:D:374:ILE:CB	1:E:236:GLN:NE2[2_757]	1.75	0.45
1:D:376:THR:CA	1:E:240:LYS:N[2_757]	1.75	0.45
1:E:51:ASP:CG	1:E:179:GLY:C[2_657]	1.75	0.45
1:E:57:ILE:CA	1:F:160:SER:N[2_657]	1.75	0.45
1:E:60:ASP:N	1:F:162:PRO:N[2_657]	1.75	0.45
1:E:82:ALA:C	1:F:227:ASP:CA[2_657]	1.75	0.45
1:E:85:LYS:N	1:F:225:PHE:N[2_657]	1.75	0.45
1:E:90:HIS:CD2	1:E:181:ALA:N[2_657]	1.75	0.45
1:E:90:HIS:CA	1:E:180:VAL:CG2[2_657]	1.75	0.45

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:229:PHE:N	5:E:1524:HOH:O[2_657]	1.75	0.45
1:A:3:SER:OG	1:E:169:THR:C[2_657]	1.76	0.44
1:A:9:GLN:CD	1:A:163:THR:O[2_757]	1.76	0.44
1:A:13:GLU:N	1:A:168:GLN:C[2_757]	1.76	0.44
1:A:15:ASP:OD1	1:A:154:GLU:OE1[2_757]	1.76	0.44
1:A:21:ARG:NH2	1:A:171:LYS:CE[2_757]	1.76	0.44
1:A:34:PRO:O	1:E:173:TYR:C[2_657]	1.76	0.44
1:A:43:TYR:CB	1:A:170:LEU:CD1[2_757]	1.76	0.44
1:A:46:SER:CA	1:A:153:LEU:CA[2_757]	1.76	0.44
1:A:50:ARG:C	1:B:184:MET:N[2_757]	1.76	0.44
1:A:66:LYS:N	1:A:157:TYR:OH[2_757]	1.76	0.44
1:A:76:THR:CG2	1:B:155:LEU:C[2_757]	1.76	0.44
1:A:83:ARG:CD	1:A:146:LEU:C[2_757]	1.76	0.44
1:A:103:ILE:CG1	1:B:173:TYR:CD2[2_757]	1.76	0.44
1:A:119:PRO:O	1:C:40:LEU:C[2_858]	1.76	0.44
1:A:125:TRP:CA	1:C:11:VAL:CG2[2_858]	1.76	0.44
1:A:129:ILE:CD1	1:C:345:ARG:NE[2_858]	1.76	0.44
1:A:160:SER:OG	1:A:305:PHE:N[2_757]	1.76	0.44
1:A:216:THR:CA	1:E:5:ILE:N[2_757]	1.76	0.44
1:A:256:MET:CE	1:C:347:GLU:C[2_858]	1.76	0.44
1:A:259:GLN:O	1:C:348:LEU:CD1[2_858]	1.76	0.44
1:A:261:ILE:O	1:C:70:VAL:CA[2_858]	1.76	0.44
1:A:265:GLY:N	1:C:345:ARG:CB[2_858]	1.76	0.44
1:A:317:HIS:CD2	1:B:162:PRO:O[2_757]	1.76	0.44
1:A:365:THR:O	1:F:59:GLN:CB[2_657]	1.76	0.44
1:A:368:THR:OG1	1:F:99:THR:CB[2_657]	1.76	0.44
1:A:402:GLU:CB	1:F:102:ASN:OD1[2_657]	1.76	0.44
1:B:169:THR:C	3:A:1101:NDP:O7N[2_757]	1.76	0.44
1:B:19:MET:CG	1:C:237:TYR:CE1[2_858]	1.76	0.44
1:B:26:LYS:CA	1:C:231:GLU:OE1[2_858]	1.76	0.44
1:B:49:SER:OG	1:E:340:ARG:NE[2_757]	1.76	0.44
1:B:55:ASP:C	1:E:336:PHE:C[2_757]	1.76	0.44
1:B:59:GLN:NE2	1:E:27:ILE:CB[2_757]	1.76	0.44
1:B:63:GLU:CD	1:E:331:SER:CA[2_757]	1.76	0.44
1:B:66:LYS:CE	1:E:397:PHE:N[2_757]	1.76	0.44
1:B:91:LYS:C	1:E:345:ARG:CB[2_757]	1.76	0.44
1:B:118:ILE:CA	1:C:102:ASN:CA[2_858]	1.76	0.44
1:B:217:ILE:N	1:B:220:LYS:NZ[2_757]	1.76	0.44
1:B:285:GLN:CG	1:C:304:THR:OG1[2_858]	1.76	0.44
1:B:320:LYS:CB	1:C:202:ALA:C[2_858]	1.76	0.44
1:B:324:GLY:N	1:C:246:ILE:O[2_858]	1.76	0.44

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:335:ILE:CD1	1:C:188:ASP:N[2_858]	1.76	0.44
1:B:335:ILE:CG1	1:C:188:ASP:CA[2_858]	1.76	0.44
1:B:355:CYS:N	1:C:161:ASP:OD2[2_858]	1.76	0.44
1:B:358:ALA:CA	1:D:149:GLY:CA[2_858]	1.76	0.44
1:B:363:SER:C	1:D:175:TYR:CZ[2_858]	1.76	0.44
1:B:364:ALA:O	1:C:186:ASN:O[2_858]	1.76	0.44
1:B:372:ASP:OD1	1:C:184:MET:CA[2_858]	1.76	0.44
1:B:376:THR:N	1:C:134:HIS:CA[2_858]	1.76	0.44
1:B:377:LYS:N	1:C:107:THR:CG2[2_858]	1.76	0.44
1:B:380:ALA:O	1:C:108:VAL:CG2[2_858]	1.76	0.44
1:B:383:CYS:C	1:C:101:ARG:NE[2_858]	1.76	0.44
1:B:393:THR:C	1:C:229:PHE:CZ[2_858]	1.76	0.44
1:B:397:PHE:CE2	1:C:191:ILE:CG1[2_858]	1.76	0.44
1:C:316:ARG:C	1:C:323:LYS:N[2_958]	1.76	0.44
1:D:9:GLN:N	1:E:281:ASP:O[2_757]	1.76	0.44
1:D:39:ASP:OD2	1:E:289:SER:N[2_757]	1.76	0.44
1:D:115:ILE:O	1:E:234:GLU:OE2[2_757]	1.76	0.44
1:D:138:ASP:OD1	1:F:388:ARG:C[2_757]	1.76	0.44
1:D:192:GLU:CA	1:F:376:THR:N[2_757]	1.76	0.44
1:D:195:ALA:N	1:F:376:THR:CG2[2_757]	1.76	0.44
1:D:208:ASN:N	1:F:18:GLU:CA[2_757]	1.76	0.44
1:D:224:ARG:NH2	1:F:374:ILE:CD1[2_757]	1.76	0.44
1:D:229:PHE:CB	1:F:394:THR:N[2_757]	1.76	0.44
1:D:233:TYR:CD1	1:F:23:ILE:N[2_757]	1.76	0.44
1:D:234:GLU:CA	1:F:27:ILE:CA[2_757]	1.76	0.44
1:D:239:SER:O	1:F:24:TRP:CD2[2_757]	1.76	0.44
1:D:242:GLU:O	1:F:15:ASP:CG[2_757]	1.76	0.44
1:D:249:GLU:CB	1:F:321:TYR:CE1[2_757]	1.76	0.44
1:D:298:VAL:CG1	1:F:285:GLN:CD[2_757]	1.76	0.44
1:D:300:PRO:O	1:F:289:SER:CA[2_757]	1.76	0.44
1:D:306:GLU:CA	1:E:263:SER:C[2_757]	1.76	0.44
1:D:329:THR:CG2	1:E:244:LEU:C[2_757]	1.76	0.44
1:D:329:THR:OG1	1:E:244:LEU:N[2_757]	1.76	0.44
1:D:330:ASN:N	1:E:241:PHE:N[2_757]	1.76	0.44
1:D:340:ARG:NH2	1:E:251:ARG:CA[2_757]	1.76	0.44
1:D:367:ASN:O	1:E:232:VAL:CB[2_757]	1.76	0.44
1:E:91:LYS:CD	1:E:145:THR:CA[2_657]	1.76	0.44
1:A:18:GLU:C	1:B:159:PRO:N[2_757]	1.77	0.43
1:A:19:MET:N	1:B:158:LYS:C[2_757]	1.77	0.43
1:A:52:ALA:CB	1:B:141:LYS:C[2_757]	1.77	0.43
1:A:58:THR:OG1	1:B:182:MET:O[2_757]	1.77	0.43

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:59:GLN:N	1:B:181:ALA:C[2_757]	1.77	0.43
1:A:62:ALA:N	1:B:153:LEU:CD2[2_757]	1.77	0.43
1:A:75:ALA:C	1:B:156:VAL:CG1[2_757]	1.77	0.43
1:A:83:ARG:CA	1:A:179:GLY:O[2_757]	1.77	0.43
1:A:88:ASN:CB	1:B:187:THR:OG1[2_757]	1.77	0.43
1:A:88:ASN:CA	1:B:187:THR:CA[2_757]	1.77	0.43
1:A:93:TRP:NE1	1:B:221:TYR:CZ[2_757]	1.77	0.43
1:A:100:ILE:CG1	1:B:153:LEU:CA[2_757]	1.77	0.43
1:A:207:LEU:CG	1:C:353:ALA:O[2_858]	1.77	0.43
1:A:260:MET:N	1:C:348:LEU:CB[2_858]	1.77	0.43
1:A:267:PHE:CE2	1:C:345:ARG:CA[2_858]	1.77	0.43
1:A:268:ILE:CA	1:C:350:ASN:C[2_858]	1.77	0.43
1:A:286:GLY:N	1:C:10:PRO:CG[2_858]	1.77	0.43
1:A:312:GLY:C	1:B:167:PRO:CB[2_757]	1.77	0.43
1:A:392:VAL:C	1:F:65:ILE:CG2[2_657]	1.77	0.43
1:B:10:PRO:CA	1:E:117:ARG:NH1[2_757]	1.77	0.43
1:B:12:VAL:N	1:E:370:GLN:CA[2_757]	1.77	0.43
1:B:53:THR:CB	1:E:340:ARG:CG[2_757]	1.77	0.43
1:B:63:GLU:O	1:E:397:PHE:CZ[2_757]	1.77	0.43
1:B:81:GLU:CD	1:E:8:LYS:CG[2_757]	1.77	0.43
1:B:83:ARG:CG	1:E:352:PRO:N[2_757]	1.77	0.43
1:B:93:TRP:CD1	1:E:342:LEU:N[2_757]	1.77	0.43
1:B:100:ILE:CA	1:E:31:LEU:CD2[2_757]	1.77	0.43
1:B:102:ASN:OD1	1:E:30:LYS:CG[2_757]	1.77	0.43
1:B:104:LEU:CB	1:E:399:ASP:C[2_757]	1.77	0.43
1:B:306:GLU:CG	1:E:404:ARG:CA[2_757]	1.77	0.43
1:B:318:TYR:CB	1:C:237:TYR:CE2[2_858]	1.77	0.43
1:B:321:TYR:CA	1:C:241:PHE:CD1[2_858]	1.77	0.43
1:B:326:GLU:CA	1:C:209:LEU:CA[2_858]	1.77	0.43
1:B:326:GLU:O	1:C:209:LEU:CG[2_858]	1.77	0.43
1:B:354:LEU:CA	1:C:164:THR:N[2_858]	1.77	0.43
1:B:372:ASP:O	1:C:139:GLN:OE1[2_858]	1.77	0.43
1:B:372:ASP:N	1:C:138:ASP:O[2_858]	1.77	0.43
1:B:390:ALA:O	1:C:133:ARG:CG[2_858]	1.77	0.43
1:B:396:GLU:N	1:C:211:LEU:CD1[2_858]	1.77	0.43
1:B:405:LEU:CA	1:D:145:THR:O[2_858]	1.77	0.43
1:B:406:GLN:CA	1:D:146:LEU:N[2_858]	1.77	0.43
1:D:2:PHE:CA	1:E:306:GLU:OE2[2_757]	1.77	0.43
1:D:4:LYS:N	1:E:308:GLU:CD[2_757]	1.77	0.43
1:D:19:MET:O	1:E:206:LYS:CD[2_757]	1.77	0.43
1:D:23:ILE:CA	1:E:206:LYS:CA[2_757]	1.77	0.43

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:24:TRP:CZ3	1:E:266:GLY:O[2_757]	1.77	0.43
1:D:27:ILE:N	1:E:205:LYS:CG[2_757]	1.77	0.43
1:D:32:ILE:N	1:E:109:PHE:CG[2_757]	1.77	0.43
1:D:37:ASP:C	1:E:310:ALA:CB[2_757]	1.77	0.43
1:D:40:LEU:CB	1:E:112:PRO:O[2_757]	1.77	0.43
1:D:72:ILE:CA	1:E:265:GLY:C[2_757]	1.77	0.43
1:D:74:CYS:CA	1:E:127:LYS:NZ[2_757]	1.77	0.43
1:D:80:ASP:O	1:D:88:ASN:ND2[2_858]	1.77	0.43
1:D:188:ASP:CB	1:F:373:GLY:O[2_757]	1.77	0.43
1:D:211:LEU:CG	1:F:327:THR:O[2_757]	1.77	0.43
1:D:211:LEU:CA	1:F:327:THR:CB[2_757]	1.77	0.43
1:D:227:ASP:C	1:F:396:GLU:N[2_757]	1.77	0.43
1:D:228:ILE:O	1:F:397:PHE:C[2_757]	1.77	0.43
1:D:228:ILE:CB	1:F:397:PHE:N[2_757]	1.77	0.43
1:D:240:LYS:N	1:F:24:TRP:CE2[2_757]	1.77	0.43
1:D:241:PHE:CE2	1:F:20:THR:CA[2_757]	1.77	0.43
1:D:296:ILE:CG2	1:E:259:GLN:OE1[2_757]	1.77	0.43
1:D:306:GLU:OE2	1:E:264:LYS:CG[2_757]	1.77	0.43
1:D:338:TRP:CB	1:E:268:ILE:C[2_757]	1.77	0.43
1:D:349:ASP:OD2	1:E:282:ILE:CG1[2_757]	1.77	0.43
1:D:357:PHE:CZ	1:E:132:GLY:CA[2_757]	1.77	0.43
1:D:364:ALA:CA	1:E:195:ALA:N[2_757]	1.77	0.43
1:D:368:THR:N	1:E:232:VAL:CG2[2_757]	1.77	0.43
1:D:372:ASP:CG	1:E:196:HIS:NE2[2_757]	1.77	0.43
1:D:376:THR:OG1	1:E:237:TYR:C[2_757]	1.77	0.43
1:D:399:ASP:C	1:E:200:LYS:CG[2_757]	1.77	0.43
1:D:406:GLN:O	1:E:106:GLY:CA[2_757]	1.77	0.43
1:D:408:GLU:C	1:E:134:HIS:CD2[2_757]	1.77	0.43
1:D:408:GLU:CG	1:E:190:SER:O[2_757]	1.77	0.43
1:E:47:VAL:O	1:E:178:SER:C[2_657]	1.77	0.43
1:E:50:ARG:CD	1:E:148:PRO:C[2_657]	1.77	0.43
1:E:57:ILE:O	1:F:161:ASP:O[2_657]	1.77	0.43
1:E:93:TRP:CD1	1:E:147:ILE:N[2_657]	1.77	0.43
1:A:2:PHE:CA	1:E:155:LEU:CA[2_657]	1.78	0.42
1:A:11:VAL:C	1:A:167:PRO:O[2_757]	1.78	0.42
1:A:16:GLY:N	1:A:154:GLU:OE1[2_757]	1.78	0.42
1:A:45:LEU:O	1:A:153:LEU:CD1[2_757]	1.78	0.42
1:A:56:LYS:O	1:B:182:MET:N[2_757]	1.78	0.42
1:A:59:GLN:NE2	1:A:185:TYR:CB[2_757]	1.78	0.42
1:A:67:LYS:N	1:B:149:GLY:CA[2_757]	1.78	0.42
1:A:78:THR:CG2	1:A:144:ASP:O[2_757]	1.78	0.42

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:83:ARG:CB	1:A:146:LEU:CA[2_757]	1.78	0.42
1:A:89:LEU:CD2	1:A:180:VAL:O[2_757]	1.78	0.42
1:A:90:HIS:CB	1:B:138:ASP:OD2[2_757]	1.78	0.42
1:A:96:PRO:CB	1:B:155:LEU:CB[2_757]	1.78	0.42
1:A:101:ARG:CA	1:B:173:TYR:C[2_757]	1.78	0.42
1:A:103:ILE:CD1	1:A:185:TYR:CB[2_757]	1.78	0.42
1:A:114:VAL:N	1:C:37:ASP:OD1[2_858]	1.78	0.42
1:A:124:ARG:NH2	1:C:306:GLU:O[2_858]	1.78	0.42
1:A:141:LYS:CG	1:A:141:LYS:CD[2_757]	1.78	0.42
1:A:165:ALA:O	1:A:345:ARG:NH1[2_757]	1.78	0.42
1:A:208:ASN:N	1:C:352:PRO:O[2_858]	1.78	0.42
1:A:210:PHE:N	1:C:350:ASN:OD1[2_858]	1.78	0.42
1:A:218:LEU:O	1:E:37:ASP:OD1[2_757]	1.78	0.42
1:A:263:SER:CA	1:C:344:LYS:CB[2_858]	1.78	0.42
1:A:297:LEU:CD2	1:B:174:ASP:CG[2_757]	1.78	0.42
1:A:313:THR:OG1	1:B:157:TYR:CD2[2_757]	1.78	0.42
1:A:370:GLN:C	1:F:50:ARG:CG[2_657]	1.78	0.42
1:A:376:THR:CA	1:F:64:ALA:C[2_657]	1.78	0.42
1:A:382:ALA:N	1:F:41:LYS:CG[2_657]	1.78	0.42
1:A:404:ARG:NE	1:F:94:LYS:O[2_657]	1.78	0.42
1:B:47:VAL:O	1:E:343:LEU:CD1[2_757]	1.78	0.42
1:B:58:THR:O	1:E:335:ILE:CG2[2_757]	1.78	0.42
1:B:70:VAL:CB	1:E:372:ASP:N[2_757]	1.78	0.42
1:B:70:VAL:C	1:E:372:ASP:N[2_757]	1.78	0.42
1:B:77:ILE:CA	1:E:356:LYS:CB[2_757]	1.78	0.42
1:B:89:LEU:CG	1:E:343:LEU:O[2_757]	1.78	0.42
1:B:91:LYS:N	1:E:70:VAL:CB[2_757]	1.78	0.42
1:B:92:MET:CA	1:E:345:ARG:CG[2_757]	1.78	0.42
1:B:123:PRO:CA	1:C:62:ALA:N[2_858]	1.78	0.42
1:B:287:PHE:CA	1:C:66:LYS:CE[2_858]	1.78	0.42
1:B:308:GLU:CG	1:E:408:GLU:N[2_757]	1.78	0.42
1:B:308:GLU:CD	1:E:409:ILE:N[2_757]	1.78	0.42
1:B:310:ALA:O	1:E:410:LYS:C[2_757]	1.78	0.42
1:B:320:LYS:CA	1:C:202:ALA:C[2_858]	1.78	0.42
1:B:327:THR:C	1:C:198:SER:OG[2_858]	1.78	0.42
1:B:328:SER:OG	1:C:194:PHE:CD2[2_858]	1.78	0.42
1:B:331:SER:N	1:C:192:GLU:N[2_858]	1.78	0.42
1:B:363:SER:C	1:D:175:TYR:CE1[2_858]	1.78	0.42
1:B:369:VAL:O	1:C:137:GLY:C[2_858]	1.78	0.42
1:B:370:GLN:C	1:C:141:LYS:O[2_858]	1.78	0.42
1:B:381:LEU:N	1:C:108:VAL:CB[2_858]	1.78	0.42

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:385:ASN:C	1:C:110:ARG:CZ[2_858]	1.78	0.42
1:B:389:SER:C	1:C:277:ASP:N[2_858]	1.78	0.42
1:B:389:SER:O	1:C:276:GLY:N[2_858]	1.78	0.42
1:B:405:LEU:CD2	1:D:147:ILE:C[2_858]	1.78	0.42
1:B:407:LYS:CD	1:D:144:ASP:O[2_858]	1.78	0.42
1:C:19:MET:N	1:C:323:LYS:NZ[2_958]	1.78	0.42
1:C:316:ARG:N	1:C:323:LYS:CA[2_958]	1.78	0.42
1:C:319:ARG:N	1:C:319:ARG:O[2_958]	1.78	0.42
1:C:319:ARG:CA	1:C:319:ARG:C[2_958]	1.78	0.42
1:C:388:ARG:CD	1:C:391:TYR:C[2_958]	1.78	0.42
1:D:3:SER:N	5:E:1531:HOH:O[2_757]	1.78	0.42
1:D:5:ILE:O	1:E:110:ARG:CZ[2_757]	1.78	0.42
1:D:37:ASP:CG	1:E:310:ALA:CA[2_757]	1.78	0.42
1:D:37:ASP:O	1:E:310:ALA:CB[2_757]	1.78	0.42
1:D:40:LEU:CA	1:E:112:PRO:CA[2_757]	1.78	0.42
1:D:68:TYR:CE1	1:E:120:ARG:C[2_757]	1.78	0.42
1:D:82:ALA:O	1:D:85:LYS:O[2_858]	1.78	0.42
1:D:105:GLY:CA	1:F:382:ALA:N[2_757]	1.78	0.42
1:D:109:PHE:CE2	3:F:1601:NDP:C2B[2_757]	1.78	0.42
1:D:115:ILE:CB	1:E:230:GLN:CG[2_757]	1.78	0.42
1:D:134:HIS:CE1	1:F:391:TYR:CG[2_757]	1.78	0.42
1:D:137:GLY:C	1:F:386:ASN:O[2_757]	1.78	0.42
1:D:191:ILE:CA	1:F:375:MET:C[2_757]	1.78	0.42
1:D:191:ILE:N	1:F:375:MET:O[2_757]	1.78	0.42
1:D:197:SER:CA	3:F:1601:NDP:C6A[2_757]	1.78	0.42
1:D:200:LYS:NZ	1:F:291:GLY:O[2_757]	1.78	0.42
1:D:207:LEU:CD2	1:F:83:ARG:CZ[2_757]	1.78	0.42
1:D:233:TYR:CE1	1:F:24:TRP:N[2_757]	1.78	0.42
1:D:236:GLN:O	1:F:335:ILE:N[2_757]	1.78	0.42
1:D:236:GLN:OE1	1:F:335:ILE:CB[2_757]	1.78	0.42
1:D:256:MET:CB	1:F:324:GLY:N[2_757]	1.78	0.42
1:D:260:MET:SD	1:F:323:LYS:CE[2_757]	1.78	0.42
1:D:266:GLY:O	5:F:1615:HOH:O[2_757]	1.78	0.42
1:D:267:PHE:N	1:F:319:ARG:NH1[2_757]	1.78	0.42
1:D:339:SER:CB	1:E:269:MET:C[2_757]	1.78	0.42
1:D:343:LEU:CD1	1:E:212:SER:CB[2_757]	1.78	0.42
1:D:353:ALA:O	1:E:273:ASN:O[2_757]	1.78	0.42
1:D:366:LEU:C	1:E:229:PHE:CA[2_757]	1.78	0.42
1:D:370:GLN:CG	1:E:231:GLU:CB[2_757]	1.78	0.42
1:D:378:ASP:CB	1:E:242:GLU:CB[2_757]	1.78	0.42
1:D:408:GLU:OE1	1:E:191:ILE:CG2[2_757]	1.78	0.42

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:49:SER:O	1:E:149:GLY:C[2_657]	1.78	0.42
1:E:53:THR:OG1	1:E:150:PRO:C[2_657]	1.78	0.42
1:E:53:THR:O	1:F:157:TYR:CD1[2_657]	1.78	0.42
1:E:53:THR:N	1:E:175:TYR:CG[2_657]	1.78	0.42
1:E:54:SER:O	1:F:157:TYR:CD1[2_657]	1.78	0.42
1:E:60:ASP:O	1:F:162:PRO:CD[2_657]	1.78	0.42
1:E:60:ASP:N	1:F:162:PRO:CG[2_657]	1.78	0.42
1:E:61:ALA:C	1:F:163:THR:OG1[2_657]	1.78	0.42
1:E:91:LYS:O	1:E:146:LEU:CG[2_657]	1.78	0.42
1:E:93:TRP:CE2	1:E:146:LEU:C[2_657]	1.78	0.42
1:E:100:ILE:CD1	1:F:163:THR:O[2_657]	1.78	0.42
1:A:3:SER:O	1:E:171:LYS:N[2_657]	1.79	0.41
1:A:13:GLU:CA	1:A:168:GLN:C[2_757]	1.79	0.41
1:A:35:TYR:C	1:E:171:LYS:NZ[2_657]	1.79	0.41
1:A:62:ALA:O	1:B:147:ILE:CG2[2_757]	1.79	0.41
1:A:73:LYS:N	1:A:158:LYS:CE[2_757]	1.79	0.41
1:A:74:CYS:SG	1:B:158:LYS:CE[2_757]	1.79	0.41
1:A:93:TRP:CG	1:A:182:MET:CB[2_757]	1.79	0.41
1:A:103:ILE:CG2	1:B:175:TYR:CD2[2_757]	1.79	0.41
1:A:103:ILE:CA	1:B:173:TYR:CG[2_757]	1.79	0.41
1:A:104:LEU:CG	1:B:175:TYR:N[2_757]	1.79	0.41
1:A:120:ARG:CD	1:C:40:LEU:CG[2_858]	1.79	0.41
1:A:124:ARG:CB	1:C:71:GLY:O[2_858]	1.79	0.41
1:A:144:ASP:CG	1:B:219:LYS:NZ[2_757]	1.79	0.41
1:A:215:ASN:CA	1:E:6:LYS:CG[2_757]	1.79	0.41
1:A:320:LYS:N	1:B:161:ASP:CB[2_757]	1.79	0.41
1:A:384:GLY:CA	1:F:40:LEU:CA[2_657]	1.79	0.41
1:A:385:ASN:O	1:F:11:VAL:CB[2_657]	1.79	0.41
1:A:393:THR:C	1:F:304:THR:CG2[2_657]	1.79	0.41
1:B:168:GLN:CG	3:A:1101:NDP:C3D[2_757]	1.79	0.41
1:B:49:SER:OG	1:E:340:ARG:CZ[2_757]	1.79	0.41
1:B:68:TYR:CE2	1:E:375:MET:SD[2_757]	1.79	0.41
1:B:70:VAL:CA	1:E:372:ASP:N[2_757]	1.79	0.41
1:B:82:ALA:O	1:E:349:ASP:O[2_757]	1.79	0.41
1:B:83:ARG:N	1:E:350:ASN:O[2_757]	1.79	0.41
1:B:89:LEU:CB	1:E:345:ARG:CA[2_757]	1.79	0.41
1:B:93:TRP:C	1:E:342:LEU:CD2[2_757]	1.79	0.41
1:B:96:PRO:N	1:E:357:PHE:CE2[2_757]	1.79	0.41
1:B:102:ASN:O	1:E:30:LYS:CG[2_757]	1.79	0.41
1:B:277:ASP:O	1:E:2:PHE:CE1[2_757]	1.79	0.41
1:B:296:ILE:C	1:E:407:LYS:CE[2_757]	1.79	0.41

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:308:GLU:OE2	1:E:407:LYS:O[2_757]	1.79	0.41
1:B:317:HIS:CA	1:C:199:PHE:C[2_858]	1.79	0.41
1:B:317:HIS:CB	1:C:196:HIS:O[2_858]	1.79	0.41
1:B:323:LYS:NZ	1:C:206:LYS:CA[2_858]	1.79	0.41
1:B:335:ILE:CD1	1:C:188:ASP:CB[2_858]	1.79	0.41
1:B:351:THR:CB	1:C:163:THR:CG2[2_858]	1.79	0.41
1:B:359:ASN:CA	1:D:151:GLY:N[2_858]	1.79	0.41
1:B:365:THR:O	1:C:186:ASN:CA[2_858]	1.79	0.41
1:B:367:ASN:C	1:C:185:TYR:C[2_858]	1.79	0.41
1:B:378:ASP:OD1	1:C:106:GLY:O[2_858]	1.79	0.41
1:B:387:GLU:OE2	1:C:110:ARG:NH1[2_858]	1.79	0.41
1:B:387:GLU:CG	1:C:280:SER:OG[2_858]	1.79	0.41
1:B:389:SER:CB	1:C:279:GLN:CA[2_858]	1.79	0.41
1:B:391:TYR:CG	1:C:132:GLY:O[2_858]	1.79	0.41
1:B:398:LEU:C	1:C:224:ARG:O[2_858]	1.79	0.41
1:B:399:ASP:OD1	1:C:223:GLY:C[2_858]	1.79	0.41
1:B:403:LYS:CB	1:C:221:TYR:CB[2_858]	1.79	0.41
1:C:317:HIS:NE2	1:C:325:GLU:CA[2_958]	1.79	0.41
1:C:317:HIS:CE1	1:C:325:GLU:N[2_958]	1.79	0.41
1:C:326:GLU:OE2	1:C:328:SER:OG[2_958]	1.79	0.41
1:D:4:LYS:CA	1:E:308:GLU:OE2[2_757]	1.79	0.41
1:D:8:LYS:CE	1:F:258:ALA:N[2_757]	1.79	0.41
1:D:10:PRO:CB	1:E:288:GLY:N[2_757]	1.79	0.41
1:D:13:GLU:CA	1:E:127:LYS:O[2_757]	1.79	0.41
1:D:27:ILE:CG1	1:E:268:ILE:CD1[2_757]	1.79	0.41
1:D:40:LEU:CG	1:E:112:PRO:CG[2_757]	1.79	0.41
1:D:66:LYS:N	1:E:124:ARG:N[2_757]	1.79	0.41
1:D:70:VAL:O	1:E:125:TRP:CG[2_757]	1.79	0.41
1:D:85:LYS:NZ	1:D:87:PHE:CG[2_858]	1.79	0.41
1:D:135:ALA:C	1:F:381:LEU:CG[2_757]	1.79	0.41
1:D:138:ASP:CG	1:F:388:ARG:CG[2_757]	1.79	0.41
1:D:185:TYR:N	1:F:389:SER:OG[2_757]	1.79	0.41
1:D:203:ILE:CG2	1:F:75:ALA:CA[2_757]	1.79	0.41
1:D:205:LYS:CB	3:F:1601:NDP:O5D[2_757]	1.79	0.41
1:D:225:PHE:C	1:F:393:THR:N[2_757]	1.79	0.41
1:D:231:GLU:OE2	1:F:400:ALA:CA[2_757]	1.79	0.41
1:D:231:GLU:CA	1:F:398:LEU:O[2_757]	1.79	0.41
1:D:233:TYR:CE1	1:F:22:ILE:C[2_757]	1.79	0.41
1:D:239:SER:C	1:F:24:TRP:CZ2[2_757]	1.79	0.41
1:D:268:ILE:CG1	1:F:314:VAL:C[2_757]	1.79	0.41
1:D:268:ILE:CD1	1:F:314:VAL:CA[2_757]	1.79	0.41

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:305:PHE:N	1:E:262:LYS:N[2_757]	1.79	0.41
1:D:307:SER:CB	1:E:267:PHE:CZ[2_757]	1.79	0.41
1:D:330:ASN:CG	1:E:241:PHE:CG[2_757]	1.79	0.41
1:D:332:ILE:O	1:E:209:LEU:N[2_757]	1.79	0.41
1:D:338:TRP:CZ3	1:E:130:ILE:CA[2_757]	1.79	0.41
1:D:354:LEU:N	1:E:277:ASP:C[2_757]	1.79	0.41
1:D:357:PHE:C	1:E:271:LEU:C[2_757]	1.79	0.41
1:D:360:ILE:CG2	1:E:194:PHE:CD1[2_757]	1.79	0.41
1:D:370:GLN:OE1	1:E:231:GLU:CG[2_757]	1.79	0.41
1:D:398:LEU:CD2	1:E:199:PHE:O[2_757]	1.79	0.41
1:D:404:ARG:NE	1:E:192:GLU:CB[2_757]	1.79	0.41
1:D:406:GLN:CG	1:E:298:VAL:O[2_757]	1.79	0.41
1:E:47:VAL:CA	1:E:178:SER:CB[2_657]	1.79	0.41
1:E:53:THR:C	1:F:157:TYR:CE1[2_657]	1.79	0.41
1:E:54:SER:C	1:F:157:TYR:CE1[2_657]	1.79	0.41
1:E:56:LYS:C	1:F:159:PRO:CG[2_657]	1.79	0.41
1:E:82:ALA:N	1:F:227:ASP:OD2[2_657]	1.79	0.41
1:E:83:ARG:O	1:F:228:ILE:CG1[2_657]	1.79	0.41
1:E:92:MET:CB	1:E:146:LEU:CD1[2_657]	1.79	0.41
1:A:3:SER:CA	1:E:170:LEU:O[2_657]	1.80	0.40
1:A:16:GLY:N	1:A:154:GLU:CG[2_757]	1.80	0.40
1:A:44:ASP:OD2	1:A:171:LYS:CG[2_757]	1.80	0.40
1:A:48:GLU:C	1:B:185:TYR:CE2[2_757]	1.80	0.40
1:A:63:GLU:CA	1:B:147:ILE:CG1[2_757]	1.80	0.40
1:A:69:GLY:O	1:A:159:PRO:CA[2_757]	1.80	0.40
1:A:86:GLU:OE2	1:A:149:GLY:N[2_757]	1.80	0.40
1:A:93:TRP:C	1:A:144:ASP:CA[2_757]	1.80	0.40
1:A:100:ILE:CD1	1:B:153:LEU:CA[2_757]	1.80	0.40
1:A:121:LEU:C	1:C:12:VAL:CG2[2_858]	1.80	0.40
1:A:124:ARG:NE	1:C:307:SER:N[2_858]	1.80	0.40
1:A:125:TRP:CZ2	1:C:345:ARG:CZ[2_858]	1.80	0.40
1:A:163:THR:CA	1:A:345:ARG:NH2[2_757]	1.80	0.40
1:A:216:THR:N	1:E:4:LYS:O[2_757]	1.80	0.40
1:A:263:SER:CB	1:C:344:LYS:CA[2_858]	1.80	0.40
1:A:263:SER:O	1:C:70:VAL:CB[2_858]	1.80	0.40
1:A:267:PHE:C	1:C:351:THR:O[2_858]	1.80	0.40
1:A:287:PHE:CA	1:C:10:PRO:CB[2_858]	1.80	0.40
1:A:388:ARG:CB	1:F:341:GLY:C[2_657]	1.80	0.40
1:A:396:GLU:CG	1:F:297:LEU:CG[2_657]	1.80	0.40
1:A:398:LEU:CG	1:F:103:ILE:O[2_657]	1.80	0.40
1:B:168:GLN:NE2	3:A:1101:NDP:C3D[2_757]	1.80	0.40

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:10:PRO:CG	1:E:117:ARG:CG[2_757]	1.80	0.40
1:B:11:VAL:N	1:E:370:GLN:C[2_757]	1.80	0.40
1:B:40:LEU:C	1:E:370:GLN:CD[2_757]	1.80	0.40
1:B:56:LYS:C	1:E:336:PHE:CB[2_757]	1.80	0.40
1:B:71:GLY:CA	1:E:404:ARG:NE[2_757]	1.80	0.40
1:B:77:ILE:CB	1:E:352:PRO:O[2_757]	1.80	0.40
1:B:80:ASP:OD1	1:E:351:THR:CG2[2_757]	1.80	0.40
1:B:84:VAL:CB	1:E:349:ASP:OD2[2_757]	1.80	0.40
1:B:89:LEU:CG	1:E:346:GLY:N[2_757]	1.80	0.40
1:B:94:LYS:C	1:E:36:LEU:CD1[2_757]	1.80	0.40
1:B:104:LEU:CD2	1:E:400:ALA:N[2_757]	1.80	0.40
1:B:104:LEU:CG	1:E:400:ALA:O[2_757]	1.80	0.40
1:B:110:ARG:CG	1:E:410:LYS:CE[2_757]	1.80	0.40
1:B:297:LEU:C	1:E:407:LYS:CE[2_757]	1.80	0.40
1:B:308:GLU:CG	1:E:408:GLU:CA[2_757]	1.80	0.40
1:B:322:GLN:OE1	1:C:240:LYS:C[2_858]	1.80	0.40
1:B:326:GLU:OE1	1:C:210:PHE:O[2_858]	1.80	0.40
1:B:329:THR:CA	1:C:194:PHE:C[2_858]	1.80	0.40
1:B:332:ILE:CB	1:C:190:SER:CA[2_858]	1.80	0.40
1:B:365:THR:CA	1:C:187:THR:N[2_858]	1.80	0.40
1:B:369:VAL:CG2	1:C:136:HIS:CG[2_858]	1.80	0.40
1:B:369:VAL:O	1:C:137:GLY:CA[2_858]	1.80	0.40
1:B:370:GLN:CG	1:C:141:LYS:CD[2_858]	1.80	0.40
1:B:370:GLN:C	1:C:141:LYS:CA[2_858]	1.80	0.40
1:B:372:ASP:C	1:C:138:ASP:CA[2_858]	1.80	0.40
1:B:375:MET:CG	1:C:134:HIS:C[2_858]	1.80	0.40
1:B:378:ASP:N	1:C:107:THR:C[2_858]	1.80	0.40
1:B:383:CYS:SG	1:C:101:ARG:CD[2_858]	1.80	0.40
1:B:384:GLY:C	1:C:308:GLU:OE2[2_858]	1.80	0.40
1:B:385:ASN:O	1:C:110:ARG:NE[2_858]	1.80	0.40
1:B:385:ASN:ND2	1:C:133:ARG:NH1[2_858]	1.80	0.40
1:B:387:GLU:OE1	1:C:277:ASP:O[2_858]	1.80	0.40
1:B:396:GLU:OE1	1:C:212:SER:O[2_858]	1.80	0.40
1:B:397:PHE:CA	1:C:225:PHE:CG[2_858]	1.80	0.40
1:B:399:ASP:CG	1:C:226:LYS:N[2_858]	1.80	0.40
1:B:404:ARG:NH2	1:C:184:MET:C[2_858]	1.80	0.40
1:C:316:ARG:CA	1:C:322:GLN:CA[2_958]	1.80	0.40
1:D:10:PRO:N	1:E:286:GLY:N[2_757]	1.80	0.40
1:D:32:ILE:C	1:E:109:PHE:O[2_757]	1.80	0.40
1:D:35:TYR:CD1	1:E:109:PHE:N[2_757]	1.80	0.40
1:D:35:TYR:CD1	1:E:108:VAL:CA[2_757]	1.80	0.40

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:38:VAL:N	1:E:293:MET:SD[2_757]	1.80	0.40
1:D:72:ILE:O	1:E:127:LYS:O[2_757]	1.80	0.40
1:D:85:LYS:CA	1:D:85:LYS:C[2_858]	1.80	0.40
1:D:109:PHE:CG	3:F:1601:NDP:O3X[2_757]	1.80	0.40
1:D:115:ILE:CG1	1:E:230:GLN:CD[2_757]	1.80	0.40
1:D:200:LYS:CD	1:F:290:LEU:C[2_757]	1.80	0.40
1:D:201:LEU:CD1	3:F:1601:NDP:C4B[2_757]	1.80	0.40
1:D:209:LEU:N	1:F:19:MET:N[2_757]	1.80	0.40
1:D:210:PHE:CE2	1:F:321:TYR:CD2[2_757]	1.80	0.40
1:D:212:SER:OG	1:F:325:GLU:C[2_757]	1.80	0.40
1:D:212:SER:N	1:F:325:GLU:C[2_757]	1.80	0.40
1:D:227:ASP:C	1:F:396:GLU:O[2_757]	1.80	0.40
1:D:227:ASP:O	1:F:395:GLU:C[2_757]	1.80	0.40
1:D:231:GLU:C	1:F:398:LEU:CG[2_757]	1.80	0.40
1:D:239:SER:O	1:F:24:TRP:CD1[2_757]	1.80	0.40
1:D:290:LEU:O	1:E:247:HIS:NE2[2_757]	1.80	0.40
1:D:299:THR:O	1:F:288:GLY:O[2_757]	1.80	0.40
1:D:303:LYS:NZ	1:F:287:PHE:CD1[2_757]	1.80	0.40
1:D:304:THR:CG2	1:F:121:LEU:CD2[2_757]	1.80	0.40
1:D:305:PHE:CG	1:E:258:ALA:O[2_757]	1.80	0.40
1:D:329:THR:C	1:E:240:LYS:C[2_757]	1.80	0.40
1:D:339:SER:C	1:E:269:MET:CB[2_757]	1.80	0.40
1:D:340:ARG:CA	1:E:256:MET:CG[2_757]	1.80	0.40
1:D:349:ASP:CB	1:F:257:VAL:CB[2_757]	1.80	0.40
1:D:354:LEU:O	1:E:275:ASP:O[2_757]	1.80	0.40
1:D:360:ILE:O	1:E:194:PHE:CZ[2_757]	1.80	0.40
1:D:360:ILE:CG2	1:E:134:HIS:CG[2_757]	1.80	0.40
1:D:367:ASN:CB	1:E:228:ILE:CG2[2_757]	1.80	0.40
1:D:373:GLY:C	1:E:236:GLN:OE1[2_757]	1.80	0.40
1:D:376:THR:C	1:E:239:SER:OG[2_757]	1.80	0.40
1:D:404:ARG:NH1	1:E:192:GLU:CB[2_757]	1.80	0.40
1:D:408:GLU:CA	1:E:190:SER:O[2_757]	1.80	0.40
1:E:81:GLU:C	1:F:227:ASP:OD1[2_657]	1.80	0.40
1:E:89:LEU:O	1:E:180:VAL:CG1[2_657]	1.80	0.40
1:E:91:LYS:CG	1:E:145:THR:N[2_657]	1.80	0.40
1:A:32:ILE:O	1:E:174:ASP:OD1[2_657]	1.81	0.39
1:A:33:LEU:O	1:E:174:ASP:CG[2_657]	1.81	0.39
1:A:33:LEU:CD1	1:E:175:TYR:O[2_657]	1.81	0.39
1:A:47:VAL:O	1:B:185:TYR:CB[2_757]	1.81	0.39
1:A:49:SER:C	1:A:172:VAL:CG1[2_757]	1.81	0.39
1:A:50:ARG:NE	1:B:155:LEU:CD2[2_757]	1.81	0.39

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:65:ILE:CD1	1:A:157:TYR:CD1[2_757]	1.81	0.39
1:A:67:LYS:CG	1:B:148:PRO:CB[2_757]	1.81	0.39
1:A:79:PRO:N	1:A:145:THR:N[2_757]	1.81	0.39
1:A:89:LEU:CD1	1:A:180:VAL:N[2_757]	1.81	0.39
1:A:101:ARG:N	1:B:173:TYR:O[2_757]	1.81	0.39
1:A:101:ARG:CD	1:B:171:LYS:CB[2_757]	1.81	0.39
1:A:104:LEU:C	1:B:174:ASP:C[2_757]	1.81	0.39
1:A:117:ARG:CD	1:F:44:ASP:O[2_657]	1.81	0.39
1:A:144:ASP:OD2	1:B:219:LYS:NZ[2_757]	1.81	0.39
1:A:158:LYS:C	1:A:305:PHE:O[2_757]	1.81	0.39
1:A:183:ALA:C	5:A:1109:HOH:O[2_757]	1.81	0.39
1:A:216:THR:OG1	1:E:4:LYS:C[2_757]	1.81	0.39
1:A:217:ILE:CG2	1:E:4:LYS:CD[2_757]	1.81	0.39
1:A:269:MET:N	1:C:349:ASP:O[2_858]	1.81	0.39
1:A:366:LEU:CB	1:F:56:LYS:C[2_657]	1.81	0.39
1:A:376:THR:C	1:F:65:ILE:CA[2_657]	1.81	0.39
1:A:384:GLY:CA	1:F:40:LEU:O[2_657]	1.81	0.39
1:A:385:ASN:CA	1:F:40:LEU:CG[2_657]	1.81	0.39
1:A:388:ARG:NH1	1:F:305:PHE:O[2_657]	1.81	0.39
1:A:388:ARG:CA	1:F:70:VAL:CG1[2_657]	1.81	0.39
1:A:393:THR:CB	1:F:304:THR:CB[2_657]	1.81	0.39
1:A:396:GLU:N	1:F:104:LEU:C[2_657]	1.81	0.39
1:A:397:PHE:CE1	1:F:62:ALA:CA[2_657]	1.81	0.39
1:B:11:VAL:CG1	1:E:371:GLN:CB[2_757]	1.81	0.39
1:B:12:VAL:CB	1:E:367:ASN:C[2_757]	1.81	0.39
1:B:41:LYS:NZ	1:E:117:ARG:C[2_757]	1.81	0.39
1:B:59:GLN:C	1:E:335:ILE:CG1[2_757]	1.81	0.39
1:B:66:LYS:CG	1:E:397:PHE:C[2_757]	1.81	0.39
1:B:67:LYS:O	1:E:375:MET:N[2_757]	1.81	0.39
1:B:68:TYR:C	1:E:373:GLY:CA[2_757]	1.81	0.39
1:B:71:GLY:O	1:E:404:ARG:NE[2_757]	1.81	0.39
1:B:77:ILE:CG2	1:E:352:PRO:C[2_757]	1.81	0.39
1:B:83:ARG:CB	1:E:351:THR:N[2_757]	1.81	0.39
1:B:90:HIS:O	1:E:70:VAL:CB[2_757]	1.81	0.39
1:B:115:ILE:O	1:C:102:ASN:CB[2_858]	1.81	0.39
1:B:121:LEU:C	1:C:65:ILE:N[2_858]	1.81	0.39
1:B:123:PRO:CB	1:C:61:ALA:O[2_858]	1.81	0.39
1:B:123:PRO:O	1:C:60:ASP:CA[2_858]	1.81	0.39
1:B:216:THR:CA	1:B:220:LYS:CE[2_757]	1.81	0.39
1:B:285:GLN:CD	1:C:304:THR:CA[2_858]	1.81	0.39
1:B:298:VAL:CA	1:E:403:LYS:CD[2_757]	1.81	0.39

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:328:SER:N	1:C:198:SER:CA[2_858]	1.81	0.39
1:B:333:ALA:CA	1:C:189:GLU:CG[2_858]	1.81	0.39
1:B:359:ASN:N	1:D:149:GLY:C[2_858]	1.81	0.39
1:B:366:LEU:CB	1:D:173:TYR:CZ[2_858]	1.81	0.39
1:B:374:ILE:O	1:C:186:ASN:ND2[2_858]	1.81	0.39
1:B:386:ASN:CB	1:C:295:SER:CB[2_858]	1.81	0.39
1:B:387:GLU:N	1:C:110:ARG:CG[2_858]	1.81	0.39
1:B:395:GLU:CB	1:C:229:PHE:CB[2_858]	1.81	0.39
1:B:398:LEU:O	1:C:224:ARG:CA[2_858]	1.81	0.39
1:B:405:LEU:CD2	1:D:146:LEU:C[2_858]	1.81	0.39
1:B:405:LEU:CA	1:D:146:LEU:C[2_858]	1.81	0.39
1:B:406:GLN:CA	1:D:145:THR:CB[2_858]	1.81	0.39
1:B:410:LYS:C	1:C:168:GLN:C[2_858]	1.81	0.39
1:B:411:SER:N	1:C:168:GLN:CA[2_858]	1.81	0.39
1:C:300:PRO:O	3:B:1201:NDP:C8A[2_858]	1.81	0.39
1:C:205:LYS:N	5:B:1208:HOH:O[2_858]	1.81	0.39
1:C:317:HIS:CA	1:C:320:LYS:C[2_958]	1.81	0.39
1:C:317:HIS:CD2	1:C:325:GLU:CA[2_958]	1.81	0.39
1:C:320:LYS:NZ	1:C:327:THR:OG1[2_958]	1.81	0.39
1:C:326:GLU:N	5:C:1316:HOH:O[2_958]	1.81	0.39
1:D:8:LYS:CE	1:F:259:GLN:N[2_757]	1.81	0.39
1:D:9:GLN:NE2	1:F:262:LYS:N[2_757]	1.81	0.39
1:D:24:TRP:C	1:E:205:LYS:CB[2_757]	1.81	0.39
1:D:34:PRO:CD	1:E:296:ILE:CG2[2_757]	1.81	0.39
1:D:34:PRO:CA	1:E:296:ILE:CG2[2_757]	1.81	0.39
1:D:40:LEU:CB	1:E:112:PRO:CG[2_757]	1.81	0.39
1:D:72:ILE:CD1	1:E:129:ILE:CG1[2_757]	1.81	0.39
1:D:85:LYS:CD	1:D:87:PHE:N[2_858]	1.81	0.39
1:D:186:ASN:N	1:F:390:ALA:N[2_757]	1.81	0.39
1:D:191:ILE:CG1	1:F:391:TYR:CB[2_757]	1.81	0.39
1:D:206:LYS:CE	1:F:76:THR:O[2_757]	1.81	0.39
1:D:207:LEU:CG	1:F:315:THR:OG1[2_757]	1.81	0.39
1:D:209:LEU:N	1:F:318:TYR:CD1[2_757]	1.81	0.39
1:D:212:SER:CB	1:F:325:GLU:O[2_757]	1.81	0.39
1:D:225:PHE:C	1:F:393:THR:CA[2_757]	1.81	0.39
1:D:225:PHE:CE1	1:F:388:ARG:CZ[2_757]	1.81	0.39
1:D:229:PHE:CB	1:F:394:THR:CB[2_757]	1.81	0.39
1:D:231:GLU:CB	1:F:399:ASP:N[2_757]	1.81	0.39
1:D:232:VAL:CG1	1:F:331:SER:CB[2_757]	1.81	0.39
1:D:238:LYS:C	1:F:24:TRP:O[2_757]	1.81	0.39
1:D:267:PHE:O	1:F:319:ARG:CG[2_757]	1.81	0.39

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:296:ILE:CB	1:E:259:GLN:CG[2_757]	1.81	0.39
1:D:296:ILE:CD1	1:E:259:GLN:N[2_757]	1.81	0.39
1:D:303:LYS:C	1:F:286:GLY:N[2_757]	1.81	0.39
1:D:329:THR:CG2	1:E:244:LEU:N[2_757]	1.81	0.39
1:D:330:ASN:N	1:E:241:PHE:O[2_757]	1.81	0.39
1:D:332:ILE:CG2	1:E:248:TYR:CD1[2_757]	1.81	0.39
1:D:333:ALA:CB	1:E:247:HIS:O[2_757]	1.81	0.39
1:D:334:SER:N	1:E:208:ASN:N[2_757]	1.81	0.39
1:D:336:PHE:CA	1:E:210:PHE:CA[2_757]	1.81	0.39
1:D:338:TRP:N	1:E:267:PHE:CD1[2_757]	1.81	0.39
1:D:343:LEU:CD2	1:E:253:ILE:CG1[2_757]	1.81	0.39
1:D:344:LYS:O	1:F:282:ILE:CD1[2_757]	1.81	0.39
1:D:358:ALA:O	1:E:271:LEU:CA[2_757]	1.81	0.39
1:D:409:ILE:CG2	1:E:135:ALA:C[2_757]	1.81	0.39
1:E:47:VAL:C	1:E:178:SER:CA[2_657]	1.81	0.39
1:E:53:THR:CG2	1:E:150:PRO:C[2_657]	1.81	0.39
1:E:61:ALA:CB	1:F:161:ASP:O[2_657]	1.81	0.39
1:E:84:VAL:CG1	1:F:224:ARG:CA[2_657]	1.81	0.39
1:E:87:PHE:CE2	1:F:192:GLU:OE1[2_657]	1.81	0.39
1:E:90:HIS:NE2	1:E:182:MET:N[2_657]	1.81	0.39
1:E:91:LYS:C	1:E:146:LEU:CG[2_657]	1.81	0.39
1:E:93:TRP:CG	1:E:146:LEU:C[2_657]	1.81	0.39
1:A:4:LYS:CD	1:E:152:SER:CB[2_657]	1.82	0.38
1:A:4:LYS:N	1:E:154:GLU:CG[2_657]	1.82	0.38
1:A:17:ASP:CG	1:A:152:SER:O[2_757]	1.82	0.38
1:A:18:GLU:OE1	1:B:157:TYR:CZ[2_757]	1.82	0.38
1:A:43:TYR:CA	1:A:170:LEU:CA[2_757]	1.82	0.38
1:A:43:TYR:C	1:A:170:LEU:C[2_757]	1.82	0.38
1:A:62:ALA:CB	1:B:175:TYR:CZ[2_757]	1.82	0.38
1:A:68:TYR:C	1:A:165:ALA:CA[2_757]	1.82	0.38
1:A:72:ILE:N	1:A:158:LYS:CG[2_757]	1.82	0.38
1:A:79:PRO:CA	1:A:146:LEU:N[2_757]	1.82	0.38
1:A:92:MET:CB	1:B:221:TYR:C[2_757]	1.82	0.38
1:A:97:ASN:ND2	1:B:170:LEU:O[2_757]	1.82	0.38
1:A:97:ASN:C	1:B:172:VAL:CA[2_757]	1.82	0.38
1:A:99:THR:CA	1:B:172:VAL:O[2_757]	1.82	0.38
1:A:100:ILE:CG1	1:B:153:LEU:C[2_757]	1.82	0.38
1:A:120:ARG:NH1	1:C:40:LEU:CG[2_858]	1.82	0.38
1:A:126:GLU:OE1	1:C:338:TRP:CB[2_858]	1.82	0.38
1:A:207:LEU:CG	1:C:353:ALA:CB[2_858]	1.82	0.38
1:A:208:ASN:C	1:C:352:PRO:CB[2_858]	1.82	0.38

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:267:PHE:CG	1:C:346:GLY:N[2_858]	1.82	0.38
1:A:320:LYS:C	1:B:161:ASP:OD1[2_757]	1.82	0.38
1:A:325:GLU:C	1:F:303:LYS:CB[2_657]	1.82	0.38
1:A:367:ASN:N	1:F:55:ASP:C[2_657]	1.82	0.38
1:A:381:LEU:CD2	1:F:10:PRO:CA[2_657]	1.82	0.38
1:A:385:ASN:CG	1:F:13:GLU:OE1[2_657]	1.82	0.38
1:A:390:ALA:C	1:F:71:GLY:C[2_657]	1.82	0.38
1:A:395:GLU:O	1:F:104:LEU:N[2_657]	1.82	0.38
1:A:402:GLU:N	1:F:102:ASN:CG[2_657]	1.82	0.38
1:B:12:VAL:O	1:E:367:ASN:OD1[2_757]	1.82	0.38
1:B:26:LYS:CD	1:C:230:GLN:N[2_858]	1.82	0.38
1:B:26:LYS:CD	1:C:231:GLU:N[2_858]	1.82	0.38
1:B:51:ASP:N	1:E:340:ARG:O[2_757]	1.82	0.38
1:B:54:SER:CA	1:E:307:SER:CB[2_757]	1.82	0.38
1:B:70:VAL:C	1:E:372:ASP:OD1[2_757]	1.82	0.38
1:B:73:LYS:C	1:E:408:GLU:OE1[2_757]	1.82	0.38
1:B:78:THR:OG1	1:E:357:PHE:CB[2_757]	1.82	0.38
1:B:85:LYS:N	1:E:348:LEU:C[2_757]	1.82	0.38
1:B:85:LYS:CG	1:E:350:ASN:ND2[2_757]	1.82	0.38
1:B:87:PHE:N	1:E:347:GLU:O[2_757]	1.82	0.38
1:B:87:PHE:N	1:E:347:GLU:CA[2_757]	1.82	0.38
1:B:93:TRP:CD2	1:E:342:LEU:CA[2_757]	1.82	0.38
1:B:100:ILE:C	1:E:31:LEU:CD2[2_757]	1.82	0.38
1:B:115:ILE:CD1	1:C:136:HIS:NE2[2_858]	1.82	0.38
1:B:118:ILE:CG2	1:C:101:ARG:CA[2_858]	1.82	0.38
1:B:309:ALA:CB	1:E:411:SER:CB[2_757]	1.82	0.38
1:B:320:LYS:CB	1:C:202:ALA:N[2_858]	1.82	0.38
1:B:326:GLU:OE1	1:C:269:MET:CA[2_858]	1.82	0.38
1:B:328:SER:CB	1:C:198:SER:OG[2_858]	1.82	0.38
1:B:335:ILE:CG1	1:C:188:ASP:O[2_858]	1.82	0.38
1:B:359:ASN:C	1:D:150:PRO:C[2_858]	1.82	0.38
1:B:359:ASN:C	1:D:151:GLY:N[2_858]	1.82	0.38
1:B:369:VAL:CB	1:C:137:GLY:CA[2_858]	1.82	0.38
1:B:376:THR:CB	1:C:194:PHE:CD2[2_858]	1.82	0.38
1:B:379:LEU:CA	1:C:135:ALA:CB[2_858]	1.82	0.38
1:B:383:CYS:CA	1:C:101:ARG:CG[2_858]	1.82	0.38
1:B:392:VAL:O	1:C:194:PHE:CE2[2_858]	1.82	0.38
1:B:403:LYS:CA	1:C:220:LYS:C[2_858]	1.82	0.38
1:C:388:ARG:CG	1:C:392:VAL:N[2_958]	1.82	0.38
1:D:2:PHE:CA	1:E:306:GLU:CD[2_757]	1.82	0.38
1:D:2:PHE:CD1	1:E:100:ILE:CG2[2_757]	1.82	0.38

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:7:VAL:CG2	1:E:280:SER:CA[2_757]	1.82	0.38
1:D:8:LYS:NZ	1:F:256:MET:CA[2_757]	1.82	0.38
1:D:10:PRO:O	1:E:283:VAL:O[2_757]	1.82	0.38
1:D:22:ILE:CA	1:E:206:LYS:CE[2_757]	1.82	0.38
1:D:25:ASP:O	1:E:205:LYS:CG[2_757]	1.82	0.38
1:D:35:TYR:CE2	1:E:107:THR:CA[2_757]	1.82	0.38
1:D:42:TYR:CA	1:E:114:VAL:CG2[2_757]	1.82	0.38
1:D:67:LYS:CB	1:E:120:ARG:O[2_757]	1.82	0.38
1:D:134:HIS:CD2	1:F:377:LYS:CA[2_757]	1.82	0.38
1:D:196:HIS:ND1	1:F:330:ASN:ND2[2_757]	1.82	0.38
1:D:198:SER:N	3:F:1601:NDP:C6A[2_757]	1.82	0.38
1:D:209:LEU:CB	1:F:19:MET:CA[2_757]	1.82	0.38
1:D:211:LEU:CD2	1:F:327:THR:C[2_757]	1.82	0.38
1:D:223:GLY:CA	1:F:396:GLU:OE1[2_757]	1.82	0.38
1:D:227:ASP:N	1:F:396:GLU:CB[2_757]	1.82	0.38
1:D:231:GLU:CB	1:F:398:LEU:O[2_757]	1.82	0.38
1:D:233:TYR:OH	1:F:22:ILE:O[2_757]	1.82	0.38
1:D:236:GLN:CG	1:F:335:ILE:CG1[2_757]	1.82	0.38
1:D:238:LYS:NZ	1:F:29:LYS:CD[2_757]	1.82	0.38
1:D:240:LYS:CA	1:F:74:CYS:CB[2_757]	1.82	0.38
1:D:241:PHE:CE1	1:F:20:THR:CB[2_757]	1.82	0.38
1:D:242:GLU:OE1	1:F:28:LYS:CE[2_757]	1.82	0.38
1:D:244:LEU:CD1	1:F:75:ALA:CA[2_757]	1.82	0.38
1:D:244:LEU:CD2	1:F:76:THR:CB[2_757]	1.82	0.38
1:D:244:LEU:O	1:F:46:SER:CA[2_757]	1.82	0.38
1:D:266:GLY:N	1:F:319:ARG:NH2[2_757]	1.82	0.38
1:D:314:VAL:CG2	1:E:245:GLY:CA[2_757]	1.82	0.38
1:D:330:ASN:CA	1:E:241:PHE:CG[2_757]	1.82	0.38
1:D:336:PHE:CA	1:E:209:LEU:C[2_757]	1.82	0.38
1:D:342:LEU:N	1:E:269:MET:SD[2_757]	1.82	0.38
1:D:346:GLY:N	1:E:279:GLN:CD[2_757]	1.82	0.38
1:D:351:THR:CA	1:E:278:VAL:CG1[2_757]	1.82	0.38
1:D:352:PRO:CB	1:E:274:TYR:CE1[2_757]	1.82	0.38
1:D:356:LYS:CE	1:E:274:TYR:CB[2_757]	1.82	0.38
1:D:358:ALA:N	1:E:271:LEU:CA[2_757]	1.82	0.38
1:D:362:GLU:OE1	1:E:212:SER:CA[2_757]	1.82	0.38
1:D:392:VAL:CB	1:E:240:LYS:CE[2_757]	1.82	0.38
1:F:380:ALA:CA	5:D:1444:HOH:O[2_757]	1.82	0.38
1:E:61:ALA:CA	1:F:161:ASP:CG[2_657]	1.82	0.38
1:E:92:MET:C	1:E:146:LEU:CG[2_657]	1.82	0.38
1:A:10:PRO:CB	1:A:166:GLN:CG[2_757]	1.83	0.37

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:12:VAL:O	1:A:167:PRO:CB[2_757]	1.83	0.37
1:A:20:THR:C	1:B:158:LYS:CG[2_757]	1.83	0.37
1:A:21:ARG:NH2	1:A:171:LYS:CG[2_757]	1.83	0.37
1:A:55:ASP:OD1	1:A:182:MET:O[2_757]	1.83	0.37
1:A:56:LYS:CG	1:B:182:MET:SD[2_757]	1.83	0.37
1:A:68:TYR:CB	1:A:166:GLN:N[2_757]	1.83	0.37
1:A:78:THR:CB	1:B:170:LEU:CD1[2_757]	1.83	0.37
1:A:80:ASP:O	1:A:146:LEU:CD1[2_757]	1.83	0.37
1:A:83:ARG:CB	1:A:147:ILE:N[2_757]	1.83	0.37
1:A:92:MET:N	1:B:221:TYR:C[2_757]	1.83	0.37
1:A:93:TRP:CA	1:A:182:MET:CB[2_757]	1.83	0.37
1:A:94:LYS:CD	1:A:142:ALA:N[2_757]	1.83	0.37
1:A:95:SER:N	1:A:143:THR:CB[2_757]	1.83	0.37
1:A:131:ILE:CG1	1:C:8:LYS:CG[2_858]	1.83	0.37
1:A:264:LYS:N	1:C:341:GLY:C[2_858]	1.83	0.37
1:A:269:MET:SD	1:C:349:ASP:N[2_858]	1.83	0.37
1:A:287:PHE:CD1	1:C:10:PRO:N[2_858]	1.83	0.37
1:A:326:GLU:CB	1:F:304:THR:N[2_657]	1.83	0.37
1:A:326:GLU:CB	1:F:303:LYS:N[2_657]	1.83	0.37
1:A:374:ILE:CD1	1:F:96:PRO:O[2_657]	1.83	0.37
1:A:379:LEU:C	1:F:43:TYR:CE1[2_657]	1.83	0.37
1:A:388:ARG:NH2	1:F:305:PHE:CD2[2_657]	1.83	0.37
1:A:391:TYR:CE2	5:F:1625:HOH:O[2_657]	1.83	0.37
1:A:397:PHE:CZ	1:F:62:ALA:CB[2_657]	1.83	0.37
1:A:402:GLU:CA	1:F:102:ASN:OD1[2_657]	1.83	0.37
1:B:11:VAL:O	1:E:370:GLN:C[2_757]	1.83	0.37
1:B:17:ASP:OD2	1:E:359:ASN:ND2[2_757]	1.83	0.37
1:B:20:THR:OG1	5:C:1331:HOH:O[2_858]	1.83	0.37
1:B:22:ILE:CD1	1:C:233:TYR:C[2_858]	1.83	0.37
1:B:31:LEU:CD2	1:C:224:ARG:CD[2_858]	1.83	0.37
1:B:41:LYS:NZ	1:E:118:ILE:CB[2_757]	1.83	0.37
1:B:50:ARG:CD	1:E:358:ALA:CB[2_757]	1.83	0.37
1:B:50:ARG:C	1:E:340:ARG:N[2_757]	1.83	0.37
1:B:57:ILE:CB	1:E:336:PHE:CE2[2_757]	1.83	0.37
1:B:79:PRO:CD	1:E:354:LEU:CG[2_757]	1.83	0.37
1:B:80:ASP:O	1:E:351:THR:CB[2_757]	1.83	0.37
1:B:83:ARG:CD	1:E:352:PRO:CD[2_757]	1.83	0.37
1:B:89:LEU:N	1:E:348:LEU:N[2_757]	1.83	0.37
1:B:90:HIS:ND1	1:E:305:PHE:O[2_757]	1.83	0.37
1:B:92:MET:SD	1:E:7:VAL:CG1[2_757]	1.83	0.37
1:B:110:ARG:CG	1:E:410:LYS:NZ[2_757]	1.83	0.37

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:117:ARG:NH1	1:C:140:TYR:C[2_858]	1.83	0.37
1:B:125:TRP:O	1:C:63:GLU:OE2[2_858]	1.83	0.37
1:B:288:GLY:CA	1:C:104:LEU:CA[2_858]	1.83	0.37
1:B:289:SER:CB	1:C:299:THR:CB[2_858]	1.83	0.37
1:B:321:TYR:CA	1:C:241:PHE:CE2[2_858]	1.83	0.37
1:B:329:THR:C	1:C:195:ALA:N[2_858]	1.83	0.37
1:B:353:ALA:CB	1:C:163:THR:C[2_858]	1.83	0.37
1:B:360:ILE:CG1	1:C:157:TYR:CE2[2_858]	1.83	0.37
1:B:367:ASN:C	1:C:185:TYR:CG[2_858]	1.83	0.37
1:B:368:THR:CB	1:C:186:ASN:CA[2_858]	1.83	0.37
1:B:370:GLN:O	1:C:141:LYS:CB[2_858]	1.83	0.37
1:B:374:ILE:CA	1:C:138:ASP:CG[2_858]	1.83	0.37
1:B:378:ASP:OD1	1:C:106:GLY:C[2_858]	1.83	0.37
1:B:381:LEU:CB	1:C:297:LEU:N[2_858]	1.83	0.37
1:B:385:ASN:OD1	4:C:1302:AKG:O2[2_858]	1.83	0.37
1:B:388:ARG:CG	1:C:131:ILE:CG1[2_858]	1.83	0.37
1:B:391:TYR:CD1	1:C:133:ARG:N[2_858]	1.83	0.37
1:B:405:LEU:C	1:D:146:LEU:C[2_858]	1.83	0.37
1:D:10:PRO:O	1:E:287:PHE:N[2_757]	1.83	0.37
1:D:28:LYS:CA	1:E:130:ILE:CD1[2_757]	1.83	0.37
1:D:65:ILE:CD1	1:E:125:TRP:N[2_757]	1.83	0.37
1:D:72:ILE:CG1	1:E:129:ILE:CB[2_757]	1.83	0.37
1:D:104:LEU:CB	1:E:124:ARG:NE[2_757]	1.83	0.37
1:D:115:ILE:CG2	1:E:230:GLN:C[2_757]	1.83	0.37
1:D:193:GLY:O	1:F:378:ASP:OD2[2_757]	1.83	0.37
1:D:195:ALA:CA	1:F:376:THR:CG2[2_757]	1.83	0.37
1:D:197:SER:CB	3:F:1601:NDP:N3A[2_757]	1.83	0.37
1:D:200:LYS:C	1:F:311:HIS:CG[2_757]	1.83	0.37
1:D:203:ILE:N	1:F:313:THR:CA[2_757]	1.83	0.37
1:D:205:LYS:NZ	3:F:1601:NDP:PN[2_757]	1.83	0.37
1:D:205:LYS:CD	3:F:1601:NDP:C5D[2_757]	1.83	0.37
1:D:210:PHE:C	1:F:327:THR:OG1[2_757]	1.83	0.37
1:D:211:LEU:C	1:F:325:GLU:O[2_757]	1.83	0.37
1:D:211:LEU:CG	1:F:327:THR:CA[2_757]	1.83	0.37
1:D:225:PHE:CD1	5:F:1639:HOH:O[2_757]	1.83	0.37
1:D:232:VAL:N	1:F:398:LEU:CG[2_757]	1.83	0.37
1:D:239:SER:CB	1:F:338:TRP:CZ2[2_757]	1.83	0.37
1:D:241:PHE:C	1:F:15:ASP:OD1[2_757]	1.83	0.37
1:D:251:ARG:NH1	1:F:321:TYR:O[2_757]	1.83	0.37
1:D:256:MET:C	1:F:323:LYS:O[2_757]	1.83	0.37
1:D:297:LEU:C	1:E:262:LYS:CE[2_757]	1.83	0.37

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:300:PRO:CA	1:F:289:SER:CB[2_757]	1.83	0.37
1:D:301:ASP:O	1:F:284:ALA:O[2_757]	1.83	0.37
1:D:332:ILE:O	1:E:209:LEU:CB[2_757]	1.83	0.37
1:D:335:ILE:CB	1:E:209:LEU:CB[2_757]	1.83	0.37
1:D:338:TRP:O	1:E:269:MET:CB[2_757]	1.83	0.37
1:D:339:SER:N	1:E:269:MET:CG[2_757]	1.83	0.37
1:D:363:SER:CA	1:E:229:PHE:CE1[2_757]	1.83	0.37
1:D:363:SER:O	1:E:229:PHE:CG[2_757]	1.83	0.37
1:D:365:THR:N	1:E:229:PHE:CE2[2_757]	1.83	0.37
1:D:376:THR:N	1:E:237:TYR:C[2_757]	1.83	0.37
1:D:408:GLU:CG	1:E:191:ILE:N[2_757]	1.83	0.37
1:D:411:SER:OG	1:E:136:HIS:ND1[2_757]	1.83	0.37
1:D:411:SER:C	1:E:136:HIS:ND1[2_757]	1.83	0.37
1:E:48:GLU:O	1:E:177:GLY:N[2_657]	1.83	0.37
1:E:49:SER:N	1:E:177:GLY:C[2_657]	1.83	0.37
1:E:49:SER:O	1:E:150:PRO:CA[2_657]	1.83	0.37
1:E:51:ASP:OD2	1:F:186:ASN:O[2_657]	1.83	0.37
1:E:59:GLN:OE1	1:F:167:PRO:CD[2_657]	1.83	0.37
1:E:80:ASP:C	1:F:227:ASP:OD2[2_657]	1.83	0.37
1:E:86:GLU:N	1:F:228:ILE:CG1[2_657]	1.83	0.37
1:A:15:ASP:CA	1:A:154:GLU:CB[2_757]	1.84	0.36
1:A:51:ASP:N	1:B:184:MET:CA[2_757]	1.84	0.36
1:A:57:ILE:C	1:B:182:MET:CA[2_757]	1.84	0.36
1:A:63:GLU:CB	1:B:179:GLY:O[2_757]	1.84	0.36
1:A:83:ARG:NE	1:A:146:LEU:O[2_757]	1.84	0.36
1:A:83:ARG:NH1	1:A:147:ILE:C[2_757]	1.84	0.36
1:A:87:PHE:CG	1:A:175:TYR:CE2[2_757]	1.84	0.36
1:A:94:LYS:CB	1:A:142:ALA:C[2_757]	1.84	0.36
1:A:99:THR:C	1:B:172:VAL:O[2_757]	1.84	0.36
1:A:124:ARG:O	1:C:72:ILE:CG1[2_858]	1.84	0.36
1:A:124:ARG:CA	1:C:72:ILE:N[2_858]	1.84	0.36
1:A:125:TRP:C	1:C:11:VAL:CB[2_858]	1.84	0.36
1:A:129:ILE:O	1:C:7:VAL:C[2_858]	1.84	0.36
1:A:210:PHE:CA	1:C:350:ASN:OD1[2_858]	1.84	0.36
1:A:268:ILE:CA	1:C:350:ASN:O[2_858]	1.84	0.36
1:A:268:ILE:CB	1:C:352:PRO:CD[2_858]	1.84	0.36
1:A:288:GLY:CA	1:C:39:ASP:OD1[2_858]	1.84	0.36
1:A:313:THR:CA	1:B:167:PRO:CB[2_757]	1.84	0.36
1:A:313:THR:CG2	1:B:157:TYR:C[2_757]	1.84	0.36
1:A:314:VAL:N	1:B:166:GLN:C[2_757]	1.84	0.36
1:A:326:GLU:C	1:F:303:LYS:CG[2_657]	1.84	0.36

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:326:GLU:CD	1:F:305:PHE:CD2[2_657]	1.84	0.36
1:A:367:ASN:CA	1:F:55:ASP:OD2[2_657]	1.84	0.36
1:A:375:MET:CA	1:F:61:ALA:O[2_657]	1.84	0.36
1:A:379:LEU:CD2	1:F:43:TYR:CZ[2_657]	1.84	0.36
1:A:388:ARG:NH2	1:F:305:PHE:N[2_657]	1.84	0.36
1:A:396:GLU:N	1:F:104:LEU:CA[2_657]	1.84	0.36
1:A:400:ALA:O	1:F:98:GLY:C[2_657]	1.84	0.36
1:A:404:ARG:CD	1:F:99:THR:OG1[2_657]	1.84	0.36
1:A:406:GLN:NE2	1:F:141:LYS:O[2_657]	1.84	0.36
1:B:12:VAL:CG2	1:E:370:GLN:N[2_757]	1.84	0.36
1:B:50:ARG:C	1:E:340:ARG:C[2_757]	1.84	0.36
1:B:51:ASP:CG	1:E:344:LYS:CD[2_757]	1.84	0.36
1:B:54:SER:OG	1:E:307:SER:N[2_757]	1.84	0.36
1:B:55:ASP:OD1	1:E:339:SER:N[2_757]	1.84	0.36
1:B:56:LYS:CG	1:E:337:ALA:CA[2_757]	1.84	0.36
1:B:60:ASP:N	1:E:332:ILE:CA[2_757]	1.84	0.36
1:B:69:GLY:N	1:E:374:ILE:CG1[2_757]	1.84	0.36
1:B:76:THR:CB	1:E:360:ILE:N[2_757]	1.84	0.36
1:B:78:THR:N	1:E:353:ALA:C[2_757]	1.84	0.36
1:B:81:GLU:O	1:E:349:ASP:O[2_757]	1.84	0.36
1:B:83:ARG:C	1:E:351:THR:N[2_757]	1.84	0.36
1:B:84:VAL:CG1	1:E:349:ASP:CG[2_757]	1.84	0.36
1:B:89:LEU:C	1:E:344:LYS:O[2_757]	1.84	0.36
1:B:93:TRP:NE1	1:E:342:LEU:N[2_757]	1.84	0.36
1:B:96:PRO:N	1:E:357:PHE:CE1[2_757]	1.84	0.36
1:B:103:ILE:O	1:E:399:ASP:CA[2_757]	1.84	0.36
1:B:115:ILE:C	1:C:102:ASN:CG[2_858]	1.84	0.36
1:B:118:ILE:O	1:C:103:ILE:N[2_858]	1.84	0.36
1:B:121:LEU:C	1:C:65:ILE:C[2_858]	1.84	0.36
1:B:124:ARG:N	1:C:60:ASP:C[2_858]	1.84	0.36
1:B:139:GLN:C	1:E:4:LYS:NZ[2_757]	1.84	0.36
1:B:297:LEU:CD2	1:E:403:LYS:O[2_757]	1.84	0.36
1:B:310:ALA:C	1:E:411:SER:N[2_757]	1.84	0.36
1:B:329:THR:OG1	1:C:196:HIS:O[2_858]	1.84	0.36
1:B:356:LYS:O	1:D:150:PRO:O[2_858]	1.84	0.36
1:B:362:GLU:CG	1:D:176:LYS:O[2_858]	1.84	0.36
1:B:363:SER:C	1:D:175:TYR:CE2[2_858]	1.84	0.36
1:B:370:GLN:CB	1:C:185:TYR:OH[2_858]	1.84	0.36
1:B:389:SER:OG	1:C:278:VAL:C[2_858]	1.84	0.36
1:B:397:PHE:CE2	1:C:191:ILE:CA[2_858]	1.84	0.36
1:B:397:PHE:CE1	1:C:134:HIS:CE1[2_858]	1.84	0.36

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:401:VAL:O	1:D:180:VAL:CA[2_858]	1.84	0.36
1:B:407:LYS:N	1:D:145:THR:N[2_858]	1.84	0.36
1:B:408:GLU:OE2	1:D:181:ALA:CB[2_858]	1.84	0.36
1:B:411:SER:OG	1:C:168:GLN:O[2_858]	1.84	0.36
1:B:411:SER:N	1:C:169:THR:N[2_858]	1.84	0.36
1:D:173:TYR:CG	5:B:1219:HOH:O[2_858]	1.84	0.36
1:C:85:LYS:CE	1:C:88:ASN:CA[2_958]	1.84	0.36
1:D:2:PHE:C	1:E:306:GLU:OE2[2_757]	1.84	0.36
1:D:4:LYS:CE	1:E:295:SER:C[2_757]	1.84	0.36
1:D:24:TRP:CE3	1:E:207:LEU:CG[2_757]	1.84	0.36
1:D:25:ASP:C	1:E:205:LYS:CD[2_757]	1.84	0.36
1:D:35:TYR:O	1:E:110:ARG:NE[2_757]	1.84	0.36
1:D:39:ASP:CB	1:E:289:SER:O[2_757]	1.84	0.36
1:D:109:PHE:CD1	3:F:1601:NDP:P2B[2_757]	1.84	0.36
1:D:115:ILE:CA	1:E:230:GLN:NE2[2_757]	1.84	0.36
1:D:118:ILE:N	1:E:234:GLU:OE1[2_757]	1.84	0.36
1:D:130:ILE:C	1:F:316:ARG:CB[2_757]	1.84	0.36
1:D:187:THR:N	1:F:390:ALA:O[2_757]	1.84	0.36
1:D:195:ALA:CA	1:F:329:THR:O[2_757]	1.84	0.36
1:D:198:SER:O	1:F:314:VAL:CB[2_757]	1.84	0.36
1:D:200:LYS:CD	1:F:291:GLY:CA[2_757]	1.84	0.36
1:D:212:SER:CB	1:F:326:GLU:N[2_757]	1.84	0.36
1:D:222:ASP:O	1:F:396:GLU:OE1[2_757]	1.84	0.36
1:D:226:LYS:O	1:F:395:GLU:CB[2_757]	1.84	0.36
1:D:234:GLU:CD	1:F:30:LYS:CG[2_757]	1.84	0.36
1:D:244:LEU:N	1:F:16:GLY:CA[2_757]	1.84	0.36
1:D:299:THR:N	1:F:285:GLN:NE2[2_757]	1.84	0.36
1:D:302:GLY:C	1:F:286:GLY:N[2_757]	1.84	0.36
1:D:305:PHE:CB	1:E:261:ILE:C[2_757]	1.84	0.36
1:D:311:HIS:CG	1:E:245:GLY:O[2_757]	1.84	0.36
1:D:317:HIS:CE1	1:E:243:GLN:C[2_757]	1.84	0.36
1:D:332:ILE:CG2	1:E:248:TYR:CA[2_757]	1.84	0.36
1:D:334:SER:OG	1:E:207:LEU:CA[2_757]	1.84	0.36
1:D:340:ARG:N	1:E:269:MET:CG[2_757]	1.84	0.36
1:D:347:GLU:O	1:F:279:GLN:CD[2_757]	1.84	0.36
1:D:350:ASN:CA	1:F:257:VAL:CG1[2_757]	1.84	0.36
1:D:355:CYS:CA	1:E:275:ASP:C[2_757]	1.84	0.36
1:D:357:PHE:CE1	1:E:132:GLY:C[2_757]	1.84	0.36
1:D:357:PHE:CE2	1:E:133:ARG:N[2_757]	1.84	0.36
1:D:375:MET:N	1:E:236:GLN:CB[2_757]	1.84	0.36
1:D:375:MET:C	1:E:236:GLN:C[2_757]	1.84	0.36

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:399:ASP:N	1:E:200:LYS:CB[2_757]	1.84	0.36
1:D:405:LEU:CB	1:E:107:THR:OG1[2_757]	1.84	0.36
1:E:55:ASP:OD1	1:E:148:PRO:CD[2_657]	1.84	0.36
1:E:81:GLU:CA	1:F:227:ASP:CG[2_657]	1.84	0.36
1:E:86:GLU:CA	1:F:228:ILE:CG1[2_657]	1.84	0.36
1:E:87:PHE:CA	1:F:228:ILE:CD1[2_657]	1.84	0.36
1:E:88:ASN:N	1:F:191:ILE:CG1[2_657]	1.84	0.36
1:E:89:LEU:O	1:E:180:VAL:CB[2_657]	1.84	0.36
1:A:20:THR:N	1:B:158:LYS:CB[2_757]	1.85	0.35
1:A:46:SER:CB	1:A:153:LEU:O[2_757]	1.85	0.35
1:A:55:ASP:OD2	1:A:183:ALA:CA[2_757]	1.85	0.35
1:A:56:LYS:CB	1:B:182:MET:SD[2_757]	1.85	0.35
1:A:59:GLN:CA	1:B:181:ALA:CB[2_757]	1.85	0.35
1:A:70:VAL:O	1:A:159:PRO:CG[2_757]	1.85	0.35
1:A:73:LYS:N	1:A:156:VAL:CG1[2_757]	1.85	0.35
1:A:84:VAL:CB	1:B:224:ARG:CG[2_757]	1.85	0.35
1:A:88:ASN:C	1:B:187:THR:O[2_757]	1.85	0.35
1:A:88:ASN:ND2	1:B:190:SER:C[2_757]	1.85	0.35
1:A:93:TRP:CG	1:A:182:MET:CG[2_757]	1.85	0.35
1:A:115:ILE:CG2	1:F:57:ILE:CB[2_657]	1.85	0.35
1:A:120:ARG:CA	1:C:40:LEU:C[2_858]	1.85	0.35
1:A:332:ILE:N	1:F:63:GLU:CG[2_657]	1.85	0.35
1:A:370:GLN:N	1:F:58:THR:N[2_657]	1.85	0.35
1:A:373:GLY:O	1:F:14:LEU:CD1[2_657]	1.85	0.35
1:A:375:MET:SD	1:F:14:LEU:CD2[2_657]	1.85	0.35
1:A:397:PHE:C	1:F:103:ILE:CB[2_657]	1.85	0.35
1:A:398:LEU:CA	1:F:103:ILE:CB[2_657]	1.85	0.35
1:A:406:GLN:CD	1:F:141:LYS:N[2_657]	1.85	0.35
1:B:10:PRO:CB	1:E:117:ARG:NE[2_757]	1.85	0.35
1:B:17:ASP:O	1:C:236:GLN:NE2[2_858]	1.85	0.35
1:B:53:THR:N	1:E:340:ARG:CB[2_757]	1.85	0.35
1:B:54:SER:N	1:E:307:SER:OG[2_757]	1.85	0.35
1:B:56:LYS:CD	1:E:308:GLU:C[2_757]	1.85	0.35
1:B:71:GLY:N	1:E:404:ARG:NE[2_757]	1.85	0.35
1:B:123:PRO:CB	1:C:61:ALA:N[2_858]	1.85	0.35
1:B:277:ASP:C	1:E:2:PHE:CG[2_757]	1.85	0.35
1:B:290:LEU:N	1:C:301:ASP:OD1[2_858]	1.85	0.35
1:B:308:GLU:CD	1:E:408:GLU:CA[2_757]	1.85	0.35
1:B:308:GLU:OE2	1:E:406:GLN:C[2_757]	1.85	0.35
1:B:314:VAL:CG1	1:C:200:LYS:CD[2_858]	1.85	0.35
1:B:316:ARG:C	1:C:200:LYS:O[2_858]	1.85	0.35

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:321:TYR:C	1:C:241:PHE:CE2[2_858]	1.85	0.35
1:B:326:GLU:N	1:C:209:LEU:N[2_858]	1.85	0.35
1:B:329:THR:C	1:C:194:PHE:CA[2_858]	1.85	0.35
1:B:330:ASN:O	1:C:192:GLU:C[2_858]	1.85	0.35
1:B:332:ILE:O	1:C:189:GLU:CA[2_858]	1.85	0.35
1:B:362:GLU:CG	1:D:177:GLY:CA[2_858]	1.85	0.35
1:B:365:THR:CA	1:C:186:ASN:C[2_858]	1.85	0.35
1:B:378:ASP:C	1:C:106:GLY:C[2_858]	1.85	0.35
1:B:396:GLU:C	1:C:225:PHE:CD2[2_858]	1.85	0.35
1:B:403:LYS:N	1:C:220:LYS:C[2_858]	1.85	0.35
1:B:404:ARG:CG	1:D:181:ALA:C[2_858]	1.85	0.35
1:C:317:HIS:CA	1:C:320:LYS:CA[2_958]	1.85	0.35
1:D:4:LYS:CB	1:E:308:GLU:CD[2_757]	1.85	0.35
1:D:6:LYS:CD	1:E:312:GLY:N[2_757]	1.85	0.35
1:D:12:VAL:CG1	1:E:120:ARG:CZ[2_757]	1.85	0.35
1:D:12:VAL:CG1	1:E:120:ARG:NE[2_757]	1.85	0.35
1:D:13:GLU:OE2	1:E:128:PRO:CG[2_757]	1.85	0.35
1:D:23:ILE:N	1:E:206:LYS:CB[2_757]	1.85	0.35
1:D:31:LEU:C	1:E:109:PHE:CE1[2_757]	1.85	0.35
1:D:36:LEU:O	1:E:295:SER:CA[2_757]	1.85	0.35
1:D:65:ILE:N	1:E:123:PRO:O[2_757]	1.85	0.35
1:D:65:ILE:CB	1:E:124:ARG:CA[2_757]	1.85	0.35
1:D:66:LYS:N	1:E:123:PRO:N[2_757]	1.85	0.35
1:D:109:PHE:CG	3:F:1601:NDP:O2B[2_757]	1.85	0.35
1:D:118:ILE:CG1	1:E:234:GLU:OE1[2_757]	1.85	0.35
1:D:127:LYS:NZ	1:F:83:ARG:CD[2_757]	1.85	0.35
1:D:196:HIS:CA	1:F:330:ASN:C[2_757]	1.85	0.35
1:D:205:LYS:C	3:F:1601:NDP:C1D[2_757]	1.85	0.35
1:D:212:SER:CA	1:F:326:GLU:CA[2_757]	1.85	0.35
1:D:212:SER:N	1:F:326:GLU:C[2_757]	1.85	0.35
1:D:213:THR:N	1:F:326:GLU:N[2_757]	1.85	0.35
1:D:229:PHE:CD2	1:F:394:THR:CA[2_757]	1.85	0.35
1:D:231:GLU:CG	1:F:400:ALA:N[2_757]	1.85	0.35
1:D:234:GLU:CG	1:F:26:LYS:C[2_757]	1.85	0.35
1:D:239:SER:C	1:F:24:TRP:CG[2_757]	1.85	0.35
1:D:241:PHE:CD2	1:F:21:ARG:CA[2_757]	1.85	0.35
1:D:241:PHE:CE2	1:F:20:THR:C[2_757]	1.85	0.35
1:D:248:TYR:N	1:F:22:ILE:CA[2_757]	1.85	0.35
1:D:267:PHE:N	1:F:319:ARG:NH2[2_757]	1.85	0.35
1:D:356:LYS:N	1:E:275:ASP:CB[2_757]	1.85	0.35
1:D:407:LYS:CD	1:E:300:PRO:CG[2_757]	1.85	0.35

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:409:ILE:O	1:E:135:ALA:C[2_757]	1.85	0.35
1:E:50:ARG:CG	1:E:149:GLY:CA[2_657]	1.85	0.35
1:E:84:VAL:CG1	1:F:224:ARG:N[2_657]	1.85	0.35
1:E:87:PHE:CZ	1:F:192:GLU:OE1[2_657]	1.85	0.35
1:E:87:PHE:O	1:F:187:THR:C[2_657]	1.85	0.35
1:E:99:THR:CB	1:F:166:GLN:OE1[2_657]	1.85	0.35
1:A:12:VAL:N	1:A:166:GLN:C[2_757]	1.86	0.34
1:A:49:SER:N	1:A:172:VAL:O[2_757]	1.86	0.34
1:A:68:TYR:CB	1:A:165:ALA:C[2_757]	1.86	0.34
1:A:91:LYS:CB	1:B:221:TYR:CD2[2_757]	1.86	0.34
1:A:100:ILE:CB	1:B:153:LEU:C[2_757]	1.86	0.34
1:A:114:VAL:CG2	1:C:37:ASP:CA[2_858]	1.86	0.34
1:A:114:VAL:CB	1:C:38:VAL:N[2_858]	1.86	0.34
1:A:115:ILE:CG1	1:F:60:ASP:CG[2_657]	1.86	0.34
1:A:207:LEU:CG	1:C:354:LEU:N[2_858]	1.86	0.34
1:A:262:LYS:CB	1:C:305:PHE:CA[2_858]	1.86	0.34
1:A:262:LYS:CG	1:C:305:PHE:CE2[2_858]	1.86	0.34
1:A:263:SER:CB	1:C:345:ARG:N[2_858]	1.86	0.34
1:A:315:THR:CB	1:B:165:ALA:CA[2_757]	1.86	0.34
1:A:318:TYR:CA	1:B:161:ASP:N[2_757]	1.86	0.34
1:A:318:TYR:CE1	1:B:160:SER:CB[2_757]	1.86	0.34
1:A:376:THR:CB	1:F:66:LYS:N[2_657]	1.86	0.34
1:A:377:LYS:CD	1:F:68:TYR:O[2_657]	1.86	0.34
1:A:380:ALA:O	1:F:41:LYS:O[2_657]	1.86	0.34
1:A:386:ASN:CA	1:F:11:VAL:CG2[2_657]	1.86	0.34
1:A:406:GLN:OE1	1:F:140:TYR:C[2_657]	1.86	0.34
1:A:406:GLN:OE1	1:F:141:LYS:C[2_657]	1.86	0.34
1:B:11:VAL:CG1	1:E:371:GLN:CD[2_757]	1.86	0.34
1:B:22:ILE:C	1:C:231:GLU:C[2_858]	1.86	0.34
1:B:50:ARG:CB	1:E:339:SER:C[2_757]	1.86	0.34
1:B:55:ASP:C	1:E:338:TRP:N[2_757]	1.86	0.34
1:B:59:GLN:CB	1:E:335:ILE:CB[2_757]	1.86	0.34
1:B:69:GLY:O	1:E:372:ASP:CB[2_757]	1.86	0.34
1:B:71:GLY:N	1:E:372:ASP:OD2[2_757]	1.86	0.34
1:B:71:GLY:C	1:E:404:ARG:NH2[2_757]	1.86	0.34
1:B:73:LYS:NZ	1:E:360:ILE:CA[2_757]	1.86	0.34
1:B:76:THR:CG2	1:E:360:ILE:CA[2_757]	1.86	0.34
1:B:82:ALA:O	1:E:349:ASP:C[2_757]	1.86	0.34
1:B:83:ARG:CZ	1:E:352:PRO:C[2_757]	1.86	0.34
1:B:93:TRP:CZ3	1:E:72:ILE:CD1[2_757]	1.86	0.34
1:B:98:GLY:O	1:E:31:LEU:CA[2_757]	1.86	0.34

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:99:THR:O	1:E:31:LEU:CB[2_757]	1.86	0.34
1:B:99:THR:OG1	1:E:32:ILE:CD1[2_757]	1.86	0.34
1:B:115:ILE:O	1:C:102:ASN:CG[2_858]	1.86	0.34
1:B:141:LYS:CD	1:E:29:LYS:C[2_757]	1.86	0.34
1:B:262:LYS:N	1:C:67:LYS:CE[2_858]	1.86	0.34
1:B:306:GLU:CA	1:E:404:ARG:CG[2_757]	1.86	0.34
1:B:314:VAL:CB	1:C:200:LYS:NZ[2_858]	1.86	0.34
1:B:324:GLY:CA	1:C:247:HIS:O[2_858]	1.86	0.34
1:B:327:THR:OG1	1:C:209:LEU:CD1[2_858]	1.86	0.34
1:B:352:PRO:N	1:C:161:ASP:OD1[2_858]	1.86	0.34
1:B:354:LEU:N	1:C:163:THR:C[2_858]	1.86	0.34
1:B:362:GLU:CD	1:D:177:GLY:N[2_858]	1.86	0.34
1:B:365:THR:CG2	1:C:187:THR:OG1[2_858]	1.86	0.34
1:B:367:ASN:OD1	1:C:185:TYR:CD2[2_858]	1.86	0.34
1:B:372:ASP:CA	1:C:139:GLN:N[2_858]	1.86	0.34
1:B:381:LEU:C	1:C:297:LEU:CB[2_858]	1.86	0.34
1:B:383:CYS:SG	1:C:101:ARG:CB[2_858]	1.86	0.34
1:B:385:ASN:ND2	1:C:101:ARG:NH1[2_858]	1.86	0.34
1:B:388:ARG:NH2	1:C:270:ALA:C[2_858]	1.86	0.34
1:B:405:LEU:C	1:D:146:LEU:O[2_858]	1.86	0.34
1:B:406:GLN:C	1:D:145:THR:CG2[2_858]	1.86	0.34
1:B:406:GLN:N	1:D:145:THR:O[2_858]	1.86	0.34
1:B:408:GLU:OE2	1:D:175:TYR:OH[2_858]	1.86	0.34
1:D:3:SER:OG	1:E:101:ARG:NE[2_757]	1.86	0.34
1:D:32:ILE:N	1:E:109:PHE:CD1[2_757]	1.86	0.34
1:D:40:LEU:CG	1:E:111:GLU:C[2_757]	1.86	0.34
1:D:65:ILE:CA	1:E:122:VAL:C[2_757]	1.86	0.34
1:D:67:LYS:CA	1:E:121:LEU:O[2_757]	1.86	0.34
1:D:67:LYS:O	1:E:121:LEU:C[2_757]	1.86	0.34
1:D:68:TYR:N	1:E:121:LEU:CA[2_757]	1.86	0.34
1:D:71:GLY:CA	1:E:125:TRP:CG[2_757]	1.86	0.34
1:D:100:ILE:CG1	1:E:264:LYS:CE[2_757]	1.86	0.34
1:D:102:ASN:C	1:F:384:GLY:CA[2_757]	1.86	0.34
1:D:118:ILE:CD1	1:E:234:GLU:CG[2_757]	1.86	0.34
1:D:118:ILE:CG1	1:E:234:GLU:CB[2_757]	1.86	0.34
1:D:198:SER:CB	1:F:329:THR:OG1[2_757]	1.86	0.34
1:D:201:LEU:O	1:F:313:THR:N[2_757]	1.86	0.34
1:D:202:ALA:N	1:F:313:THR:C[2_757]	1.86	0.34
1:D:228:ILE:CG2	1:F:397:PHE:CA[2_757]	1.86	0.34
1:D:232:VAL:N	1:F:398:LEU:CA[2_757]	1.86	0.34
1:D:236:GLN:CA	1:F:335:ILE:CA[2_757]	1.86	0.34

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:236:GLN:N	1:F:335:ILE:CG1[2_757]	1.86	0.34
1:D:240:LYS:CG	1:F:24:TRP:CZ3[2_757]	1.86	0.34
1:D:240:LYS:CB	1:F:74:CYS:CA[2_757]	1.86	0.34
1:D:243:GLN:C	1:F:15:ASP:CA[2_757]	1.86	0.34
1:D:244:LEU:CD1	1:F:75:ALA:N[2_757]	1.86	0.34
1:D:246:ILE:CB	1:F:17:ASP:O[2_757]	1.86	0.34
1:D:246:ILE:CG2	1:F:17:ASP:N[2_757]	1.86	0.34
1:D:305:PHE:CD2	1:E:261:ILE:CG2[2_757]	1.86	0.34
1:D:305:PHE:CD1	1:E:258:ALA:CA[2_757]	1.86	0.34
1:D:306:GLU:CB	1:E:263:SER:O[2_757]	1.86	0.34
1:D:306:GLU:CB	1:E:263:SER:N[2_757]	1.86	0.34
1:D:311:HIS:CB	1:E:247:HIS:CE1[2_757]	1.86	0.34
1:D:317:HIS:CE1	1:E:243:GLN:O[2_757]	1.86	0.34
1:D:333:ALA:O	1:E:208:ASN:C[2_757]	1.86	0.34
1:D:336:PHE:CZ	1:E:248:TYR:CE1[2_757]	1.86	0.34
1:D:338:TRP:CG	1:E:268:ILE:CA[2_757]	1.86	0.34
1:D:340:ARG:CD	1:E:256:MET:CG[2_757]	1.86	0.34
1:D:342:LEU:CD2	1:E:131:ILE:CD1[2_757]	1.86	0.34
1:D:345:ARG:CG	1:E:282:ILE:C[2_757]	1.86	0.34
1:D:351:THR:CA	1:E:278:VAL:CB[2_757]	1.86	0.34
1:D:354:LEU:CA	1:E:277:ASP:N[2_757]	1.86	0.34
1:D:356:LYS:CE	1:E:139:GLN:CD[2_757]	1.86	0.34
1:D:360:ILE:CB	1:E:134:HIS:CB[2_757]	1.86	0.34
1:D:362:GLU:CB	1:E:211:LEU:CD2[2_757]	1.86	0.34
1:D:374:ILE:C	1:E:236:GLN:C[2_757]	1.86	0.34
1:D:393:THR:O	1:E:240:LYS:CD[2_757]	1.86	0.34
1:D:401:VAL:CG1	1:E:195:ALA:O[2_757]	1.86	0.34
1:D:401:VAL:CB	1:E:196:HIS:O[2_757]	1.86	0.34
1:D:404:ARG:NE	1:E:192:GLU:CA[2_757]	1.86	0.34
1:D:405:LEU:CA	1:E:194:PHE:CA[2_757]	1.86	0.34
1:E:48:GLU:C	1:E:178:SER:N[2_657]	1.86	0.34
1:E:55:ASP:CB	1:E:148:PRO:CD[2_657]	1.86	0.34
1:E:62:ALA:CA	1:F:163:THR:CA[2_657]	1.86	0.34
1:E:83:ARG:N	1:F:227:ASP:CB[2_657]	1.86	0.34
1:E:84:VAL:C	1:F:224:ARG:CA[2_657]	1.86	0.34
1:E:87:PHE:O	1:F:188:ASP:CA[2_657]	1.86	0.34
1:E:93:TRP:CZ3	1:E:146:LEU:O[2_657]	1.86	0.34
1:A:3:SER:OG	1:E:170:LEU:C[2_657]	1.87	0.33
1:A:3:SER:O	1:E:170:LEU:C[2_657]	1.87	0.33
1:A:18:GLU:CG	1:B:157:TYR:OH[2_757]	1.87	0.33
1:A:53:THR:CA	1:B:142:ALA:N[2_757]	1.87	0.33

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:54:SER:CB	1:B:139:GLN:CB[2_757]	1.87	0.33
1:A:59:GLN:O	1:B:180:VAL:C[2_757]	1.87	0.33
1:A:59:GLN:N	1:B:181:ALA:CA[2_757]	1.87	0.33
1:A:62:ALA:CA	1:B:153:LEU:CD2[2_757]	1.87	0.33
1:A:66:LYS:O	1:B:150:PRO:N[2_757]	1.87	0.33
1:A:70:VAL:C	1:A:159:PRO:N[2_757]	1.87	0.33
1:A:86:GLU:N	1:B:188:ASP:OD1[2_757]	1.87	0.33
1:A:93:TRP:NE1	1:B:221:TYR:OH[2_757]	1.87	0.33
1:A:117:ARG:NH1	1:F:46:SER:CA[2_657]	1.87	0.33
1:A:122:VAL:CA	1:C:12:VAL:CB[2_858]	1.87	0.33
1:A:162:PRO:CB	1:A:345:ARG:NE[2_757]	1.87	0.33
1:A:262:LYS:NZ	1:C:298:VAL:CG1[2_858]	1.87	0.33
1:A:264:LYS:CB	1:C:341:GLY:O[2_858]	1.87	0.33
1:A:283:VAL:CG1	1:C:9:GLN:CA[2_858]	1.87	0.33
1:A:313:THR:C	1:B:167:PRO:CB[2_757]	1.87	0.33
1:A:316:ARG:C	1:B:163:THR:CA[2_757]	1.87	0.33
1:A:318:TYR:C	1:B:161:ASP:O[2_757]	1.87	0.33
1:A:371:GLN:OE1	1:F:50:ARG:CG[2_657]	1.87	0.33
1:A:374:ILE:CG2	1:F:100:ILE:CG1[2_657]	1.87	0.33
1:A:376:THR:OG1	1:F:63:GLU:O[2_657]	1.87	0.33
1:A:379:LEU:O	1:F:43:TYR:CE1[2_657]	1.87	0.33
1:A:391:TYR:CE2	1:F:70:VAL:CB[2_657]	1.87	0.33
1:A:391:TYR:O	1:F:71:GLY:N[2_657]	1.87	0.33
1:A:393:THR:O	1:F:104:LEU:CG[2_657]	1.87	0.33
1:A:397:PHE:CZ	1:F:59:GLN:O[2_657]	1.87	0.33
1:A:399:ASP:C	1:F:102:ASN:C[2_657]	1.87	0.33
1:A:399:ASP:C	1:F:102:ASN:CB[2_657]	1.87	0.33
1:B:168:GLN:OE1	3:A:1101:NDP:O3D[2_757]	1.87	0.33
1:B:18:GLU:CA	1:C:236:GLN:O[2_858]	1.87	0.33
1:B:22:ILE:CG1	1:C:233:TYR:CA[2_858]	1.87	0.33
1:B:30:LYS:NZ	1:C:227:ASP:C[2_858]	1.87	0.33
1:B:45:LEU:O	1:E:359:ASN:CB[2_757]	1.87	0.33
1:B:50:ARG:CD	1:E:358:ALA:CA[2_757]	1.87	0.33
1:B:55:ASP:OD1	1:E:339:SER:CA[2_757]	1.87	0.33
1:B:62:ALA:N	1:E:365:THR:CB[2_757]	1.87	0.33
1:B:77:ILE:CG1	1:E:356:LYS:CG[2_757]	1.87	0.33
1:B:77:ILE:C	1:E:353:ALA:O[2_757]	1.87	0.33
1:B:80:ASP:C	1:E:351:THR:OG1[2_757]	1.87	0.33
1:B:88:ASN:CG	1:E:348:LEU:CD2[2_757]	1.87	0.33
1:B:93:TRP:CZ2	1:E:341:GLY:O[2_757]	1.87	0.33
1:B:103:ILE:C	1:E:398:LEU:C[2_757]	1.87	0.33

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:122:VAL:O	1:C:63:GLU:O[2_858]	1.87	0.33
1:B:122:VAL:CG1	1:C:64:ALA:CA[2_858]	1.87	0.33
1:B:123:PRO:N	1:C:64:ALA:N[2_858]	1.87	0.33
1:B:124:ARG:NH2	1:F:39:ASP:OD1[2_657]	1.87	0.33
1:B:281:ASP:CA	1:C:303:LYS:NZ[2_858]	1.87	0.33
1:B:289:SER:OG	1:C:300:PRO:N[2_858]	1.87	0.33
1:B:298:VAL:CB	1:E:403:LYS:CE[2_757]	1.87	0.33
1:B:306:GLU:CD	1:E:405:LEU:N[2_757]	1.87	0.33
1:B:308:GLU:OE2	1:E:407:LYS:N[2_757]	1.87	0.33
1:B:309:ALA:O	1:E:411:SER:OG[2_757]	1.87	0.33
1:B:311:HIS:C	1:E:411:SER:C[2_757]	1.87	0.33
1:B:320:LYS:N	1:C:203:ILE:CB[2_858]	1.87	0.33
1:B:323:LYS:CG	1:C:246:ILE:CG2[2_858]	1.87	0.33
1:B:325:GLU:OE1	1:C:207:LEU:N[2_858]	1.87	0.33
1:B:328:SER:O	1:C:194:PHE:O[2_858]	1.87	0.33
1:B:353:ALA:CB	1:C:163:THR:CA[2_858]	1.87	0.33
1:B:363:SER:C	1:D:175:TYR:CD1[2_858]	1.87	0.33
1:B:367:ASN:C	1:C:185:TYR:O[2_858]	1.87	0.33
1:B:375:MET:O	1:C:134:HIS:N[2_858]	1.87	0.33
1:B:377:LYS:O	1:C:107:THR:O[2_858]	1.87	0.33
1:B:385:ASN:CB	1:C:110:ARG:CZ[2_858]	1.87	0.33
1:B:387:GLU:C	1:C:280:SER:CB[2_858]	1.87	0.33
1:B:393:THR:OG1	1:C:211:LEU:CB[2_858]	1.87	0.33
1:B:395:GLU:C	1:C:225:PHE:C[2_858]	1.87	0.33
1:C:317:HIS:CB	1:C:325:GLU:CG[2_958]	1.87	0.33
1:D:3:SER:OG	1:E:101:ARG:CZ[2_757]	1.87	0.33
1:D:9:GLN:O	1:E:284:ALA:C[2_757]	1.87	0.33
1:D:13:GLU:CB	1:E:128:PRO:CB[2_757]	1.87	0.33
1:D:23:ILE:CG2	1:E:206:LYS:N[2_757]	1.87	0.33
1:D:26:LYS:CG	1:E:204:ASP:O[2_757]	1.87	0.33
1:D:27:ILE:N	1:E:201:LEU:CD2[2_757]	1.87	0.33
1:D:30:LYS:C	1:E:109:PHE:CD2[2_757]	1.87	0.33
1:D:33:LEU:N	1:E:109:PHE:C[2_757]	1.87	0.33
1:D:42:TYR:CA	1:E:114:VAL:CB[2_757]	1.87	0.33
1:D:61:ALA:O	1:E:123:PRO:O[2_757]	1.87	0.33
1:D:67:LYS:CA	1:E:123:PRO:CD[2_757]	1.87	0.33
1:D:81:GLU:CB	1:D:88:ASN:CB[2_858]	1.87	0.33
1:D:83:ARG:C	1:D:85:LYS:CG[2_858]	1.87	0.33
1:D:109:PHE:CG	3:F:1601:NDP:C2B[2_757]	1.87	0.33
1:D:115:ILE:CA	1:E:230:GLN:OE1[2_757]	1.87	0.33
1:D:130:ILE:C	1:F:316:ARG:CA[2_757]	1.87	0.33

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:190:SER:CB	1:F:380:ALA:CA[2_757]	1.87	0.33
1:D:197:SER:C	3:F:1601:NDP:C4A[2_757]	1.87	0.33
1:D:201:LEU:CG	3:F:1601:NDP:O2A[2_757]	1.87	0.33
1:D:207:LEU:CG	1:F:83:ARG:NH2[2_757]	1.87	0.33
1:D:225:PHE:CD1	1:F:388:ARG:CZ[2_757]	1.87	0.33
1:D:227:ASP:O	1:F:396:GLU:C[2_757]	1.87	0.33
1:D:233:TYR:OH	1:F:22:ILE:C[2_757]	1.87	0.33
1:D:244:LEU:CA	1:F:15:ASP:O[2_757]	1.87	0.33
1:D:269:MET:N	1:F:316:ARG:C[2_757]	1.87	0.33
1:D:271:LEU:CG	1:F:320:LYS:CE[2_757]	1.87	0.33
1:D:301:ASP:O	5:F:1642:HOH:O[2_757]	1.87	0.33
1:D:303:LYS:CB	1:F:287:PHE:N[2_757]	1.87	0.33
1:D:330:ASN:C	1:E:246:ILE:CG1[2_757]	1.87	0.33
1:D:360:ILE:CG2	1:E:134:HIS:CB[2_757]	1.87	0.33
1:D:362:GLU:C	1:E:211:LEU:CG[2_757]	1.87	0.33
1:D:362:GLU:CG	1:E:211:LEU:C[2_757]	1.87	0.33
1:D:375:MET:CA	1:E:236:GLN:CA[2_757]	1.87	0.33
1:D:405:LEU:CD2	1:E:194:PHE:CD2[2_757]	1.87	0.33
1:D:409:ILE:O	1:E:136:HIS:CB[2_757]	1.87	0.33
1:D:411:SER:C	1:E:136:HIS:C[2_757]	1.87	0.33
1:E:45:LEU:CG	1:F:164:THR:CG2[2_657]	1.87	0.33
1:E:48:GLU:CG	5:E:1522:HOH:O[2_657]	1.87	0.33
1:E:60:ASP:CB	1:F:162:PRO:CD[2_657]	1.87	0.33
1:E:85:LYS:NZ	1:F:211:LEU:CD1[2_657]	1.87	0.33
1:A:43:TYR:CE2	1:B:145:THR:CG2[2_757]	1.88	0.32
1:A:43:TYR:CG	1:A:170:LEU:CG[2_757]	1.88	0.32
1:A:53:THR:N	1:B:142:ALA:CB[2_757]	1.88	0.32
1:A:56:LYS:C	1:B:182:MET:CG[2_757]	1.88	0.32
1:A:64:ALA:C	1:B:148:PRO:CD[2_757]	1.88	0.32
1:A:76:THR:CA	1:B:156:VAL:C[2_757]	1.88	0.32
1:A:76:THR:CB	1:B:156:VAL:N[2_757]	1.88	0.32
1:A:89:LEU:CD2	1:B:186:ASN:N[2_757]	1.88	0.32
1:A:90:HIS:O	1:B:225:PHE:CD1[2_757]	1.88	0.32
1:A:99:THR:CA	1:B:172:VAL:CG1[2_757]	1.88	0.32
1:A:103:ILE:C	1:B:173:TYR:CE2[2_757]	1.88	0.32
1:A:120:ARG:CG	1:C:40:LEU:N[2_858]	1.88	0.32
1:A:124:ARG:CA	1:C:71:GLY:C[2_858]	1.88	0.32
1:A:207:LEU:CD1	1:C:353:ALA:C[2_858]	1.88	0.32
1:A:219:LYS:CD	1:E:38:VAL:CA[2_757]	1.88	0.32
1:A:261:ILE:CD1	1:C:68:TYR:C[2_858]	1.88	0.32
1:A:267:PHE:O	1:C:351:THR:CG2[2_858]	1.88	0.32

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:267:PHE:O	1:C:351:THR:CA[2_858]	1.88	0.32
1:A:314:VAL:CB	1:B:167:PRO:CD[2_757]	1.88	0.32
1:A:365:THR:OG1	1:F:59:GLN:CD[2_657]	1.88	0.32
1:A:366:LEU:CG	1:F:56:LYS:CA[2_657]	1.88	0.32
1:A:372:ASP:OD2	1:F:95:SER:C[2_657]	1.88	0.32
1:A:372:ASP:CB	1:F:96:PRO:C[2_657]	1.88	0.32
1:A:375:MET:O	1:F:65:ILE:CB[2_657]	1.88	0.32
1:A:382:ALA:N	1:F:41:LYS:CD[2_657]	1.88	0.32
1:A:391:TYR:CB	1:F:70:VAL:O[2_657]	1.88	0.32
1:A:399:ASP:CG	1:F:105:GLY:CA[2_657]	1.88	0.32
1:A:399:ASP:C	1:F:101:ARG:C[2_657]	1.88	0.32
1:A:406:GLN:CD	1:F:141:LYS:O[2_657]	1.88	0.32
1:F:189:GLU:OE1	5:A:1122:HOH:O[2_657]	1.88	0.32
1:B:22:ILE:CD1	1:C:233:TYR:O[2_858]	1.88	0.32
1:B:44:ASP:O	1:E:362:GLU:CD[2_757]	1.88	0.32
1:B:50:ARG:CZ	1:E:358:ALA:C[2_757]	1.88	0.32
1:B:61:ALA:C	1:E:365:THR:CB[2_757]	1.88	0.32
1:B:66:LYS:NZ	1:E:397:PHE:N[2_757]	1.88	0.32
1:B:69:GLY:CA	1:E:374:ILE:CD1[2_757]	1.88	0.32
1:B:89:LEU:CB	1:E:345:ARG:C[2_757]	1.88	0.32
1:B:95:SER:N	1:E:36:LEU:CG[2_757]	1.88	0.32
1:B:96:PRO:CD	1:E:357:PHE:O[2_757]	1.88	0.32
1:B:101:ARG:C	1:E:402:GLU:CB[2_757]	1.88	0.32
1:B:102:ASN:ND2	1:E:30:LYS:CA[2_757]	1.88	0.32
1:B:103:ILE:CG2	1:E:398:LEU:O[2_757]	1.88	0.32
1:B:285:GLN:NE2	1:C:304:THR:CB[2_858]	1.88	0.32
1:B:322:GLN:C	1:C:241:PHE:CB[2_858]	1.88	0.32
1:B:329:THR:OG1	1:C:195:ALA:O[2_858]	1.88	0.32
1:B:331:SER:CB	1:C:192:GLU:CB[2_858]	1.88	0.32
1:B:351:THR:O	1:C:161:ASP:OD2[2_858]	1.88	0.32
1:B:354:LEU:CB	1:C:164:THR:CB[2_858]	1.88	0.32
1:B:359:ASN:C	1:D:149:GLY:O[2_858]	1.88	0.32
1:B:361:LEU:CD2	1:D:179:GLY:N[2_858]	1.88	0.32
1:B:362:GLU:N	1:D:177:GLY:C[2_858]	1.88	0.32
1:B:367:ASN:O	1:C:185:TYR:N[2_858]	1.88	0.32
1:B:377:LYS:CD	1:C:109:PHE:CE1[2_858]	1.88	0.32
1:B:377:LYS:O	1:C:107:THR:CA[2_858]	1.88	0.32
1:B:378:ASP:OD2	1:C:106:GLY:N[2_858]	1.88	0.32
1:B:378:ASP:CB	1:C:106:GLY:C[2_858]	1.88	0.32
1:B:382:ALA:O	1:C:306:GLU:OE1[2_858]	1.88	0.32
1:B:391:TYR:CE2	1:C:131:ILE:O[2_858]	1.88	0.32

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:397:PHE:C	1:C:225:PHE:CG[2_858]	1.88	0.32
1:B:397:PHE:CZ	1:C:186:ASN:OD1[2_858]	1.88	0.32
1:B:400:ALA:CA	1:C:221:TYR:O[2_858]	1.88	0.32
1:B:404:ARG:CB	1:D:180:VAL:C[2_858]	1.88	0.32
1:E:409:ILE:CG2	4:B:1202:AKG:C1[2_757]	1.88	0.32
1:D:2:PHE:CA	1:E:306:GLU:OE1[2_757]	1.88	0.32
1:D:4:LYS:CG	1:E:308:GLU:CD[2_757]	1.88	0.32
1:D:10:PRO:N	1:E:284:ALA:O[2_757]	1.88	0.32
1:D:26:LYS:CD	1:E:204:ASP:CA[2_757]	1.88	0.32
1:D:26:LYS:CG	1:E:204:ASP:CB[2_757]	1.88	0.32
1:D:33:LEU:O	1:E:295:SER:CA[2_757]	1.88	0.32
1:D:35:TYR:CE2	1:E:108:VAL:N[2_757]	1.88	0.32
1:D:36:LEU:CA	1:E:110:ARG:NE[2_757]	1.88	0.32
1:D:37:ASP:O	5:E:1510:HOH:O[2_757]	1.88	0.32
1:D:61:ALA:CB	1:E:126:GLU:CB[2_757]	1.88	0.32
1:D:63:GLU:C	1:E:123:PRO:CA[2_757]	1.88	0.32
1:D:65:ILE:N	1:E:123:PRO:CA[2_757]	1.88	0.32
1:D:68:TYR:OH	1:E:119:PRO:O[2_757]	1.88	0.32
1:D:106:GLY:N	1:F:381:LEU:CB[2_757]	1.88	0.32
1:D:113:ILE:CG1	1:E:249:GLU:CG[2_757]	1.88	0.32
1:D:132:GLY:CA	1:F:317:HIS:NE2[2_757]	1.88	0.32
1:D:136:HIS:C	1:F:386:ASN:N[2_757]	1.88	0.32
1:D:136:HIS:C	1:F:385:ASN:C[2_757]	1.88	0.32
1:D:136:HIS:C	1:F:386:ASN:C[2_757]	1.88	0.32
1:D:137:GLY:C	1:F:386:ASN:C[2_757]	1.88	0.32
1:D:195:ALA:O	1:F:330:ASN:C[2_757]	1.88	0.32
1:D:196:HIS:ND1	1:F:332:ILE:CA[2_757]	1.88	0.32
1:D:198:SER:CB	1:F:329:THR:CB[2_757]	1.88	0.32
1:D:201:LEU:CD2	3:F:1601:NDP:PA[2_757]	1.88	0.32
1:D:225:PHE:O	1:F:393:THR:CB[2_757]	1.88	0.32
1:D:229:PHE:N	1:F:394:THR:O[2_757]	1.88	0.32
1:D:233:TYR:CZ	1:F:23:ILE:N[2_757]	1.88	0.32
1:D:241:PHE:CB	1:F:21:ARG:CA[2_757]	1.88	0.32
1:D:243:GLN:N	1:F:15:ASP:N[2_757]	1.88	0.32
1:D:267:PHE:CG	1:F:319:ARG:CD[2_757]	1.88	0.32
1:D:301:ASP:OD2	1:F:287:PHE:C[2_757]	1.88	0.32
1:D:340:ARG:C	1:E:269:MET:SD[2_757]	1.88	0.32
1:D:345:ARG:O	1:E:282:ILE:CB[2_757]	1.88	0.32
1:D:345:ARG:NE	1:E:282:ILE:C[2_757]	1.88	0.32
1:D:356:LYS:CG	1:E:274:TYR:N[2_757]	1.88	0.32
1:D:357:PHE:CE2	1:E:132:GLY:C[2_757]	1.88	0.32

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:358:ALA:C	1:E:271:LEU:CB[2_757]	1.88	0.32
1:D:365:THR:CG2	1:E:209:LEU:CD1[2_757]	1.88	0.32
1:D:379:LEU:CD2	1:E:238:LYS:CE[2_757]	1.88	0.32
1:D:411:SER:O	1:E:137:GLY:N[2_757]	1.88	0.32
1:E:55:ASP:CA	1:F:157:TYR:OH[2_657]	1.88	0.32
1:E:55:ASP:CG	1:E:148:PRO:CD[2_657]	1.88	0.32
1:E:60:ASP:C	1:F:161:ASP:C[2_657]	1.88	0.32
1:E:88:ASN:CG	1:F:191:ILE:CG1[2_657]	1.88	0.32
1:A:2:PHE:CA	1:E:155:LEU:N[2_657]	1.89	0.31
1:A:16:GLY:N	1:A:154:GLU:CD[2_757]	1.89	0.31
1:A:34:PRO:CA	1:E:173:TYR:O[2_657]	1.89	0.31
1:A:54:SER:CB	1:B:184:MET:CE[2_757]	1.89	0.31
1:A:59:GLN:CB	1:B:181:ALA:CA[2_757]	1.89	0.31
1:A:59:GLN:O	1:B:181:ALA:CA[2_757]	1.89	0.31
1:A:75:ALA:C	1:B:156:VAL:C[2_757]	1.89	0.31
1:A:75:ALA:O	1:B:156:VAL:CG1[2_757]	1.89	0.31
1:A:79:PRO:N	1:A:145:THR:CG2[2_757]	1.89	0.31
1:A:83:ARG:NE	1:A:147:ILE:CA[2_757]	1.89	0.31
1:A:85:LYS:CB	1:B:224:ARG:NH2[2_757]	1.89	0.31
1:A:89:LEU:CG	1:B:186:ASN:O[2_757]	1.89	0.31
1:A:99:THR:C	1:B:172:VAL:C[2_757]	1.89	0.31
1:A:100:ILE:CB	1:B:153:LEU:CA[2_757]	1.89	0.31
1:A:103:ILE:CA	1:B:173:TYR:CD1[2_757]	1.89	0.31
1:A:111:GLU:CB	1:C:6:LYS:CB[2_858]	1.89	0.31
1:A:120:ARG:CA	1:C:41:LYS:CB[2_858]	1.89	0.31
1:A:127:LYS:NZ	1:C:354:LEU:O[2_858]	1.89	0.31
1:A:129:ILE:CD1	1:C:349:ASP:OD2[2_858]	1.89	0.31
1:A:129:ILE:N	1:C:7:VAL:CG1[2_858]	1.89	0.31
1:A:158:LYS:O	1:A:305:PHE:C[2_757]	1.89	0.31
1:A:207:LEU:CG	1:C:353:ALA:N[2_858]	1.89	0.31
1:A:261:ILE:N	1:C:348:LEU:CD1[2_858]	1.89	0.31
1:A:264:LYS:CG	1:C:341:GLY:C[2_858]	1.89	0.31
1:A:268:ILE:C	1:C:350:ASN:CA[2_858]	1.89	0.31
1:A:314:VAL:C	1:B:166:GLN:CA[2_757]	1.89	0.31
1:A:315:THR:N	1:B:166:GLN:C[2_757]	1.89	0.31
1:A:319:ARG:CB	1:B:164:THR:OG1[2_757]	1.89	0.31
1:A:367:ASN:C	1:F:58:THR:CG2[2_657]	1.89	0.31
1:A:391:TYR:N	1:F:72:ILE:N[2_657]	1.89	0.31
1:A:399:ASP:CA	1:F:101:ARG:O[2_657]	1.89	0.31
1:A:410:LYS:CD	1:F:144:ASP:CG[2_657]	1.89	0.31
1:B:169:THR:O	3:A:1101:NDP:C7N[2_757]	1.89	0.31

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:11:VAL:C	1:E:370:GLN:O[2_757]	1.89	0.31
1:B:12:VAL:O	1:E:367:ASN:CG[2_757]	1.89	0.31
1:B:45:LEU:C	1:E:359:ASN:CA[2_757]	1.89	0.31
1:B:46:SER:CB	1:E:359:ASN:OD1[2_757]	1.89	0.31
1:B:50:ARG:NE	1:E:359:ASN:N[2_757]	1.89	0.31
1:B:55:ASP:C	1:E:336:PHE:O[2_757]	1.89	0.31
1:B:57:ILE:C	1:E:336:PHE:CG[2_757]	1.89	0.31
1:B:60:ASP:CA	1:E:332:ILE:CG2[2_757]	1.89	0.31
1:B:65:ILE:CG1	1:E:368:THR:CA[2_757]	1.89	0.31
1:B:68:TYR:CG	1:E:375:MET:CE[2_757]	1.89	0.31
1:B:68:TYR:C	1:E:373:GLY:O[2_757]	1.89	0.31
1:B:78:THR:CG2	1:E:36:LEU:CD2[2_757]	1.89	0.31
1:B:83:ARG:NE	1:E:352:PRO:CB[2_757]	1.89	0.31
1:B:91:LYS:O	1:E:345:ARG:CA[2_757]	1.89	0.31
1:B:92:MET:N	1:E:345:ARG:CG[2_757]	1.89	0.31
1:B:99:THR:CA	1:E:31:LEU:C[2_757]	1.89	0.31
1:B:117:ARG:NH1	1:C:141:LYS:N[2_858]	1.89	0.31
1:B:125:TRP:C	1:C:63:GLU:CB[2_858]	1.89	0.31
1:B:260:MET:C	1:C:67:LYS:CE[2_858]	1.89	0.31
1:B:286:GLY:C	1:C:66:LYS:CB[2_858]	1.89	0.31
1:B:296:ILE:O	1:E:407:LYS:CD[2_757]	1.89	0.31
1:B:298:VAL:C	1:E:403:LYS:NZ[2_757]	1.89	0.31
1:B:306:GLU:OE2	1:E:404:ARG:C[2_757]	1.89	0.31
1:B:309:ALA:O	1:E:411:SER:N[2_757]	1.89	0.31
1:B:321:TYR:OH	1:C:233:TYR:CG[2_858]	1.89	0.31
1:B:321:TYR:CE2	1:C:233:TYR:CE1[2_858]	1.89	0.31
1:B:329:THR:OG1	1:C:196:HIS:N[2_858]	1.89	0.31
1:B:332:ILE:C	1:C:189:GLU:C[2_858]	1.89	0.31
1:B:363:SER:CB	1:D:175:TYR:CG[2_858]	1.89	0.31
1:B:367:ASN:OD1	1:C:185:TYR:CE2[2_858]	1.89	0.31
1:B:391:TYR:O	1:C:271:LEU:CA[2_858]	1.89	0.31
1:B:395:GLU:CA	1:C:229:PHE:CB[2_858]	1.89	0.31
1:B:408:GLU:O	1:C:157:TYR:CB[2_858]	1.89	0.31
1:E:342:LEU:CD1	5:B:1220:HOH:O[2_757]	1.89	0.31
1:D:6:LYS:CG	1:E:311:HIS:CA[2_757]	1.89	0.31
1:D:12:VAL:CB	1:E:125:TRP:CB[2_757]	1.89	0.31
1:D:14:LEU:N	1:E:127:LYS:CB[2_757]	1.89	0.31
1:D:31:LEU:O	1:E:109:PHE:CE1[2_757]	1.89	0.31
1:D:126:GLU:OE2	1:F:85:LYS:CE[2_757]	1.89	0.31
1:D:134:HIS:C	1:F:377:LYS:CD[2_757]	1.89	0.31
1:D:134:HIS:N	1:F:377:LYS:CD[2_757]	1.89	0.31

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:134:HIS:CA	1:F:377:LYS:CG[2_757]	1.89	0.31
1:D:136:HIS:CE1	1:F:385:ASN:CG[2_757]	1.89	0.31
1:D:193:GLY:CA	1:F:379:LEU:CG[2_757]	1.89	0.31
1:D:197:SER:C	3:F:1601:NDP:N3A[2_757]	1.89	0.31
1:D:200:LYS:NZ	1:F:291:GLY:C[2_757]	1.89	0.31
1:D:207:LEU:CD2	1:F:83:ARG:NH1[2_757]	1.89	0.31
1:D:226:LYS:N	1:F:393:THR:CB[2_757]	1.89	0.31
1:D:229:PHE:CD1	1:F:393:THR:C[2_757]	1.89	0.31
1:D:229:PHE:CZ	1:F:328:SER:N[2_757]	1.89	0.31
1:D:235:ALA:CB	1:F:335:ILE:CD1[2_757]	1.89	0.31
1:D:238:LYS:CA	1:F:24:TRP:N[2_757]	1.89	0.31
1:D:243:GLN:N	1:F:15:ASP:C[2_757]	1.89	0.31
1:D:243:GLN:CG	1:F:14:LEU:N[2_757]	1.89	0.31
1:D:301:ASP:CB	1:F:287:PHE:O[2_757]	1.89	0.31
1:D:303:LYS:N	1:F:285:GLN:O[2_757]	1.89	0.31
1:D:305:PHE:C	1:E:263:SER:N[2_757]	1.89	0.31
1:D:306:GLU:CG	1:E:263:SER:CA[2_757]	1.89	0.31
1:D:306:GLU:OE2	1:E:264:LYS:CB[2_757]	1.89	0.31
1:D:311:HIS:CE1	1:E:245:GLY:O[2_757]	1.89	0.31
1:D:331:SER:OG	1:E:203:ILE:CA[2_757]	1.89	0.31
1:D:333:ALA:CB	1:E:247:HIS:N[2_757]	1.89	0.31
1:D:336:PHE:CG	1:E:210:PHE:N[2_757]	1.89	0.31
1:D:345:ARG:NE	1:E:282:ILE:O[2_757]	1.89	0.31
1:D:347:GLU:N	1:E:279:GLN:NE2[2_757]	1.89	0.31
1:D:352:PRO:CA	1:E:274:TYR:CE2[2_757]	1.89	0.31
1:D:360:ILE:CD1	1:E:134:HIS:CB[2_757]	1.89	0.31
1:D:361:LEU:N	1:E:194:PHE:CE1[2_757]	1.89	0.31
1:D:362:GLU:CA	1:E:211:LEU:CG[2_757]	1.89	0.31
1:D:363:SER:O	1:E:229:PHE:CE1[2_757]	1.89	0.31
1:D:369:VAL:O	1:E:231:GLU:C[2_757]	1.89	0.31
1:E:56:LYS:CG	1:F:157:TYR:C[2_657]	1.89	0.31
1:E:81:GLU:O	1:F:227:ASP:CB[2_657]	1.89	0.31
1:E:90:HIS:CG	1:E:181:ALA:CB[2_657]	1.89	0.31
1:E:90:HIS:CB	1:E:180:VAL:CA[2_657]	1.89	0.31
1:E:91:LYS:CE	1:E:145:THR:CB[2_657]	1.89	0.31
1:E:93:TRP:CZ2	1:E:147:ILE:CB[2_657]	1.89	0.31
1:A:11:VAL:CB	1:A:167:PRO:CD[2_757]	1.90	0.30
1:A:14:LEU:N	1:A:169:THR:OG1[2_757]	1.90	0.30
1:A:15:ASP:CB	1:A:154:GLU:CG[2_757]	1.90	0.30
1:A:21:ARG:N	1:B:158:LYS:CD[2_757]	1.90	0.30
1:A:52:ALA:CB	1:B:141:LYS:CA[2_757]	1.90	0.30

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:55:ASP:OD1	1:A:182:MET:C[2_757]	1.90	0.30
1:A:88:ASN:CB	1:B:187:THR:C[2_757]	1.90	0.30
1:A:91:LYS:O	1:B:221:TYR:CE2[2_757]	1.90	0.30
1:A:120:ARG:N	1:C:40:LEU:O[2_858]	1.90	0.30
1:A:128:PRO:C	1:C:7:VAL:CB[2_858]	1.90	0.30
1:A:129:ILE:CD1	1:C:345:ARG:CD[2_858]	1.90	0.30
1:A:150:PRO:O	1:A:318:TYR:CZ[2_757]	1.90	0.30
1:A:160:SER:CA	1:A:304:THR:C[2_757]	1.90	0.30
1:A:160:SER:CB	1:A:305:PHE:N[2_757]	1.90	0.30
1:A:163:THR:CB	1:A:349:ASP:OD1[2_757]	1.90	0.30
1:A:214:LYS:C	1:E:4:LYS:O[2_757]	1.90	0.30
1:A:216:THR:CB	1:E:5:ILE:CG1[2_757]	1.90	0.30
1:A:254:ASP:OD2	1:E:2:PHE:CE2[2_757]	1.90	0.30
1:A:264:LYS:C	1:C:341:GLY:O[2_858]	1.90	0.30
1:A:269:MET:CA	1:C:350:ASN:CA[2_858]	1.90	0.30
1:A:282:ILE:C	1:C:9:GLN:NE2[2_858]	1.90	0.30
1:A:287:PHE:CD1	1:C:10:PRO:CA[2_858]	1.90	0.30
1:A:316:ARG:N	1:B:165:ALA:CA[2_757]	1.90	0.30
1:A:374:ILE:N	1:F:100:ILE:CD1[2_657]	1.90	0.30
1:A:377:LYS:C	1:F:12:VAL:CG2[2_657]	1.90	0.30
1:A:381:LEU:CG	1:F:10:PRO:C[2_657]	1.90	0.30
1:A:389:SER:C	1:F:72:ILE:CB[2_657]	1.90	0.30
1:A:391:TYR:CG	1:F:71:GLY:N[2_657]	1.90	0.30
1:A:400:ALA:CA	1:F:98:GLY:O[2_657]	1.90	0.30
1:A:402:GLU:O	1:F:141:LYS:CG[2_657]	1.90	0.30
1:B:21:ARG:CD	1:C:235:ALA:O[2_858]	1.90	0.30
1:B:22:ILE:CA	1:C:231:GLU:O[2_858]	1.90	0.30
1:B:40:LEU:O	1:E:370:GLN:NE2[2_757]	1.90	0.30
1:B:41:LYS:CE	1:E:117:ARG:C[2_757]	1.90	0.30
1:B:43:TYR:CE1	1:E:366:LEU:CD2[2_757]	1.90	0.30
1:B:45:LEU:CB	1:E:359:ASN:O[2_757]	1.90	0.30
1:B:51:ASP:CG	1:E:344:LYS:N[2_757]	1.90	0.30
1:B:56:LYS:CE	1:E:308:GLU:O[2_757]	1.90	0.30
1:B:83:ARG:CD	1:E:351:THR:O[2_757]	1.90	0.30
1:B:83:ARG:NH1	1:E:352:PRO:CG[2_757]	1.90	0.30
1:B:94:LYS:C	1:E:357:PHE:CE2[2_757]	1.90	0.30
1:B:97:ASN:C	1:E:405:LEU:CD1[2_757]	1.90	0.30
1:B:124:ARG:CZ	1:F:39:ASP:OD2[2_657]	1.90	0.30
1:B:311:HIS:N	1:E:410:LYS:O[2_757]	1.90	0.30
1:B:317:HIS:NE2	1:C:197:SER:O[2_858]	1.90	0.30
1:B:319:ARG:NH1	1:C:240:LYS:CG[2_858]	1.90	0.30

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:322:GLN:CB	1:C:240:LYS:O[2_858]	1.90	0.30
1:B:327:THR:CG2	1:C:198:SER:C[2_858]	1.90	0.30
1:B:331:SER:CA	1:C:192:GLU:C[2_858]	1.90	0.30
1:B:332:ILE:N	1:C:190:SER:N[2_858]	1.90	0.30
1:B:357:PHE:CE2	1:D:148:PRO:O[2_858]	1.90	0.30
1:B:359:ASN:CA	1:D:150:PRO:N[2_858]	1.90	0.30
1:B:363:SER:N	1:D:175:TYR:CD2[2_858]	1.90	0.30
1:B:368:THR:O	1:C:138:ASP:CA[2_858]	1.90	0.30
1:B:369:VAL:CA	1:C:137:GLY:N[2_858]	1.90	0.30
1:B:372:ASP:N	1:C:184:MET:CB[2_858]	1.90	0.30
1:B:372:ASP:CG	1:C:184:MET:CB[2_858]	1.90	0.30
1:B:375:MET:CB	1:C:136:HIS:N[2_858]	1.90	0.30
1:B:376:THR:CB	1:C:194:PHE:CB[2_858]	1.90	0.30
1:B:376:THR:O	1:C:135:ALA:N[2_858]	1.90	0.30
1:B:389:SER:OG	1:C:280:SER:N[2_858]	1.90	0.30
1:B:391:TYR:OH	1:C:132:GLY:CA[2_858]	1.90	0.30
1:B:395:GLU:CD	1:C:229:PHE:CD2[2_858]	1.90	0.30
1:B:399:ASP:CA	1:C:224:ARG:C[2_858]	1.90	0.30
1:B:401:VAL:CA	1:D:180:VAL:CG2[2_858]	1.90	0.30
1:B:404:ARG:NH2	1:C:184:MET:CA[2_858]	1.90	0.30
1:B:406:GLN:CA	1:D:145:THR:C[2_858]	1.90	0.30
1:B:411:SER:OG	1:C:156:VAL:C[2_858]	1.90	0.30
1:D:5:ILE:C	1:E:110:ARG:CZ[2_757]	1.90	0.30
1:D:7:VAL:CG2	1:E:280:SER:CB[2_757]	1.90	0.30
1:D:9:GLN:N	1:E:285:GLN:CB[2_757]	1.90	0.30
1:D:10:PRO:O	1:E:286:GLY:C[2_757]	1.90	0.30
1:D:35:TYR:CE1	1:E:107:THR:C[2_757]	1.90	0.30
1:D:35:TYR:O	1:E:108:VAL:CG1[2_757]	1.90	0.30
1:D:64:ALA:C	1:E:123:PRO:N[2_757]	1.90	0.30
1:D:67:LYS:N	1:E:123:PRO:N[2_757]	1.90	0.30
1:D:81:GLU:C	1:D:88:ASN:CB[2_858]	1.90	0.30
1:D:109:PHE:CB	3:F:1601:NDP:O3X[2_757]	1.90	0.30
1:D:127:LYS:CE	1:F:83:ARG:NH1[2_757]	1.90	0.30
1:D:134:HIS:CB	1:F:377:LYS:CE[2_757]	1.90	0.30
1:D:189:GLU:CA	1:F:375:MET:CG[2_757]	1.90	0.30
1:D:198:SER:C	1:F:329:THR:CG2[2_757]	1.90	0.30
1:D:212:SER:C	1:F:325:GLU:C[2_757]	1.90	0.30
1:D:234:GLU:O	1:F:27:ILE:C[2_757]	1.90	0.30
1:D:238:LYS:NZ	1:F:25:ASP:O[2_757]	1.90	0.30
1:D:239:SER:C	1:F:24:TRP:CE3[2_757]	1.90	0.30
1:D:239:SER:OG	1:F:338:TRP:CZ2[2_757]	1.90	0.30

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:240:LYS:CA	1:F:24:TRP:CE3[2_757]	1.90	0.30
1:D:267:PHE:CD1	1:F:319:ARG:CD[2_757]	1.90	0.30
1:D:305:PHE:CA	1:E:261:ILE:O[2_757]	1.90	0.30
1:D:309:ALA:N	1:E:208:ASN:ND2[2_757]	1.90	0.30
1:D:333:ALA:O	1:E:209:LEU:N[2_757]	1.90	0.30
1:D:336:PHE:CB	1:E:209:LEU:O[2_757]	1.90	0.30
1:D:349:ASP:CB	1:F:257:VAL:CG2[2_757]	1.90	0.30
1:D:358:ALA:CA	1:E:271:LEU:N[2_757]	1.90	0.30
1:D:369:VAL:C	1:E:232:VAL:CA[2_757]	1.90	0.30
1:D:370:GLN:CA	1:E:231:GLU:N[2_757]	1.90	0.30
1:D:377:LYS:CA	1:E:239:SER:CB[2_757]	1.90	0.30
1:D:379:LEU:CG	1:E:238:LYS:CD[2_757]	1.90	0.30
1:D:405:LEU:CD1	1:E:107:THR:OG1[2_757]	1.90	0.30
1:D:406:GLN:C	1:E:106:GLY:CA[2_757]	1.90	0.30
1:E:242:GLU:C	3:D:1401:NDP:N3A[2_757]	1.90	0.30
1:F:18:GLU:OE2	5:D:1430:HOH:O[2_757]	1.90	0.30
1:E:58:THR:CB	1:F:165:ALA:C[2_657]	1.90	0.30
1:E:85:LYS:CA	1:F:225:PHE:N[2_657]	1.90	0.30
1:E:92:MET:C	1:E:146:LEU:CB[2_657]	1.90	0.30
1:A:2:PHE:CD1	1:E:155:LEU:CD1[2_657]	1.91	0.29
1:A:10:PRO:CG	1:A:166:GLN:CG[2_757]	1.91	0.29
1:A:10:PRO:CA	1:A:166:GLN:CB[2_757]	1.91	0.29
1:A:13:GLU:C	1:A:169:THR:OG1[2_757]	1.91	0.29
1:A:19:MET:CA	1:B:159:PRO:O[2_757]	1.91	0.29
1:A:49:SER:O	5:B:1218:HOH:O[2_757]	1.91	0.29
1:A:54:SER:OG	1:B:139:GLN:CG[2_757]	1.91	0.29
1:A:65:ILE:CG1	1:A:157:TYR:CD2[2_757]	1.91	0.29
1:A:87:PHE:CZ	1:A:147:ILE:CG2[2_757]	1.91	0.29
1:A:89:LEU:CG	1:A:180:VAL:N[2_757]	1.91	0.29
1:A:94:LYS:CB	1:A:143:THR:CA[2_757]	1.91	0.29
1:A:111:GLU:OE1	1:C:6:LYS:CG[2_858]	1.91	0.29
1:A:117:ARG:CD	1:F:44:ASP:CB[2_657]	1.91	0.29
1:A:127:LYS:CG	1:C:354:LEU:CD2[2_858]	1.91	0.29
1:A:128:PRO:C	1:C:7:VAL:CA[2_858]	1.91	0.29
1:A:185:TYR:CG	5:A:1111:HOH:O[2_757]	1.91	0.29
1:A:207:LEU:O	1:C:352:PRO:CB[2_858]	1.91	0.29
1:A:208:ASN:ND2	1:C:355:CYS:CB[2_858]	1.91	0.29
1:A:260:MET:SD	1:C:349:ASP:OD1[2_858]	1.91	0.29
1:A:261:ILE:CA	1:C:69:GLY:CA[2_858]	1.91	0.29
1:A:266:GLY:CA	1:C:354:LEU:CD1[2_858]	1.91	0.29
1:A:287:PHE:CD1	1:C:9:GLN:C[2_858]	1.91	0.29

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:313:THR:N	1:B:167:PRO:CB[2_757]	1.91	0.29
1:A:315:THR:C	1:B:165:ALA:N[2_757]	1.91	0.29
1:A:326:GLU:CD	1:F:305:PHE:CZ[2_657]	1.91	0.29
1:A:371:GLN:C	1:F:50:ARG:NE[2_657]	1.91	0.29
1:A:381:LEU:CD2	1:F:39:ASP:O[2_657]	1.91	0.29
1:A:385:ASN:CB	1:F:40:LEU:CD2[2_657]	1.91	0.29
1:A:387:GLU:CD	1:F:338:TRP:CD2[2_657]	1.91	0.29
1:A:395:GLU:O	1:F:104:LEU:O[2_657]	1.91	0.29
1:A:398:LEU:O	1:F:103:ILE:CA[2_657]	1.91	0.29
1:A:401:VAL:N	1:F:99:THR:C[2_657]	1.91	0.29
1:A:406:GLN:CG	1:F:141:LYS:O[2_657]	1.91	0.29
1:A:406:GLN:NE2	1:F:141:LYS:C[2_657]	1.91	0.29
1:B:168:GLN:CA	3:A:1101:NDP:N1N[2_757]	1.91	0.29
1:B:5:ILE:CD1	1:C:164:THR:O[2_858]	1.91	0.29
1:B:11:VAL:CG1	1:E:371:GLN:CG[2_757]	1.91	0.29
1:B:22:ILE:CA	1:C:232:VAL:O[2_858]	1.91	0.29
1:B:50:ARG:CZ	1:E:358:ALA:N[2_757]	1.91	0.29
1:B:56:LYS:C	1:E:336:PHE:C[2_757]	1.91	0.29
1:B:56:LYS:O	1:E:332:ILE:O[2_757]	1.91	0.29
1:B:57:ILE:N	1:E:336:PHE:N[2_757]	1.91	0.29
1:B:58:THR:C	1:E:335:ILE:CB[2_757]	1.91	0.29
1:B:58:THR:O	1:E:365:THR:OG1[2_757]	1.91	0.29
1:B:60:ASP:OD1	1:E:333:ALA:CA[2_757]	1.91	0.29
1:B:60:ASP:C	1:E:332:ILE:CG1[2_757]	1.91	0.29
1:B:66:LYS:N	1:E:368:THR:CG2[2_757]	1.91	0.29
1:B:68:TYR:O	1:E:372:ASP:O[2_757]	1.91	0.29
1:B:69:GLY:N	1:E:374:ILE:CA[2_757]	1.91	0.29
1:B:77:ILE:CG1	1:E:352:PRO:O[2_757]	1.91	0.29
1:B:84:VAL:C	1:E:349:ASP:CA[2_757]	1.91	0.29
1:B:94:LYS:CD	1:E:32:ILE:CB[2_757]	1.91	0.29
1:B:98:GLY:C	1:E:31:LEU:CA[2_757]	1.91	0.29
1:B:121:LEU:O	1:C:65:ILE:N[2_858]	1.91	0.29
1:B:122:VAL:O	1:C:63:GLU:N[2_858]	1.91	0.29
1:B:286:GLY:O	1:C:66:LYS:N[2_858]	1.91	0.29
1:B:290:LEU:CD2	1:C:301:ASP:OD2[2_858]	1.91	0.29
1:B:318:TYR:CD1	1:C:237:TYR:CB[2_858]	1.91	0.29
1:B:318:TYR:CD1	1:C:237:TYR:CG[2_858]	1.91	0.29
1:B:321:TYR:CE2	1:C:238:LYS:N[2_858]	1.91	0.29
1:B:331:SER:C	1:C:189:GLU:C[2_858]	1.91	0.29
1:B:352:PRO:C	1:C:161:ASP:O[2_858]	1.91	0.29
1:B:357:PHE:CG	1:D:148:PRO:CB[2_858]	1.91	0.29

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:359:ASN:N	1:D:150:PRO:O[2_858]	1.91	0.29
1:B:372:ASP:N	1:C:138:ASP:C[2_858]	1.91	0.29
1:B:391:TYR:O	1:C:271:LEU:C[2_858]	1.91	0.29
1:B:393:THR:CG2	1:C:211:LEU:CA[2_858]	1.91	0.29
1:B:396:GLU:OE2	1:C:212:SER:O[2_858]	1.91	0.29
1:B:398:LEU:CG	1:C:228:ILE:CG2[2_858]	1.91	0.29
1:B:402:GLU:N	1:C:224:ARG:CB[2_858]	1.91	0.29
1:B:405:LEU:CG	1:D:147:ILE:CA[2_858]	1.91	0.29
1:B:406:GLN:N	1:D:145:THR:CA[2_858]	1.91	0.29
1:B:409:ILE:O	1:C:168:GLN:CB[2_858]	1.91	0.29
1:C:19:MET:CA	1:C:323:LYS:NZ[2_958]	1.91	0.29
1:C:178:SER:O	1:F:373:GLY:O[2_757]	1.91	0.29
1:C:316:ARG:CD	1:C:322:GLN:O[2_958]	1.91	0.29
1:C:326:GLU:CD	1:C:328:SER:CB[2_958]	1.91	0.29
1:C:388:ARG:CB	1:C:392:VAL:CG1[2_958]	1.91	0.29
1:D:2:PHE:CE2	1:E:100:ILE:C[2_757]	1.91	0.29
1:D:2:PHE:CD2	1:E:100:ILE:C[2_757]	1.91	0.29
1:D:6:LYS:CG	1:E:311:HIS:N[2_757]	1.91	0.29
1:D:7:VAL:CA	1:E:281:ASP:OD2[2_757]	1.91	0.29
1:D:7:VAL:O	1:E:290:LEU:CD2[2_757]	1.91	0.29
1:D:8:LYS:C	1:E:281:ASP:O[2_757]	1.91	0.29
1:D:26:LYS:NZ	1:E:204:ASP:OD1[2_757]	1.91	0.29
1:D:31:LEU:CD1	1:E:201:LEU:CB[2_757]	1.91	0.29
1:D:34:PRO:CB	1:E:296:ILE:C[2_757]	1.91	0.29
1:D:36:LEU:O	1:E:294:THR:O[2_757]	1.91	0.29
1:D:38:VAL:CB	1:E:293:MET:CG[2_757]	1.91	0.29
1:D:43:TYR:CE1	1:E:120:ARG:CZ[2_757]	1.91	0.29
1:D:70:VAL:C	1:E:125:TRP:CG[2_757]	1.91	0.29
1:D:109:PHE:CD2	3:F:1601:NDP:C3B[2_757]	1.91	0.29
1:D:109:PHE:CD2	3:F:1601:NDP:O2B[2_757]	1.91	0.29
1:D:127:LYS:CG	1:F:86:GLU:OE1[2_757]	1.91	0.29
1:D:134:HIS:CG	1:F:377:LYS:CD[2_757]	1.91	0.29
1:D:136:HIS:CA	1:F:381:LEU:CD2[2_757]	1.91	0.29
1:D:189:GLU:CA	1:F:375:MET:CB[2_757]	1.91	0.29
1:D:195:ALA:C	1:F:329:THR:O[2_757]	1.91	0.29
1:D:196:HIS:CD2	1:F:332:ILE:CD1[2_757]	1.91	0.29
1:D:201:LEU:CG	3:F:1601:NDP:PA[2_757]	1.91	0.29
1:D:201:LEU:O	1:F:312:GLY:C[2_757]	1.91	0.29
1:D:202:ALA:CB	1:F:313:THR:C[2_757]	1.91	0.29
1:D:211:LEU:CG	1:F:327:THR:C[2_757]	1.91	0.29
1:D:212:SER:C	1:F:326:GLU:CB[2_757]	1.91	0.29

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:231:GLU:OE2	1:F:399:ASP:C[2_757]	1.91	0.29
1:D:236:GLN:OE1	1:F:335:ILE:CG1[2_757]	1.91	0.29
1:D:237:TYR:CD1	1:F:331:SER:O[2_757]	1.91	0.29
1:D:241:PHE:N	1:F:74:CYS:CB[2_757]	1.91	0.29
1:D:242:GLU:OE2	1:F:25:ASP:OD2[2_757]	1.91	0.29
1:D:244:LEU:CG	1:F:74:CYS:O[2_757]	1.91	0.29
1:D:248:TYR:C	1:F:22:ILE:CB[2_757]	1.91	0.29
1:D:248:TYR:O	1:F:22:ILE:CG1[2_757]	1.91	0.29
1:D:268:ILE:O	1:F:319:ARG:N[2_757]	1.91	0.29
1:D:302:GLY:O	1:F:284:ALA:C[2_757]	1.91	0.29
1:D:305:PHE:CG	1:E:261:ILE:CB[2_757]	1.91	0.29
1:D:330:ASN:C	1:E:241:PHE:CG[2_757]	1.91	0.29
1:D:334:SER:O	1:E:268:ILE:N[2_757]	1.91	0.29
1:D:339:SER:CB	1:E:269:MET:CA[2_757]	1.91	0.29
1:D:362:GLU:OE2	1:E:211:LEU:C[2_757]	1.91	0.29
1:D:366:LEU:O	1:E:229:PHE:C[2_757]	1.91	0.29
1:D:366:LEU:CB	1:E:229:PHE:CA[2_757]	1.91	0.29
1:D:366:LEU:CD2	1:E:248:TYR:OH[2_757]	1.91	0.29
1:D:406:GLN:CB	1:E:300:PRO:N[2_757]	1.91	0.29
1:D:410:LYS:N	1:E:136:HIS:CB[2_757]	1.91	0.29
1:E:59:GLN:N	1:F:165:ALA:O[2_657]	1.91	0.29
1:E:85:LYS:CA	1:F:225:PHE:O[2_657]	1.91	0.29
1:E:87:PHE:CA	1:F:188:ASP:O[2_657]	1.91	0.29
1:E:91:LYS:C	1:E:146:LEU:CD1[2_657]	1.91	0.29
1:E:93:TRP:N	1:E:146:LEU:CG[2_657]	1.91	0.29
1:E:99:THR:C	1:F:166:GLN:NE2[2_657]	1.91	0.29
1:E:99:THR:CA	1:F:166:GLN:CD[2_657]	1.91	0.29
1:A:10:PRO:CD	1:A:166:GLN:CD[2_757]	1.92	0.28
1:A:14:LEU:CD1	1:A:157:TYR:N[2_757]	1.92	0.28
1:A:18:GLU:N	1:B:158:LYS:C[2_757]	1.92	0.28
1:A:29:LYS:C	1:E:173:TYR:OH[2_657]	1.92	0.28
1:A:34:PRO:CD	1:E:174:ASP:N[2_657]	1.92	0.28
1:A:46:SER:OG	1:A:172:VAL:C[2_757]	1.92	0.28
1:A:47:VAL:CG2	1:A:175:TYR:CZ[2_757]	1.92	0.28
1:A:51:ASP:CA	1:B:185:TYR:CA[2_757]	1.92	0.28
1:A:52:ALA:O	1:B:142:ALA:N[2_757]	1.92	0.28
1:A:53:THR:OG1	1:B:143:THR:N[2_757]	1.92	0.28
1:A:63:GLU:OE1	1:B:179:GLY:O[2_757]	1.92	0.28
1:A:68:TYR:O	1:A:165:ALA:CA[2_757]	1.92	0.28
1:A:71:GLY:O	1:A:158:LYS:CA[2_757]	1.92	0.28
1:A:80:ASP:CG	1:A:146:LEU:CD2[2_757]	1.92	0.28

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:88:ASN:OD1	1:B:190:SER:CB[2_757]	1.92	0.28
1:A:92:MET:N	1:B:221:TYR:CD2[2_757]	1.92	0.28
1:A:94:LYS:CD	1:A:142:ALA:CA[2_757]	1.92	0.28
1:A:95:SER:O	1:A:143:THR:CG2[2_757]	1.92	0.28
1:A:95:SER:CA	1:A:143:THR:CB[2_757]	1.92	0.28
1:A:97:ASN:N	1:B:170:LEU:O[2_757]	1.92	0.28
1:A:97:ASN:OD1	1:B:170:LEU:O[2_757]	1.92	0.28
1:A:98:GLY:N	1:B:171:LYS:C[2_757]	1.92	0.28
1:A:103:ILE:CG1	1:A:185:TYR:CD1[2_757]	1.92	0.28
1:A:103:ILE:N	1:B:173:TYR:CD2[2_757]	1.92	0.28
1:A:111:GLU:OE2	1:C:6:LYS:CB[2_858]	1.92	0.28
1:A:121:LEU:CD1	1:C:68:TYR:OH[2_858]	1.92	0.28
1:A:124:ARG:NH2	1:C:306:GLU:C[2_858]	1.92	0.28
1:A:208:ASN:O	1:C:352:PRO:CD[2_858]	1.92	0.28
1:A:216:THR:CA	1:E:6:LYS:N[2_757]	1.92	0.28
1:A:218:LEU:CA	1:E:37:ASP:OD1[2_757]	1.92	0.28
1:A:219:LYS:CE	1:E:7:VAL:CG2[2_757]	1.92	0.28
1:A:258:ALA:O	1:C:303:LYS:C[2_858]	1.92	0.28
1:A:262:LYS:CD	1:C:305:PHE:CD1[2_858]	1.92	0.28
1:A:263:SER:OG	1:C:344:LYS:O[2_858]	1.92	0.28
1:A:286:GLY:O	1:C:10:PRO:CB[2_858]	1.92	0.28
1:A:287:PHE:O	1:C:39:ASP:C[2_858]	1.92	0.28
1:A:308:GLU:OE1	1:B:154:GLU:OE2[2_757]	1.92	0.28
1:A:315:THR:O	1:B:165:ALA:N[2_757]	1.92	0.28
1:A:317:HIS:O	1:B:161:ASP:CA[2_757]	1.92	0.28
1:A:326:GLU:OE1	1:F:305:PHE:CZ[2_657]	1.92	0.28
1:A:377:LYS:CG	1:F:68:TYR:CB[2_657]	1.92	0.28
1:A:383:CYS:CB	1:F:42:TYR:CB[2_657]	1.92	0.28
1:A:387:GLU:CB	1:F:72:ILE:CD1[2_657]	1.92	0.28
1:A:390:ALA:CB	1:F:12:VAL:O[2_657]	1.92	0.28
1:A:396:GLU:OE1	1:F:298:VAL:N[2_657]	1.92	0.28
1:A:396:GLU:CG	1:F:297:LEU:CD2[2_657]	1.92	0.28
1:A:398:LEU:N	1:F:103:ILE:CB[2_657]	1.92	0.28
1:A:399:ASP:N	1:F:102:ASN:O[2_657]	1.92	0.28
1:B:168:GLN:CB	3:A:1101:NDP:N1N[2_757]	1.92	0.28
1:B:22:ILE:CG1	1:C:233:TYR:O[2_858]	1.92	0.28
1:B:50:ARG:NH2	1:E:359:ASN:N[2_757]	1.92	0.28
1:B:57:ILE:N	1:E:336:PHE:C[2_757]	1.92	0.28
1:B:57:ILE:N	1:E:336:PHE:CG[2_757]	1.92	0.28
1:B:58:THR:CG2	1:E:361:LEU:CD1[2_757]	1.92	0.28
1:B:59:GLN:CD	1:E:27:ILE:CG1[2_757]	1.92	0.28

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:60:ASP:CB	1:E:332:ILE:C[2_757]	1.92	0.28
1:B:63:GLU:OE1	1:E:331:SER:CA[2_757]	1.92	0.28
1:B:65:ILE:CG2	1:E:368:THR:OG1[2_757]	1.92	0.28
1:B:68:TYR:N	1:E:375:MET:N[2_757]	1.92	0.28
1:B:79:PRO:CG	1:E:354:LEU:CD1[2_757]	1.92	0.28
1:B:88:ASN:C	1:E:348:LEU:CG[2_757]	1.92	0.28
1:B:91:LYS:N	1:E:70:VAL:CG1[2_757]	1.92	0.28
1:B:92:MET:SD	1:E:7:VAL:CB[2_757]	1.92	0.28
1:B:99:THR:O	1:E:31:LEU:CD1[2_757]	1.92	0.28
1:B:110:ARG:CD	1:E:410:LYS:CE[2_757]	1.92	0.28
1:B:121:LEU:CD2	1:C:305:PHE:O[2_858]	1.92	0.28
1:B:123:PRO:CG	1:C:61:ALA:CA[2_858]	1.92	0.28
1:B:140:TYR:CD2	1:E:34:PRO:O[2_757]	1.92	0.28
1:B:141:LYS:CD	1:E:29:LYS:O[2_757]	1.92	0.28
1:B:277:ASP:OD1	1:E:2:PHE:CE2[2_757]	1.92	0.28
1:B:306:GLU:OE1	1:E:405:LEU:N[2_757]	1.92	0.28
1:B:321:TYR:OH	1:C:233:TYR:CE2[2_858]	1.92	0.28
1:B:352:PRO:O	1:C:161:ASP:CA[2_858]	1.92	0.28
1:B:353:ALA:CA	1:C:163:THR:CA[2_858]	1.92	0.28
1:B:354:LEU:CG	1:C:164:THR:OG1[2_858]	1.92	0.28
1:B:359:ASN:CB	1:D:150:PRO:CA[2_858]	1.92	0.28
1:B:367:ASN:ND2	1:D:173:TYR:CB[2_858]	1.92	0.28
1:B:370:GLN:O	1:C:142:ALA:N[2_858]	1.92	0.28
1:B:377:LYS:C	1:C:107:THR:CG2[2_858]	1.92	0.28
1:B:388:ARG:NH2	1:C:270:ALA:O[2_858]	1.92	0.28
1:B:399:ASP:OD2	1:C:226:LYS:CA[2_858]	1.92	0.28
1:B:404:ARG:O	1:D:145:THR:O[2_858]	1.92	0.28
1:C:19:MET:CG	1:C:325:GLU:OE2[2_958]	1.92	0.28
1:C:388:ARG:CA	1:C:396:GLU:OE2[2_958]	1.92	0.28
1:D:12:VAL:CA	1:E:287:PHE:CD2[2_757]	1.92	0.28
1:D:12:VAL:N	1:E:287:PHE:CG[2_757]	1.92	0.28
1:D:34:PRO:CA	1:E:296:ILE:CB[2_757]	1.92	0.28
1:D:38:VAL:C	1:E:293:MET:CA[2_757]	1.92	0.28
1:D:68:TYR:CD1	1:E:120:ARG:CB[2_757]	1.92	0.28
1:D:71:GLY:N	1:E:125:TRP:CG[2_757]	1.92	0.28
1:D:85:LYS:CD	1:D:87:PHE:CD1[2_858]	1.92	0.28
1:D:85:LYS:C	1:D:85:LYS:CB[2_858]	1.92	0.28
1:D:102:ASN:O	1:F:384:GLY:N[2_757]	1.92	0.28
1:D:113:ILE:CG1	1:E:249:GLU:N[2_757]	1.92	0.28
1:D:191:ILE:CD1	1:F:391:TYR:CA[2_757]	1.92	0.28
1:D:194:PHE:CA	1:F:378:ASP:OD1[2_757]	1.92	0.28

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:194:PHE:CB	1:F:377:LYS:CA[2_757]	1.92	0.28
1:D:203:ILE:N	1:F:312:GLY:C[2_757]	1.92	0.28
1:D:203:ILE:CG2	1:F:75:ALA:N[2_757]	1.92	0.28
1:D:204:ASP:O	3:F:1601:NDP:C1D[2_757]	1.92	0.28
1:D:224:ARG:N	1:F:396:GLU:OE1[2_757]	1.92	0.28
1:D:225:PHE:N	1:F:396:GLU:CD[2_757]	1.92	0.28
1:D:228:ILE:CG2	1:F:397:PHE:CG[2_757]	1.92	0.28
1:D:236:GLN:CG	1:F:335:ILE:CA[2_757]	1.92	0.28
1:D:240:LYS:C	1:F:74:CYS:SG[2_757]	1.92	0.28
1:D:240:LYS:N	1:F:24:TRP:CH2[2_757]	1.92	0.28
1:D:241:PHE:O	1:F:16:GLY:N[2_757]	1.92	0.28
1:D:253:ILE:CD1	1:F:325:GLU:CG[2_757]	1.92	0.28
1:D:303:LYS:NZ	1:F:287:PHE:CZ[2_757]	1.92	0.28
1:D:303:LYS:CE	1:F:287:PHE:CD1[2_757]	1.92	0.28
1:D:305:PHE:O	1:E:260:MET:O[2_757]	1.92	0.28
1:D:328:SER:C	1:E:243:GLN:CB[2_757]	1.92	0.28
1:D:335:ILE:CG1	1:E:202:ALA:CB[2_757]	1.92	0.28
1:D:353:ALA:CA	1:E:277:ASP:CB[2_757]	1.92	0.28
1:D:356:LYS:CG	5:E:1505:HOH:O[2_757]	1.92	0.28
1:D:364:ALA:O	1:E:195:ALA:C[2_757]	1.92	0.28
1:D:397:PHE:O	1:E:237:TYR:CE2[2_757]	1.92	0.28
1:E:246:ILE:CA	5:D:1409:HOH:O[2_757]	1.92	0.28
1:E:251:ARG:CZ	5:D:1425:HOH:O[2_757]	1.92	0.28
1:E:45:LEU:CG	1:F:164:THR:CB[2_657]	1.92	0.28
1:E:55:ASP:N	1:F:157:TYR:CE2[2_657]	1.92	0.28
1:E:55:ASP:N	1:F:157:TYR:CE1[2_657]	1.92	0.28
1:E:56:LYS:CD	1:F:158:LYS:CB[2_657]	1.92	0.28
1:E:60:ASP:N	1:F:162:PRO:CA[2_657]	1.92	0.28
1:E:61:ALA:N	1:F:161:ASP:CA[2_657]	1.92	0.28
1:E:81:GLU:O	1:F:227:ASP:CG[2_657]	1.92	0.28
1:E:87:PHE:N	1:F:228:ILE:CG1[2_657]	1.92	0.28
1:A:2:PHE:CZ	1:E:170:LEU:CD1[2_657]	1.93	0.27
1:A:2:PHE:CD1	1:E:155:LEU:CG[2_657]	1.93	0.27
1:A:4:LYS:CB	1:E:154:GLU:CG[2_657]	1.93	0.27
1:A:11:VAL:CG1	1:A:167:PRO:CD[2_757]	1.93	0.27
1:A:12:VAL:CG1	1:A:168:GLN:CB[2_757]	1.93	0.27
1:A:17:ASP:CB	1:B:157:TYR:CD1[2_757]	1.93	0.27
1:A:33:LEU:C	1:E:174:ASP:C[2_657]	1.93	0.27
1:A:51:ASP:OD2	1:B:185:TYR:C[2_757]	1.93	0.27
1:A:60:ASP:OD2	1:B:144:ASP:CA[2_757]	1.93	0.27
1:A:65:ILE:CD1	1:B:152:SER:O[2_757]	1.93	0.27

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:76:THR:N	1:B:168:GLN:O[2_757]	1.93	0.27
1:A:83:ARG:CG	1:A:146:LEU:CB[2_757]	1.93	0.27
1:A:88:ASN:CG	1:B:190:SER:CB[2_757]	1.93	0.27
1:A:88:ASN:N	1:B:187:THR:O[2_757]	1.93	0.27
1:A:88:ASN:OD1	1:B:190:SER:C[2_757]	1.93	0.27
1:A:97:ASN:N	1:B:172:VAL:CG2[2_757]	1.93	0.27
1:A:112:PRO:CD	1:C:7:VAL:C[2_858]	1.93	0.27
1:A:128:PRO:CD	1:C:36:LEU:CD2[2_858]	1.93	0.27
1:A:129:ILE:CG2	1:C:349:ASP:CB[2_858]	1.93	0.27
1:A:160:SER:CB	1:A:304:THR:O[2_757]	1.93	0.27
1:A:162:PRO:O	1:A:345:ARG:CD[2_757]	1.93	0.27
1:A:326:GLU:OE1	1:F:305:PHE:CG[2_657]	1.93	0.27
1:A:381:LEU:O	1:F:40:LEU:C[2_657]	1.93	0.27
1:A:391:TYR:O	1:F:305:PHE:O[2_657]	1.93	0.27
1:A:400:ALA:C	1:F:98:GLY:O[2_657]	1.93	0.27
1:B:169:THR:CB	3:A:1101:NDP:N7N[2_757]	1.93	0.27
1:B:168:GLN:CB	3:A:1101:NDP:O4D[2_757]	1.93	0.27
1:F:67:LYS:CG	3:A:1101:NDP:N3A[2_657]	1.93	0.27
1:E:153:LEU:CB	5:A:1125:HOH:O[2_657]	1.93	0.27
1:B:10:PRO:CD	1:E:117:ARG:CD[2_757]	1.93	0.27
1:B:12:VAL:CA	1:E:370:GLN:CB[2_757]	1.93	0.27
1:B:26:LYS:CG	1:C:231:GLU:CB[2_858]	1.93	0.27
1:B:52:ALA:O	1:E:296:ILE:CB[2_757]	1.93	0.27
1:B:56:LYS:CB	1:E:333:ALA:O[2_757]	1.93	0.27
1:B:60:ASP:OD2	1:E:333:ALA:CA[2_757]	1.93	0.27
1:B:63:GLU:CD	1:E:331:SER:N[2_757]	1.93	0.27
1:B:65:ILE:O	1:E:374:ILE:CB[2_757]	1.93	0.27
1:B:65:ILE:N	1:E:368:THR:CB[2_757]	1.93	0.27
1:B:66:LYS:NZ	1:E:395:GLU:C[2_757]	1.93	0.27
1:B:78:THR:OG1	1:E:5:ILE:CD1[2_757]	1.93	0.27
1:B:83:ARG:O	1:E:346:GLY:C[2_757]	1.93	0.27
1:B:90:HIS:CB	1:E:70:VAL:CG2[2_757]	1.93	0.27
1:B:115:ILE:O	1:C:102:ASN:OD1[2_858]	1.93	0.27
1:B:122:VAL:CG1	1:C:63:GLU:O[2_858]	1.93	0.27
1:B:141:LYS:CE	1:E:28:LYS:C[2_757]	1.93	0.27
1:B:290:LEU:CD2	1:C:301:ASP:CG[2_858]	1.93	0.27
1:B:318:TYR:CE1	1:C:236:GLN:O[2_858]	1.93	0.27
1:B:318:TYR:CG	1:C:237:TYR:CD2[2_858]	1.93	0.27
1:B:323:LYS:C	1:C:246:ILE:CG1[2_858]	1.93	0.27
1:B:323:LYS:O	1:C:246:ILE:CA[2_858]	1.93	0.27
1:B:323:LYS:CG	1:C:246:ILE:CG1[2_858]	1.93	0.27

Continued on next page...



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:335:ILE:CD1	1:C:188:ASP:O[2_858]	1.93	0.27
1:B:361:LEU:CB	1:D:178:SER:N[2_858]	1.93	0.27
1:B:363:SER:C	1:D:175:TYR:CD2[2_858]	1.93	0.27
1:B:364:ALA:O	1:C:186:ASN:N[2_858]	1.93	0.27
1:B:369:VAL:CA	1:C:137:GLY:C[2_858]	1.93	0.27
1:B:377:LYS:O	1:C:108:VAL:CA[2_858]	1.93	0.27
1:B:379:LEU:N	1:C:107:THR:N[2_858]	1.93	0.27
1:B:390:ALA:O	1:C:273:ASN:O[2_858]	1.93	0.27
1:B:395:GLU:OE2	1:C:248:TYR:CZ[2_858]	1.93	0.27
1:B:399:ASP:CG	1:C:222:ASP:O[2_858]	1.93	0.27
1:B:403:LYS:CG	1:D:144:ASP:CG[2_858]	1.93	0.27
1:B:411:SER:C	1:C:168:GLN:CA[2_858]	1.93	0.27
1:C:315:THR:N	1:C:323:LYS:CB[2_958]	1.93	0.27
1:C:321:TYR:C	5:C:1339:HOH:O[2_958]	1.93	0.27
1:C:321:TYR:O	5:C:1319:HOH:O[2_958]	1.93	0.27
1:D:8:LYS:CD	1:F:258:ALA:CA[2_757]	1.93	0.27
1:D:8:LYS:NZ	1:F:257:VAL:N[2_757]	1.93	0.27
1:D:9:GLN:CG	1:F:261:ILE:CB[2_757]	1.93	0.27
1:D:11:VAL:C	1:E:287:PHE:CD2[2_757]	1.93	0.27
1:D:23:ILE:O	1:E:206:LYS:N[2_757]	1.93	0.27
1:D:24:TRP:O	1:E:205:LYS:CB[2_757]	1.93	0.27
1:D:34:PRO:C	1:E:296:ILE:CA[2_757]	1.93	0.27
1:D:35:TYR:OH	1:E:107:THR:O[2_757]	1.93	0.27
1:D:35:TYR:CB	1:E:108:VAL:O[2_757]	1.93	0.27
1:D:35:TYR:N	1:E:109:PHE:N[2_757]	1.93	0.27
1:D:36:LEU:C	1:E:110:ARG:CG[2_757]	1.93	0.27
1:D:40:LEU:O	1:E:113:ILE:C[2_757]	1.93	0.27
1:D:68:TYR:CD2	1:E:121:LEU:N[2_757]	1.93	0.27
1:D:74:CYS:N	1:E:127:LYS:CD[2_757]	1.93	0.27
1:D:113:ILE:CG2	1:E:249:GLU:CA[2_757]	1.93	0.27
1:D:138:ASP:CB	1:F:388:ARG:CB[2_757]	1.93	0.27
1:D:206:LYS:CB	1:F:76:THR:O[2_757]	1.93	0.27
1:D:210:PHE:O	1:F:327:THR:OG1[2_757]	1.93	0.27
1:D:212:SER:OG	1:F:325:GLU:O[2_757]	1.93	0.27
1:D:224:ARG:O	1:F:396:GLU:OE2[2_757]	1.93	0.27
1:D:225:PHE:CG	5:F:1639:HOH:O[2_757]	1.93	0.27
1:D:231:GLU:C	1:F:398:LEU:CD2[2_757]	1.93	0.27
1:D:233:TYR:CB	1:F:398:LEU:CD1[2_757]	1.93	0.27
1:D:266:GLY:O	1:F:319:ARG:NH1[2_757]	1.93	0.27
1:D:268:ILE:C	1:F:319:ARG:N[2_757]	1.93	0.27
1:D:306:GLU:CA	1:E:263:SER:OG[2_757]	1.93	0.27

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:331:SER:N	1:E:241:PHE:CD1[2_757]	1.93	0.27
1:D:336:PHE:CD1	1:E:209:LEU:C[2_757]	1.93	0.27
1:D:338:TRP:CB	1:E:269:MET:N[2_757]	1.93	0.27
1:D:352:PRO:O	1:E:274:TYR:CD2[2_757]	1.93	0.27
1:D:356:LYS:CE	1:E:139:GLN:OE1[2_757]	1.93	0.27
1:D:360:ILE:CG1	5:E:1520:HOH:O[2_757]	1.93	0.27
1:D:362:GLU:CD	1:E:211:LEU:O[2_757]	1.93	0.27
1:D:394:THR:C	1:E:203:ILE:CG2[2_757]	1.93	0.27
1:D:401:VAL:CG1	1:E:198:SER:N[2_757]	1.93	0.27
1:E:242:GLU:CA	3:D:1401:NDP:N1A[2_757]	1.93	0.27
1:E:14:LEU:CD1	1:F:164:THR:OG1[2_657]	1.93	0.27
1:E:58:THR:CA	1:F:165:ALA:CA[2_657]	1.93	0.27
1:E:80:ASP:O	1:F:227:ASP:OD2[2_657]	1.93	0.27
1:E:91:LYS:CA	1:E:145:THR:C[2_657]	1.93	0.27
1:A:2:PHE:C	1:E:155:LEU:CB[2_657]	1.94	0.26
1:A:12:VAL:O	1:A:168:GLN:N[2_757]	1.94	0.26
1:A:44:ASP:CG	1:A:171:LYS:CB[2_757]	1.94	0.26
1:A:59:GLN:CA	1:B:181:ALA:C[2_757]	1.94	0.26
1:A:65:ILE:CG1	1:A:157:TYR:CE1[2_757]	1.94	0.26
1:A:67:LYS:CA	1:B:148:PRO:CA[2_757]	1.94	0.26
1:A:71:GLY:CA	1:A:158:LYS:N[2_757]	1.94	0.26
1:A:73:LYS:NZ	1:B:155:LEU:C[2_757]	1.94	0.26
1:A:76:THR:CA	1:B:157:TYR:N[2_757]	1.94	0.26
1:A:76:THR:CB	1:B:155:LEU:O[2_757]	1.94	0.26
1:A:78:THR:CB	1:A:145:THR:CB[2_757]	1.94	0.26
1:A:78:THR:OG1	1:B:170:LEU:CG[2_757]	1.94	0.26
1:A:84:VAL:CA	1:A:180:VAL:CG1[2_757]	1.94	0.26
1:A:102:ASN:CA	1:B:173:TYR:CD1[2_757]	1.94	0.26
1:A:117:ARG:CZ	1:F:46:SER:N[2_657]	1.94	0.26
1:A:123:PRO:N	1:C:12:VAL:N[2_858]	1.94	0.26
1:A:123:PRO:N	1:C:12:VAL:CG1[2_858]	1.94	0.26
1:A:124:ARG:CZ	1:C:306:GLU:CA[2_858]	1.94	0.26
1:A:124:ARG:O	1:C:72:ILE:CD1[2_858]	1.94	0.26
1:A:125:TRP:NE1	1:C:345:ARG:CD[2_858]	1.94	0.26
1:A:149:GLY:CA	1:A:319:ARG:NH2[2_757]	1.94	0.26
1:A:214:LYS:CG	1:E:3:SER:C[2_757]	1.94	0.26
1:A:267:PHE:CE2	1:C:345:ARG:O[2_858]	1.94	0.26
1:A:268:ILE:N	1:C:352:PRO:N[2_858]	1.94	0.26
1:A:288:GLY:N	1:C:39:ASP:OD1[2_858]	1.94	0.26
1:A:319:ARG:N	1:B:161:ASP:C[2_757]	1.94	0.26
1:A:366:LEU:CB	1:F:56:LYS:N[2_657]	1.94	0.26

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:370:GLN:CG	1:F:53:THR:CG2[2_657]	1.94	0.26
1:A:375:MET:CB	1:F:61:ALA:CB[2_657]	1.94	0.26
1:A:376:THR:O	1:F:12:VAL:CG2[2_657]	1.94	0.26
1:A:380:ALA:O	1:F:41:LYS:CA[2_657]	1.94	0.26
1:A:387:GLU:O	1:F:11:VAL:CG1[2_657]	1.94	0.26
1:A:389:SER:C	1:F:72:ILE:CG1[2_657]	1.94	0.26
1:A:391:TYR:C	1:F:71:GLY:CA[2_657]	1.94	0.26
1:A:391:TYR:CE2	1:F:70:VAL:O[2_657]	1.94	0.26
1:A:404:ARG:CZ	5:F:1608:HOH:O[2_657]	1.94	0.26
1:B:10:PRO:CB	1:E:117:ARG:CB[2_757]	1.94	0.26
1:B:18:GLU:O	1:C:236:GLN:N[2_858]	1.94	0.26
1:B:26:LYS:CA	1:C:231:GLU:CB[2_858]	1.94	0.26
1:B:57:ILE:CA	1:E:336:PHE:CD2[2_757]	1.94	0.26
1:B:59:GLN:C	1:E:335:ILE:CB[2_757]	1.94	0.26
1:B:61:ALA:O	1:E:365:THR:C[2_757]	1.94	0.26
1:B:78:THR:CA	1:E:353:ALA:O[2_757]	1.94	0.26
1:B:102:ASN:ND2	1:E:30:LYS:N[2_757]	1.94	0.26
1:B:107:THR:O	1:E:407:LYS:NZ[2_757]	1.94	0.26
1:B:119:PRO:CA	1:C:100:ILE:O[2_858]	1.94	0.26
1:B:119:PRO:CD	1:C:101:ARG:CA[2_858]	1.94	0.26
1:B:123:PRO:N	1:C:61:ALA:C[2_858]	1.94	0.26
1:B:285:GLN:NE2	1:C:304:THR:O[2_858]	1.94	0.26
1:B:297:LEU:CB	1:E:403:LYS:C[2_757]	1.94	0.26
1:B:320:LYS:C	1:C:241:PHE:CZ[2_858]	1.94	0.26
1:B:320:LYS:N	1:C:203:ILE:CA[2_858]	1.94	0.26
1:B:322:GLN:CA	1:C:241:PHE:N[2_858]	1.94	0.26
1:B:329:THR:OG1	1:C:197:SER:N[2_858]	1.94	0.26
1:B:364:ALA:N	1:D:175:TYR:CE1[2_858]	1.94	0.26
1:B:367:ASN:CA	1:C:185:TYR:CE1[2_858]	1.94	0.26
1:B:370:GLN:OE1	1:C:141:LYS:CB[2_858]	1.94	0.26
1:B:374:ILE:CG2	1:C:138:ASP:OD2[2_858]	1.94	0.26
1:B:375:MET:CA	1:C:134:HIS:ND1[2_858]	1.94	0.26
1:B:391:TYR:CD2	1:C:132:GLY:C[2_858]	1.94	0.26
1:B:392:VAL:CA	1:C:271:LEU:CA[2_858]	1.94	0.26
1:B:393:THR:C	1:C:229:PHE:CE1[2_858]	1.94	0.26
1:B:395:GLU:CA	1:C:225:PHE:O[2_858]	1.94	0.26
1:B:397:PHE:C	1:C:225:PHE:CD2[2_858]	1.94	0.26
1:B:398:LEU:CB	1:C:224:ARG:O[2_858]	1.94	0.26
1:B:400:ALA:O	1:D:180:VAL:CG2[2_858]	1.94	0.26
1:B:406:GLN:OE1	1:C:220:LYS:CD[2_858]	1.94	0.26
1:B:406:GLN:CD	1:C:220:LYS:CB[2_858]	1.94	0.26

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:406:GLN:N	1:D:146:LEU:CA[2_858]	1.94	0.26
1:B:407:LYS:CE	1:D:144:ASP:C[2_858]	1.94	0.26
1:B:409:ILE:CG2	1:C:168:GLN:CD[2_858]	1.94	0.26
1:C:134:HIS:CD2	5:B:1221:HOH:O[2_858]	1.94	0.26
1:D:2:PHE:CG	1:E:100:ILE:CA[2_757]	1.94	0.26
1:D:9:GLN:C	1:E:284:ALA:C[2_757]	1.94	0.26
1:D:31:LEU:CA	1:E:109:PHE:CD2[2_757]	1.94	0.26
1:D:37:ASP:OD2	1:E:310:ALA:N[2_757]	1.94	0.26
1:D:39:ASP:N	1:E:293:MET:CB[2_757]	1.94	0.26
1:D:41:LYS:CD	1:E:287:PHE:O[2_757]	1.94	0.26
1:D:106:GLY:CA	1:F:378:ASP:O[2_757]	1.94	0.26
1:D:126:GLU:CD	1:F:85:LYS:CG[2_757]	1.94	0.26
1:D:137:GLY:CA	1:F:387:GLU:C[2_757]	1.94	0.26
1:D:186:ASN:CG	1:F:390:ALA:N[2_757]	1.94	0.26
1:D:208:ASN:CB	1:F:318:TYR:CE2[2_757]	1.94	0.26
1:D:227:ASP:N	1:F:396:GLU:N[2_757]	1.94	0.26
1:D:228:ILE:O	1:F:397:PHE:CA[2_757]	1.94	0.26
1:D:229:PHE:CA	1:F:394:THR:CA[2_757]	1.94	0.26
1:D:229:PHE:CB	1:F:394:THR:O[2_757]	1.94	0.26
1:D:236:GLN:C	1:F:334:SER:C[2_757]	1.94	0.26
1:D:241:PHE:CE1	1:F:20:THR:C[2_757]	1.94	0.26
1:D:242:GLU:OE1	5:F:1636:HOH:O[2_757]	1.94	0.26
1:D:299:THR:CG2	1:F:121:LEU:CD2[2_757]	1.94	0.26
1:D:332:ILE:N	1:E:241:PHE:CD2[2_757]	1.94	0.26
1:D:334:SER:N	1:E:208:ASN:CB[2_757]	1.94	0.26
1:D:340:ARG:CA	1:E:256:MET:SD[2_757]	1.94	0.26
1:D:345:ARG:NH2	1:F:261:ILE:CD1[2_757]	1.94	0.26
1:D:351:THR:CA	1:E:278:VAL:CG2[2_757]	1.94	0.26
1:D:352:PRO:CG	1:E:274:TYR:CE1[2_757]	1.94	0.26
1:D:353:ALA:N	1:E:274:TYR:O[2_757]	1.94	0.26
1:D:353:ALA:O	1:E:274:TYR:O[2_757]	1.94	0.26
1:D:354:LEU:CG	1:E:279:GLN:C[2_757]	1.94	0.26
1:D:355:CYS:CB	1:E:275:ASP:CA[2_757]	1.94	0.26
1:D:364:ALA:N	1:E:229:PHE:CD1[2_757]	1.94	0.26
1:D:398:LEU:CA	1:E:200:LYS:C[2_757]	1.94	0.26
1:D:400:ALA:CB	1:E:200:LYS:NZ[2_757]	1.94	0.26
1:D:408:GLU:CB	1:E:190:SER:O[2_757]	1.94	0.26
1:E:48:GLU:N	1:E:178:SER:N[2_657]	1.94	0.26
1:E:58:THR:O	1:F:165:ALA:O[2_657]	1.94	0.26
1:E:60:ASP:OD2	1:F:159:PRO:C[2_657]	1.94	0.26
1:E:60:ASP:N	1:F:162:PRO:CD[2_657]	1.94	0.26

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:82:ALA:O	1:F:228:ILE:CA[2_657]	1.94	0.26
1:E:88:ASN:CB	1:F:191:ILE:CD1[2_657]	1.94	0.26
1:E:91:LYS:N	1:E:145:THR:O[2_657]	1.94	0.26
1:A:18:GLU:CB	1:B:158:LYS:C[2_757]	1.95	0.25
1:A:21:ARG:CB	1:A:152:SER:CB[2_757]	1.95	0.25
1:A:33:LEU:CA	1:E:174:ASP:CA[2_657]	1.95	0.25
1:A:43:TYR:O	1:A:170:LEU:O[2_757]	1.95	0.25
1:A:44:ASP:N	1:A:171:LYS:N[2_757]	1.95	0.25
1:A:45:LEU:N	1:A:170:LEU:O[2_757]	1.95	0.25
1:A:49:SER:OG	1:A:172:VAL:CA[2_757]	1.95	0.25
1:A:50:ARG:CD	1:B:155:LEU:CD2[2_757]	1.95	0.25
1:A:63:GLU:O	1:B:147:ILE:CB[2_757]	1.95	0.25
1:A:63:GLU:O	1:B:148:PRO:N[2_757]	1.95	0.25
1:A:65:ILE:CD1	1:A:157:TYR:CA[2_757]	1.95	0.25
1:A:79:PRO:CA	1:A:145:THR:CA[2_757]	1.95	0.25
1:A:79:PRO:CD	1:A:145:THR:N[2_757]	1.95	0.25
1:A:79:PRO:C	1:A:146:LEU:N[2_757]	1.95	0.25
1:A:83:ARG:CG	1:A:146:LEU:O[2_757]	1.95	0.25
1:A:87:PHE:C	1:B:187:THR:N[2_757]	1.95	0.25
1:A:88:ASN:CG	1:B:191:ILE:N[2_757]	1.95	0.25
1:A:88:ASN:O	1:B:187:THR:N[2_757]	1.95	0.25
1:A:89:LEU:CD1	1:A:180:VAL:CG2[2_757]	1.95	0.25
1:A:95:SER:N	1:A:144:ASP:N[2_757]	1.95	0.25
1:A:96:PRO:C	1:B:172:VAL:CB[2_757]	1.95	0.25
1:A:97:ASN:CG	1:B:171:LYS:N[2_757]	1.95	0.25
1:A:98:GLY:CA	1:B:171:LYS:O[2_757]	1.95	0.25
1:A:102:ASN:O	1:B:173:TYR:CD1[2_757]	1.95	0.25
1:A:120:ARG:CZ	1:C:40:LEU:CD2[2_858]	1.95	0.25
1:A:121:LEU:O	1:C:12:VAL:CG2[2_858]	1.95	0.25
1:A:214:LYS:CE	1:E:4:LYS:N[2_757]	1.95	0.25
1:A:217:ILE:CB	1:E:4:LYS:CD[2_757]	1.95	0.25
1:A:218:LEU:C	1:E:37:ASP:OD2[2_757]	1.95	0.25
1:A:262:LYS:CA	1:C:69:GLY:O[2_858]	1.95	0.25
1:A:264:LYS:CD	1:C:338:TRP:O[2_858]	1.95	0.25
1:A:267:PHE:CD2	1:C:345:ARG:C[2_858]	1.95	0.25
1:A:287:PHE:CZ	1:C:9:GLN:O[2_858]	1.95	0.25
1:A:304:THR:CG2	1:B:150:PRO:O[2_757]	1.95	0.25
1:A:325:GLU:O	1:F:303:LYS:CB[2_657]	1.95	0.25
1:A:366:LEU:CA	1:F:55:ASP:O[2_657]	1.95	0.25
1:A:375:MET:C	1:F:61:ALA:O[2_657]	1.95	0.25
1:A:379:LEU:CG	1:F:43:TYR:CZ[2_657]	1.95	0.25

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:381:LEU:O	1:F:40:LEU:O[2_657]	1.95	0.25
1:A:384:GLY:CA	1:F:40:LEU:C[2_657]	1.95	0.25
1:A:389:SER:OG	1:F:337:ALA:O[2_657]	1.95	0.25
1:A:391:TYR:CD1	1:F:70:VAL:O[2_657]	1.95	0.25
1:A:400:ALA:C	1:F:99:THR:CA[2_657]	1.95	0.25
1:A:406:GLN:OE1	1:F:141:LYS:CB[2_657]	1.95	0.25
1:A:408:GLU:N	1:F:94:LYS:CE[2_657]	1.95	0.25
1:B:190:SER:N	5:A:1129:HOH:O[2_757]	1.95	0.25
1:B:12:VAL:CG1	1:E:366:LEU:CA[2_757]	1.95	0.25
1:B:14:LEU:C	1:E:363:SER:CB[2_757]	1.95	0.25
1:B:19:MET:SD	1:C:237:TYR:CE1[2_858]	1.95	0.25
1:B:51:ASP:OD2	1:E:344:LYS:CA[2_757]	1.95	0.25
1:B:51:ASP:CA	1:E:340:ARG:C[2_757]	1.95	0.25
1:B:51:ASP:CB	1:E:344:LYS:N[2_757]	1.95	0.25
1:B:60:ASP:CA	1:E:332:ILE:C[2_757]	1.95	0.25
1:B:92:MET:SD	1:E:8:LYS:N[2_757]	1.95	0.25
1:B:104:LEU:O	1:E:399:ASP:CB[2_757]	1.95	0.25
1:B:104:LEU:CG	1:E:401:VAL:CA[2_757]	1.95	0.25
1:B:115:ILE:O	1:C:102:ASN:O[2_858]	1.95	0.25
1:B:125:TRP:O	1:C:63:GLU:CB[2_858]	1.95	0.25
1:B:297:LEU:CA	1:E:407:LYS:CD[2_757]	1.95	0.25
1:B:297:LEU:CA	1:E:407:LYS:NZ[2_757]	1.95	0.25
1:B:321:TYR:C	1:C:241:PHE:CZ[2_858]	1.95	0.25
1:B:326:GLU:CD	1:C:268:ILE:C[2_858]	1.95	0.25
1:B:329:THR:O	1:C:194:PHE:N[2_858]	1.95	0.25
1:B:357:PHE:C	1:D:149:GLY:N[2_858]	1.95	0.25
1:B:357:PHE:CB	1:C:165:ALA:CB[2_858]	1.95	0.25
1:B:359:ASN:N	1:D:150:PRO:CD[2_858]	1.95	0.25
1:B:359:ASN:CB	1:D:150:PRO:O[2_858]	1.95	0.25
1:B:363:SER:O	1:D:173:TYR:CD2[2_858]	1.95	0.25
1:B:368:THR:CB	1:C:186:ASN:N[2_858]	1.95	0.25
1:B:374:ILE:CB	1:C:138:ASP:OD1[2_858]	1.95	0.25
1:B:392:VAL:CA	1:C:272:LYS:N[2_858]	1.95	0.25
1:B:405:LEU:C	1:D:146:LEU:CA[2_858]	1.95	0.25
1:C:197:SER:OG	3:B:1201:NDP:N3A[2_858]	1.95	0.25
1:C:205:LYS:C	5:B:1208:HOH:O[2_858]	1.95	0.25
1:C:43:TYR:OH	5:B:1224:HOH:O[2_858]	1.95	0.25
1:C:316:ARG:N	1:C:322:GLN:C[2_958]	1.95	0.25
1:C:325:GLU:CD	1:C:329:THR:OG1[2_958]	1.95	0.25
1:D:31:LEU:CA	1:E:109:PHE:CE2[2_757]	1.95	0.25
1:D:40:LEU:CD1	1:E:111:GLU:C[2_757]	1.95	0.25

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:65:ILE:CB	1:E:124:ARG:N[2_757]	1.95	0.25
1:D:68:TYR:N	1:E:122:VAL:CA[2_757]	1.95	0.25
1:D:68:TYR:O	1:E:122:VAL:CG2[2_757]	1.95	0.25
1:D:81:GLU:O	1:D:88:ASN:CB[2_858]	1.95	0.25
1:D:104:LEU:O	1:F:382:ALA:CA[2_757]	1.95	0.25
1:D:109:PHE:CA	3:F:1601:NDP:O3X[2_757]	1.95	0.25
1:D:127:LYS:NZ	1:F:83:ARG:NH1[2_757]	1.95	0.25
1:D:130:ILE:CA	1:F:316:ARG:CG[2_757]	1.95	0.25
1:D:136:HIS:ND1	1:F:385:ASN:CB[2_757]	1.95	0.25
1:D:186:ASN:C	1:F:389:SER:O[2_757]	1.95	0.25
1:D:200:LYS:CD	1:F:291:GLY:N[2_757]	1.95	0.25
1:D:201:LEU:O	1:F:314:VAL:N[2_757]	1.95	0.25
1:D:225:PHE:CA	5:F:1639:HOH:O[2_757]	1.95	0.25
1:D:226:LYS:O	1:F:395:GLU:CA[2_757]	1.95	0.25
1:D:229:PHE:CD1	1:F:394:THR:CA[2_757]	1.95	0.25
1:D:231:GLU:OE1	1:F:400:ALA:CB[2_757]	1.95	0.25
1:D:238:LYS:CB	1:F:25:ASP:N[2_757]	1.95	0.25
1:D:241:PHE:CE2	1:F:21:ARG:N[2_757]	1.95	0.25
1:D:243:GLN:CD	1:F:14:LEU:N[2_757]	1.95	0.25
1:D:248:TYR:C	1:F:22:ILE:CG2[2_757]	1.95	0.25
1:D:256:MET:C	1:F:323:LYS:C[2_757]	1.95	0.25
1:D:302:GLY:C	1:F:284:ALA:O[2_757]	1.95	0.25
1:D:304:THR:CB	1:F:121:LEU:CD1[2_757]	1.95	0.25
1:D:331:SER:N	1:E:241:PHE:CG[2_757]	1.95	0.25
1:D:332:ILE:O	1:E:209:LEU:O[2_757]	1.95	0.25
1:D:336:PHE:CD2	1:E:210:PHE:CA[2_757]	1.95	0.25
1:D:361:LEU:CA	1:E:194:PHE:CE2[2_757]	1.95	0.25
1:D:362:GLU:CD	1:E:211:LEU:N[2_757]	1.95	0.25
1:D:369:VAL:O	1:E:235:ALA:CB[2_757]	1.95	0.25
1:D:375:MET:CE	1:E:235:ALA:N[2_757]	1.95	0.25
1:D:379:LEU:CB	1:E:238:LYS:CD[2_757]	1.95	0.25
1:D:397:PHE:CB	1:E:203:ILE:CD1[2_757]	1.95	0.25
1:D:409:ILE:CD1	1:E:107:THR:CA[2_757]	1.95	0.25
1:D:409:ILE:CG1	1:E:135:ALA:N[2_757]	1.95	0.25
1:E:49:SER:C	1:E:150:PRO:N[2_657]	1.95	0.25
1:E:53:THR:CA	1:E:151:GLY:O[2_657]	1.95	0.25
1:E:61:ALA:CA	1:F:161:ASP:C[2_657]	1.95	0.25
1:E:82:ALA:C	1:F:228:ILE:N[2_657]	1.95	0.25
1:F:159:PRO:O	5:E:1526:HOH:O[2_657]	1.95	0.25
1:A:3:SER:C	1:E:170:LEU:O[2_657]	1.96	0.24
1:A:4:LYS:CE	1:E:152:SER:CA[2_657]	1.96	0.24

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:20:THR:CA	1:B:158:LYS:CD[2_757]	1.96	0.24
1:A:55:ASP:C	1:B:182:MET:CG[2_757]	1.96	0.24
1:A:72:ILE:CA	1:A:158:LYS:CG[2_757]	1.96	0.24
1:A:79:PRO:N	1:A:145:THR:CB[2_757]	1.96	0.24
1:A:80:ASP:OD1	1:A:146:LEU:CG[2_757]	1.96	0.24
1:A:81:GLU:C	1:B:224:ARG:CD[2_757]	1.96	0.24
1:A:83:ARG:CB	1:A:179:GLY:O[2_757]	1.96	0.24
1:A:83:ARG:C	1:A:179:GLY:C[2_757]	1.96	0.24
1:A:91:LYS:O	1:B:221:TYR:CE1[2_757]	1.96	0.24
1:A:103:ILE:C	1:B:173:TYR:CZ[2_757]	1.96	0.24
1:A:104:LEU:CD2	1:B:175:TYR:N[2_757]	1.96	0.24
1:A:120:ARG:O	1:C:41:LYS:CA[2_858]	1.96	0.24
1:A:125:TRP:CG	1:C:11:VAL:CG2[2_858]	1.96	0.24
1:A:216:THR:N	1:E:5:ILE:CA[2_757]	1.96	0.24
1:A:246:ILE:CG2	1:C:356:LYS:CG[2_858]	1.96	0.24
1:A:264:LYS:CE	1:C:337:ALA:C[2_858]	1.96	0.24
1:A:267:PHE:CG	1:C:346:GLY:O[2_858]	1.96	0.24
1:A:269:MET:SD	1:C:348:LEU:C[2_858]	1.96	0.24
1:A:287:PHE:CD1	1:C:9:GLN:O[2_858]	1.96	0.24
1:A:316:ARG:CA	1:B:165:ALA:O[2_757]	1.96	0.24
1:A:316:ARG:N	1:B:165:ALA:N[2_757]	1.96	0.24
1:A:319:ARG:O	1:B:161:ASP:OD2[2_757]	1.96	0.24
1:A:321:TYR:N	1:F:303:LYS:CE[2_657]	1.96	0.24
1:A:332:ILE:CG1	1:F:63:GLU:OE2[2_657]	1.96	0.24
1:A:332:ILE:CB	1:F:63:GLU:CD[2_657]	1.96	0.24
1:A:366:LEU:CG	1:F:56:LYS:CB[2_657]	1.96	0.24
1:A:379:LEU:O	1:F:43:TYR:CD1[2_657]	1.96	0.24
1:A:390:ALA:C	1:F:12:VAL:O[2_657]	1.96	0.24
1:A:395:GLU:CA	1:F:104:LEU:C[2_657]	1.96	0.24
1:A:399:ASP:CA	1:F:102:ASN:N[2_657]	1.96	0.24
1:B:17:ASP:O	1:C:236:GLN:OE1[2_858]	1.96	0.24
1:B:26:LYS:CG	1:C:231:GLU:CA[2_858]	1.96	0.24
1:B:54:SER:CB	1:E:307:SER:CA[2_757]	1.96	0.24
1:B:54:SER:O	1:E:338:TRP:N[2_757]	1.96	0.24
1:B:56:LYS:N	1:E:337:ALA:C[2_757]	1.96	0.24
1:B:61:ALA:C	1:E:365:THR:CA[2_757]	1.96	0.24
1:B:64:ALA:CA	1:E:369:VAL:CG2[2_757]	1.96	0.24
1:B:65:ILE:CG2	1:E:368:THR:CG2[2_757]	1.96	0.24
1:B:77:ILE:CB	1:E:355:CYS:C[2_757]	1.96	0.24
1:B:78:THR:O	1:E:353:ALA:C[2_757]	1.96	0.24
1:B:88:ASN:CA	1:E:348:LEU:CA[2_757]	1.96	0.24

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:140:TYR:CG	1:E:34:PRO:O[2_757]	1.96	0.24
1:B:185:TYR:OH	1:E:29:LYS:CG[2_757]	1.96	0.24
1:B:296:ILE:O	1:E:407:LYS:NZ[2_757]	1.96	0.24
1:B:299:THR:N	1:E:403:LYS:CD[2_757]	1.96	0.24
1:B:309:ALA:C	1:E:411:SER:CB[2_757]	1.96	0.24
1:B:313:THR:O	5:E:1528:HOH:O[2_757]	1.96	0.24
1:B:317:HIS:O	1:C:199:PHE:CA[2_858]	1.96	0.24
1:B:317:HIS:CE1	1:C:197:SER:CB[2_858]	1.96	0.24
1:B:351:THR:O	1:C:163:THR:CB[2_858]	1.96	0.24
1:B:354:LEU:O	1:C:164:THR:CB[2_858]	1.96	0.24
1:B:356:LYS:NZ	1:C:162:PRO:CG[2_858]	1.96	0.24
1:B:363:SER:C	1:D:175:TYR:CG[2_858]	1.96	0.24
1:B:371:GLN:O	1:C:138:ASP:O[2_858]	1.96	0.24
1:B:373:GLY:C	1:C:137:GLY:O[2_858]	1.96	0.24
1:B:377:LYS:NZ	1:C:109:PHE:CD1[2_858]	1.96	0.24
1:B:381:LEU:CG	1:C:108:VAL:CA[2_858]	1.96	0.24
1:B:393:THR:CB	1:C:211:LEU:CG[2_858]	1.96	0.24
1:B:397:PHE:O	1:C:225:PHE:CD1[2_858]	1.96	0.24
1:B:403:LYS:CG	1:C:221:TYR:N[2_858]	1.96	0.24
1:B:405:LEU:CA	1:D:146:LEU:CA[2_858]	1.96	0.24
1:C:300:PRO:O	3:B:1201:NDP:C5A[2_858]	1.96	0.24
1:E:405:LEU:CA	5:B:1215:HOH:O[2_757]	1.96	0.24
1:C:316:ARG:O	1:C:320:LYS:O[2_958]	1.96	0.24
1:C:388:ARG:CD	1:C:392:VAL:CA[2_958]	1.96	0.24
1:D:2:PHE:CZ	1:E:99:THR:C[2_757]	1.96	0.24
1:D:31:LEU:CB	1:E:109:PHE:CZ[2_757]	1.96	0.24
1:D:35:TYR:CG	1:E:107:THR:C[2_757]	1.96	0.24
1:D:35:TYR:CB	1:E:108:VAL:CG1[2_757]	1.96	0.24
1:D:35:TYR:CD2	1:E:107:THR:O[2_757]	1.96	0.24
1:D:65:ILE:C	1:E:122:VAL:O[2_757]	1.96	0.24
1:D:65:ILE:CD1	1:E:125:TRP:CA[2_757]	1.96	0.24
1:D:67:LYS:C	1:E:122:VAL:N[2_757]	1.96	0.24
1:D:72:ILE:O	1:E:265:GLY:C[2_757]	1.96	0.24
1:D:73:LYS:N	1:E:265:GLY:CA[2_757]	1.96	0.24
1:D:109:PHE:CZ	3:F:1601:NDP:N9A[2_757]	1.96	0.24
1:D:188:ASP:N	1:F:373:GLY:O[2_757]	1.96	0.24
1:D:192:GLU:CG	1:F:397:PHE:CE1[2_757]	1.96	0.24
1:D:196:HIS:NE2	1:F:332:ILE:CD1[2_757]	1.96	0.24
1:D:204:ASP:O	3:F:1601:NDP:C5N[2_757]	1.96	0.24
1:D:207:LEU:N	1:F:313:THR:CB[2_757]	1.96	0.24
1:D:210:PHE:CG	1:F:322:GLN:N[2_757]	1.96	0.24

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:212:SER:OG	1:F:325:GLU:CB[2_757]	1.96	0.24
1:D:228:ILE:CD1	1:F:374:ILE:CG2[2_757]	1.96	0.24
1:D:230:GLN:OE1	1:F:26:LYS:CD[2_757]	1.96	0.24
1:D:230:GLN:N	1:F:394:THR:O[2_757]	1.96	0.24
1:D:236:GLN:O	1:F:334:SER:CB[2_757]	1.96	0.24
1:D:238:LYS:CD	1:F:26:LYS:N[2_757]	1.96	0.24
1:D:243:GLN:O	1:F:45:LEU:N[2_757]	1.96	0.24
1:D:249:GLU:CG	1:F:321:TYR:CZ[2_757]	1.96	0.24
1:D:256:MET:SD	1:F:321:TYR:C[2_757]	1.96	0.24
1:D:267:PHE:C	1:F:315:THR:O[2_757]	1.96	0.24
1:D:292:LEU:CD2	1:E:233:TYR:CE2[2_757]	1.96	0.24
1:D:307:SER:O	1:E:267:PHE:CD2[2_757]	1.96	0.24
1:D:334:SER:OG	1:E:207:LEU:O[2_757]	1.96	0.24
1:D:337:ALA:CA	1:E:267:PHE:CD1[2_757]	1.96	0.24
1:D:339:SER:C	5:E:1532:HOH:O[2_757]	1.96	0.24
1:D:341:GLY:O	1:E:260:MET:CG[2_757]	1.96	0.24
1:D:349:ASP:O	1:F:257:VAL:N[2_757]	1.96	0.24
1:D:352:PRO:CA	1:E:278:VAL:CG2[2_757]	1.96	0.24
1:D:354:LEU:N	1:E:277:ASP:CA[2_757]	1.96	0.24
1:D:359:ASN:N	1:E:272:LYS:N[2_757]	1.96	0.24
1:D:369:VAL:CG2	1:E:233:TYR:N[2_757]	1.96	0.24
1:D:376:THR:C	1:E:239:SER:C[2_757]	1.96	0.24
1:D:378:ASP:OD1	1:E:238:LYS:C[2_757]	1.96	0.24
1:D:399:ASP:CA	1:E:200:LYS:CD[2_757]	1.96	0.24
1:D:406:GLN:CG	1:E:299:THR:C[2_757]	1.96	0.24
1:D:409:ILE:CD1	1:E:106:GLY:O[2_757]	1.96	0.24
1:F:321:TYR:CE2	5:D:1440:HOH:O[2_757]	1.96	0.24
1:E:85:LYS:O	1:F:191:ILE:CG2[2_657]	1.96	0.24
1:E:86:GLU:CG	1:F:228:ILE:CG2[2_657]	1.96	0.24
1:E:99:THR:CB	1:F:166:GLN:CD[2_657]	1.96	0.24
1:A:4:LYS:CB	1:E:154:GLU:CD[2_657]	1.97	0.23
1:A:11:VAL:CA	1:A:167:PRO:N[2_757]	1.97	0.23
1:A:14:LEU:CB	1:A:156:VAL:C[2_757]	1.97	0.23
1:A:17:ASP:OD1	1:A:153:LEU:CB[2_757]	1.97	0.23
1:A:34:PRO:CB	1:E:174:ASP:N[2_657]	1.97	0.23
1:A:46:SER:OG	1:A:173:TYR:CA[2_757]	1.97	0.23
1:A:63:GLU:CG	1:B:179:GLY:CA[2_757]	1.97	0.23
1:A:64:ALA:N	1:B:147:ILE:CG1[2_757]	1.97	0.23
1:A:70:VAL:CG2	1:A:162:PRO:CD[2_757]	1.97	0.23
1:A:78:THR:C	1:A:145:THR:C[2_757]	1.97	0.23
1:A:79:PRO:O	1:A:145:THR:CA[2_757]	1.97	0.23

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:80:ASP:N	1:A:146:LEU:N[2_757]	1.97	0.23
1:A:87:PHE:CE1	1:A:147:ILE:CB[2_757]	1.97	0.23
1:A:87:PHE:C	1:B:187:THR:C[2_757]	1.97	0.23
1:A:92:MET:O	1:A:144:ASP:OD2[2_757]	1.97	0.23
1:A:93:TRP:N	1:B:221:TYR:CB[2_757]	1.97	0.23
1:A:93:TRP:N	1:B:221:TYR:CD1[2_757]	1.97	0.23
1:A:94:LYS:CA	1:A:143:THR:CA[2_757]	1.97	0.23
1:A:112:PRO:C	1:C:37:ASP:OD2[2_858]	1.97	0.23
1:A:120:ARG:CG	1:C:41:LYS:N[2_858]	1.97	0.23
1:A:120:ARG:CB	1:C:40:LEU:C[2_858]	1.97	0.23
1:A:121:LEU:CG	1:C:41:LYS:CD[2_858]	1.97	0.23
1:A:122:VAL:O	1:C:12:VAL:CA[2_858]	1.97	0.23
1:A:129:ILE:CG2	1:C:349:ASP:CG[2_858]	1.97	0.23
1:A:131:ILE:CD1	1:C:8:LYS:CG[2_858]	1.97	0.23
1:A:158:LYS:NZ	1:A:307:SER:C[2_757]	1.97	0.23
1:A:263:SER:CB	1:C:344:LYS:CB[2_858]	1.97	0.23
1:A:264:LYS:C	1:C:342:LEU:CA[2_858]	1.97	0.23
1:A:264:LYS:CA	1:C:342:LEU:N[2_858]	1.97	0.23
1:A:269:MET:N	1:C:350:ASN:CA[2_858]	1.97	0.23
1:A:314:VAL:CG2	1:B:167:PRO:CG[2_757]	1.97	0.23
1:A:315:THR:CB	1:B:165:ALA:C[2_757]	1.97	0.23
1:A:317:HIS:C	1:B:161:ASP:O[2_757]	1.97	0.23
1:A:318:TYR:N	1:B:161:ASP:O[2_757]	1.97	0.23
1:A:371:GLN:CA	1:F:50:ARG:CG[2_657]	1.97	0.23
1:A:371:GLN:OE1	1:F:50:ARG:CA[2_657]	1.97	0.23
1:A:377:LYS:CB	1:F:68:TYR:CB[2_657]	1.97	0.23
1:A:379:LEU:CD1	1:F:60:ASP:C[2_657]	1.97	0.23
1:A:387:GLU:CG	1:F:72:ILE:CD1[2_657]	1.97	0.23
1:A:387:GLU:OE2	1:F:338:TRP:CZ2[2_657]	1.97	0.23
1:A:404:ARG:NH1	1:F:94:LYS:N[2_657]	1.97	0.23
1:B:168:GLN:CD	3:A:1101:NDP:C2D[2_757]	1.97	0.23
1:B:12:VAL:CG2	1:E:369:VAL:C[2_757]	1.97	0.23
1:B:14:LEU:CB	1:E:363:SER:CB[2_757]	1.97	0.23
1:B:17:ASP:CG	5:E:1533:HOH:O[2_757]	1.97	0.23
1:B:20:THR:C	1:C:236:GLN:OE1[2_858]	1.97	0.23
1:B:20:THR:N	1:C:196:HIS:CE1[2_858]	1.97	0.23
1:B:25:ASP:O	1:C:231:GLU:CD[2_858]	1.97	0.23
1:B:30:LYS:CD	1:C:227:ASP:CG[2_858]	1.97	0.23
1:B:43:TYR:CZ	1:E:366:LEU:CD2[2_757]	1.97	0.23
1:B:45:LEU:CG	1:E:363:SER:N[2_757]	1.97	0.23
1:B:50:ARG:CG	1:E:339:SER:CB[2_757]	1.97	0.23

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:54:SER:OG	1:E:307:SER:OG[2_757]	1.97	0.23
1:B:59:GLN:OE1	1:E:27:ILE:CG1[2_757]	1.97	0.23
1:B:65:ILE:CG1	1:E:368:THR:N[2_757]	1.97	0.23
1:B:77:ILE:O	1:E:357:PHE:N[2_757]	1.97	0.23
1:B:79:PRO:C	1:E:354:LEU:CG[2_757]	1.97	0.23
1:B:82:ALA:C	1:E:349:ASP:O[2_757]	1.97	0.23
1:B:83:ARG:N	1:E:351:THR:OG1[2_757]	1.97	0.23
1:B:84:VAL:CB	1:E:345:ARG:O[2_757]	1.97	0.23
1:B:87:PHE:CZ	5:E:1521:HOH:O[2_757]	1.97	0.23
1:B:98:GLY:N	1:E:35:TYR:CD1[2_757]	1.97	0.23
1:B:103:ILE:CG2	1:E:398:LEU:C[2_757]	1.97	0.23
1:B:117:ARG:CZ	1:C:140:TYR:C[2_858]	1.97	0.23
1:B:122:VAL:C	1:C:64:ALA:CA[2_858]	1.97	0.23
1:B:125:TRP:CA	1:C:63:GLU:OE1[2_858]	1.97	0.23
1:B:289:SER:CA	1:C:299:THR:CA[2_858]	1.97	0.23
1:B:296:ILE:O	1:E:407:LYS:CE[2_757]	1.97	0.23
1:B:297:LEU:CD1	1:E:403:LYS:CA[2_757]	1.97	0.23
1:B:316:ARG:C	1:C:200:LYS:C[2_858]	1.97	0.23
1:B:317:HIS:N	1:C:200:LYS:CG[2_858]	1.97	0.23
1:B:317:HIS:CA	1:C:200:LYS:CB[2_858]	1.97	0.23
1:B:318:TYR:CD1	1:C:237:TYR:N[2_858]	1.97	0.23
1:B:326:GLU:CD	1:C:269:MET:N[2_858]	1.97	0.23
1:B:330:ASN:C	1:C:193:GLY:C[2_858]	1.97	0.23
1:B:352:PRO:C	1:C:162:PRO:N[2_858]	1.97	0.23
1:B:359:ASN:CG	1:C:160:SER:OG[2_858]	1.97	0.23
1:B:359:ASN:CG	1:D:150:PRO:CB[2_858]	1.97	0.23
1:B:367:ASN:CA	1:C:185:TYR:CE2[2_858]	1.97	0.23
1:B:368:THR:O	1:C:138:ASP:OD1[2_858]	1.97	0.23
1:B:368:THR:N	1:C:185:TYR:CA[2_858]	1.97	0.23
1:B:376:THR:CA	1:C:134:HIS:CA[2_858]	1.97	0.23
1:B:385:ASN:N	1:C:110:ARG:NH2[2_858]	1.97	0.23
1:B:386:ASN:CB	1:C:295:SER:CA[2_858]	1.97	0.23
1:B:389:SER:CA	1:C:276:GLY:O[2_858]	1.97	0.23
1:B:391:TYR:CD2	1:C:133:ARG:CB[2_858]	1.97	0.23
1:B:395:GLU:CD	1:C:229:PHE:CB[2_858]	1.97	0.23
1:B:395:GLU:C	1:C:225:PHE:O[2_858]	1.97	0.23
1:B:397:PHE:O	1:C:191:ILE:CD1[2_858]	1.97	0.23
1:B:400:ALA:N	1:C:225:PHE:CD1[2_858]	1.97	0.23
1:D:5:ILE:CG2	1:E:277:ASP:OD1[2_757]	1.97	0.23
1:D:31:LEU:N	1:E:201:LEU:CD1[2_757]	1.97	0.23
1:D:62:ALA:O	1:E:123:PRO:O[2_757]	1.97	0.23

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:73:LYS:CA	1:E:265:GLY:O[2_757]	1.97	0.23
1:D:136:HIS:O	1:F:386:ASN:C[2_757]	1.97	0.23
1:D:200:LYS:N	1:F:311:HIS:CE1[2_757]	1.97	0.23
1:D:200:LYS:CE	1:F:291:GLY:N[2_757]	1.97	0.23
1:D:203:ILE:C	1:F:312:GLY:C[2_757]	1.97	0.23
1:D:224:ARG:N	1:F:396:GLU:CD[2_757]	1.97	0.23
1:D:230:GLN:O	1:F:398:LEU:CB[2_757]	1.97	0.23
1:D:234:GLU:OE2	1:F:30:LYS:CG[2_757]	1.97	0.23
1:D:234:GLU:CA	1:F:26:LYS:C[2_757]	1.97	0.23
1:D:246:ILE:CG1	1:F:17:ASP:N[2_757]	1.97	0.23
1:D:246:ILE:CG1	1:F:17:ASP:CA[2_757]	1.97	0.23
1:D:256:MET:N	1:F:324:GLY:N[2_757]	1.97	0.23
1:D:268:ILE:CG1	1:F:314:VAL:O[2_757]	1.97	0.23
1:D:299:THR:O	1:F:289:SER:CA[2_757]	1.97	0.23
1:D:300:PRO:C	1:F:289:SER:CA[2_757]	1.97	0.23
1:D:330:ASN:ND2	1:E:241:PHE:CB[2_757]	1.97	0.23
1:D:338:TRP:CG	1:E:267:PHE:C[2_757]	1.97	0.23
1:D:350:ASN:OD1	1:F:253:ILE:CG1[2_757]	1.97	0.23
1:D:355:CYS:CB	5:E:1514:HOH:O[2_757]	1.97	0.23
1:D:356:LYS:CB	1:E:273:ASN:C[2_757]	1.97	0.23
1:D:359:ASN:N	1:E:271:LEU:C[2_757]	1.97	0.23
1:D:362:GLU:OE2	1:E:212:SER:N[2_757]	1.97	0.23
1:D:362:GLU:C	1:E:229:PHE:CE2[2_757]	1.97	0.23
1:D:375:MET:O	1:E:236:GLN:O[2_757]	1.97	0.23
1:D:375:MET:N	1:E:237:TYR:N[2_757]	1.97	0.23
1:D:398:LEU:CD2	1:E:203:ILE:N[2_757]	1.97	0.23
1:D:401:VAL:CG1	1:E:198:SER:C[2_757]	1.97	0.23
1:D:408:GLU:OE1	1:E:191:ILE:CA[2_757]	1.97	0.23
1:E:311:HIS:CG	5:D:1446:HOH:O[2_757]	1.97	0.23
1:E:54:SER:C	1:F:157:TYR:CG[2_657]	1.97	0.23
1:E:58:THR:CA	1:F:165:ALA:N[2_657]	1.97	0.23
1:E:85:LYS:CB	1:F:225:PHE:CA[2_657]	1.97	0.23
1:E:92:MET:C	1:E:146:LEU:CD2[2_657]	1.97	0.23
1:A:2:PHE:CB	1:E:155:LEU:CA[2_657]	1.98	0.22
1:A:10:PRO:CG	1:A:166:GLN:CD[2_757]	1.98	0.22
1:A:12:VAL:CB	1:A:168:GLN:N[2_757]	1.98	0.22
1:A:15:ASP:OD2	1:A:154:GLU:OE2[2_757]	1.98	0.22
1:A:35:TYR:N	1:E:174:ASP:OD1[2_657]	1.98	0.22
1:A:43:TYR:O	1:A:170:LEU:C[2_757]	1.98	0.22
1:A:51:ASP:CG	1:B:186:ASN:N[2_757]	1.98	0.22
1:A:63:GLU:CA	1:B:147:ILE:CG2[2_757]	1.98	0.22

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:65:ILE:N	1:A:157:TYR:CE1[2_757]	1.98	0.22
1:A:68:TYR:O	1:A:165:ALA:N[2_757]	1.98	0.22
1:A:83:ARG:NH1	1:A:148:PRO:CG[2_757]	1.98	0.22
1:A:93:TRP:CZ2	1:B:184:MET:SD[2_757]	1.98	0.22
1:A:100:ILE:C	1:B:173:TYR:CB[2_757]	1.98	0.22
1:A:103:ILE:CD1	1:A:185:TYR:CG[2_757]	1.98	0.22
1:A:117:ARG:CG	1:F:44:ASP:O[2_657]	1.98	0.22
1:A:124:ARG:CD	1:C:71:GLY:O[2_858]	1.98	0.22
1:A:141:LYS:CA	1:A:141:LYS:NZ[2_757]	1.98	0.22
1:A:210:PHE:CE1	1:C:347:GLU:CA[2_858]	1.98	0.22
1:A:214:LYS:NZ	1:E:3:SER:N[2_757]	1.98	0.22
1:A:258:ALA:CA	1:C:303:LYS:CA[2_858]	1.98	0.22
1:A:282:ILE:CB	1:C:9:GLN:NE2[2_858]	1.98	0.22
1:A:287:PHE:CA	1:C:39:ASP:OD2[2_858]	1.98	0.22
1:A:317:HIS:CA	1:B:162:PRO:N[2_757]	1.98	0.22
1:A:371:GLN:CG	1:F:50:ARG:CD[2_657]	1.98	0.22
1:A:391:TYR:CE1	1:F:70:VAL:C[2_657]	1.98	0.22
1:A:392:VAL:CG2	1:F:104:LEU:CD1[2_657]	1.98	0.22
1:A:398:LEU:C	1:F:103:ILE:C[2_657]	1.98	0.22
1:A:398:LEU:N	1:F:103:ILE:O[2_657]	1.98	0.22
1:A:400:ALA:O	1:F:99:THR:C[2_657]	1.98	0.22
1:A:403:LYS:CA	1:F:140:TYR:O[2_657]	1.98	0.22
1:B:12:VAL:CG2	1:E:366:LEU:O[2_757]	1.98	0.22
1:B:14:LEU:CD2	1:E:366:LEU:N[2_757]	1.98	0.22
1:B:17:ASP:OD2	1:E:355:CYS:O[2_757]	1.98	0.22
1:B:20:THR:N	1:C:236:GLN:CD[2_858]	1.98	0.22
1:B:22:ILE:CG1	1:C:233:TYR:N[2_858]	1.98	0.22
1:B:22:ILE:O	1:C:231:GLU:O[2_858]	1.98	0.22
1:B:45:LEU:CD1	1:E:362:GLU:C[2_757]	1.98	0.22
1:B:50:ARG:CZ	1:E:359:ASN:N[2_757]	1.98	0.22
1:B:51:ASP:N	1:E:340:ARG:CA[2_757]	1.98	0.22
1:B:60:ASP:N	1:E:332:ILE:C[2_757]	1.98	0.22
1:B:65:ILE:CA	1:E:368:THR:CA[2_757]	1.98	0.22
1:B:76:THR:N	1:E:360:ILE:CD1[2_757]	1.98	0.22
1:B:76:THR:C	1:E:356:LYS:CB[2_757]	1.98	0.22
1:B:87:PHE:CE2	5:E:1521:HOH:O[2_757]	1.98	0.22
1:B:93:TRP:CD1	1:E:343:LEU:N[2_757]	1.98	0.22
1:B:118:ILE:C	1:C:102:ASN:N[2_858]	1.98	0.22
1:B:122:VAL:CA	1:C:64:ALA:CA[2_858]	1.98	0.22
1:B:123:PRO:CB	1:C:61:ALA:CB[2_858]	1.98	0.22
1:B:125:TRP:CH2	1:C:67:LYS:CA[2_858]	1.98	0.22

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:125:TRP:CA	1:C:63:GLU:CG[2_858]	1.98	0.22
1:B:308:GLU:OE2	1:E:408:GLU:N[2_757]	1.98	0.22
1:B:320:LYS:O	1:C:241:PHE:CE2[2_858]	1.98	0.22
1:B:358:ALA:CA	1:D:150:PRO:N[2_858]	1.98	0.22
1:B:364:ALA:CB	1:D:175:TYR:CE2[2_858]	1.98	0.22
1:B:368:THR:CG2	1:C:186:ASN:CB[2_858]	1.98	0.22
1:B:368:THR:CA	1:C:186:ASN:N[2_858]	1.98	0.22
1:B:378:ASP:OD2	1:C:106:GLY:C[2_858]	1.98	0.22
1:B:378:ASP:N	1:C:107:THR:OG1[2_858]	1.98	0.22
1:B:395:GLU:OE1	1:C:229:PHE:CG[2_858]	1.98	0.22
1:B:401:VAL:CG2	1:C:191:ILE:CD1[2_858]	1.98	0.22
1:B:410:LYS:N	1:C:168:GLN:CB[2_858]	1.98	0.22
1:E:5:ILE:CD1	4:B:1202:AKG:O4[2_757]	1.98	0.22
1:D:173:TYR:CE1	5:B:1219:HOH:O[2_858]	1.98	0.22
1:C:178:SER:O	5:F:1646:HOH:O[2_757]	1.98	0.22
1:C:322:GLN:N	5:C:1339:HOH:O[2_958]	1.98	0.22
1:C:323:LYS:CA	5:C:1308:HOH:O[2_958]	1.98	0.22
1:D:4:LYS:CB	1:E:308:GLU:OE2[2_757]	1.98	0.22
1:D:8:LYS:CD	1:F:257:VAL:C[2_757]	1.98	0.22
1:D:13:GLU:CA	1:E:128:PRO:CA[2_757]	1.98	0.22
1:D:23:ILE:N	1:E:206:LYS:CG[2_757]	1.98	0.22
1:D:25:ASP:C	1:E:205:LYS:NZ[2_757]	1.98	0.22
1:D:26:LYS:CG	1:E:204:ASP:CA[2_757]	1.98	0.22
1:D:40:LEU:CD1	1:E:112:PRO:N[2_757]	1.98	0.22
1:D:71:GLY:N	1:E:125:TRP:CD2[2_757]	1.98	0.22
1:D:192:GLU:CD	1:F:397:PHE:CE1[2_757]	1.98	0.22
1:D:204:ASP:CA	1:F:312:GLY:N[2_757]	1.98	0.22
1:D:205:LYS:O	3:F:1601:NDP:C4D[2_757]	1.98	0.22
1:D:212:SER:N	1:F:326:GLU:CA[2_757]	1.98	0.22
1:D:225:PHE:O	1:F:393:THR:N[2_757]	1.98	0.22
1:D:231:GLU:CG	1:F:398:LEU:O[2_757]	1.98	0.22
1:D:234:GLU:CD	1:F:30:LYS:CD[2_757]	1.98	0.22
1:D:240:LYS:CA	1:F:24:TRP:CZ3[2_757]	1.98	0.22
1:D:244:LEU:CD1	1:F:74:CYS:C[2_757]	1.98	0.22
1:D:303:LYS:NZ	1:F:287:PHE:CE1[2_757]	1.98	0.22
1:D:341:GLY:CA	1:E:260:MET:CG[2_757]	1.98	0.22
1:D:347:GLU:O	1:F:279:GLN:CA[2_757]	1.98	0.22
1:D:352:PRO:O	1:E:274:TYR:O[2_757]	1.98	0.22
1:D:355:CYS:CB	1:E:275:ASP:CB[2_757]	1.98	0.22
1:D:356:LYS:CG	1:E:274:TYR:CA[2_757]	1.98	0.22
1:D:360:ILE:C	1:E:194:PHE:CD1[2_757]	1.98	0.22

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:367:ASN:ND2	1:E:228:ILE:CB[2_757]	1.98	0.22
1:D:367:ASN:OD1	1:E:228:ILE:CG2[2_757]	1.98	0.22
1:D:368:THR:C	1:E:232:VAL:O[2_757]	1.98	0.22
1:D:369:VAL:N	1:E:233:TYR:N[2_757]	1.98	0.22
1:D:376:THR:CB	1:E:239:SER:C[2_757]	1.98	0.22
1:D:406:GLN:OE1	1:E:300:PRO:N[2_757]	1.98	0.22
1:D:411:SER:N	1:E:136:HIS:CA[2_757]	1.98	0.22
1:E:237:TYR:CA	5:D:1420:HOH:O[2_757]	1.98	0.22
1:E:52:ALA:CA	1:E:175:TYR:CA[2_657]	1.98	0.22
1:E:53:THR:OG1	1:E:151:GLY:C[2_657]	1.98	0.22
1:E:58:THR:CG2	1:F:165:ALA:CB[2_657]	1.98	0.22
1:E:85:LYS:CG	1:F:226:LYS:N[2_657]	1.98	0.22
1:E:85:LYS:CA	1:F:224:ARG:C[2_657]	1.98	0.22
1:E:86:GLU:CB	1:F:228:ILE:CG1[2_657]	1.98	0.22
1:E:92:MET:C	1:E:146:LEU:CD1[2_657]	1.98	0.22
1:A:3:SER:CB	1:E:169:THR:C[2_657]	1.99	0.21
1:A:10:PRO:C	1:A:166:GLN:CA[2_757]	1.99	0.21
1:A:16:GLY:O	1:A:153:LEU:N[2_757]	1.99	0.21
1:A:28:LYS:C	1:E:176:LYS:CE[2_657]	1.99	0.21
1:A:33:LEU:N	1:E:174:ASP:CB[2_657]	1.99	0.21
1:A:33:LEU:C	1:E:174:ASP:CG[2_657]	1.99	0.21
1:A:44:ASP:CA	1:A:171:LYS:CA[2_757]	1.99	0.21
1:A:45:LEU:CA	1:A:155:LEU:N[2_757]	1.99	0.21
1:A:59:GLN:NE2	1:A:185:TYR:O[2_757]	1.99	0.21
1:A:93:TRP:O	1:A:144:ASP:C[2_757]	1.99	0.21
1:A:119:PRO:CA	1:C:42:TYR:N[2_858]	1.99	0.21
1:A:126:GLU:CB	1:C:338:TRP:CE3[2_858]	1.99	0.21
1:A:185:TYR:CD2	5:A:1111:HOH:O[2_757]	1.99	0.21
1:A:206:LYS:C	1:C:356:LYS:CD[2_858]	1.99	0.21
1:A:207:LEU:CD2	1:C:354:LEU:CA[2_858]	1.99	0.21
1:A:207:LEU:CB	1:C:353:ALA:C[2_858]	1.99	0.21
1:A:214:LYS:NZ	1:E:3:SER:CA[2_757]	1.99	0.21
1:A:219:LYS:N	1:E:37:ASP:OD2[2_757]	1.99	0.21
1:A:261:ILE:CG2	1:C:69:GLY:N[2_858]	1.99	0.21
1:A:306:GLU:CD	1:B:152:SER:CB[2_757]	1.99	0.21
1:A:317:HIS:CE1	1:F:67:LYS:O[2_657]	1.99	0.21
1:A:365:THR:O	1:F:59:GLN:CG[2_657]	1.99	0.21
1:A:369:VAL:N	1:F:58:THR:CG2[2_657]	1.99	0.21
1:A:369:VAL:CG2	1:F:61:ALA:N[2_657]	1.99	0.21
1:A:374:ILE:CB	1:F:100:ILE:CB[2_657]	1.99	0.21
1:A:378:ASP:CB	1:F:68:TYR:CD1[2_657]	1.99	0.21

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:381:LEU:CG	1:F:10:PRO:CA[2_657]	1.99	0.21
1:A:388:ARG:C	1:F:70:VAL:CG1[2_657]	1.99	0.21
1:A:392:VAL:CA	1:F:65:ILE:CG2[2_657]	1.99	0.21
1:A:397:PHE:N	1:F:104:LEU:CD1[2_657]	1.99	0.21
1:A:399:ASP:OD2	1:F:105:GLY:C[2_657]	1.99	0.21
1:F:67:LYS:CE	3:A:1101:NDP:C4A[2_657]	1.99	0.21
1:B:9:GLN:O	1:E:117:ARG:CZ[2_757]	1.99	0.21
1:B:19:MET:CG	1:C:237:TYR:CZ[2_858]	1.99	0.21
1:B:21:ARG:CG	1:C:235:ALA:CA[2_858]	1.99	0.21
1:B:26:LYS:CB	1:C:231:GLU:CB[2_858]	1.99	0.21
1:B:57:ILE:CG1	1:E:336:PHE:CG[2_757]	1.99	0.21
1:B:57:ILE:CA	1:E:336:PHE:CA[2_757]	1.99	0.21
1:B:59:GLN:CB	1:E:335:ILE:CG1[2_757]	1.99	0.21
1:B:60:ASP:CB	1:E:332:ILE:CA[2_757]	1.99	0.21
1:B:63:GLU:CB	1:E:397:PHE:CD2[2_757]	1.99	0.21
1:B:65:ILE:O	1:E:368:THR:CG2[2_757]	1.99	0.21
1:B:68:TYR:OH	1:E:118:ILE:CD1[2_757]	1.99	0.21
1:B:70:VAL:CB	1:E:372:ASP:OD1[2_757]	1.99	0.21
1:B:71:GLY:C	1:E:404:ARG:NE[2_757]	1.99	0.21
1:B:77:ILE:C	1:E:354:LEU:O[2_757]	1.99	0.21
1:B:87:PHE:N	1:E:347:GLU:C[2_757]	1.99	0.21
1:B:96:PRO:CD	1:E:357:PHE:CG[2_757]	1.99	0.21
1:B:98:GLY:C	1:E:31:LEU:C[2_757]	1.99	0.21
1:B:102:ASN:OD1	1:E:26:LYS:O[2_757]	1.99	0.21
1:B:104:LEU:CD1	1:E:401:VAL:N[2_757]	1.99	0.21
1:B:118:ILE:CG1	1:C:102:ASN:N[2_858]	1.99	0.21
1:B:118:ILE:CB	1:C:102:ASN:C[2_858]	1.99	0.21
1:B:118:ILE:CG1	1:C:101:ARG:C[2_858]	1.99	0.21
1:B:123:PRO:CA	1:C:61:ALA:CA[2_858]	1.99	0.21
1:B:140:TYR:CA	1:E:34:PRO:C[2_757]	1.99	0.21
1:B:285:GLN:CG	1:C:304:THR:CB[2_858]	1.99	0.21
1:B:306:GLU:O	1:E:407:LYS:CG[2_757]	1.99	0.21
1:B:310:ALA:N	1:E:410:LYS:C[2_757]	1.99	0.21
1:B:317:HIS:CD2	1:C:200:LYS:CB[2_858]	1.99	0.21
1:B:319:ARG:O	1:C:203:ILE:CG1[2_858]	1.99	0.21
1:B:322:GLN:C	1:C:241:PHE:C[2_858]	1.99	0.21
1:B:323:LYS:N	1:C:246:ILE:CD1[2_858]	1.99	0.21
1:B:326:GLU:OE1	1:C:269:MET:C[2_858]	1.99	0.21
1:B:357:PHE:CD1	1:D:148:PRO:CG[2_858]	1.99	0.21
1:B:363:SER:OG	1:D:175:TYR:CD1[2_858]	1.99	0.21
1:B:365:THR:C	1:C:187:THR:CG2[2_858]	1.99	0.21

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:403:LYS:NZ	1:C:218:LEU:CG[2_858]	1.99	0.21
1:B:407:LYS:CG	1:D:145:THR:N[2_858]	1.99	0.21
1:B:411:SER:CB	1:C:156:VAL:CA[2_858]	1.99	0.21
1:C:85:LYS:NZ	1:C:88:ASN:C[2_958]	1.99	0.21
1:C:325:GLU:C	5:C:1316:HOH:O[2_958]	1.99	0.21
1:C:388:ARG:NH1	1:C:388:ARG:NH1[2_958]	1.99	0.21
1:D:24:TRP:CZ3	1:E:267:PHE:N[2_757]	1.99	0.21
1:D:27:ILE:C	1:E:201:LEU:CD2[2_757]	1.99	0.21
1:D:34:PRO:N	1:E:109:PHE:O[2_757]	1.99	0.21
1:D:81:GLU:OE2	1:D:87:PHE:O[2_858]	1.99	0.21
1:D:105:GLY:CA	1:F:381:LEU:CA[2_757]	1.99	0.21
1:D:134:HIS:ND1	1:F:391:TYR:CG[2_757]	1.99	0.21
1:D:134:HIS:ND1	1:F:391:TYR:CZ[2_757]	1.99	0.21
1:D:196:HIS:ND1	1:F:332:ILE:CB[2_757]	1.99	0.21
1:D:198:SER:OG	1:F:317:HIS:ND1[2_757]	1.99	0.21
1:D:200:LYS:N	3:F:1601:NDP:N6A[2_757]	1.99	0.21
1:D:200:LYS:CE	1:F:291:GLY:O[2_757]	1.99	0.21
1:D:202:ALA:O	1:F:313:THR:OG1[2_757]	1.99	0.21
1:D:202:ALA:C	1:F:313:THR:CB[2_757]	1.99	0.21
1:D:206:LYS:N	1:F:313:THR:CG2[2_757]	1.99	0.21
1:D:225:PHE:CA	1:F:392:VAL:C[2_757]	1.99	0.21
1:D:230:GLN:CD	1:F:26:LYS:NZ[2_757]	1.99	0.21
1:D:230:GLN:N	1:F:395:GLU:C[2_757]	1.99	0.21
1:D:231:GLU:CB	1:F:398:LEU:N[2_757]	1.99	0.21
1:D:269:MET:CB	1:F:320:LYS:CG[2_757]	1.99	0.21
1:D:294:THR:N	1:E:249:GLU:CD[2_757]	1.99	0.21
1:D:294:THR:CA	1:E:210:PHE:CE2[2_757]	1.99	0.21
1:D:303:LYS:N	1:F:286:GLY:CA[2_757]	1.99	0.21
1:D:339:SER:CA	1:E:269:MET:C[2_757]	1.99	0.21
1:D:342:LEU:O	1:E:279:GLN:CG[2_757]	1.99	0.21
1:D:349:ASP:CG	1:E:282:ILE:CG1[2_757]	1.99	0.21
1:D:351:THR:OG1	1:E:278:VAL:O[2_757]	1.99	0.21
1:D:364:ALA:CB	1:E:194:PHE:O[2_757]	1.99	0.21
1:D:364:ALA:CA	1:E:195:ALA:CB[2_757]	1.99	0.21
1:D:364:ALA:CA	1:E:229:PHE:CE1[2_757]	1.99	0.21
1:D:364:ALA:CB	1:E:195:ALA:CA[2_757]	1.99	0.21
1:D:365:THR:CG2	1:E:199:PHE:CE1[2_757]	1.99	0.21
1:D:400:ALA:C	1:E:200:LYS:CE[2_757]	1.99	0.21
1:D:408:GLU:CG	1:E:191:ILE:O[2_757]	1.99	0.21
1:D:409:ILE:CB	1:E:135:ALA:N[2_757]	1.99	0.21
1:D:409:ILE:N	1:E:134:HIS:NE2[2_757]	1.99	0.21

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:49:SER:N	1:E:177:GLY:N[2_657]	1.99	0.21
1:E:51:ASP:O	1:E:175:TYR:CG[2_657]	1.99	0.21
1:E:52:ALA:N	1:E:175:TYR:CG[2_657]	1.99	0.21
1:E:53:THR:CG2	1:F:157:TYR:OH[2_657]	1.99	0.21
1:E:96:PRO:CB	1:F:164:THR:O[2_657]	1.99	0.21
1:E:99:THR:CB	1:F:166:GLN:CG[2_657]	1.99	0.21
1:A:2:PHE:CB	1:E:155:LEU:CD2[2_657]	2.00	0.20
1:A:13:GLU:CA	1:A:169:THR:OG1[2_757]	2.00	0.20
1:A:14:LEU:N	1:A:169:THR:CA[2_757]	2.00	0.20
1:A:30:LYS:O	5:F:1640:HOH:O[2_657]	2.00	0.20
1:A:34:PRO:N	1:E:174:ASP:CB[2_657]	2.00	0.20
1:A:34:PRO:N	1:E:173:TYR:C[2_657]	2.00	0.20
1:A:44:ASP:C	1:A:170:LEU:O[2_757]	2.00	0.20
1:A:44:ASP:OD2	1:A:171:LYS:CB[2_757]	2.00	0.20
1:A:45:LEU:N	1:A:155:LEU:N[2_757]	2.00	0.20
1:A:58:THR:C	1:B:182:MET:N[2_757]	2.00	0.20
1:A:64:ALA:N	1:B:147:ILE:CD1[2_757]	2.00	0.20
1:A:76:THR:N	1:B:157:TYR:N[2_757]	2.00	0.20
1:A:91:LYS:C	1:B:221:TYR:CE2[2_757]	2.00	0.20
1:A:99:THR:N	1:B:172:VAL:CA[2_757]	2.00	0.20
1:A:101:ARG:CD	1:B:171:LYS:CD[2_757]	2.00	0.20
1:A:104:LEU:CD1	1:B:152:SER:N[2_757]	2.00	0.20
1:A:113:ILE:CA	1:C:37:ASP:OD2[2_858]	2.00	0.20
1:A:129:ILE:CG1	5:C:1309:HOH:O[2_858]	2.00	0.20
1:A:215:ASN:C	1:E:6:LYS:N[2_757]	2.00	0.20
1:A:215:ASN:CG	1:E:6:LYS:CD[2_757]	2.00	0.20
1:A:216:THR:O	1:E:36:LEU:CA[2_757]	2.00	0.20
1:A:216:THR:CB	1:E:5:ILE:C[2_757]	2.00	0.20
1:A:217:ILE:CG1	1:E:4:LYS:CG[2_757]	2.00	0.20
1:A:267:PHE:CZ	1:C:346:GLY:N[2_858]	2.00	0.20
1:A:288:GLY:O	1:C:41:LYS:NZ[2_858]	2.00	0.20
1:A:317:HIS:CB	1:B:162:PRO:C[2_757]	2.00	0.20
1:A:317:HIS:C	1:B:162:PRO:C[2_757]	2.00	0.20
1:A:326:GLU:OE2	1:F:305:PHE:CZ[2_657]	2.00	0.20
1:A:328:SER:CA	1:F:66:LYS:C[2_657]	2.00	0.20
1:A:331:SER:OG	1:F:66:LYS:CD[2_657]	2.00	0.20
1:A:367:ASN:O	1:F:58:THR:CB[2_657]	2.00	0.20
1:A:369:VAL:CB	1:F:57:ILE:C[2_657]	2.00	0.20
1:A:369:VAL:O	1:F:45:LEU:CD1[2_657]	2.00	0.20
1:A:374:ILE:CG2	1:F:100:ILE:CD1[2_657]	2.00	0.20
1:A:375:MET:CA	1:F:61:ALA:C[2_657]	2.00	0.20

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:375:MET:CB	1:F:61:ALA:C[2_657]	2.00	0.20
1:A:383:CYS:N	1:F:41:LYS:CA[2_657]	2.00	0.20
1:A:389:SER:C	1:F:72:ILE:N[2_657]	2.00	0.20
1:A:397:PHE:CA	1:F:104:LEU:CG[2_657]	2.00	0.20
1:A:400:ALA:N	1:F:102:ASN:CA[2_657]	2.00	0.20
1:A:401:VAL:CB	1:F:103:ILE:CG1[2_657]	2.00	0.20
1:A:402:GLU:CA	1:F:102:ASN:ND2[2_657]	2.00	0.20
1:B:19:MET:SD	1:C:199:PHE:CD2[2_858]	2.00	0.20
1:B:56:LYS:CA	1:E:336:PHE:CA[2_757]	2.00	0.20
1:B:59:GLN:CG	1:E:334:SER:C[2_757]	2.00	0.20
1:B:62:ALA:CB	1:E:401:VAL:CB[2_757]	2.00	0.20
1:B:67:LYS:NZ	1:E:380:ALA:N[2_757]	2.00	0.20
1:B:68:TYR:CB	1:E:373:GLY:C[2_757]	2.00	0.20
1:B:78:THR:O	1:E:354:LEU:CA[2_757]	2.00	0.20
1:B:90:HIS:CD2	1:E:70:VAL:CG1[2_757]	2.00	0.20
1:B:93:TRP:CG	1:E:342:LEU:C[2_757]	2.00	0.20
1:B:101:ARG:CA	1:E:402:GLU:O[2_757]	2.00	0.20
1:B:104:LEU:C	1:E:399:ASP:C[2_757]	2.00	0.20
1:B:110:ARG:NH2	1:E:410:LYS:CG[2_757]	2.00	0.20
1:B:125:TRP:C	1:C:63:GLU:OE2[2_858]	2.00	0.20
1:B:285:GLN:NE2	1:C:304:THR:CA[2_858]	2.00	0.20
1:B:287:PHE:CD2	1:C:66:LYS:CE[2_858]	2.00	0.20
1:B:320:LYS:O	1:C:246:ILE:CD1[2_858]	2.00	0.20
1:B:326:GLU:C	1:C:209:LEU:CD1[2_858]	2.00	0.20
1:B:331:SER:CA	1:C:193:GLY:N[2_858]	2.00	0.20
1:B:351:THR:CA	1:C:163:THR:CG2[2_858]	2.00	0.20
1:B:358:ALA:C	1:D:150:PRO:CA[2_858]	2.00	0.20
1:B:358:ALA:C	1:D:149:GLY:CA[2_858]	2.00	0.20
1:B:375:MET:SD	1:C:135:ALA:CA[2_858]	2.00	0.20
1:B:378:ASP:CA	1:C:106:GLY:C[2_858]	2.00	0.20
1:B:384:GLY:C	1:C:101:ARG:NH2[2_858]	2.00	0.20
1:B:386:ASN:CA	1:C:110:ARG:CD[2_858]	2.00	0.20
1:B:392:VAL:CB	1:C:272:LYS:CA[2_858]	2.00	0.20
1:B:395:GLU:CG	1:C:248:TYR:OH[2_858]	2.00	0.20
1:B:399:ASP:CA	1:C:224:ARG:CA[2_858]	2.00	0.20
1:B:403:LYS:CE	1:C:218:LEU:CB[2_858]	2.00	0.20
1:D:2:PHE:CZ	1:E:100:ILE:CA[2_757]	2.00	0.20
1:D:5:ILE:CA	4:E:1502:AKG:O2[2_757]	2.00	0.20
1:D:11:VAL:O	1:E:287:PHE:CB[2_757]	2.00	0.20
1:D:13:GLU:OE2	1:E:128:PRO:CB[2_757]	2.00	0.20
1:D:31:LEU:CB	1:E:201:LEU:CD1[2_757]	2.00	0.20

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:34:PRO:C	1:E:296:ILE:N[2_757]	2.00	0.20
1:D:35:TYR:CD1	1:E:108:VAL:N[2_757]	2.00	0.20
1:D:39:ASP:OD1	1:E:292:LEU:CA[2_757]	2.00	0.20
1:D:65:ILE:CG1	1:E:124:ARG:O[2_757]	2.00	0.20
1:D:68:TYR:CE1	1:E:120:ARG:CB[2_757]	2.00	0.20
1:D:72:ILE:N	1:E:265:GLY:N[2_757]	2.00	0.20
1:D:109:PHE:CD2	3:F:1601:NDP:C2B[2_757]	2.00	0.20
1:D:130:ILE:CB	1:F:316:ARG:CB[2_757]	2.00	0.20
1:D:136:HIS:N	1:F:381:LEU:CG[2_757]	2.00	0.20
1:D:185:TYR:CA	1:F:389:SER:CB[2_757]	2.00	0.20
1:D:187:THR:N	1:F:390:ALA:C[2_757]	2.00	0.20
1:D:188:ASP:CB	1:F:374:ILE:N[2_757]	2.00	0.20
1:D:198:SER:CB	1:F:329:THR:CG2[2_757]	2.00	0.20
1:D:199:PHE:CZ	1:F:23:ILE:CD1[2_757]	2.00	0.20
1:D:204:ASP:CG	3:F:1601:NDP:C5N[2_757]	2.00	0.20
1:D:204:ASP:C	3:F:1601:NDP:C2N[2_757]	2.00	0.20
1:D:209:LEU:CG	1:F:19:MET:SD[2_757]	2.00	0.20
1:D:221:TYR:OH	1:F:388:ARG:C[2_757]	2.00	0.20
1:D:228:ILE:C	1:F:397:PHE:CB[2_757]	2.00	0.20
1:D:244:LEU:CD1	1:F:74:CYS:O[2_757]	2.00	0.20
1:D:244:LEU:C	1:F:16:GLY:CA[2_757]	2.00	0.20
1:D:249:GLU:C	1:F:321:TYR:CD1[2_757]	2.00	0.20
1:D:256:MET:CE	1:F:322:GLN:CA[2_757]	2.00	0.20
1:D:267:PHE:CG	1:F:322:GLN:NE2[2_757]	2.00	0.20
1:D:291:GLY:C	1:E:247:HIS:CA[2_757]	2.00	0.20
1:D:296:ILE:CB	1:E:259:GLN:OE1[2_757]	2.00	0.20
1:D:303:LYS:CE	1:F:125:TRP:CE3[2_757]	2.00	0.20
1:D:304:THR:CG2	1:F:121:LEU:CG[2_757]	2.00	0.20
1:D:304:THR:OG1	1:F:121:LEU:C[2_757]	2.00	0.20
1:D:329:THR:O	1:E:240:LYS:O[2_757]	2.00	0.20
1:D:337:ALA:C	1:E:267:PHE:CE1[2_757]	2.00	0.20
1:D:338:TRP:CA	1:E:267:PHE:O[2_757]	2.00	0.20
1:D:339:SER:CA	1:E:269:MET:CG[2_757]	2.00	0.20
1:D:339:SER:O	5:E:1532:HOH:O[2_757]	2.00	0.20
1:D:339:SER:C	1:E:269:MET:CE[2_757]	2.00	0.20
1:D:347:GLU:C	1:F:282:ILE:CD1[2_757]	2.00	0.20
1:D:358:ALA:C	1:E:270:ALA:O[2_757]	2.00	0.20
1:D:370:GLN:CA	1:E:232:VAL:N[2_757]	2.00	0.20
1:D:407:LYS:NZ	1:E:300:PRO:C[2_757]	2.00	0.20
1:D:408:GLU:O	1:E:134:HIS:ND1[2_757]	2.00	0.20
1:D:409:ILE:CA	1:E:136:HIS:N[2_757]	2.00	0.20

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:410:LYS:CG	1:E:105:GLY:CA[2_757]	2.00	0.20
1:E:235:ALA:O	5:D:1434:HOH:O[2_757]	2.00	0.20
1:E:47:VAL:O	1:E:178:SER:OG[2_657]	2.00	0.20
1:E:51:ASP:N	1:E:178:SER:CA[2_657]	2.00	0.20
1:E:55:ASP:C	1:F:157:TYR:OH[2_657]	2.00	0.20
1:E:56:LYS:CB	1:F:158:LYS:CA[2_657]	2.00	0.20
1:E:82:ALA:CA	1:F:227:ASP:CG[2_657]	2.00	0.20
1:E:85:LYS:CD	1:F:226:LYS:CA[2_657]	2.00	0.20
1:E:93:TRP:CE2	1:E:147:ILE:CB[2_657]	2.00	0.20
1:A:9:GLN:O	1:A:166:GLN:NE2[2_757]	2.01	0.19
1:A:15:ASP:C	1:A:154:GLU:CA[2_757]	2.01	0.19
1:A:19:MET:CE	1:B:162:PRO:CG[2_757]	2.01	0.19
1:A:43:TYR:N	1:A:170:LEU:N[2_757]	2.01	0.19
1:A:49:SER:CA	1:A:172:VAL:CG1[2_757]	2.01	0.19
1:A:50:ARG:CA	1:B:183:ALA:C[2_757]	2.01	0.19
1:A:55:ASP:O	1:B:182:MET:CG[2_757]	2.01	0.19
1:A:58:THR:N	1:B:182:MET:N[2_757]	2.01	0.19
1:A:65:ILE:C	1:B:149:GLY:O[2_757]	2.01	0.19
1:A:79:PRO:C	1:A:145:THR:CA[2_757]	2.01	0.19
1:A:89:LEU:CG	1:A:180:VAL:O[2_757]	2.01	0.19
1:A:89:LEU:CG	1:A:180:VAL:CG2[2_757]	2.01	0.19
1:A:91:LYS:N	1:B:221:TYR:CD2[2_757]	2.01	0.19
1:A:103:ILE:CB	1:B:173:TYR:CG[2_757]	2.01	0.19
1:A:123:PRO:CD	1:C:12:VAL:CA[2_858]	2.01	0.19
1:A:125:TRP:O	1:C:11:VAL:CB[2_858]	2.01	0.19
1:A:128:PRO:CB	1:C:7:VAL:CG2[2_858]	2.01	0.19
1:A:131:ILE:CG1	1:C:8:LYS:CE[2_858]	2.01	0.19
1:A:216:THR:C	1:E:5:ILE:C[2_757]	2.01	0.19
1:A:217:ILE:C	1:E:36:LEU:C[2_757]	2.01	0.19
1:A:219:LYS:CG	1:E:38:VAL:N[2_757]	2.01	0.19
1:A:219:LYS:N	1:E:37:ASP:C[2_757]	2.01	0.19
1:A:269:MET:CG	1:C:349:ASP:O[2_858]	2.01	0.19
1:A:312:GLY:O	1:B:167:PRO:CG[2_757]	2.01	0.19
1:A:314:VAL:N	1:B:167:PRO:CB[2_757]	2.01	0.19
1:A:317:HIS:CG	1:B:162:PRO:O[2_757]	2.01	0.19
1:A:326:GLU:N	1:F:303:LYS:N[2_657]	2.01	0.19
1:A:330:ASN:CB	1:F:63:GLU:O[2_657]	2.01	0.19
1:A:375:MET:CB	1:F:61:ALA:O[2_657]	2.01	0.19
1:A:378:ASP:OD1	1:F:64:ALA:CA[2_657]	2.01	0.19
1:A:395:GLU:OE2	1:F:301:ASP:CG[2_657]	2.01	0.19
1:B:21:ARG:CA	1:C:235:ALA:CB[2_858]	2.01	0.19

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:25:ASP:C	1:C:231:GLU:CD[2_858]	2.01	0.19
1:B:26:LYS:CB	1:C:227:ASP:O[2_858]	2.01	0.19
1:B:50:ARG:CD	1:E:358:ALA:C[2_757]	2.01	0.19
1:B:55:ASP:N	1:E:337:ALA:O[2_757]	2.01	0.19
1:B:57:ILE:C	1:E:336:PHE:CE1[2_757]	2.01	0.19
1:B:61:ALA:C	1:E:365:THR:O[2_757]	2.01	0.19
1:B:66:LYS:NZ	1:E:395:GLU:O[2_757]	2.01	0.19
1:B:76:THR:C	1:E:357:PHE:N[2_757]	2.01	0.19
1:B:77:ILE:N	1:E:357:PHE:N[2_757]	2.01	0.19
1:B:81:GLU:CA	1:E:8:LYS:CA[2_757]	2.01	0.19
1:B:83:ARG:NE	1:E:352:PRO:CG[2_757]	2.01	0.19
1:B:85:LYS:O	1:E:347:GLU:O[2_757]	2.01	0.19
1:B:85:LYS:CA	1:E:348:LEU:C[2_757]	2.01	0.19
1:B:93:TRP:CA	1:E:342:LEU:CG[2_757]	2.01	0.19
1:B:95:SER:CA	1:E:357:PHE:CG[2_757]	2.01	0.19
1:B:101:ARG:NH2	1:E:409:ILE:CB[2_757]	2.01	0.19
1:B:102:ASN:CB	1:E:30:LYS:O[2_757]	2.01	0.19
1:B:108:VAL:CG2	1:E:406:GLN:CB[2_757]	2.01	0.19
1:B:115:ILE:CG2	1:C:102:ASN:CG[2_858]	2.01	0.19
1:B:310:ALA:CA	1:E:410:LYS:CA[2_757]	2.01	0.19
1:B:320:LYS:CB	1:C:203:ILE:N[2_858]	2.01	0.19
1:B:322:GLN:O	1:C:241:PHE:CA[2_858]	2.01	0.19
1:B:327:THR:CA	1:C:198:SER:CB[2_858]	2.01	0.19
1:B:329:THR:CB	1:C:196:HIS:C[2_858]	2.01	0.19
1:B:332:ILE:CB	1:C:189:GLU:C[2_858]	2.01	0.19
1:B:359:ASN:CA	1:D:150:PRO:CB[2_858]	2.01	0.19
1:B:362:GLU:CG	1:D:176:LYS:CA[2_858]	2.01	0.19
1:B:367:ASN:OD1	1:D:173:TYR:CB[2_858]	2.01	0.19
1:B:383:CYS:CB	1:C:101:ARG:CG[2_858]	2.01	0.19
1:B:388:ARG:CD	1:C:131:ILE:CD1[2_858]	2.01	0.19
1:B:404:ARG:CG	1:D:181:ALA:CB[2_858]	2.01	0.19
1:B:409:ILE:N	1:C:168:GLN:CD[2_858]	2.01	0.19
1:B:410:LYS:CD	1:C:170:LEU:CD1[2_858]	2.01	0.19
1:C:325:GLU:CB	5:C:1316:HOH:O[2_958]	2.01	0.19
1:C:388:ARG:CG	1:C:392:VAL:CB[2_958]	2.01	0.19
1:D:6:LYS:O	1:E:281:ASP:OD1[2_757]	2.01	0.19
1:D:11:VAL:CA	1:E:287:PHE:CE1[2_757]	2.01	0.19
1:D:13:GLU:OE1	1:E:128:PRO:CG[2_757]	2.01	0.19
1:D:31:LEU:O	1:E:109:PHE:CG[2_757]	2.01	0.19
1:D:70:VAL:CA	1:E:125:TRP:NE1[2_757]	2.01	0.19
1:D:105:GLY:C	1:F:381:LEU:O[2_757]	2.01	0.19

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:134:HIS:NE2	1:F:377:LYS:CA[2_757]	2.01	0.19
1:D:188:ASP:CA	1:F:373:GLY:O[2_757]	2.01	0.19
1:D:197:SER:N	1:F:330:ASN:CB[2_757]	2.01	0.19
1:D:205:LYS:O	3:F:1601:NDP:C3D[2_757]	2.01	0.19
1:D:235:ALA:CB	1:F:31:LEU:CD1[2_757]	2.01	0.19
1:D:247:HIS:C	1:F:22:ILE:CG1[2_757]	2.01	0.19
1:D:266:GLY:N	1:F:319:ARG:CZ[2_757]	2.01	0.19
1:D:305:PHE:CD2	1:E:261:ILE:CG1[2_757]	2.01	0.19
1:D:333:ALA:CA	1:E:247:HIS:C[2_757]	2.01	0.19
1:D:354:LEU:N	1:E:274:TYR:O[2_757]	2.01	0.19
1:D:358:ALA:C	1:E:270:ALA:C[2_757]	2.01	0.19
1:D:371:GLN:N	1:E:231:GLU:CB[2_757]	2.01	0.19
1:D:375:MET:C	1:E:236:GLN:O[2_757]	2.01	0.19
1:D:375:MET:CE	1:E:235:ALA:CA[2_757]	2.01	0.19
1:D:376:THR:OG1	1:E:238:LYS:C[2_757]	2.01	0.19
1:D:379:LEU:CG	1:E:238:LYS:CA[2_757]	2.01	0.19
1:D:398:LEU:CD1	1:E:203:ILE:N[2_757]	2.01	0.19
1:D:398:LEU:CD2	1:E:200:LYS:C[2_757]	2.01	0.19
1:D:404:ARG:CD	1:E:192:GLU:C[2_757]	2.01	0.19
1:D:408:GLU:CG	1:E:190:SER:C[2_757]	2.01	0.19
1:E:43:TYR:CG	1:F:161:ASP:CB[2_657]	2.01	0.19
1:E:84:VAL:N	1:F:224:ARG:NH1[2_657]	2.01	0.19
1:E:90:HIS:CA	1:E:181:ALA:N[2_657]	2.01	0.19
1:E:91:LYS:CB	1:E:146:LEU:CA[2_657]	2.01	0.19
1:A:12:VAL:CB	1:A:167:PRO:C[2_757]	2.02	0.18
1:A:14:LEU:CD2	1:A:168:GLN:O[2_757]	2.02	0.18
1:A:17:ASP:C	1:B:158:LYS:CA[2_757]	2.02	0.18
1:A:44:ASP:O	1:A:172:VAL:CG2[2_757]	2.02	0.18
1:A:45:LEU:CA	1:A:172:VAL:CG2[2_757]	2.02	0.18
1:A:45:LEU:CB	1:A:154:GLU:O[2_757]	2.02	0.18
1:A:48:GLU:CA	1:B:185:TYR:CG[2_757]	2.02	0.18
1:A:49:SER:CB	1:A:172:VAL:CB[2_757]	2.02	0.18
1:A:59:GLN:C	1:B:181:ALA:C[2_757]	2.02	0.18
1:A:64:ALA:CA	1:B:147:ILE:CA[2_757]	2.02	0.18
1:A:66:LYS:O	1:B:149:GLY:N[2_757]	2.02	0.18
1:A:79:PRO:C	1:A:145:THR:O[2_757]	2.02	0.18
1:A:80:ASP:OD1	1:A:146:LEU:CD2[2_757]	2.02	0.18
1:A:90:HIS:C	1:B:225:PHE:CE1[2_757]	2.02	0.18
1:A:97:ASN:O	1:B:172:VAL:CA[2_757]	2.02	0.18
1:A:97:ASN:CA	1:B:171:LYS:CA[2_757]	2.02	0.18
1:A:100:ILE:CG2	1:B:153:LEU:CB[2_757]	2.02	0.18

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:129:ILE:CD1	1:C:345:ARG:CG[2_858]	2.02	0.18
1:A:208:ASN:N	1:C:352:PRO:CA[2_858]	2.02	0.18
1:A:208:ASN:C	1:C:352:PRO:CA[2_858]	2.02	0.18
1:A:215:ASN:CB	1:E:6:LYS:CB[2_757]	2.02	0.18
1:A:261:ILE:CD1	1:C:68:TYR:O[2_858]	2.02	0.18
1:A:262:LYS:CE	1:C:305:PHE:CD1[2_858]	2.02	0.18
1:A:263:SER:C	1:C:341:GLY:O[2_858]	2.02	0.18
1:A:317:HIS:C	1:B:162:PRO:CD[2_757]	2.02	0.18
1:A:328:SER:O	1:F:66:LYS:O[2_657]	2.02	0.18
1:A:332:ILE:CD1	1:F:60:ASP:N[2_657]	2.02	0.18
1:A:332:ILE:N	1:F:63:GLU:OE2[2_657]	2.02	0.18
1:A:365:THR:N	1:F:59:GLN:NE2[2_657]	2.02	0.18
1:A:366:LEU:CD2	1:F:56:LYS:O[2_657]	2.02	0.18
1:A:371:GLN:CB	1:F:50:ARG:NE[2_657]	2.02	0.18
1:A:376:THR:CA	1:F:65:ILE:CB[2_657]	2.02	0.18
1:A:378:ASP:O	1:F:41:LYS:CG[2_657]	2.02	0.18
1:A:388:ARG:CA	1:F:341:GLY:O[2_657]	2.02	0.18
1:A:390:ALA:C	1:F:71:GLY:CA[2_657]	2.02	0.18
1:A:393:THR:CB	1:F:299:THR:CG2[2_657]	2.02	0.18
1:A:403:LYS:NZ	1:F:140:TYR:CD2[2_657]	2.02	0.18
1:B:170:LEU:N	3:A:1101:NDP:C7N[2_757]	2.02	0.18
1:B:20:THR:CA	1:C:196:HIS:CE1[2_858]	2.02	0.18
1:B:26:LYS:CE	1:C:231:GLU:N[2_858]	2.02	0.18
1:B:40:LEU:CB	1:E:370:GLN:NE2[2_757]	2.02	0.18
1:B:41:LYS:CE	1:E:118:ILE:CG1[2_757]	2.02	0.18
1:B:50:ARG:NE	1:E:358:ALA:O[2_757]	2.02	0.18
1:B:54:SER:O	1:E:337:ALA:CA[2_757]	2.02	0.18
1:B:55:ASP:O	1:E:335:ILE:C[2_757]	2.02	0.18
1:B:64:ALA:N	1:E:397:PHE:CE1[2_757]	2.02	0.18
1:B:66:LYS:O	1:E:374:ILE:CB[2_757]	2.02	0.18
1:B:72:ILE:N	1:E:404:ARG:NH1[2_757]	2.02	0.18
1:B:76:THR:O	1:E:356:LYS:C[2_757]	2.02	0.18
1:B:83:ARG:NH2	1:E:352:PRO:CB[2_757]	2.02	0.18
1:B:88:ASN:CA	1:E:348:LEU:N[2_757]	2.02	0.18
1:B:91:LYS:CE	1:E:12:VAL:O[2_757]	2.02	0.18
1:B:98:GLY:O	1:E:30:LYS:C[2_757]	2.02	0.18
1:B:98:GLY:C	1:E:31:LEU:O[2_757]	2.02	0.18
1:B:101:ARG:NH2	1:E:406:GLN:O[2_757]	2.02	0.18
1:B:104:LEU:CG	1:E:402:GLU:N[2_757]	2.02	0.18
1:B:286:GLY:O	1:C:66:LYS:CG[2_858]	2.02	0.18
1:B:289:SER:N	1:C:299:THR:CB[2_858]	2.02	0.18

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:308:GLU:CB	1:E:408:GLU:N[2_757]	2.02	0.18
1:B:323:LYS:CA	1:C:246:ILE:N[2_858]	2.02	0.18
1:B:328:SER:CA	1:C:198:SER:CB[2_858]	2.02	0.18
1:B:356:LYS:CG	1:C:159:PRO:O[2_858]	2.02	0.18
1:B:364:ALA:N	1:D:175:TYR:CG[2_858]	2.02	0.18
1:B:369:VAL:C	1:C:137:GLY:C[2_858]	2.02	0.18
1:B:370:GLN:O	1:C:141:LYS:O[2_858]	2.02	0.18
1:B:376:THR:C	1:C:134:HIS:CA[2_858]	2.02	0.18
1:B:378:ASP:CB	1:C:298:VAL:O[2_858]	2.02	0.18
1:B:391:TYR:CE2	1:C:131:ILE:C[2_858]	2.02	0.18
1:B:392:VAL:CB	1:C:271:LEU:C[2_858]	2.02	0.18
1:B:397:PHE:CB	1:C:225:PHE:CE2[2_858]	2.02	0.18
1:B:408:GLU:OE1	1:D:153:LEU:CG[2_858]	2.02	0.18
1:E:409:ILE:CA	3:B:1201:NDP:N7N[2_757]	2.02	0.18
1:E:409:ILE:CB	4:B:1202:AKG:O1[2_757]	2.02	0.18
1:D:2:PHE:C	1:E:306:GLU:CD[2_757]	2.02	0.18
1:D:7:VAL:CA	1:E:281:ASP:N[2_757]	2.02	0.18
1:D:8:LYS:CB	1:F:258:ALA:CB[2_757]	2.02	0.18
1:D:11:VAL:CB	1:E:287:PHE:CD1[2_757]	2.02	0.18
1:D:36:LEU:O	1:E:295:SER:CB[2_757]	2.02	0.18
1:D:70:VAL:C	1:E:125:TRP:CD1[2_757]	2.02	0.18
1:D:111:GLU:O	1:E:249:GLU:OE1[2_757]	2.02	0.18
1:D:118:ILE:CA	1:E:234:GLU:OE2[2_757]	2.02	0.18
1:D:126:GLU:OE2	1:F:85:LYS:CG[2_757]	2.02	0.18
1:D:134:HIS:C	1:F:377:LYS:NZ[2_757]	2.02	0.18
1:D:185:TYR:CB	1:F:389:SER:OG[2_757]	2.02	0.18
1:D:186:ASN:CG	1:F:391:TYR:N[2_757]	2.02	0.18
1:D:213:THR:OG1	1:F:326:GLU:OE1[2_757]	2.02	0.18
1:D:232:VAL:CG2	1:F:397:PHE:CG[2_757]	2.02	0.18
1:D:234:GLU:CG	1:F:26:LYS:CA[2_757]	2.02	0.18
1:D:235:ALA:N	1:F:31:LEU:CD1[2_757]	2.02	0.18
1:D:237:TYR:CD2	1:F:334:SER:CA[2_757]	2.02	0.18
1:D:244:LEU:CD2	1:F:76:THR:CA[2_757]	2.02	0.18
1:D:248:TYR:N	1:F:22:ILE:N[2_757]	2.02	0.18
1:D:248:TYR:CZ	1:F:395:GLU:OE2[2_757]	2.02	0.18
1:D:252:LEU:O	1:F:324:GLY:C[2_757]	2.02	0.18
1:D:268:ILE:CD1	1:F:315:THR:CA[2_757]	2.02	0.18
1:D:297:LEU:O	1:E:262:LYS:CD[2_757]	2.02	0.18
1:D:303:LYS:CD	1:F:287:PHE:CB[2_757]	2.02	0.18
1:D:307:SER:C	1:E:267:PHE:CE2[2_757]	2.02	0.18
1:D:329:THR:C	1:E:241:PHE:CA[2_757]	2.02	0.18

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:335:ILE:CD1	1:E:198:SER:O[2_757]	2.02	0.18
1:D:336:PHE:CG	1:E:209:LEU:C[2_757]	2.02	0.18
1:D:336:PHE:CE1	1:E:248:TYR:CD1[2_757]	2.02	0.18
1:D:338:TRP:C	1:E:269:MET:N[2_757]	2.02	0.18
1:D:351:THR:C	1:E:278:VAL:CA[2_757]	2.02	0.18
1:D:352:PRO:O	1:E:274:TYR:CB[2_757]	2.02	0.18
1:D:357:PHE:O	1:E:271:LEU:N[2_757]	2.02	0.18
1:D:359:ASN:OD1	5:E:1517:HOH:O[2_757]	2.02	0.18
1:D:359:ASN:OD1	1:E:212:SER:O[2_757]	2.02	0.18
1:D:366:LEU:CG	1:E:248:TYR:CZ[2_757]	2.02	0.18
1:D:376:THR:CG2	1:E:240:LYS:C[2_757]	2.02	0.18
1:D:397:PHE:CG	1:E:237:TYR:CG[2_757]	2.02	0.18
1:D:398:LEU:CB	1:E:200:LYS:CA[2_757]	2.02	0.18
1:D:398:LEU:CG	1:E:203:ILE:CB[2_757]	2.02	0.18
1:D:401:VAL:N	1:E:196:HIS:C[2_757]	2.02	0.18
1:D:408:GLU:CA	1:E:190:SER:C[2_757]	2.02	0.18
1:E:50:ARG:N	1:E:149:GLY:C[2_657]	2.02	0.18
1:E:50:ARG:CA	1:E:149:GLY:O[2_657]	2.02	0.18
1:E:51:ASP:CG	1:E:179:GLY:N[2_657]	2.02	0.18
1:E:53:THR:CB	1:E:151:GLY:CA[2_657]	2.02	0.18
1:E:57:ILE:O	1:F:161:ASP:C[2_657]	2.02	0.18
1:A:2:PHE:C	1:E:154:GLU:C[2_657]	2.03	0.17
1:A:2:PHE:O	1:E:154:GLU:C[2_657]	2.03	0.17
1:A:10:PRO:O	1:A:166:GLN:N[2_757]	2.03	0.17
1:A:34:PRO:C	1:E:174:ASP:N[2_657]	2.03	0.17
1:A:45:LEU:CD2	1:A:155:LEU:CA[2_757]	2.03	0.17
1:A:50:ARG:O	1:B:184:MET:C[2_757]	2.03	0.17
1:A:59:GLN:CG	1:A:184:MET:O[2_757]	2.03	0.17
1:A:60:ASP:OD2	1:B:144:ASP:CB[2_757]	2.03	0.17
1:A:67:LYS:CG	1:B:148:PRO:CA[2_757]	2.03	0.17
1:A:86:GLU:CA	1:A:178:SER:CB[2_757]	2.03	0.17
1:A:87:PHE:O	1:B:186:ASN:C[2_757]	2.03	0.17
1:A:92:MET:CA	1:B:221:TYR:C[2_757]	2.03	0.17
1:A:100:ILE:O	1:B:173:TYR:CB[2_757]	2.03	0.17
1:A:104:LEU:O	1:B:174:ASP:O[2_757]	2.03	0.17
1:A:121:LEU:CA	1:C:41:LYS:CB[2_858]	2.03	0.17
1:A:123:PRO:CB	1:C:12:VAL:O[2_858]	2.03	0.17
1:A:127:LYS:C	1:C:7:VAL:CG2[2_858]	2.03	0.17
1:A:160:SER:C	1:A:305:PHE:CD2[2_757]	2.03	0.17
1:A:217:ILE:C	1:E:37:ASP:N[2_757]	2.03	0.17
1:A:220:LYS:CE	1:E:39:ASP:OD1[2_757]	2.03	0.17

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:262:LYS:CA	1:C:305:PHE:N[2_858]	2.03	0.17
1:A:267:PHE:CE2	1:C:345:ARG:N[2_858]	2.03	0.17
1:A:287:PHE:CZ	1:C:7:VAL:CG1[2_858]	2.03	0.17
1:A:320:LYS:CE	1:B:163:THR:CG2[2_757]	2.03	0.17
1:A:325:GLU:O	1:F:303:LYS:CG[2_657]	2.03	0.17
1:A:328:SER:O	1:F:68:TYR:N[2_657]	2.03	0.17
1:A:366:LEU:O	1:F:55:ASP:O[2_657]	2.03	0.17
1:A:366:LEU:O	1:F:58:THR:CA[2_657]	2.03	0.17
1:A:367:ASN:CA	1:F:58:THR:OG1[2_657]	2.03	0.17
1:A:377:LYS:N	1:F:65:ILE:CA[2_657]	2.03	0.17
1:A:378:ASP:CB	1:F:68:TYR:CZ[2_657]	2.03	0.17
1:A:385:ASN:O	1:F:11:VAL:O[2_657]	2.03	0.17
1:A:385:ASN:OD1	1:F:13:GLU:OE1[2_657]	2.03	0.17
1:A:401:VAL:CA	1:F:99:THR:O[2_657]	2.03	0.17
1:B:12:VAL:CB	1:E:366:LEU:C[2_757]	2.03	0.17
1:B:12:VAL:N	1:E:370:GLN:N[2_757]	2.03	0.17
1:B:14:LEU:CB	1:E:363:SER:N[2_757]	2.03	0.17
1:B:39:ASP:OD1	1:E:117:ARG:CA[2_757]	2.03	0.17
1:B:51:ASP:OD2	1:E:344:LYS:CB[2_757]	2.03	0.17
1:B:53:THR:O	1:E:307:SER:OG[2_757]	2.03	0.17
1:B:61:ALA:C	1:E:365:THR:C[2_757]	2.03	0.17
1:B:66:LYS:NZ	1:E:396:GLU:O[2_757]	2.03	0.17
1:B:67:LYS:N	1:E:374:ILE:C[2_757]	2.03	0.17
1:B:68:TYR:O	1:E:373:GLY:N[2_757]	2.03	0.17
1:B:91:LYS:O	1:E:345:ARG:CG[2_757]	2.03	0.17
1:B:93:TRP:NE1	1:E:342:LEU:C[2_757]	2.03	0.17
1:B:94:LYS:O	1:E:342:LEU:CD1[2_757]	2.03	0.17
1:B:95:SER:OG	1:E:357:PHE:CD1[2_757]	2.03	0.17
1:B:97:ASN:CG	1:E:409:ILE:CG1[2_757]	2.03	0.17
1:B:101:ARG:NH1	1:E:35:TYR:CE2[2_757]	2.03	0.17
1:B:119:PRO:CB	1:C:100:ILE:CG1[2_858]	2.03	0.17
1:B:120:ARG:CB	1:C:62:ALA:O[2_858]	2.03	0.17
1:B:290:LEU:CA	1:C:301:ASP:CG[2_858]	2.03	0.17
1:B:317:HIS:CG	1:C:197:SER:O[2_858]	2.03	0.17
1:B:321:TYR:CE2	1:C:238:LYS:CA[2_858]	2.03	0.17
1:B:328:SER:C	1:C:198:SER:OG[2_858]	2.03	0.17
1:B:331:SER:N	1:C:192:GLU:CA[2_858]	2.03	0.17
1:B:355:CYS:CA	1:C:161:ASP:CB[2_858]	2.03	0.17
1:B:359:ASN:C	1:D:150:PRO:CA[2_858]	2.03	0.17
1:B:364:ALA:CB	1:D:147:ILE:CG1[2_858]	2.03	0.17
1:B:368:THR:C	1:C:138:ASP:N[2_858]	2.03	0.17

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:371:GLN:N	1:C:141:LYS:O[2_858]	2.03	0.17
1:B:373:GLY:C	1:C:138:ASP:CB[2_858]	2.03	0.17
1:B:376:THR:O	1:C:133:ARG:O[2_858]	2.03	0.17
1:B:380:ALA:C	1:C:108:VAL:CB[2_858]	2.03	0.17
1:B:382:ALA:N	1:C:297:LEU:CD2[2_858]	2.03	0.17
1:B:386:ASN:OD1	1:C:296:ILE:N[2_858]	2.03	0.17
1:B:386:ASN:N	1:C:295:SER:OG[2_858]	2.03	0.17
1:B:389:SER:CA	1:C:275:ASP:O[2_858]	2.03	0.17
1:B:391:TYR:N	1:C:133:ARG:CG[2_858]	2.03	0.17
1:B:393:THR:OG1	1:C:211:LEU:CD1[2_858]	2.03	0.17
1:B:407:LYS:CA	1:D:145:THR:CB[2_858]	2.03	0.17
1:C:325:GLU:CG	1:C:329:THR:OG1[2_958]	2.03	0.17
1:C:326:GLU:OE1	1:C:377:LYS:CB[2_958]	2.03	0.17
1:D:2:PHE:N	1:E:297:LEU:CD2[2_757]	2.03	0.17
1:D:2:PHE:CE1	1:E:99:THR:O[2_757]	2.03	0.17
1:D:6:LYS:CE	1:E:311:HIS:CA[2_757]	2.03	0.17
1:D:41:LYS:C	1:E:114:VAL:CG1[2_757]	2.03	0.17
1:D:43:TYR:CD1	1:E:120:ARG:CZ[2_757]	2.03	0.17
1:D:70:VAL:O	1:E:125:TRP:CZ3[2_757]	2.03	0.17
1:D:127:LYS:CD	1:F:86:GLU:CD[2_757]	2.03	0.17
1:D:136:HIS:CG	1:F:385:ASN:C[2_757]	2.03	0.17
1:D:137:GLY:O	1:F:386:ASN:O[2_757]	2.03	0.17
1:D:189:GLU:OE2	1:F:118:ILE:CD1[2_757]	2.03	0.17
1:D:199:PHE:O	1:F:20:THR:CG2[2_757]	2.03	0.17
1:D:228:ILE:O	1:F:397:PHE:CB[2_757]	2.03	0.17
1:D:234:GLU:CB	1:F:26:LYS:C[2_757]	2.03	0.17
1:D:235:ALA:C	1:F:335:ILE:CG1[2_757]	2.03	0.17
1:D:237:TYR:CB	1:F:334:SER:CB[2_757]	2.03	0.17
1:D:239:SER:N	1:F:24:TRP:CG[2_757]	2.03	0.17
1:D:239:SER:CA	1:F:24:TRP:NE1[2_757]	2.03	0.17
1:D:243:GLN:C	1:F:15:ASP:N[2_757]	2.03	0.17
1:D:245:GLY:CA	1:F:16:GLY:O[2_757]	2.03	0.17
1:D:251:ARG:NH1	1:F:322:GLN:C[2_757]	2.03	0.17
1:D:256:MET:O	1:F:323:LYS:CG[2_757]	2.03	0.17
1:D:268:ILE:CA	1:F:318:TYR:N[2_757]	2.03	0.17
1:D:269:MET:N	1:F:317:HIS:C[2_757]	2.03	0.17
1:D:271:LEU:CB	1:F:320:LYS:CE[2_757]	2.03	0.17
1:D:299:THR:OG1	1:F:121:LEU:CD1[2_757]	2.03	0.17
1:D:301:ASP:CA	5:F:1642:HOH:O[2_757]	2.03	0.17
1:D:301:ASP:C	1:F:289:SER:N[2_757]	2.03	0.17
1:D:303:LYS:N	1:F:285:GLN:CA[2_757]	2.03	0.17

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:306:GLU:N	1:E:263:SER:CA[2_757]	2.03	0.17
1:D:329:THR:OG1	1:E:243:GLN:C[2_757]	2.03	0.17
1:D:330:ASN:ND2	1:E:241:PHE:CD1[2_757]	2.03	0.17
1:D:340:ARG:CZ	1:E:251:ARG:N[2_757]	2.03	0.17
1:D:344:LYS:CA	1:E:257:VAL:CB[2_757]	2.03	0.17
1:D:349:ASP:CB	1:E:282:ILE:CG1[2_757]	2.03	0.17
1:D:351:THR:CB	1:E:278:VAL:O[2_757]	2.03	0.17
1:D:367:ASN:CG	1:E:228:ILE:C[2_757]	2.03	0.17
1:D:368:THR:C	1:E:232:VAL:C[2_757]	2.03	0.17
1:D:369:VAL:CG1	1:E:234:GLU:CA[2_757]	2.03	0.17
1:D:397:PHE:CD1	1:E:237:TYR:CD1[2_757]	2.03	0.17
1:D:409:ILE:N	1:E:134:HIS:CD2[2_757]	2.03	0.17
1:D:411:SER:CB	1:E:136:HIS:CG[2_757]	2.03	0.17
1:E:237:TYR:CB	5:D:1420:HOH:O[2_757]	2.03	0.17
1:E:56:LYS:O	1:F:159:PRO:CD[2_657]	2.03	0.17
1:E:86:GLU:OE1	1:F:231:GLU:OE1[2_657]	2.03	0.17
1:E:91:LYS:CD	1:E:145:THR:OG1[2_657]	2.03	0.17
1:E:91:LYS:N	1:E:180:VAL:CA[2_657]	2.03	0.17
1:A:12:VAL:C	1:A:167:PRO:CA[2_757]	2.04	0.16
1:A:13:GLU:CA	1:A:168:GLN:O[2_757]	2.04	0.16
1:A:13:GLU:C	1:A:169:THR:CB[2_757]	2.04	0.16
1:A:29:LYS:CE	1:E:176:LYS:C[2_657]	2.04	0.16
1:A:34:PRO:CB	1:E:173:TYR:C[2_657]	2.04	0.16
1:A:45:LEU:CG	1:A:155:LEU:C[2_757]	2.04	0.16
1:A:46:SER:CB	1:A:173:TYR:O[2_757]	2.04	0.16
1:A:48:GLU:CD	1:A:173:TYR:CG[2_757]	2.04	0.16
1:A:48:GLU:CA	1:A:173:TYR:CB[2_757]	2.04	0.16
1:A:50:ARG:CA	1:B:184:MET:N[2_757]	2.04	0.16
1:A:51:ASP:CB	1:B:185:TYR:CB[2_757]	2.04	0.16
1:A:59:GLN:OE1	1:A:185:TYR:C[2_757]	2.04	0.16
1:A:60:ASP:N	1:B:181:ALA:CB[2_757]	2.04	0.16
1:A:65:ILE:CD1	1:A:157:TYR:CG[2_757]	2.04	0.16
1:A:74:CYS:N	5:B:1213:HOH:O[2_757]	2.04	0.16
1:A:77:ILE:C	1:A:145:THR:CG2[2_757]	2.04	0.16
1:A:81:GLU:OE1	1:B:227:ASP:CG[2_757]	2.04	0.16
1:A:85:LYS:CB	1:B:188:ASP:OD1[2_757]	2.04	0.16
1:A:86:GLU:CD	1:A:178:SER:CA[2_757]	2.04	0.16
1:A:87:PHE:CD2	1:A:175:TYR:CE2[2_757]	2.04	0.16
1:A:89:LEU:N	1:B:187:THR:N[2_757]	2.04	0.16
1:A:90:HIS:N	1:B:186:ASN:CB[2_757]	2.04	0.16
1:A:97:ASN:CG	1:B:170:LEU:CA[2_757]	2.04	0.16

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:103:ILE:CG2	1:B:175:TYR:CG[2_757]	2.04	0.16
1:A:122:VAL:C	1:C:12:VAL:CG2[2_858]	2.04	0.16
1:A:146:LEU:O	5:A:1113:HOH:O[2_757]	2.04	0.16
1:A:149:GLY:CA	1:A:319:ARG:CZ[2_757]	2.04	0.16
1:A:160:SER:O	1:A:305:PHE:CE2[2_757]	2.04	0.16
1:A:163:THR:CA	1:A:349:ASP:OD1[2_757]	2.04	0.16
1:A:206:LYS:C	1:C:356:LYS:CB[2_858]	2.04	0.16
1:A:217:ILE:O	1:E:37:ASP:N[2_757]	2.04	0.16
1:A:246:ILE:CD1	1:C:356:LYS:CE[2_858]	2.04	0.16
1:A:262:LYS:CD	1:C:305:PHE:CG[2_858]	2.04	0.16
1:A:262:LYS:CB	1:C:305:PHE:CD2[2_858]	2.04	0.16
1:A:268:ILE:CG2	1:C:350:ASN:O[2_858]	2.04	0.16
1:A:287:PHE:C	1:C:39:ASP:CB[2_858]	2.04	0.16
1:A:318:TYR:CA	1:B:162:PRO:N[2_757]	2.04	0.16
1:A:329:THR:N	1:F:67:LYS:N[2_657]	2.04	0.16
1:A:366:LEU:C	1:F:55:ASP:C[2_657]	2.04	0.16
1:A:391:TYR:CE1	1:F:70:VAL:CB[2_657]	2.04	0.16
1:A:399:ASP:CB	1:F:101:ARG:C[2_657]	2.04	0.16
1:A:399:ASP:CA	1:F:102:ASN:O[2_657]	2.04	0.16
1:A:402:GLU:N	1:F:102:ASN:CB[2_657]	2.04	0.16
1:A:404:ARG:CG	1:F:99:THR:OG1[2_657]	2.04	0.16
1:A:404:ARG:NH2	1:F:94:LYS:C[2_657]	2.04	0.16
1:A:406:GLN:CG	1:F:141:LYS:CD[2_657]	2.04	0.16
1:B:170:LEU:CD2	4:A:1102:AKG:C4[2_757]	2.04	0.16
1:B:14:LEU:CB	1:E:364:ALA:N[2_757]	2.04	0.16
1:B:19:MET:SD	1:C:237:TYR:CD1[2_858]	2.04	0.16
1:B:43:TYR:CD2	1:E:366:LEU:CG[2_757]	2.04	0.16
1:B:45:LEU:CD1	1:E:361:LEU:O[2_757]	2.04	0.16
1:B:50:ARG:CA	1:E:340:ARG:N[2_757]	2.04	0.16
1:B:50:ARG:CA	1:E:340:ARG:CA[2_757]	2.04	0.16
1:B:50:ARG:CD	1:E:358:ALA:O[2_757]	2.04	0.16
1:B:54:SER:CA	1:E:337:ALA:O[2_757]	2.04	0.16
1:B:57:ILE:CD1	1:E:336:PHE:CD2[2_757]	2.04	0.16
1:B:59:GLN:C	1:E:335:ILE:CD1[2_757]	2.04	0.16
1:B:67:LYS:O	1:E:374:ILE:CA[2_757]	2.04	0.16
1:B:68:TYR:CA	1:E:374:ILE:CA[2_757]	2.04	0.16
1:B:68:TYR:CB	1:E:373:GLY:CA[2_757]	2.04	0.16
1:B:73:LYS:CB	1:E:408:GLU:OE2[2_757]	2.04	0.16
1:B:76:THR:CA	1:E:356:LYS:C[2_757]	2.04	0.16
1:B:77:ILE:CG2	1:E:355:CYS:N[2_757]	2.04	0.16
1:B:77:ILE:N	1:E:356:LYS:O[2_757]	2.04	0.16

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:82:ALA:O	1:E:350:ASN:O[2_757]	2.04	0.16
1:B:89:LEU:C	1:E:344:LYS:C[2_757]	2.04	0.16
1:B:91:LYS:C	1:E:345:ARG:CG[2_757]	2.04	0.16
1:B:92:MET:N	1:E:345:ARG:CD[2_757]	2.04	0.16
1:B:95:SER:N	1:E:36:LEU:CD1[2_757]	2.04	0.16
1:B:95:SER:O	1:E:357:PHE:CE2[2_757]	2.04	0.16
1:B:96:PRO:O	1:E:405:LEU:CD1[2_757]	2.04	0.16
1:B:102:ASN:OD1	1:E:30:LYS:CA[2_757]	2.04	0.16
1:B:103:ILE:O	1:E:398:LEU:O[2_757]	2.04	0.16
1:B:122:VAL:N	1:C:65:ILE:CB[2_858]	2.04	0.16
1:B:311:HIS:N	1:E:411:SER:CA[2_757]	2.04	0.16
1:B:317:HIS:CG	1:C:196:HIS:O[2_858]	2.04	0.16
1:B:319:ARG:C	1:C:203:ILE:CA[2_858]	2.04	0.16
1:B:322:GLN:N	1:C:241:PHE:CB[2_858]	2.04	0.16
1:B:329:THR:O	1:C:194:PHE:CA[2_858]	2.04	0.16
1:B:329:THR:OG1	1:C:195:ALA:C[2_858]	2.04	0.16
1:B:331:SER:CB	1:C:191:ILE:C[2_858]	2.04	0.16
1:B:357:PHE:O	1:D:149:GLY:C[2_858]	2.04	0.16
1:B:360:ILE:CA	1:D:149:GLY:O[2_858]	2.04	0.16
1:B:365:THR:CG2	1:C:188:ASP:N[2_858]	2.04	0.16
1:B:370:GLN:OE1	1:C:141:LYS:CE[2_858]	2.04	0.16
1:B:375:MET:CA	1:C:134:HIS:CB[2_858]	2.04	0.16
1:B:382:ALA:N	1:C:297:LEU:CB[2_858]	2.04	0.16
1:B:383:CYS:C	1:C:101:ARG:CZ[2_858]	2.04	0.16
1:B:388:ARG:CG	1:C:131:ILE:CA[2_858]	2.04	0.16
1:B:389:SER:N	1:C:276:GLY:O[2_858]	2.04	0.16
1:E:405:LEU:C	5:B:1216:HOH:O[2_757]	2.04	0.16
1:C:85:LYS:NZ	1:C:87:PHE:C[2_958]	2.04	0.16
1:C:388:ARG:NE	1:C:391:TYR:O[2_958]	2.04	0.16
1:D:4:LYS:CD	1:E:295:SER:CB[2_757]	2.04	0.16
1:D:9:GLN:C	1:E:285:GLN:CB[2_757]	2.04	0.16
1:D:9:GLN:OE1	1:E:285:GLN:OE1[2_757]	2.04	0.16
1:D:24:TRP:CZ2	1:E:128:PRO:O[2_757]	2.04	0.16
1:D:35:TYR:CG	1:E:108:VAL:CB[2_757]	2.04	0.16
1:D:65:ILE:O	1:E:122:VAL:CG1[2_757]	2.04	0.16
1:D:72:ILE:C	1:E:265:GLY:O[2_757]	2.04	0.16
1:D:106:GLY:O	1:F:381:LEU:CD1[2_757]	2.04	0.16
1:D:132:GLY:CA	1:F:317:HIS:CD2[2_757]	2.04	0.16
1:D:188:ASP:CB	1:F:373:GLY:C[2_757]	2.04	0.16
1:D:191:ILE:CG2	1:F:392:VAL:CA[2_757]	2.04	0.16
1:D:211:LEU:CD2	1:F:327:THR:O[2_757]	2.04	0.16

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:228:ILE:N	1:F:396:GLU:CB[2_757]	2.04	0.16
1:D:229:PHE:CE2	1:F:328:SER:C[2_757]	2.04	0.16
1:D:241:PHE:CD2	1:F:20:THR:O[2_757]	2.04	0.16
1:D:244:LEU:CD2	1:F:76:THR:N[2_757]	2.04	0.16
1:D:256:MET:CE	1:F:323:LYS:CA[2_757]	2.04	0.16
1:D:268:ILE:CG1	1:F:316:ARG:N[2_757]	2.04	0.16
1:D:268:ILE:CG2	1:F:314:VAL:O[2_757]	2.04	0.16
1:D:296:ILE:O	1:E:259:GLN:CD[2_757]	2.04	0.16
1:D:299:THR:O	1:F:285:GLN:NE2[2_757]	2.04	0.16
1:D:303:LYS:CA	1:F:285:GLN:C[2_757]	2.04	0.16
1:D:303:LYS:CG	1:F:286:GLY:CA[2_757]	2.04	0.16
1:D:329:THR:CA	1:E:244:LEU:N[2_757]	2.04	0.16
1:D:336:PHE:CE2	1:E:211:LEU:N[2_757]	2.04	0.16
1:D:336:PHE:O	1:E:210:PHE:CG[2_757]	2.04	0.16
1:D:338:TRP:CG	1:E:268:ILE:N[2_757]	2.04	0.16
1:D:343:LEU:CD1	1:E:212:SER:OG[2_757]	2.04	0.16
1:D:356:LYS:CA	1:E:272:LYS:C[2_757]	2.04	0.16
1:D:362:GLU:OE1	1:E:211:LEU:CA[2_757]	2.04	0.16
1:D:363:SER:C	1:E:229:PHE:CG[2_757]	2.04	0.16
1:D:366:LEU:CA	1:E:229:PHE:CA[2_757]	2.04	0.16
1:D:375:MET:C	1:E:237:TYR:N[2_757]	2.04	0.16
1:D:407:LYS:CD	1:E:300:PRO:CB[2_757]	2.04	0.16
1:E:48:GLU:C	1:E:177:GLY:O[2_657]	2.04	0.16
1:E:51:ASP:CA	1:E:179:GLY:N[2_657]	2.04	0.16
1:E:53:THR:CB	1:E:150:PRO:O[2_657]	2.04	0.16
1:E:54:SER:C	1:F:157:TYR:CZ[2_657]	2.04	0.16
1:E:55:ASP:CG	5:F:1620:HOH:O[2_657]	2.04	0.16
1:E:59:GLN:O	1:F:162:PRO:CG[2_657]	2.04	0.16
1:E:61:ALA:C	1:F:163:THR:CB[2_657]	2.04	0.16
1:E:86:GLU:O	1:F:228:ILE:CG2[2_657]	2.04	0.16
1:E:86:GLU:N	1:F:228:ILE:CA[2_657]	2.04	0.16
1:E:90:HIS:C	1:E:181:ALA:N[2_657]	2.04	0.16
1:E:99:THR:CG2	1:F:166:GLN:OE1[2_657]	2.04	0.16
1:E:99:THR:C	1:F:166:GLN:CD[2_657]	2.04	0.16
1:A:18:GLU:OE1	1:B:157:TYR:CD2[2_757]	2.05	0.15
1:A:43:TYR:CA	1:A:170:LEU:N[2_757]	2.05	0.15
1:A:43:TYR:N	1:A:170:LEU:CG[2_757]	2.05	0.15
1:A:51:ASP:O	1:B:138:ASP:CA[2_757]	2.05	0.15
1:A:53:THR:O	1:B:142:ALA:CB[2_757]	2.05	0.15
1:A:63:GLU:CD	1:B:179:GLY:CA[2_757]	2.05	0.15
1:A:66:LYS:CD	1:B:177:GLY:C[2_757]	2.05	0.15

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:66:LYS:CE	1:B:177:GLY:O[2_757]	2.05	0.15
1:A:75:ALA:C	1:B:156:VAL:CB[2_757]	2.05	0.15
1:A:86:GLU:CA	1:B:188:ASP:OD2[2_757]	2.05	0.15
1:A:86:GLU:OE1	1:A:148:PRO:CA[2_757]	2.05	0.15
1:A:86:GLU:CA	1:A:178:SER:CA[2_757]	2.05	0.15
1:A:89:LEU:N	1:B:186:ASN:C[2_757]	2.05	0.15
1:A:92:MET:CA	1:B:221:TYR:CG[2_757]	2.05	0.15
1:A:94:LYS:CD	1:A:142:ALA:CB[2_757]	2.05	0.15
1:A:117:ARG:NE	1:F:44:ASP:C[2_657]	2.05	0.15
1:A:119:PRO:C	1:C:42:TYR:N[2_858]	2.05	0.15
1:A:125:TRP:CE2	1:C:345:ARG:CZ[2_858]	2.05	0.15
1:A:126:GLU:CD	1:C:338:TRP:CA[2_858]	2.05	0.15
1:A:214:LYS:CD	1:E:3:SER:CB[2_757]	2.05	0.15
1:A:219:LYS:CD	1:E:38:VAL:N[2_757]	2.05	0.15
1:A:262:LYS:CB	1:C:305:PHE:CB[2_858]	2.05	0.15
1:A:267:PHE:CD2	1:C:346:GLY:C[2_858]	2.05	0.15
1:A:283:VAL:C	1:C:9:GLN:OE1[2_858]	2.05	0.15
1:A:286:GLY:CA	1:C:68:TYR:CD2[2_858]	2.05	0.15
1:A:287:PHE:CA	1:C:39:ASP:O[2_858]	2.05	0.15
1:A:306:GLU:OE2	1:B:154:GLU:CG[2_757]	2.05	0.15
1:A:314:VAL:N	1:B:167:PRO:CG[2_757]	2.05	0.15
1:A:317:HIS:CA	1:B:162:PRO:CB[2_757]	2.05	0.15
1:A:328:SER:N	1:F:66:LYS:O[2_657]	2.05	0.15
1:A:332:ILE:CG1	1:F:63:GLU:CD[2_657]	2.05	0.15
1:A:366:LEU:CD1	1:F:56:LYS:CD[2_657]	2.05	0.15
1:A:367:ASN:CA	1:F:55:ASP:O[2_657]	2.05	0.15
1:A:367:ASN:O	1:F:58:THR:CG2[2_657]	2.05	0.15
1:A:370:GLN:CD	1:F:57:ILE:CG2[2_657]	2.05	0.15
1:A:380:ALA:C	1:F:41:LYS:O[2_657]	2.05	0.15
1:A:381:LEU:N	1:F:11:VAL:O[2_657]	2.05	0.15
1:A:386:ASN:C	1:F:11:VAL:CB[2_657]	2.05	0.15
1:A:388:ARG:NH1	1:F:305:PHE:CB[2_657]	2.05	0.15
1:A:395:GLU:C	1:F:105:GLY:N[2_657]	2.05	0.15
1:A:396:GLU:CD	1:F:297:LEU:CG[2_657]	2.05	0.15
1:A:402:GLU:CD	5:F:1640:HOH:O[2_657]	2.05	0.15
1:A:403:LYS:CE	1:F:140:TYR:CG[2_657]	2.05	0.15
1:A:406:GLN:CB	1:F:141:LYS:C[2_657]	2.05	0.15
1:B:166:GLN:NE2	3:A:1101:NDP:O3B[2_757]	2.05	0.15
1:C:40:LEU:CD2	5:A:1128:HOH:O[2_858]	2.05	0.15
1:B:5:ILE:CG2	1:C:163:THR:O[2_858]	2.05	0.15
1:B:11:VAL:CA	1:E:371:GLN:CA[2_757]	2.05	0.15

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:20:THR:OG1	1:C:236:GLN:NE2[2_858]	2.05	0.15
1:B:22:ILE:CG2	1:C:232:VAL:CA[2_858]	2.05	0.15
1:B:48:GLU:CG	1:E:347:GLU:OE2[2_757]	2.05	0.15
1:B:56:LYS:CA	1:E:336:PHE:N[2_757]	2.05	0.15
1:B:56:LYS:O	1:E:335:ILE:C[2_757]	2.05	0.15
1:B:59:GLN:N	1:E:335:ILE:C[2_757]	2.05	0.15
1:B:60:ASP:CG	1:E:332:ILE:O[2_757]	2.05	0.15
1:B:60:ASP:O	1:E:332:ILE:CD1[2_757]	2.05	0.15
1:B:71:GLY:CA	1:E:404:ARG:CZ[2_757]	2.05	0.15
1:B:97:ASN:CB	1:E:405:LEU:CD2[2_757]	2.05	0.15
1:B:117:ARG:C	1:C:102:ASN:CB[2_858]	2.05	0.15
1:B:121:LEU:C	1:C:65:ILE:CG1[2_858]	2.05	0.15
1:B:140:TYR:C	1:E:34:PRO:CG[2_757]	2.05	0.15
1:B:141:LYS:CE	1:E:29:LYS:CB[2_757]	2.05	0.15
1:B:261:ILE:CA	1:C:67:LYS:CG[2_858]	2.05	0.15
1:B:291:GLY:N	1:C:300:PRO:CG[2_858]	2.05	0.15
1:B:317:HIS:ND1	1:C:197:SER:N[2_858]	2.05	0.15
1:B:320:LYS:CE	1:C:201:LEU:CD2[2_858]	2.05	0.15
1:B:321:TYR:CE2	1:C:233:TYR:CD1[2_858]	2.05	0.15
1:B:321:TYR:O	1:C:241:PHE:CE2[2_858]	2.05	0.15
1:B:321:TYR:CD1	1:C:233:TYR:CE1[2_858]	2.05	0.15
1:B:324:GLY:N	1:C:247:HIS:CA[2_858]	2.05	0.15
1:B:329:THR:CA	1:C:193:GLY:O[2_858]	2.05	0.15
1:B:331:SER:OG	1:C:192:GLU:CA[2_858]	2.05	0.15
1:B:334:SER:CA	1:C:192:GLU:OE2[2_858]	2.05	0.15
1:B:357:PHE:C	1:D:149:GLY:CA[2_858]	2.05	0.15
1:B:359:ASN:N	1:D:150:PRO:CB[2_858]	2.05	0.15
1:B:365:THR:CG2	1:C:187:THR:O[2_858]	2.05	0.15
1:B:368:THR:OG1	1:C:186:ASN:CB[2_858]	2.05	0.15
1:B:371:GLN:O	1:C:139:GLN:CA[2_858]	2.05	0.15
1:B:378:ASP:CG	1:C:107:THR:N[2_858]	2.05	0.15
1:B:386:ASN:CG	1:C:295:SER:C[2_858]	2.05	0.15
1:B:389:SER:C	1:C:275:ASP:O[2_858]	2.05	0.15
1:B:391:TYR:CZ	1:C:131:ILE:O[2_858]	2.05	0.15
1:B:395:GLU:N	1:C:229:PHE:CB[2_858]	2.05	0.15
1:B:395:GLU:O	1:C:225:PHE:CB[2_858]	2.05	0.15
1:B:401:VAL:CA	1:D:180:VAL:CB[2_858]	2.05	0.15
1:B:406:GLN:CB	1:D:145:THR:CA[2_858]	2.05	0.15
1:B:411:SER:O	1:C:157:TYR:N[2_858]	2.05	0.15
1:C:316:ARG:N	1:C:323:LYS:CB[2_958]	2.05	0.15
1:C:316:ARG:C	1:C:320:LYS:C[2_958]	2.05	0.15

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:317:HIS:ND1	1:C:325:GLU:N[2_958]	2.05	0.15
1:C:388:ARG:CD	1:C:392:VAL:N[2_958]	2.05	0.15
1:D:4:LYS:CD	1:E:308:GLU:CG[2_757]	2.05	0.15
1:D:6:LYS:CD	1:E:311:HIS:O[2_757]	2.05	0.15
1:D:24:TRP:N	1:E:206:LYS:N[2_757]	2.05	0.15
1:D:35:TYR:CZ	1:E:107:THR:CA[2_757]	2.05	0.15
1:D:35:TYR:CA	1:E:108:VAL:CA[2_757]	2.05	0.15
1:D:39:ASP:CG	1:E:289:SER:O[2_757]	2.05	0.15
1:D:70:VAL:CA	1:E:125:TRP:CH2[2_757]	2.05	0.15
1:D:81:GLU:O	1:D:88:ASN:CA[2_858]	2.05	0.15
1:D:86:GLU:N	1:D:86:GLU:N[2_858]	2.05	0.15
1:D:188:ASP:C	1:F:374:ILE:C[2_757]	2.05	0.15
1:D:191:ILE:CG2	1:F:392:VAL:O[2_757]	2.05	0.15
1:D:194:PHE:CE2	5:F:1652:HOH:O[2_757]	2.05	0.15
1:D:201:LEU:N	3:F:1601:NDP:N7A[2_757]	2.05	0.15
1:D:210:PHE:CG	1:F:321:TYR:C[2_757]	2.05	0.15
1:D:227:ASP:C	1:F:395:GLU:O[2_757]	2.05	0.15
1:D:228:ILE:CB	1:F:392:VAL:CG2[2_757]	2.05	0.15
1:D:228:ILE:CG1	1:F:392:VAL:CG2[2_757]	2.05	0.15
1:D:238:LYS:CE	1:F:25:ASP:CA[2_757]	2.05	0.15
1:D:243:GLN:OE1	1:F:14:LEU:N[2_757]	2.05	0.15
1:D:246:ILE:CD1	1:F:17:ASP:C[2_757]	2.05	0.15
1:D:267:PHE:CE1	1:F:319:ARG:CA[2_757]	2.05	0.15
1:D:271:LEU:CD1	1:F:320:LYS:CE[2_757]	2.05	0.15
1:D:294:THR:CA	1:E:249:GLU:OE1[2_757]	2.05	0.15
1:D:296:ILE:CG1	1:E:259:GLN:O[2_757]	2.05	0.15
1:D:304:THR:C	1:F:121:LEU:CD1[2_757]	2.05	0.15
1:D:332:ILE:C	1:E:247:HIS:O[2_757]	2.05	0.15
1:D:335:ILE:C	1:E:209:LEU:CA[2_757]	2.05	0.15
1:D:336:PHE:CB	1:E:210:PHE:CB[2_757]	2.05	0.15
1:D:340:ARG:NH2	1:E:250:HIS:C[2_757]	2.05	0.15
1:D:340:ARG:CD	1:E:256:MET:CB[2_757]	2.05	0.15
1:D:344:LYS:CE	1:E:258:ALA:CA[2_757]	2.05	0.15
1:D:351:THR:CB	1:E:278:VAL:C[2_757]	2.05	0.15
1:D:356:LYS:CD	1:E:274:TYR:CA[2_757]	2.05	0.15
1:D:360:ILE:N	1:E:271:LEU:C[2_757]	2.05	0.15
1:D:365:THR:OG1	1:E:198:SER:CB[2_757]	2.05	0.15
1:D:367:ASN:OD1	1:E:229:PHE:N[2_757]	2.05	0.15
1:D:367:ASN:OD1	1:E:228:ILE:N[2_757]	2.05	0.15
1:D:401:VAL:C	1:E:197:SER:C[2_757]	2.05	0.15
1:D:409:ILE:O	1:E:136:HIS:C[2_757]	2.05	0.15

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:48:GLU:C	1:E:177:GLY:N[2_657]	2.05	0.15
1:E:82:ALA:CA	1:F:227:ASP:C[2_657]	2.05	0.15
1:E:84:VAL:CA	1:F:224:ARG:CD[2_657]	2.05	0.15
1:E:90:HIS:ND1	1:E:181:ALA:N[2_657]	2.05	0.15
1:E:90:HIS:CD2	1:E:181:ALA:C[2_657]	2.05	0.15
1:A:14:LEU:CB	1:A:155:LEU:C[2_757]	2.06	0.14
1:A:33:LEU:O	1:E:174:ASP:OD2[2_657]	2.06	0.14
1:A:34:PRO:C	1:E:173:TYR:N[2_657]	2.06	0.14
1:A:47:VAL:CG1	1:A:181:ALA:CB[2_757]	2.06	0.14
1:A:57:ILE:CG2	1:B:143:THR:O[2_757]	2.06	0.14
1:A:73:LYS:CB	1:A:156:VAL:CG1[2_757]	2.06	0.14
1:A:76:THR:N	1:B:156:VAL:C[2_757]	2.06	0.14
1:A:83:ARG:NH1	1:A:148:PRO:CA[2_757]	2.06	0.14
1:A:84:VAL:C	1:B:188:ASP:OD1[2_757]	2.06	0.14
1:A:93:TRP:CB	1:A:182:MET:CG[2_757]	2.06	0.14
1:A:95:SER:OG	1:A:143:THR:CG2[2_757]	2.06	0.14
1:A:100:ILE:N	1:B:172:VAL:CB[2_757]	2.06	0.14
1:A:120:ARG:C	1:C:41:LYS:N[2_858]	2.06	0.14
1:A:125:TRP:CB	1:C:11:VAL:CG1[2_858]	2.06	0.14
1:A:148:PRO:O	1:A:319:ARG:NH2[2_757]	2.06	0.14
1:A:207:LEU:C	1:C:352:PRO:CA[2_858]	2.06	0.14
1:A:214:LYS:NZ	1:E:3:SER:C[2_757]	2.06	0.14
1:A:246:ILE:CG2	1:C:356:LYS:CD[2_858]	2.06	0.14
1:A:264:LYS:CD	1:C:341:GLY:CA[2_858]	2.06	0.14
1:A:264:LYS:CB	1:C:341:GLY:N[2_858]	2.06	0.14
1:A:266:GLY:O	1:C:354:LEU:CB[2_858]	2.06	0.14
1:A:267:PHE:CE1	1:C:345:ARG:C[2_858]	2.06	0.14
1:A:314:VAL:CG2	1:B:167:PRO:CD[2_757]	2.06	0.14
1:A:320:LYS:CA	1:B:161:ASP:OD2[2_757]	2.06	0.14
1:A:326:GLU:O	1:F:303:LYS:O[2_657]	2.06	0.14
1:A:369:VAL:CG2	1:F:58:THR:C[2_657]	2.06	0.14
1:A:371:GLN:CG	1:F:55:ASP:OD1[2_657]	2.06	0.14
1:A:376:THR:C	1:F:64:ALA:O[2_657]	2.06	0.14
1:A:377:LYS:O	1:F:12:VAL:CG2[2_657]	2.06	0.14
1:A:377:LYS:N	1:F:64:ALA:O[2_657]	2.06	0.14
1:A:381:LEU:N	1:F:41:LYS:N[2_657]	2.06	0.14
1:A:391:TYR:CZ	1:F:70:VAL:CG2[2_657]	2.06	0.14
1:A:395:GLU:C	1:F:104:LEU:CB[2_657]	2.06	0.14
1:A:400:ALA:CA	1:F:101:ARG:N[2_657]	2.06	0.14
1:A:400:ALA:CA	1:F:102:ASN:N[2_657]	2.06	0.14
1:A:406:GLN:CG	1:F:141:LYS:CB[2_657]	2.06	0.14

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:166:GLN:CB	3:A:1101:NDP:O1N[2_757]	2.06	0.14
1:B:169:THR:CB	3:A:1101:NDP:C7N[2_757]	2.06	0.14
1:B:12:VAL:CB	1:E:367:ASN:CA[2_757]	2.06	0.14
1:B:18:GLU:OE1	1:E:356:LYS:NZ[2_757]	2.06	0.14
1:B:19:MET:CA	1:C:237:TYR:CD1[2_858]	2.06	0.14
1:B:30:LYS:CG	5:C:1323:HOH:O[2_858]	2.06	0.14
1:B:45:LEU:CB	1:E:362:GLU:CB[2_757]	2.06	0.14
1:B:61:ALA:CB	1:E:365:THR:CG2[2_757]	2.06	0.14
1:B:66:LYS:CD	1:E:396:GLU:C[2_757]	2.06	0.14
1:B:67:LYS:CD	1:E:375:MET:CG[2_757]	2.06	0.14
1:B:73:LYS:CD	1:E:360:ILE:O[2_757]	2.06	0.14
1:B:90:HIS:ND1	1:E:70:VAL:CA[2_757]	2.06	0.14
1:B:96:PRO:CD	1:E:357:PHE:C[2_757]	2.06	0.14
1:B:119:PRO:CG	1:C:100:ILE:CA[2_858]	2.06	0.14
1:B:121:LEU:C	1:C:65:ILE:CG2[2_858]	2.06	0.14
1:B:135:ALA:CB	1:E:406:GLN:OE1[2_757]	2.06	0.14
1:B:288:GLY:CA	1:C:104:LEU:O[2_858]	2.06	0.14
1:B:306:GLU:OE2	1:E:405:LEU:CA[2_757]	2.06	0.14
1:B:317:HIS:ND1	1:C:196:HIS:O[2_858]	2.06	0.14
1:B:318:TYR:CD1	1:C:236:GLN:C[2_858]	2.06	0.14
1:B:322:GLN:CG	1:C:240:LYS:CA[2_858]	2.06	0.14
1:B:330:ASN:N	1:C:193:GLY:CA[2_858]	2.06	0.14
1:B:330:ASN:N	1:C:194:PHE:CA[2_858]	2.06	0.14
1:B:331:SER:O	1:C:189:GLU:CA[2_858]	2.06	0.14
1:B:351:THR:CA	1:C:163:THR:CB[2_858]	2.06	0.14
1:B:353:ALA:CB	1:C:163:THR:O[2_858]	2.06	0.14
1:B:361:LEU:N	1:D:149:GLY:O[2_858]	2.06	0.14
1:B:362:GLU:CB	1:D:176:LYS:C[2_858]	2.06	0.14
1:B:369:VAL:CB	1:C:136:HIS:ND1[2_858]	2.06	0.14
1:B:385:ASN:C	1:C:110:ARG:NH2[2_858]	2.06	0.14
1:B:386:ASN:N	1:C:110:ARG:CD[2_858]	2.06	0.14
1:B:387:GLU:CA	1:C:110:ARG:CD[2_858]	2.06	0.14
1:B:389:SER:O	1:C:276:GLY:CA[2_858]	2.06	0.14
1:B:396:GLU:CD	1:C:212:SER:N[2_858]	2.06	0.14
1:B:403:LYS:CD	1:C:218:LEU:CB[2_858]	2.06	0.14
1:B:411:SER:N	1:C:168:GLN:CB[2_858]	2.06	0.14
1:D:6:LYS:NZ	1:E:312:GLY:O[2_757]	2.06	0.14
1:D:6:LYS:NZ	1:E:311:HIS:O[2_757]	2.06	0.14
1:D:9:GLN:CA	1:E:285:GLN:N[2_757]	2.06	0.14
1:D:12:VAL:N	1:E:287:PHE:CZ[2_757]	2.06	0.14
1:D:14:LEU:C	1:E:127:LYS:CA[2_757]	2.06	0.14

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:34:PRO:CA	1:E:296:ILE:N[2_757]	2.06	0.14
1:D:40:LEU:O	1:E:114:VAL:N[2_757]	2.06	0.14
1:D:41:LYS:CG	1:E:287:PHE:C[2_757]	2.06	0.14
1:D:66:LYS:N	1:E:123:PRO:CA[2_757]	2.06	0.14
1:D:100:ILE:CG1	1:E:264:LYS:NZ[2_757]	2.06	0.14
1:D:115:ILE:CD1	1:E:233:TYR:CG[2_757]	2.06	0.14
1:D:134:HIS:N	1:F:377:LYS:NZ[2_757]	2.06	0.14
1:D:186:ASN:C	1:F:390:ALA:C[2_757]	2.06	0.14
1:D:194:PHE:CA	1:F:378:ASP:N[2_757]	2.06	0.14
1:D:202:ALA:N	1:F:314:VAL:CA[2_757]	2.06	0.14
1:D:203:ILE:N	1:F:313:THR:N[2_757]	2.06	0.14
1:D:229:PHE:N	1:F:394:THR:C[2_757]	2.06	0.14
1:D:229:PHE:N	1:F:397:PHE:N[2_757]	2.06	0.14
1:D:232:VAL:CG1	1:F:331:SER:CA[2_757]	2.06	0.14
1:D:238:LYS:O	1:F:24:TRP:C[2_757]	2.06	0.14
1:D:240:LYS:CG	1:F:73:LYS:O[2_757]	2.06	0.14
1:D:248:TYR:CA	1:F:22:ILE:CG2[2_757]	2.06	0.14
1:D:266:GLY:O	1:F:319:ARG:NH2[2_757]	2.06	0.14
1:D:267:PHE:CB	1:F:318:TYR:CD2[2_757]	2.06	0.14
1:D:269:MET:CB	1:F:320:LYS:CA[2_757]	2.06	0.14
1:D:299:THR:CG2	1:F:121:LEU:CG[2_757]	2.06	0.14
1:D:304:THR:C	1:E:261:ILE:O[2_757]	2.06	0.14
1:D:330:ASN:CA	1:E:241:PHE:C[2_757]	2.06	0.14
1:D:340:ARG:CB	1:E:256:MET:CG[2_757]	2.06	0.14
1:D:349:ASP:OD1	1:F:261:ILE:CG1[2_757]	2.06	0.14
1:D:353:ALA:C	1:E:277:ASP:CA[2_757]	2.06	0.14
1:D:355:CYS:CB	1:E:275:ASP:CG[2_757]	2.06	0.14
1:D:356:LYS:O	1:E:271:LEU:C[2_757]	2.06	0.14
1:D:357:PHE:CB	1:E:276:GLY:CA[2_757]	2.06	0.14
1:D:357:PHE:CE2	1:E:132:GLY:N[2_757]	2.06	0.14
1:D:357:PHE:O	1:E:271:LEU:CA[2_757]	2.06	0.14
1:D:357:PHE:N	1:E:276:GLY:N[2_757]	2.06	0.14
1:D:360:ILE:CD1	1:E:134:HIS:ND1[2_757]	2.06	0.14
1:D:367:ASN:CA	1:E:232:VAL:CG2[2_757]	2.06	0.14
1:D:375:MET:N	1:E:236:GLN:O[2_757]	2.06	0.14
1:D:398:LEU:CD2	1:E:202:ALA:N[2_757]	2.06	0.14
1:D:398:LEU:CG	1:E:203:ILE:N[2_757]	2.06	0.14
1:D:400:ALA:C	1:E:196:HIS:O[2_757]	2.06	0.14
1:D:402:GLU:N	1:E:196:HIS:O[2_757]	2.06	0.14
1:D:402:GLU:O	1:E:197:SER:CB[2_757]	2.06	0.14
1:E:49:SER:C	1:E:149:GLY:C[2_657]	2.06	0.14

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:56:LYS:O	1:F:159:PRO:N[2_657]	2.06	0.14
1:E:58:THR:O	1:F:161:ASP:O[2_657]	2.06	0.14
1:E:61:ALA:C	1:F:163:THR:CA[2_657]	2.06	0.14
1:E:88:ASN:OD1	1:F:225:PHE:CZ[2_657]	2.06	0.14
1:E:90:HIS:C	1:E:180:VAL:CA[2_657]	2.06	0.14
1:A:21:ARG:N	1:B:158:LYS:CG[2_757]	2.07	0.13
1:A:51:ASP:N	1:B:184:MET:O[2_757]	2.07	0.13
1:A:52:ALA:CA	1:B:141:LYS:C[2_757]	2.07	0.13
1:A:59:GLN:NE2	1:A:186:ASN:N[2_757]	2.07	0.13
1:A:63:GLU:O	1:B:147:ILE:CG2[2_757]	2.07	0.13
1:A:63:GLU:CD	1:B:180:VAL:CA[2_757]	2.07	0.13
1:A:72:ILE:O	1:A:156:VAL:CG1[2_757]	2.07	0.13
1:A:77:ILE:CD1	1:A:147:ILE:CG2[2_757]	2.07	0.13
1:A:79:PRO:CG	1:A:145:THR:O[2_757]	2.07	0.13
1:A:81:GLU:OE2	1:B:227:ASP:CB[2_757]	2.07	0.13
1:A:83:ARG:CZ	1:A:148:PRO:CG[2_757]	2.07	0.13
1:A:85:LYS:C	1:B:188:ASP:CA[2_757]	2.07	0.13
1:A:93:TRP:N	1:B:221:TYR:CG[2_757]	2.07	0.13
1:A:99:THR:N	1:B:172:VAL:C[2_757]	2.07	0.13
1:A:120:ARG:CB	1:C:11:VAL:O[2_858]	2.07	0.13
1:A:124:ARG:CZ	1:C:307:SER:N[2_858]	2.07	0.13
1:A:131:ILE:CD1	1:C:8:LYS:NZ[2_858]	2.07	0.13
1:A:161:ASP:OD1	1:A:348:LEU:CB[2_757]	2.07	0.13
1:A:161:ASP:O	1:A:345:ARG:NH2[2_757]	2.07	0.13
1:A:219:LYS:O	1:E:37:ASP:OD2[2_757]	2.07	0.13
1:A:262:LYS:CB	1:C:305:PHE:CG[2_858]	2.07	0.13
1:A:264:LYS:O	1:C:342:LEU:CA[2_858]	2.07	0.13
1:A:265:GLY:N	1:C:342:LEU:O[2_858]	2.07	0.13
1:A:267:PHE:CZ	1:C:345:ARG:CA[2_858]	2.07	0.13
1:A:268:ILE:N	1:C:351:THR:O[2_858]	2.07	0.13
1:A:283:VAL:CG2	1:C:9:GLN:CB[2_858]	2.07	0.13
1:A:294:THR:OG1	1:C:6:LYS:CE[2_858]	2.07	0.13
1:A:306:GLU:OE1	1:B:152:SER:CB[2_757]	2.07	0.13
1:A:312:GLY:C	1:B:168:GLN:N[2_757]	2.07	0.13
1:A:312:GLY:C	1:B:167:PRO:CA[2_757]	2.07	0.13
1:A:315:THR:CG2	1:B:165:ALA:CA[2_757]	2.07	0.13
1:A:318:TYR:CD1	1:B:159:PRO:O[2_757]	2.07	0.13
1:A:318:TYR:CG	1:B:159:PRO:CA[2_757]	2.07	0.13
1:A:332:ILE:C	1:F:63:GLU:OE1[2_657]	2.07	0.13
1:A:371:GLN:CB	1:F:50:ARG:NH1[2_657]	2.07	0.13
1:A:377:LYS:CA	1:F:12:VAL:CG2[2_657]	2.07	0.13

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:380:ALA:C	1:F:41:LYS:N[2_657]	2.07	0.13
1:A:390:ALA:CA	1:F:72:ILE:CB[2_657]	2.07	0.13
1:A:390:ALA:N	1:F:71:GLY:C[2_657]	2.07	0.13
1:A:391:TYR:N	1:F:71:GLY:N[2_657]	2.07	0.13
1:A:391:TYR:CE2	1:F:70:VAL:CA[2_657]	2.07	0.13
1:A:391:TYR:CE2	1:F:70:VAL:C[2_657]	2.07	0.13
1:A:394:THR:CG2	1:F:66:LYS:CG[2_657]	2.07	0.13
1:A:396:GLU:CB	1:F:297:LEU:CD2[2_657]	2.07	0.13
1:B:166:GLN:NE2	3:A:1101:NDP:C4B[2_757]	2.07	0.13
1:F:67:LYS:CE	3:A:1101:NDP:C2A[2_657]	2.07	0.13
1:B:189:GLU:CG	5:A:1129:HOH:O[2_757]	2.07	0.13
1:B:5:ILE:CD1	1:C:165:ALA:N[2_858]	2.07	0.13
1:B:9:GLN:C	1:E:117:ARG:NH1[2_757]	2.07	0.13
1:B:12:VAL:N	1:E:370:GLN:CB[2_757]	2.07	0.13
1:B:18:GLU:CB	5:E:1528:HOH:O[2_757]	2.07	0.13
1:B:21:ARG:CG	1:C:235:ALA:CB[2_858]	2.07	0.13
1:B:56:LYS:N	1:E:338:TRP:N[2_757]	2.07	0.13
1:B:63:GLU:CG	1:E:331:SER:CB[2_757]	2.07	0.13
1:B:66:LYS:CG	1:E:396:GLU:C[2_757]	2.07	0.13
1:B:79:PRO:CD	1:E:354:LEU:CB[2_757]	2.07	0.13
1:B:82:ALA:C	1:E:350:ASN:CA[2_757]	2.07	0.13
1:B:91:LYS:N	1:E:70:VAL:CG2[2_757]	2.07	0.13
1:B:95:SER:CA	1:E:357:PHE:CE1[2_757]	2.07	0.13
1:B:104:LEU:CD1	1:E:401:VAL:CA[2_757]	2.07	0.13
1:B:104:LEU:CD2	1:E:400:ALA:CB[2_757]	2.07	0.13
1:B:117:ARG:N	1:C:102:ASN:CB[2_858]	2.07	0.13
1:B:119:PRO:CG	1:C:101:ARG:N[2_858]	2.07	0.13
1:B:122:VAL:C	1:C:65:ILE:N[2_858]	2.07	0.13
1:B:140:TYR:C	1:E:34:PRO:CB[2_757]	2.07	0.13
1:B:277:ASP:OD1	1:E:2:PHE:CG[2_757]	2.07	0.13
1:B:289:SER:CB	1:C:299:THR:C[2_858]	2.07	0.13
1:B:298:VAL:N	1:E:403:LYS:CD[2_757]	2.07	0.13
1:B:315:THR:N	1:C:200:LYS:NZ[2_858]	2.07	0.13
1:B:317:HIS:CB	1:C:200:LYS:CA[2_858]	2.07	0.13
1:B:318:TYR:CD1	1:C:237:TYR:CD2[2_858]	2.07	0.13
1:B:323:LYS:C	1:C:247:HIS:N[2_858]	2.07	0.13
1:B:324:GLY:C	1:C:247:HIS:C[2_858]	2.07	0.13
1:B:330:ASN:CB	1:C:193:GLY:CA[2_858]	2.07	0.13
1:B:331:SER:OG	1:C:191:ILE:CA[2_858]	2.07	0.13
1:B:356:LYS:CB	1:C:159:PRO:CG[2_858]	2.07	0.13
1:B:358:ALA:O	1:D:150:PRO:CD[2_858]	2.07	0.13

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:367:ASN:C	1:C:185:TYR:CA[2_858]	2.07	0.13
1:B:371:GLN:CD	1:D:172:VAL:CG1[2_858]	2.07	0.13
1:B:376:THR:O	1:C:134:HIS:CA[2_858]	2.07	0.13
1:B:378:ASP:CG	1:C:106:GLY:O[2_858]	2.07	0.13
1:B:391:TYR:CE2	1:C:132:GLY:C[2_858]	2.07	0.13
1:B:396:GLU:CD	1:C:212:SER:C[2_858]	2.07	0.13
1:B:404:ARG:O	1:D:181:ALA:N[2_858]	2.07	0.13
1:B:410:LYS:O	1:C:169:THR:C[2_858]	2.07	0.13
1:C:317:HIS:CB	1:C:325:GLU:CD[2_958]	2.07	0.13
1:D:10:PRO:CG	1:E:285:GLN:C[2_757]	2.07	0.13
1:D:14:LEU:N	1:E:127:LYS:O[2_757]	2.07	0.13
1:D:26:LYS:CB	1:E:204:ASP:CG[2_757]	2.07	0.13
1:D:62:ALA:O	1:E:124:ARG:CA[2_757]	2.07	0.13
1:D:64:ALA:O	1:E:122:VAL:O[2_757]	2.07	0.13
1:D:68:TYR:CE1	1:E:120:ARG:N[2_757]	2.07	0.13
1:D:81:GLU:CB	1:D:88:ASN:CG[2_858]	2.07	0.13
1:D:127:LYS:CE	1:F:83:ARG:NE[2_757]	2.07	0.13
1:D:137:GLY:CA	1:F:387:GLU:O[2_757]	2.07	0.13
1:D:187:THR:CA	1:F:390:ALA:O[2_757]	2.07	0.13
1:D:192:GLU:CD	1:F:374:ILE:O[2_757]	2.07	0.13
1:D:195:ALA:CA	1:F:330:ASN:N[2_757]	2.07	0.13
1:D:204:ASP:OD1	3:F:1601:NDP:C5N[2_757]	2.07	0.13
1:D:229:PHE:CG	1:F:394:THR:OG1[2_757]	2.07	0.13
1:D:233:TYR:O	1:F:27:ILE:CD1[2_757]	2.07	0.13
1:D:240:LYS:O	1:F:74:CYS:SG[2_757]	2.07	0.13
1:D:240:LYS:CA	1:F:74:CYS:CA[2_757]	2.07	0.13
1:D:256:MET:SD	1:F:322:GLN:N[2_757]	2.07	0.13
1:D:267:PHE:CZ	1:F:322:GLN:NE2[2_757]	2.07	0.13
1:D:268:ILE:CB	1:F:317:HIS:N[2_757]	2.07	0.13
1:D:269:MET:CA	1:F:320:LYS:N[2_757]	2.07	0.13
1:D:303:LYS:CE	1:F:287:PHE:CG[2_757]	2.07	0.13
1:D:336:PHE:CD2	1:E:211:LEU:N[2_757]	2.07	0.13
1:D:349:ASP:O	1:F:257:VAL:CG2[2_757]	2.07	0.13
1:D:357:PHE:C	1:E:271:LEU:CB[2_757]	2.07	0.13
1:D:368:THR:OG1	1:E:196:HIS:N[2_757]	2.07	0.13
1:D:370:GLN:C	1:E:231:GLU:CA[2_757]	2.07	0.13
1:D:376:THR:CA	1:E:239:SER:N[2_757]	2.07	0.13
1:D:378:ASP:OD2	1:E:238:LYS:O[2_757]	2.07	0.13
1:D:399:ASP:N	1:E:200:LYS:CG[2_757]	2.07	0.13
1:E:50:ARG:O	1:E:149:GLY:O[2_657]	2.07	0.13
1:E:52:ALA:C	1:E:175:TYR:N[2_657]	2.07	0.13

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:56:LYS:C	1:F:159:PRO:CD[2_657]	2.07	0.13
1:E:59:GLN:C	1:F:162:PRO:CG[2_657]	2.07	0.13
1:E:61:ALA:O	1:F:163:THR:CB[2_657]	2.07	0.13
1:E:87:PHE:O	1:F:188:ASP:N[2_657]	2.07	0.13
1:A:12:VAL:O	1:A:167:PRO:CA[2_757]	2.08	0.12
1:A:12:VAL:O	1:A:157:TYR:O[2_757]	2.08	0.12
1:A:16:GLY:CA	1:B:156:VAL:O[2_757]	2.08	0.12
1:A:21:ARG:NH1	1:A:171:LYS:CD[2_757]	2.08	0.12
1:A:63:GLU:CG	1:B:180:VAL:N[2_757]	2.08	0.12
1:A:65:ILE:CG2	1:A:157:TYR:CE1[2_757]	2.08	0.12
1:A:81:GLU:CD	1:B:227:ASP:CG[2_757]	2.08	0.12
1:A:83:ARG:NE	1:A:148:PRO:N[2_757]	2.08	0.12
1:A:86:GLU:OE1	1:A:148:PRO:O[2_757]	2.08	0.12
1:A:90:HIS:CE1	1:B:138:ASP:OD2[2_757]	2.08	0.12
1:A:97:ASN:CB	1:B:171:LYS:C[2_757]	2.08	0.12
1:A:101:ARG:C	1:B:174:ASP:N[2_757]	2.08	0.12
1:A:101:ARG:CA	1:B:173:TYR:CA[2_757]	2.08	0.12
1:A:104:LEU:CA	1:B:175:TYR:CA[2_757]	2.08	0.12
1:A:113:ILE:CA	1:C:37:ASP:OD1[2_858]	2.08	0.12
1:A:120:ARG:NH1	1:C:40:LEU:CD2[2_858]	2.08	0.12
1:A:120:ARG:C	1:C:41:LYS:CG[2_858]	2.08	0.12
1:A:127:LYS:NZ	1:C:357:PHE:N[2_858]	2.08	0.12
1:A:150:PRO:C	1:A:318:TYR:CZ[2_757]	2.08	0.12
1:A:215:ASN:ND2	1:E:6:LYS:CB[2_757]	2.08	0.12
1:A:216:THR:CG2	1:E:5:ILE:CG1[2_757]	2.08	0.12
1:A:217:ILE:CG2	1:E:4:LYS:CG[2_757]	2.08	0.12
1:A:258:ALA:C	1:C:303:LYS:CA[2_858]	2.08	0.12
1:A:267:PHE:CE1	1:C:346:GLY:C[2_858]	2.08	0.12
1:A:304:THR:CB	1:B:150:PRO:CB[2_757]	2.08	0.12
1:A:315:THR:N	1:B:165:ALA:C[2_757]	2.08	0.12
1:A:316:ARG:C	1:B:163:THR:C[2_757]	2.08	0.12
1:A:319:ARG:CA	1:B:161:ASP:OD2[2_757]	2.08	0.12
1:A:375:MET:CB	1:F:61:ALA:CA[2_657]	2.08	0.12
1:A:377:LYS:NZ	1:F:9:GLN:CB[2_657]	2.08	0.12
1:A:381:LEU:C	1:F:41:LYS:CG[2_657]	2.08	0.12
1:A:383:CYS:SG	1:F:42:TYR:O[2_657]	2.08	0.12
1:A:387:GLU:OE2	1:F:338:TRP:CD2[2_657]	2.08	0.12
1:A:388:ARG:CD	1:F:70:VAL:CG1[2_657]	2.08	0.12
1:A:400:ALA:CB	1:F:99:THR:C[2_657]	2.08	0.12
1:A:406:GLN:NE2	1:F:141:LYS:CA[2_657]	2.08	0.12
1:B:168:GLN:CB	3:A:1101:NDP:C2N[2_757]	2.08	0.12

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:17:ASP:C	1:C:236:GLN:CB[2_858]	2.08	0.12
1:B:30:LYS:O	1:D:146:LEU:CD2[2_858]	2.08	0.12
1:B:40:LEU:O	1:E:116:PRO:CA[2_757]	2.08	0.12
1:B:43:TYR:CE1	1:E:115:ILE:CD1[2_757]	2.08	0.12
1:B:44:ASP:C	1:E:362:GLU:OE1[2_757]	2.08	0.12
1:B:47:VAL:C	1:E:343:LEU:CB[2_757]	2.08	0.12
1:B:50:ARG:O	1:E:341:GLY:N[2_757]	2.08	0.12
1:B:51:ASP:N	1:E:340:ARG:C[2_757]	2.08	0.12
1:B:53:THR:CG2	1:E:336:PHE:O[2_757]	2.08	0.12
1:B:62:ALA:N	1:E:365:THR:OG1[2_757]	2.08	0.12
1:B:63:GLU:N	1:E:397:PHE:CZ[2_757]	2.08	0.12
1:B:65:ILE:CB	1:E:368:THR:CA[2_757]	2.08	0.12
1:B:68:TYR:O	1:E:373:GLY:O[2_757]	2.08	0.12
1:B:73:LYS:CA	1:E:408:GLU:OE2[2_757]	2.08	0.12
1:B:77:ILE:C	1:E:356:LYS:N[2_757]	2.08	0.12
1:B:79:PRO:CB	1:E:354:LEU:CD2[2_757]	2.08	0.12
1:B:79:PRO:CA	1:E:354:LEU:CD1[2_757]	2.08	0.12
1:B:90:HIS:ND1	1:E:69:GLY:O[2_757]	2.08	0.12
1:B:96:PRO:CA	1:E:361:LEU:CG[2_757]	2.08	0.12
1:B:98:GLY:N	1:E:35:TYR:CE1[2_757]	2.08	0.12
1:B:101:ARG:CA	1:E:402:GLU:CA[2_757]	2.08	0.12
1:B:115:ILE:O	1:C:102:ASN:CA[2_858]	2.08	0.12
1:B:120:ARG:CB	1:C:62:ALA:C[2_858]	2.08	0.12
1:B:124:ARG:CZ	1:F:39:ASP:OD1[2_657]	2.08	0.12
1:B:140:TYR:CB	1:E:34:PRO:C[2_757]	2.08	0.12
1:B:308:GLU:CD	1:E:408:GLU:C[2_757]	2.08	0.12
1:B:365:THR:N	1:C:186:ASN:O[2_858]	2.08	0.12
1:B:369:VAL:CG1	1:C:137:GLY:CA[2_858]	2.08	0.12
1:B:369:VAL:CG1	1:C:136:HIS:CA[2_858]	2.08	0.12
1:B:372:ASP:C	1:C:138:ASP:CB[2_858]	2.08	0.12
1:B:386:ASN:CB	1:C:294:THR:O[2_858]	2.08	0.12
1:B:388:ARG:CG	1:C:131:ILE:CB[2_858]	2.08	0.12
1:B:388:ARG:NH2	1:C:269:MET:O[2_858]	2.08	0.12
1:B:394:THR:OG1	1:C:195:ALA:CA[2_858]	2.08	0.12
1:B:395:GLU:CD	1:C:248:TYR:CZ[2_858]	2.08	0.12
1:B:397:PHE:CD1	1:C:134:HIS:CE1[2_858]	2.08	0.12
1:B:398:LEU:N	1:C:191:ILE:CG2[2_858]	2.08	0.12
1:B:398:LEU:CG	1:C:228:ILE:CG1[2_858]	2.08	0.12
1:B:410:LYS:O	1:C:169:THR:CA[2_858]	2.08	0.12
1:C:316:ARG:CB	1:C:323:LYS:CA[2_958]	2.08	0.12
1:C:317:HIS:CE1	1:C:324:GLY:C[2_958]	2.08	0.12

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:5:ILE:CB	1:E:110:ARG:NH1[2_757]	2.08	0.12
1:D:8:LYS:N	1:E:281:ASP:C[2_757]	2.08	0.12
1:D:9:GLN:O	1:E:284:ALA:N[2_757]	2.08	0.12
1:D:11:VAL:CG2	1:E:283:VAL:C[2_757]	2.08	0.12
1:D:26:LYS:CG	1:E:204:ASP:OD2[2_757]	2.08	0.12
1:D:28:LYS:N	1:E:130:ILE:CD1[2_757]	2.08	0.12
1:D:39:ASP:C	1:E:292:LEU:O[2_757]	2.08	0.12
1:D:81:GLU:C	1:D:88:ASN:CG[2_858]	2.08	0.12
1:D:107:THR:CG2	3:F:1601:NDP:O2X[2_757]	2.08	0.12
1:D:109:PHE:CG	3:F:1601:NDP:O1X[2_757]	2.08	0.12
1:D:118:ILE:CG2	1:E:234:GLU:OE1[2_757]	2.08	0.12
1:D:130:ILE:CB	1:F:316:ARG:CA[2_757]	2.08	0.12
1:D:136:HIS:O	1:F:386:ASN:CB[2_757]	2.08	0.12
1:D:204:ASP:C	1:F:312:GLY:CA[2_757]	2.08	0.12
1:D:204:ASP:CB	1:F:311:HIS:C[2_757]	2.08	0.12
1:D:205:LYS:N	3:F:1601:NDP:C1D[2_757]	2.08	0.12
1:D:210:PHE:CE1	1:F:322:GLN:CG[2_757]	2.08	0.12
1:D:211:LEU:CB	1:F:327:THR:OG1[2_757]	2.08	0.12
1:D:212:SER:CB	1:F:325:GLU:N[2_757]	2.08	0.12
1:D:212:SER:O	1:F:326:GLU:C[2_757]	2.08	0.12
1:D:224:ARG:NH2	1:F:374:ILE:CG1[2_757]	2.08	0.12
1:D:224:ARG:N	1:F:396:GLU:OE2[2_757]	2.08	0.12
1:D:227:ASP:CA	1:F:396:GLU:N[2_757]	2.08	0.12
1:D:231:GLU:N	1:F:398:LEU:C[2_757]	2.08	0.12
1:D:231:GLU:N	1:F:398:LEU:N[2_757]	2.08	0.12
1:D:233:TYR:CZ	1:F:23:ILE:C[2_757]	2.08	0.12
1:D:236:GLN:CB	1:F:335:ILE:CG1[2_757]	2.08	0.12
1:D:236:GLN:CB	1:F:335:ILE:C[2_757]	2.08	0.12
1:D:237:TYR:CB	1:F:23:ILE:CG2[2_757]	2.08	0.12
1:D:241:PHE:CG	1:F:21:ARG:CA[2_757]	2.08	0.12
1:D:246:ILE:C	1:F:21:ARG:CG[2_757]	2.08	0.12
1:D:248:TYR:CB	1:F:22:ILE:CA[2_757]	2.08	0.12
1:D:291:GLY:C	1:E:247:HIS:CB[2_757]	2.08	0.12
1:D:301:ASP:CA	1:F:289:SER:N[2_757]	2.08	0.12
1:D:302:GLY:O	1:F:285:GLN:CA[2_757]	2.08	0.12
1:D:304:THR:OG1	1:F:121:LEU:N[2_757]	2.08	0.12
1:D:305:PHE:N	1:E:261:ILE:CA[2_757]	2.08	0.12
1:D:306:GLU:CB	1:E:264:LYS:N[2_757]	2.08	0.12
1:D:311:HIS:NE2	1:E:246:ILE:CA[2_757]	2.08	0.12
1:D:336:PHE:O	1:E:210:PHE:CB[2_757]	2.08	0.12
1:D:342:LEU:CD1	1:E:131:ILE:CG2[2_757]	2.08	0.12

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:345:ARG:NH2	1:F:261:ILE:CG1[2_757]	2.08	0.12
1:D:348:LEU:C	1:F:260:MET:CE[2_757]	2.08	0.12
1:D:351:THR:C	1:E:278:VAL:CG1[2_757]	2.08	0.12
1:D:352:PRO:C	1:E:274:TYR:O[2_757]	2.08	0.12
1:D:352:PRO:CD	1:E:278:VAL:CG2[2_757]	2.08	0.12
1:D:352:PRO:O	1:E:274:TYR:CA[2_757]	2.08	0.12
1:D:356:LYS:C	1:E:272:LYS:CA[2_757]	2.08	0.12
1:D:362:GLU:CA	1:E:211:LEU:CB[2_757]	2.08	0.12
1:D:363:SER:C	1:E:229:PHE:CZ[2_757]	2.08	0.12
1:D:366:LEU:CB	1:E:230:GLN:N[2_757]	2.08	0.12
1:D:368:THR:O	1:E:232:VAL:CG1[2_757]	2.08	0.12
1:D:398:LEU:CD2	1:E:200:LYS:O[2_757]	2.08	0.12
1:D:401:VAL:CA	1:E:196:HIS:CA[2_757]	2.08	0.12
1:D:404:ARG:NH2	1:E:192:GLU:OE2[2_757]	2.08	0.12
1:D:406:GLN:NE2	1:E:298:VAL:C[2_757]	2.08	0.12
1:E:245:GLY:CA	3:D:1401:NDP:C5A[2_757]	2.08	0.12
1:E:48:GLU:CB	5:E:1522:HOH:O[2_657]	2.08	0.12
1:E:52:ALA:CB	1:E:176:LYS:N[2_657]	2.08	0.12
1:E:81:GLU:CG	5:F:1630:HOH:O[2_657]	2.08	0.12
1:E:83:ARG:O	1:F:224:ARG:CZ[2_657]	2.08	0.12
1:E:86:GLU:C	1:F:228:ILE:CB[2_657]	2.08	0.12
1:A:2:PHE:O	1:E:156:VAL:N[2_657]	2.09	0.11
1:A:10:PRO:CD	1:A:166:GLN:CG[2_757]	2.09	0.11
1:A:12:VAL:C	1:A:168:GLN:CA[2_757]	2.09	0.11
1:A:16:GLY:CA	1:A:154:GLU:N[2_757]	2.09	0.11
1:A:19:MET:CG	1:B:162:PRO:CG[2_757]	2.09	0.11
1:A:28:LYS:C	1:E:176:LYS:CD[2_657]	2.09	0.11
1:A:28:LYS:N	1:E:176:LYS:NZ[2_657]	2.09	0.11
1:A:29:LYS:NZ	1:E:176:LYS:O[2_657]	2.09	0.11
1:A:50:ARG:NH2	1:A:153:LEU:CD2[2_757]	2.09	0.11
1:A:51:ASP:C	1:B:138:ASP:O[2_757]	2.09	0.11
1:A:57:ILE:CA	1:B:182:MET:CA[2_757]	2.09	0.11
1:A:65:ILE:O	1:B:149:GLY:O[2_757]	2.09	0.11
1:A:71:GLY:CA	1:A:157:TYR:O[2_757]	2.09	0.11
1:A:76:THR:CA	1:B:156:VAL:CA[2_757]	2.09	0.11
1:A:80:ASP:OD2	1:A:146:LEU:CD2[2_757]	2.09	0.11
1:A:83:ARG:CB	1:A:146:LEU:C[2_757]	2.09	0.11
1:A:83:ARG:O	1:A:179:GLY:N[2_757]	2.09	0.11
1:A:83:ARG:NH2	1:A:148:PRO:CG[2_757]	2.09	0.11
1:A:86:GLU:CA	1:A:178:SER:OG[2_757]	2.09	0.11
1:A:89:LEU:CA	1:B:186:ASN:CA[2_757]	2.09	0.11

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:90:HIS:NE2	1:B:138:ASP:OD2[2_757]	2.09	0.11
1:A:91:LYS:O	1:B:221:TYR:CZ[2_757]	2.09	0.11
1:A:91:LYS:C	1:B:221:TYR:CB[2_757]	2.09	0.11
1:A:92:MET:O	1:B:221:TYR:CB[2_757]	2.09	0.11
1:A:103:ILE:CG2	1:B:173:TYR:CD2[2_757]	2.09	0.11
1:A:118:ILE:CD1	1:F:43:TYR:CB[2_657]	2.09	0.11
1:A:163:THR:OG1	1:A:348:LEU:O[2_757]	2.09	0.11
1:A:207:LEU:N	1:C:352:PRO:O[2_858]	2.09	0.11
1:A:214:LYS:O	1:E:4:LYS:O[2_757]	2.09	0.11
1:A:214:LYS:O	1:E:4:LYS:CB[2_757]	2.09	0.11
1:A:216:THR:C	1:E:5:ILE:N[2_757]	2.09	0.11
1:A:217:ILE:CG1	1:E:4:LYS:CA[2_757]	2.09	0.11
1:A:259:GLN:N	1:C:348:LEU:CD2[2_858]	2.09	0.11
1:A:265:GLY:C	1:C:354:LEU:CD1[2_858]	2.09	0.11
1:A:268:ILE:N	1:C:351:THR:CB[2_858]	2.09	0.11
1:A:282:ILE:CG2	1:C:9:GLN:NE2[2_858]	2.09	0.11
1:A:366:LEU:N	1:F:59:GLN:CB[2_657]	2.09	0.11
1:A:367:ASN:CG	1:F:55:ASP:OD1[2_657]	2.09	0.11
1:A:368:THR:C	1:F:58:THR:CB[2_657]	2.09	0.11
1:A:373:GLY:C	1:F:14:LEU:CD1[2_657]	2.09	0.11
1:A:377:LYS:CG	5:F:1625:HOH:O[2_657]	2.09	0.11
1:A:381:LEU:C	1:F:41:LYS:CB[2_657]	2.09	0.11
1:A:389:SER:OG	1:F:72:ILE:CG2[2_657]	2.09	0.11
1:F:66:LYS:CE	5:A:1105:HOH:O[2_657]	2.09	0.11
1:B:13:GLU:N	1:E:367:ASN:OD1[2_757]	2.09	0.11
1:B:17:ASP:OD1	1:E:359:ASN:CG[2_757]	2.09	0.11
1:B:22:ILE:CG2	1:C:233:TYR:CA[2_858]	2.09	0.11
1:B:51:ASP:OD1	1:E:344:LYS:N[2_757]	2.09	0.11
1:B:53:THR:C	1:E:307:SER:OG[2_757]	2.09	0.11
1:B:59:GLN:CA	1:E:335:ILE:CG2[2_757]	2.09	0.11
1:B:60:ASP:OD2	1:E:333:ALA:N[2_757]	2.09	0.11
1:B:63:GLU:OE1	1:E:331:SER:CB[2_757]	2.09	0.11
1:B:76:THR:CB	1:E:360:ILE:CG1[2_757]	2.09	0.11
1:B:79:PRO:CA	1:E:354:LEU:CA[2_757]	2.09	0.11
1:B:83:ARG:C	1:E:350:ASN:N[2_757]	2.09	0.11
1:B:90:HIS:CG	1:E:70:VAL:CG1[2_757]	2.09	0.11
1:B:96:PRO:CB	1:E:361:LEU:CG[2_757]	2.09	0.11
1:B:102:ASN:O	1:E:30:LYS:CB[2_757]	2.09	0.11
1:B:103:ILE:CD1	1:E:398:LEU:CD2[2_757]	2.09	0.11
1:B:118:ILE:O	1:C:100:ILE:O[2_858]	2.09	0.11
1:B:122:VAL:CA	1:C:64:ALA:O[2_858]	2.09	0.11

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:264:LYS:CE	5:F:1633:HOH:O[2_657]	2.09	0.11
1:B:285:GLN:CD	1:C:303:LYS:C[2_858]	2.09	0.11
1:B:286:GLY:CA	1:C:66:LYS:CA[2_858]	2.09	0.11
1:B:297:LEU:CD2	1:E:404:ARG:N[2_757]	2.09	0.11
1:B:320:LYS:CE	1:C:201:LEU:CA[2_858]	2.09	0.11
1:B:325:GLU:CG	1:C:207:LEU:CA[2_858]	2.09	0.11
1:B:327:THR:CG2	1:C:195:ALA:O[2_858]	2.09	0.11
1:B:330:ASN:CA	1:C:193:GLY:N[2_858]	2.09	0.11
1:B:332:ILE:CD1	1:C:190:SER:CA[2_858]	2.09	0.11
1:B:335:ILE:CB	1:C:189:GLU:N[2_858]	2.09	0.11
1:B:335:ILE:CD1	1:C:189:GLU:N[2_858]	2.09	0.11
1:B:358:ALA:CA	1:D:149:GLY:C[2_858]	2.09	0.11
1:B:363:SER:CA	1:D:175:TYR:CB[2_858]	2.09	0.11
1:B:364:ALA:C	1:C:186:ASN:O[2_858]	2.09	0.11
1:B:364:ALA:C	1:D:175:TYR:CE2[2_858]	2.09	0.11
1:B:367:ASN:O	1:C:185:TYR:O[2_858]	2.09	0.11
1:B:371:GLN:O	1:C:142:ALA:CB[2_858]	2.09	0.11
1:B:372:ASP:CA	1:C:184:MET:SD[2_858]	2.09	0.11
1:B:374:ILE:N	1:C:138:ASP:OD2[2_858]	2.09	0.11
1:B:378:ASP:CA	1:C:107:THR:C[2_858]	2.09	0.11
1:B:378:ASP:C	1:C:107:THR:CA[2_858]	2.09	0.11
1:B:393:THR:O	1:C:194:PHE:CE1[2_858]	2.09	0.11
1:B:406:GLN:OE1	1:C:220:LYS:CA[2_858]	2.09	0.11
3:B:1201:NDP:O2B	5:C:1334:HOH:O[2_858]	2.09	0.11
1:D:2:PHE:CD1	1:E:100:ILE:N[2_757]	2.09	0.11
1:D:4:LYS:CG	1:E:295:SER:OG[2_757]	2.09	0.11
1:D:5:ILE:CD1	1:E:133:ARG:NH1[2_757]	2.09	0.11
1:D:36:LEU:CA	1:E:110:ARG:CB[2_757]	2.09	0.11
1:D:38:VAL:O	1:E:293:MET:CG[2_757]	2.09	0.11
1:D:38:VAL:CA	1:E:293:MET:CE[2_757]	2.09	0.11
1:D:38:VAL:N	1:E:293:MET:CB[2_757]	2.09	0.11
1:D:65:ILE:CA	1:E:124:ARG:N[2_757]	2.09	0.11
1:D:126:GLU:OE1	1:F:85:LYS:C[2_757]	2.09	0.11
1:D:185:TYR:CD2	1:F:387:GLU:OE1[2_757]	2.09	0.11
1:D:186:ASN:N	1:F:389:SER:O[2_757]	2.09	0.11
1:D:191:ILE:CG2	1:F:392:VAL:C[2_757]	2.09	0.11
1:D:204:ASP:N	1:F:312:GLY:N[2_757]	2.09	0.11
1:D:207:LEU:C	1:F:18:GLU:CA[2_757]	2.09	0.11
1:D:210:PHE:CG	1:F:321:TYR:CG[2_757]	2.09	0.11
1:D:225:PHE:CA	1:F:393:THR:CA[2_757]	2.09	0.11
1:D:239:SER:OG	1:F:338:TRP:CD1[2_757]	2.09	0.11

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:243:GLN:CA	1:F:14:LEU:O[2_757]	2.09	0.11
1:D:246:ILE:CD1	1:F:20:THR:OG1[2_757]	2.09	0.11
1:D:247:HIS:O	1:F:18:GLU:O[2_757]	2.09	0.11
1:D:298:VAL:CA	1:F:285:GLN:OE1[2_757]	2.09	0.11
1:D:300:PRO:CA	1:F:288:GLY:O[2_757]	2.09	0.11
1:D:304:THR:CA	1:F:121:LEU:CB[2_757]	2.09	0.11
1:D:305:PHE:CE2	1:E:261:ILE:CB[2_757]	2.09	0.11
1:D:330:ASN:CB	1:E:241:PHE:C[2_757]	2.09	0.11
1:D:331:SER:OG	1:E:203:ILE:CG1[2_757]	2.09	0.11
1:D:337:ALA:C	1:E:267:PHE:CG[2_757]	2.09	0.11
1:D:356:LYS:CD	1:E:274:TYR:N[2_757]	2.09	0.11
1:D:360:ILE:CB	1:E:194:PHE:CE1[2_757]	2.09	0.11
1:D:368:THR:CG2	1:E:237:TYR:CZ[2_757]	2.09	0.11
1:D:378:ASP:C	1:E:242:GLU:OE1[2_757]	2.09	0.11
1:D:411:SER:CB	1:E:136:HIS:NE2[2_757]	2.09	0.11
1:E:48:GLU:CA	5:E:1522:HOH:O[2_657]	2.09	0.11
1:E:53:THR:OG1	1:E:150:PRO:O[2_657]	2.09	0.11
1:E:55:ASP:N	1:F:157:TYR:OH[2_657]	2.09	0.11
1:E:55:ASP:CB	1:E:148:PRO:CG[2_657]	2.09	0.11
1:E:58:THR:CB	1:F:165:ALA:N[2_657]	2.09	0.11
1:E:58:THR:OG1	1:F:165:ALA:CA[2_657]	2.09	0.11
1:E:59:GLN:NE2	1:F:167:PRO:CG[2_657]	2.09	0.11
1:E:59:GLN:O	1:F:162:PRO:C[2_657]	2.09	0.11
1:E:61:ALA:CA	1:F:163:THR:N[2_657]	2.09	0.11
1:E:83:ARG:C	1:F:224:ARG:CZ[2_657]	2.09	0.11
1:E:84:VAL:C	1:F:224:ARG:CB[2_657]	2.09	0.11
1:E:90:HIS:CG	1:E:180:VAL:O[2_657]	2.09	0.11
1:A:4:LYS:NZ	1:E:152:SER:N[2_657]	2.10	0.10
1:A:12:VAL:CG1	1:A:168:GLN:CG[2_757]	2.10	0.10
1:A:18:GLU:CA	1:B:159:PRO:CA[2_757]	2.10	0.10
1:A:43:TYR:C	1:A:170:LEU:CG[2_757]	2.10	0.10
1:A:47:VAL:CG2	1:A:175:TYR:CD1[2_757]	2.10	0.10
1:A:53:THR:OG1	1:B:142:ALA:CB[2_757]	2.10	0.10
1:A:53:THR:CG2	1:B:142:ALA:CB[2_757]	2.10	0.10
1:A:63:GLU:CB	1:B:179:GLY:C[2_757]	2.10	0.10
1:A:66:LYS:CE	1:B:177:GLY:N[2_757]	2.10	0.10
1:A:86:GLU:CB	1:A:179:GLY:N[2_757]	2.10	0.10
1:A:90:HIS:CG	1:B:138:ASP:OD1[2_757]	2.10	0.10
1:A:92:MET:O	1:A:144:ASP:CG[2_757]	2.10	0.10
1:A:103:ILE:CG1	1:B:173:TYR:CE2[2_757]	2.10	0.10
1:A:104:LEU:N	1:B:174:ASP:CA[2_757]	2.10	0.10

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:104:LEU:CA	1:B:174:ASP:CA[2_757]	2.10	0.10
1:A:104:LEU:CD2	1:B:175:TYR:CB[2_757]	2.10	0.10
1:A:119:PRO:CA	1:C:40:LEU:O[2_858]	2.10	0.10
1:A:207:LEU:CD1	1:C:354:LEU:N[2_858]	2.10	0.10
1:A:214:LYS:CE	1:E:3:SER:N[2_757]	2.10	0.10
1:A:215:ASN:O	1:E:37:ASP:CB[2_757]	2.10	0.10
1:A:217:ILE:C	1:E:36:LEU:O[2_757]	2.10	0.10
1:A:219:LYS:N	1:E:37:ASP:O[2_757]	2.10	0.10
1:A:267:PHE:C	1:C:351:THR:N[2_858]	2.10	0.10
1:A:269:MET:C	1:C:350:ASN:CB[2_858]	2.10	0.10
1:A:306:GLU:CG	1:B:152:SER:CB[2_757]	2.10	0.10
1:A:320:LYS:CE	1:B:163:THR:OG1[2_757]	2.10	0.10
1:A:329:THR:O	1:F:66:LYS:CD[2_657]	2.10	0.10
1:A:375:MET:C	1:F:65:ILE:CD1[2_657]	2.10	0.10
1:A:376:THR:OG1	1:F:65:ILE:N[2_657]	2.10	0.10
1:A:376:THR:O	1:F:64:ALA:C[2_657]	2.10	0.10
1:A:383:CYS:CB	1:F:42:TYR:C[2_657]	2.10	0.10
1:A:386:ASN:ND2	1:F:39:ASP:N[2_657]	2.10	0.10
1:A:389:SER:N	1:F:341:GLY:CA[2_657]	2.10	0.10
1:A:395:GLU:CD	1:F:301:ASP:OD1[2_657]	2.10	0.10
1:A:396:GLU:N	1:F:104:LEU:O[2_657]	2.10	0.10
1:A:396:GLU:C	1:F:104:LEU:CG[2_657]	2.10	0.10
1:A:398:LEU:CA	1:F:103:ILE:N[2_657]	2.10	0.10
1:A:403:LYS:CB	5:F:1654:HOH:O[2_657]	2.10	0.10
1:F:67:LYS:CD	3:A:1101:NDP:N1A[2_657]	2.10	0.10
1:B:26:LYS:CB	1:C:231:GLU:CG[2_858]	2.10	0.10
1:B:43:TYR:CG	1:E:366:LEU:CB[2_757]	2.10	0.10
1:B:56:LYS:O	1:E:336:PHE:CA[2_757]	2.10	0.10
1:B:61:ALA:CB	1:E:365:THR:CA[2_757]	2.10	0.10
1:B:63:GLU:OE1	1:E:330:ASN:C[2_757]	2.10	0.10
1:B:65:ILE:CG2	1:E:368:THR:CB[2_757]	2.10	0.10
1:B:66:LYS:CG	1:E:396:GLU:O[2_757]	2.10	0.10
1:B:66:LYS:CD	1:E:397:PHE:CB[2_757]	2.10	0.10
1:B:75:ALA:CA	5:C:1331:HOH:O[2_858]	2.10	0.10
1:B:79:PRO:CD	1:E:354:LEU:CA[2_757]	2.10	0.10
1:B:81:GLU:O	1:E:349:ASP:C[2_757]	2.10	0.10
1:B:84:VAL:CG1	1:E:349:ASP:OD2[2_757]	2.10	0.10
1:B:84:VAL:N	1:E:346:GLY:O[2_757]	2.10	0.10
1:B:85:LYS:N	1:E:348:LEU:O[2_757]	2.10	0.10
1:B:91:LYS:C	1:E:345:ARG:CD[2_757]	2.10	0.10
1:B:94:LYS:N	1:E:342:LEU:CD2[2_757]	2.10	0.10

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:96:PRO:CG	1:E:357:PHE:C[2_757]	2.10	0.10
1:B:97:ASN:CG	1:E:409:ILE:CD1[2_757]	2.10	0.10
1:B:104:LEU:C	1:E:399:ASP:CA[2_757]	2.10	0.10
1:B:104:LEU:CD1	1:E:401:VAL:C[2_757]	2.10	0.10
1:B:126:GLU:CA	1:C:63:GLU:OE1[2_858]	2.10	0.10
1:B:262:LYS:CA	1:C:67:LYS:NZ[2_858]	2.10	0.10
1:B:288:GLY:CA	1:C:104:LEU:C[2_858]	2.10	0.10
1:B:290:LEU:CD1	1:C:302:GLY:N[2_858]	2.10	0.10
1:B:296:ILE:C	1:E:407:LYS:CG[2_757]	2.10	0.10
1:B:311:HIS:O	1:E:411:SER:O[2_757]	2.10	0.10
1:B:317:HIS:C	1:C:200:LYS:CA[2_858]	2.10	0.10
1:B:322:GLN:NE2	1:C:240:LYS:CG[2_858]	2.10	0.10
1:B:353:ALA:CB	1:C:162:PRO:O[2_858]	2.10	0.10
1:B:361:LEU:CD1	1:D:178:SER:CA[2_858]	2.10	0.10
1:B:362:GLU:C	1:D:175:TYR:CB[2_858]	2.10	0.10
1:B:365:THR:OG1	1:C:188:ASP:N[2_858]	2.10	0.10
1:B:369:VAL:N	1:C:185:TYR:O[2_858]	2.10	0.10
1:B:375:MET:C	1:C:134:HIS:C[2_858]	2.10	0.10
1:B:377:LYS:CA	1:C:133:ARG:O[2_858]	2.10	0.10
1:B:381:LEU:CA	1:C:108:VAL:CG1[2_858]	2.10	0.10
1:B:385:ASN:CA	1:C:110:ARG:NE[2_858]	2.10	0.10
1:B:389:SER:OG	1:C:277:ASP:O[2_858]	2.10	0.10
1:B:398:LEU:CB	1:C:228:ILE:CB[2_858]	2.10	0.10
1:C:316:ARG:O	1:C:321:TYR:C[2_958]	2.10	0.10
1:D:4:LYS:N	1:E:101:ARG:NH2[2_757]	2.10	0.10
1:D:4:LYS:CD	1:E:295:SER:OG[2_757]	2.10	0.10
1:D:8:LYS:NZ	1:F:255:ASP:O[2_757]	2.10	0.10
1:D:11:VAL:O	1:E:287:PHE:CE2[2_757]	2.10	0.10
1:D:14:LEU:CB	1:E:127:LYS:CB[2_757]	2.10	0.10
1:D:34:PRO:O	1:E:296:ILE:CA[2_757]	2.10	0.10
1:D:34:PRO:O	1:E:296:ILE:O[2_757]	2.10	0.10
1:D:82:ALA:C	1:D:85:LYS:O[2_858]	2.10	0.10
1:D:102:ASN:O	1:F:384:GLY:C[2_757]	2.10	0.10
1:D:104:LEU:CG	1:E:124:ARG:CG[2_757]	2.10	0.10
1:D:104:LEU:C	1:F:381:LEU:O[2_757]	2.10	0.10
1:D:105:GLY:N	1:F:381:LEU:C[2_757]	2.10	0.10
1:D:115:ILE:N	1:E:230:GLN:NE2[2_757]	2.10	0.10
1:D:186:ASN:CG	1:F:390:ALA:CA[2_757]	2.10	0.10
1:D:194:PHE:CD2	1:F:328:SER:O[2_757]	2.10	0.10
1:D:205:LYS:CE	3:F:1601:NDP:O1N[2_757]	2.10	0.10
1:D:205:LYS:CD	3:F:1601:NDP:O1N[2_757]	2.10	0.10

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:208:ASN:O	1:F:318:TYR:CD1[2_757]	2.10	0.10
1:D:209:LEU:CD1	1:F:19:MET:SD[2_757]	2.10	0.10
1:D:210:PHE:CD2	1:F:321:TYR:C[2_757]	2.10	0.10
1:D:230:GLN:CG	1:F:30:LYS:NZ[2_757]	2.10	0.10
1:D:232:VAL:CB	1:F:397:PHE:CD2[2_757]	2.10	0.10
1:D:238:LYS:CE	1:F:25:ASP:CG[2_757]	2.10	0.10
1:D:249:GLU:CA	1:F:321:TYR:CZ[2_757]	2.10	0.10
1:D:267:PHE:CD2	1:F:319:ARG:NH1[2_757]	2.10	0.10
1:D:269:MET:CB	1:F:320:LYS:CB[2_757]	2.10	0.10
1:D:300:PRO:O	1:F:289:SER:CB[2_757]	2.10	0.10
1:D:314:VAL:CG2	1:E:244:LEU:O[2_757]	2.10	0.10
1:D:330:ASN:CB	1:E:241:PHE:CG[2_757]	2.10	0.10
1:D:332:ILE:O	1:E:209:LEU:C[2_757]	2.10	0.10
1:D:333:ALA:CB	1:E:247:HIS:CA[2_757]	2.10	0.10
1:D:335:ILE:N	1:E:209:LEU:N[2_757]	2.10	0.10
1:D:336:PHE:CB	1:E:210:PHE:CG[2_757]	2.10	0.10
1:D:336:PHE:C	1:E:210:PHE:CG[2_757]	2.10	0.10
1:D:337:ALA:CA	1:E:267:PHE:CG[2_757]	2.10	0.10
1:D:338:TRP:CD1	1:E:268:ILE:CA[2_757]	2.10	0.10
1:D:340:ARG:C	1:E:269:MET:CE[2_757]	2.10	0.10
1:D:354:LEU:C	1:E:276:GLY:CA[2_757]	2.10	0.10
1:D:355:CYS:C	1:E:275:ASP:C[2_757]	2.10	0.10
1:D:357:PHE:C	1:E:271:LEU:CA[2_757]	2.10	0.10
1:D:357:PHE:N	1:E:272:LYS:C[2_757]	2.10	0.10
1:D:369:VAL:CB	1:E:234:GLU:N[2_757]	2.10	0.10
1:D:405:LEU:CB	1:E:197:SER:CB[2_757]	2.10	0.10
1:E:52:ALA:CB	1:E:175:TYR:CB[2_657]	2.10	0.10
1:E:82:ALA:O	1:F:227:ASP:O[2_657]	2.10	0.10
1:E:86:GLU:CA	1:F:228:ILE:CA[2_657]	2.10	0.10
1:E:87:PHE:CG	1:F:188:ASP:CB[2_657]	2.10	0.10
1:E:90:HIS:ND1	1:E:182:MET:N[2_657]	2.10	0.10
1:E:91:LYS:N	1:E:180:VAL:CB[2_657]	2.10	0.10
1:E:93:TRP:CZ2	1:E:147:ILE:N[2_657]	2.10	0.10
1:A:2:PHE:CG	1:E:155:LEU:CD1[2_657]	2.11	0.09
1:A:4:LYS:CG	1:E:154:GLU:CG[2_657]	2.11	0.09
1:A:18:GLU:CG	1:B:157:TYR:CE2[2_757]	2.11	0.09
1:A:18:GLU:C	1:B:159:PRO:O[2_757]	2.11	0.09
1:A:28:LYS:CB	1:E:176:LYS:CD[2_657]	2.11	0.09
1:A:35:TYR:CB	1:E:171:LYS:CG[2_657]	2.11	0.09
1:A:56:LYS:N	1:B:182:MET:CB[2_757]	2.11	0.09
1:A:61:ALA:CB	1:A:155:LEU:CD1[2_757]	2.11	0.09

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:66:LYS:NZ	1:B:177:GLY:C[2_757]	2.11	0.09
1:A:67:LYS:CB	1:B:148:PRO:N[2_757]	2.11	0.09
1:A:76:THR:CB	1:B:155:LEU:CD1[2_757]	2.11	0.09
1:A:77:ILE:CG1	1:B:157:TYR:CG[2_757]	2.11	0.09
1:A:78:THR:O	1:A:145:THR:C[2_757]	2.11	0.09
1:A:84:VAL:CB	1:A:180:VAL:CG1[2_757]	2.11	0.09
1:A:84:VAL:CG1	1:B:224:ARG:CB[2_757]	2.11	0.09
1:A:85:LYS:CB	1:B:224:ARG:CZ[2_757]	2.11	0.09
1:A:93:TRP:CZ3	1:B:184:MET:SD[2_757]	2.11	0.09
1:A:104:LEU:CB	1:B:151:GLY:O[2_757]	2.11	0.09
1:A:120:ARG:C	1:C:41:LYS:C[2_858]	2.11	0.09
1:A:246:ILE:CB	1:C:356:LYS:CE[2_858]	2.11	0.09
1:A:258:ALA:O	1:C:303:LYS:O[2_858]	2.11	0.09
1:A:262:LYS:CD	1:C:304:THR:O[2_858]	2.11	0.09
1:A:267:PHE:CE1	1:C:346:GLY:O[2_858]	2.11	0.09
1:A:283:VAL:CB	1:C:9:GLN:CA[2_858]	2.11	0.09
1:A:287:PHE:CA	1:C:39:ASP:CG[2_858]	2.11	0.09
1:A:316:ARG:CA	1:B:165:ALA:N[2_757]	2.11	0.09
1:A:317:HIS:CB	1:B:162:PRO:O[2_757]	2.11	0.09
1:A:327:THR:N	1:F:303:LYS:CG[2_657]	2.11	0.09
1:A:368:THR:CA	1:F:58:THR:CB[2_657]	2.11	0.09
1:A:382:ALA:C	1:F:42:TYR:N[2_657]	2.11	0.09
1:A:385:ASN:OD1	1:F:40:LEU:CD1[2_657]	2.11	0.09
1:A:388:ARG:CG	1:F:341:GLY:O[2_657]	2.11	0.09
1:A:403:LYS:CE	1:F:140:TYR:CB[2_657]	2.11	0.09
1:B:166:GLN:O	3:A:1101:NDP:C5D[2_757]	2.11	0.09
1:B:168:GLN:CD	3:A:1101:NDP:C1D[2_757]	2.11	0.09
1:B:12:VAL:CA	1:E:370:GLN:N[2_757]	2.11	0.09
1:B:18:GLU:C	1:C:236:GLN:CA[2_858]	2.11	0.09
1:B:22:ILE:O	1:C:231:GLU:CA[2_858]	2.11	0.09
1:B:26:LYS:O	1:C:231:GLU:CD[2_858]	2.11	0.09
1:B:30:LYS:CD	1:C:227:ASP:OD2[2_858]	2.11	0.09
1:B:39:ASP:CG	1:E:117:ARG:N[2_757]	2.11	0.09
1:B:40:LEU:O	1:E:116:PRO:N[2_757]	2.11	0.09
1:B:53:THR:N	1:E:340:ARG:CG[2_757]	2.11	0.09
1:B:55:ASP:C	1:E:339:SER:N[2_757]	2.11	0.09
1:B:57:ILE:CG2	1:E:339:SER:OG[2_757]	2.11	0.09
1:B:58:THR:OG1	1:E:339:SER:CB[2_757]	2.11	0.09
1:B:60:ASP:C	1:E:332:ILE:CB[2_757]	2.11	0.09
1:B:72:ILE:CB	1:E:371:GLN:NE2[2_757]	2.11	0.09
1:B:84:VAL:CG1	1:E:349:ASP:OD1[2_757]	2.11	0.09

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:PHE:CA	1:E:347:GLU:C[2_757]	2.11	0.09
1:B:96:PRO:CD	1:E:357:PHE:CD2[2_757]	2.11	0.09
1:B:96:PRO:CB	1:E:361:LEU:CA[2_757]	2.11	0.09
1:B:99:THR:CG2	1:E:31:LEU:CB[2_757]	2.11	0.09
1:B:119:PRO:N	1:C:100:ILE:N[2_858]	2.11	0.09
1:B:120:ARG:C	1:C:62:ALA:O[2_858]	2.11	0.09
1:B:122:VAL:CA	1:C:64:ALA:N[2_858]	2.11	0.09
1:B:288:GLY:CA	1:C:104:LEU:CB[2_858]	2.11	0.09
1:B:317:HIS:CA	1:C:200:LYS:C[2_858]	2.11	0.09
1:B:326:GLU:CG	1:C:268:ILE:C[2_858]	2.11	0.09
1:B:353:ALA:CA	1:C:163:THR:C[2_858]	2.11	0.09
1:B:353:ALA:C	1:C:163:THR:C[2_858]	2.11	0.09
1:B:356:LYS:O	1:C:157:TYR:OH[2_858]	2.11	0.09
1:B:360:ILE:CD1	1:C:157:TYR:CE1[2_858]	2.11	0.09
1:B:376:THR:OG1	1:C:194:PHE:CB[2_858]	2.11	0.09
1:B:383:CYS:N	1:C:101:ARG:CD[2_858]	2.11	0.09
1:B:387:GLU:N	1:C:110:ARG:NE[2_858]	2.11	0.09
1:B:391:TYR:OH	1:C:131:ILE:CA[2_858]	2.11	0.09
1:B:391:TYR:O	1:C:271:LEU:O[2_858]	2.11	0.09
1:B:392:VAL:C	1:C:194:PHE:CE1[2_858]	2.11	0.09
1:B:394:THR:CB	1:C:229:PHE:CZ[2_858]	2.11	0.09
1:B:396:GLU:CD	1:C:211:LEU:CD2[2_858]	2.11	0.09
1:B:397:PHE:CB	1:C:225:PHE:CD2[2_858]	2.11	0.09
1:B:404:ARG:CD	1:C:185:TYR:CA[2_858]	2.11	0.09
1:C:319:ARG:CG	1:C:322:GLN:CG[2_958]	2.11	0.09
1:C:324:GLY:CA	3:C:1301:NDP:P2B[2_958]	2.11	0.09
1:D:5:ILE:CB	1:E:133:ARG:NH1[2_757]	2.11	0.09
1:D:6:LYS:N	1:E:110:ARG:NH1[2_757]	2.11	0.09
1:D:9:GLN:OE1	1:E:285:GLN:CB[2_757]	2.11	0.09
1:D:9:GLN:C	1:E:285:GLN:C[2_757]	2.11	0.09
1:D:11:VAL:CA	1:E:283:VAL:O[2_757]	2.11	0.09
1:D:11:VAL:CB	1:E:287:PHE:CE1[2_757]	2.11	0.09
1:D:14:LEU:CB	1:E:127:LYS:CA[2_757]	2.11	0.09
1:D:24:TRP:CZ3	1:E:207:LEU:CD2[2_757]	2.11	0.09
1:D:37:ASP:N	1:E:310:ALA:CB[2_757]	2.11	0.09
1:D:64:ALA:N	1:E:123:PRO:O[2_757]	2.11	0.09
1:D:115:ILE:CD1	1:E:233:TYR:CB[2_757]	2.11	0.09
1:D:186:ASN:C	1:F:390:ALA:N[2_757]	2.11	0.09
1:D:198:SER:CB	1:F:329:THR:CA[2_757]	2.11	0.09
1:D:199:PHE:CE2	1:F:23:ILE:CD1[2_757]	2.11	0.09
1:D:200:LYS:N	1:F:311:HIS:NE2[2_757]	2.11	0.09

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:203:ILE:O	1:F:75:ALA:CB[2_757]	2.11	0.09
1:D:206:LYS:O	1:F:77:ILE:CD1[2_757]	2.11	0.09
1:D:208:ASN:CB	1:F:318:TYR:CD1[2_757]	2.11	0.09
1:D:210:PHE:CG	1:F:321:TYR:CD2[2_757]	2.11	0.09
1:D:212:SER:N	1:F:326:GLU:N[2_757]	2.11	0.09
1:D:224:ARG:CG	1:F:392:VAL:CG1[2_757]	2.11	0.09
1:D:228:ILE:CA	1:F:396:GLU:O[2_757]	2.11	0.09
1:D:236:GLN:CD	1:F:335:ILE:CG1[2_757]	2.11	0.09
1:D:239:SER:O	1:F:24:TRP:CG[2_757]	2.11	0.09
1:D:239:SER:N	1:F:24:TRP:CD2[2_757]	2.11	0.09
1:D:240:LYS:O	1:F:74:CYS:CA[2_757]	2.11	0.09
1:D:257:VAL:N	1:F:323:LYS:O[2_757]	2.11	0.09
1:D:268:ILE:CG2	1:F:316:ARG:C[2_757]	2.11	0.09
1:D:294:THR:CG2	1:E:210:PHE:CD2[2_757]	2.11	0.09
1:D:296:ILE:CG2	1:E:259:GLN:NE2[2_757]	2.11	0.09
1:D:297:LEU:CA	1:E:262:LYS:CE[2_757]	2.11	0.09
1:D:303:LYS:CG	1:F:287:PHE:CA[2_757]	2.11	0.09
1:D:305:PHE:CA	1:E:261:ILE:CA[2_757]	2.11	0.09
1:D:305:PHE:C	1:E:262:LYS:CA[2_757]	2.11	0.09
1:D:305:PHE:O	1:E:261:ILE:C[2_757]	2.11	0.09
1:D:330:ASN:O	1:E:246:ILE:CB[2_757]	2.11	0.09
1:D:338:TRP:O	1:E:269:MET:SD[2_757]	2.11	0.09
1:D:341:GLY:O	1:E:260:MET:CE[2_757]	2.11	0.09
1:D:343:LEU:N	1:E:269:MET:CE[2_757]	2.11	0.09
1:D:345:ARG:CD	1:E:283:VAL:CA[2_757]	2.11	0.09
1:D:348:LEU:CG	1:F:282:ILE:CB[2_757]	2.11	0.09
1:D:349:ASP:C	1:F:257:VAL:CA[2_757]	2.11	0.09
1:D:353:ALA:C	1:E:277:ASP:CB[2_757]	2.11	0.09
1:D:355:CYS:C	1:E:275:ASP:CG[2_757]	2.11	0.09
1:D:357:PHE:CE1	1:E:133:ARG:C[2_757]	2.11	0.09
1:D:361:LEU:CD1	1:E:269:MET:O[2_757]	2.11	0.09
1:D:365:THR:O	1:E:199:PHE:CE1[2_757]	2.11	0.09
1:D:367:ASN:ND2	1:E:228:ILE:CG2[2_757]	2.11	0.09
1:D:401:VAL:O	1:E:197:SER:CB[2_757]	2.11	0.09
1:D:401:VAL:CG2	1:E:199:PHE:N[2_757]	2.11	0.09
1:D:406:GLN:OE1	1:E:300:PRO:C[2_757]	2.11	0.09
1:D:406:GLN:CD	1:E:299:THR:CA[2_757]	2.11	0.09
1:D:408:GLU:CA	1:E:134:HIS:NE2[2_757]	2.11	0.09
1:D:410:LYS:C	1:E:136:HIS:CB[2_757]	2.11	0.09
1:E:251:ARG:NH1	5:D:1410:HOH:O[2_757]	2.11	0.09
1:E:45:LEU:CD1	1:F:164:THR:CA[2_657]	2.11	0.09

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:51:ASP:OD2	1:E:179:GLY:CA[2_657]	2.11	0.09
1:E:54:SER:O	1:F:157:TYR:CE2[2_657]	2.11	0.09
1:E:54:SER:CA	1:F:157:TYR:CD1[2_657]	2.11	0.09
1:E:56:LYS:CE	1:F:157:TYR:C[2_657]	2.11	0.09
1:E:58:THR:C	1:F:165:ALA:C[2_657]	2.11	0.09
1:E:60:ASP:CB	1:F:160:SER:O[2_657]	2.11	0.09
1:E:62:ALA:CA	1:F:163:THR:N[2_657]	2.11	0.09
1:E:81:GLU:N	5:F:1630:HOH:O[2_657]	2.11	0.09
1:E:84:VAL:CA	1:F:224:ARG:C[2_657]	2.11	0.09
1:E:90:HIS:N	1:E:180:VAL:CG1[2_657]	2.11	0.09
1:E:93:TRP:CE3	1:E:147:ILE:N[2_657]	2.11	0.09
1:E:99:THR:O	1:F:166:GLN:CD[2_657]	2.11	0.09
1:A:10:PRO:CD	1:A:166:GLN:NE2[2_757]	2.12	0.08
1:A:14:LEU:CB	1:A:156:VAL:CB[2_757]	2.12	0.08
1:A:15:ASP:N	1:A:169:THR:CG2[2_757]	2.12	0.08
1:A:15:ASP:OD1	1:A:154:GLU:CG[2_757]	2.12	0.08
1:A:46:SER:CB	1:A:153:LEU:CB[2_757]	2.12	0.08
1:A:46:SER:O	1:A:172:VAL:CG1[2_757]	2.12	0.08
1:A:48:GLU:CA	1:B:185:TYR:CD2[2_757]	2.12	0.08
1:A:48:GLU:OE2	1:A:175:TYR:CA[2_757]	2.12	0.08
1:A:49:SER:CA	1:A:172:VAL:C[2_757]	2.12	0.08
1:A:53:THR:OG1	1:B:142:ALA:C[2_757]	2.12	0.08
1:A:69:GLY:C	1:A:159:PRO:CA[2_757]	2.12	0.08
1:A:73:LYS:CB	1:A:156:VAL:CB[2_757]	2.12	0.08
1:A:78:THR:O	1:A:146:LEU:N[2_757]	2.12	0.08
1:A:88:ASN:OD1	1:B:190:SER:CA[2_757]	2.12	0.08
1:A:90:HIS:CD2	1:B:138:ASP:CG[2_757]	2.12	0.08
1:A:90:HIS:CA	1:B:138:ASP:OD1[2_757]	2.12	0.08
1:A:93:TRP:O	1:A:144:ASP:N[2_757]	2.12	0.08
1:A:102:ASN:N	1:B:173:TYR:CA[2_757]	2.12	0.08
1:A:114:VAL:CG2	1:C:38:VAL:CA[2_858]	2.12	0.08
1:A:122:VAL:CG2	1:C:68:TYR:CG[2_858]	2.12	0.08
1:A:124:ARG:N	1:C:72:ILE:N[2_858]	2.12	0.08
1:A:129:ILE:O	1:C:8:LYS:CA[2_858]	2.12	0.08
1:A:183:ALA:CA	5:A:1109:HOH:O[2_757]	2.12	0.08
1:A:208:ASN:N	1:C:352:PRO:C[2_858]	2.12	0.08
1:A:217:ILE:O	1:E:37:ASP:CA[2_757]	2.12	0.08
1:A:262:LYS:C	1:C:70:VAL:CG2[2_858]	2.12	0.08
1:A:287:PHE:O	1:C:39:ASP:CA[2_858]	2.12	0.08
1:A:321:TYR:N	1:B:161:ASP:CB[2_757]	2.12	0.08
1:A:372:ASP:OD2	1:F:96:PRO:CB[2_657]	2.12	0.08

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:381:LEU:O	1:F:41:LYS:N[2_657]	2.12	0.08
1:A:385:ASN:O	1:F:11:VAL:C[2_657]	2.12	0.08
1:A:391:TYR:C	1:F:71:GLY:N[2_657]	2.12	0.08
1:A:405:LEU:CA	1:F:94:LYS:NZ[2_657]	2.12	0.08
1:B:167:PRO:O	3:A:1101:NDP:O4D[2_757]	2.12	0.08
1:F:66:LYS:CB	5:A:1105:HOH:O[2_657]	2.12	0.08
1:B:12:VAL:CA	1:E:366:LEU:O[2_757]	2.12	0.08
1:B:14:LEU:CD1	1:E:363:SER:O[2_757]	2.12	0.08
1:B:22:ILE:N	1:C:232:VAL:O[2_858]	2.12	0.08
1:B:23:ILE:N	1:C:232:VAL:N[2_858]	2.12	0.08
1:B:27:ILE:CD1	1:C:192:GLU:CD[2_858]	2.12	0.08
1:B:30:LYS:CG	1:C:227:ASP:OD2[2_858]	2.12	0.08
1:B:41:LYS:CD	1:E:115:ILE:CG2[2_757]	2.12	0.08
1:B:41:LYS:CD	1:E:115:ILE:O[2_757]	2.12	0.08
1:B:43:TYR:CZ	1:E:115:ILE:CD1[2_757]	2.12	0.08
1:B:69:GLY:N	1:E:374:ILE:CB[2_757]	2.12	0.08
1:B:72:ILE:O	1:E:367:ASN:CG[2_757]	2.12	0.08
1:B:117:ARG:NH1	1:C:140:TYR:CA[2_858]	2.12	0.08
1:B:119:PRO:CA	1:C:100:ILE:N[2_858]	2.12	0.08
1:B:120:ARG:CG	1:C:103:ILE:CB[2_858]	2.12	0.08
1:B:122:VAL:CG1	1:C:64:ALA:C[2_858]	2.12	0.08
1:B:124:ARG:CA	1:C:60:ASP:O[2_858]	2.12	0.08
1:B:125:TRP:CZ3	1:C:67:LYS:N[2_858]	2.12	0.08
1:B:126:GLU:CB	1:C:63:GLU:OE2[2_858]	2.12	0.08
1:B:289:SER:CB	1:C:300:PRO:CD[2_858]	2.12	0.08
1:B:290:LEU:CG	1:C:301:ASP:N[2_858]	2.12	0.08
1:B:306:GLU:OE1	1:E:404:ARG:CA[2_757]	2.12	0.08
1:B:316:ARG:O	1:C:200:LYS:CA[2_858]	2.12	0.08
1:B:318:TYR:CG	1:C:236:GLN:O[2_858]	2.12	0.08
1:B:321:TYR:CZ	1:C:233:TYR:CD2[2_858]	2.12	0.08
1:B:322:GLN:N	1:C:241:PHE:CE1[2_858]	2.12	0.08
1:B:329:THR:CA	1:C:196:HIS:N[2_858]	2.12	0.08
1:B:345:ARG:NH1	1:E:372:ASP:C[2_757]	2.12	0.08
1:B:351:THR:CA	1:C:163:THR:OG1[2_858]	2.12	0.08
1:B:353:ALA:C	1:C:165:ALA:N[2_858]	2.12	0.08
1:B:358:ALA:N	1:D:149:GLY:CA[2_858]	2.12	0.08
1:B:360:ILE:CG2	1:C:157:TYR:CE1[2_858]	2.12	0.08
1:B:365:THR:C	1:C:187:THR:CA[2_858]	2.12	0.08
1:B:371:GLN:CB	1:C:184:MET:CA[2_858]	2.12	0.08
1:B:373:GLY:N	1:C:138:ASP:CB[2_858]	2.12	0.08
1:B:381:LEU:CB	1:C:296:ILE:C[2_858]	2.12	0.08

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:384:GLY:C	1:C:308:GLU:CD[2_858]	2.12	0.08
1:B:388:ARG:NE	1:C:269:MET:C[2_858]	2.12	0.08
1:B:395:GLU:N	1:C:229:PHE:CE1[2_858]	2.12	0.08
1:B:403:LYS:CB	1:C:220:LYS:C[2_858]	2.12	0.08
1:B:405:LEU:CA	1:D:147:ILE:N[2_858]	2.12	0.08
1:C:317:HIS:CE1	1:C:324:GLY:O[2_958]	2.12	0.08
1:C:388:ARG:O	1:C:388:ARG:NH1[2_958]	2.12	0.08
1:D:23:ILE:CA	1:E:206:LYS:CB[2_757]	2.12	0.08
1:D:31:LEU:N	1:E:109:PHE:CD2[2_757]	2.12	0.08
1:D:32:ILE:CA	1:E:109:PHE:CB[2_757]	2.12	0.08
1:D:32:ILE:CA	1:E:109:PHE:CA[2_757]	2.12	0.08
1:D:38:VAL:O	1:E:293:MET:C[2_757]	2.12	0.08
1:D:39:ASP:CG	1:E:292:LEU:CB[2_757]	2.12	0.08
1:D:40:LEU:CG	1:E:112:PRO:CB[2_757]	2.12	0.08
1:D:64:ALA:C	1:E:122:VAL:O[2_757]	2.12	0.08
1:D:64:ALA:O	1:E:123:PRO:CA[2_757]	2.12	0.08
1:D:70:VAL:N	1:E:125:TRP:CZ2[2_757]	2.12	0.08
1:D:135:ALA:C	1:F:381:LEU:CD1[2_757]	2.12	0.08
1:D:200:LYS:CE	1:F:292:LEU:N[2_757]	2.12	0.08
1:D:203:ILE:CG1	1:F:20:THR:CG2[2_757]	2.12	0.08
1:D:236:GLN:CA	1:F:335:ILE:N[2_757]	2.12	0.08
1:D:237:TYR:CD1	1:F:331:SER:CA[2_757]	2.12	0.08
1:D:237:TYR:O	1:F:24:TRP:CB[2_757]	2.12	0.08
1:D:239:SER:OG	1:F:338:TRP:CD2[2_757]	2.12	0.08
1:D:240:LYS:N	1:F:24:TRP:CZ2[2_757]	2.12	0.08
1:D:240:LYS:C	1:F:74:CYS:CA[2_757]	2.12	0.08
1:D:272:LYS:CD	1:F:326:GLU:CD[2_757]	2.12	0.08
1:D:294:THR:CB	1:E:251:ARG:CZ[2_757]	2.12	0.08
1:D:296:ILE:N	1:E:259:GLN:OE1[2_757]	2.12	0.08
1:D:305:PHE:CZ	1:F:285:GLN:CB[2_757]	2.12	0.08
1:D:328:SER:CA	1:E:243:GLN:CD[2_757]	2.12	0.08
1:D:329:THR:C	1:E:241:PHE:N[2_757]	2.12	0.08
1:D:330:ASN:CA	1:E:241:PHE:N[2_757]	2.12	0.08
1:D:333:ALA:O	1:E:208:ASN:CA[2_757]	2.12	0.08
1:D:339:SER:OG	1:E:210:PHE:C[2_757]	2.12	0.08
1:D:340:ARG:CZ	1:E:251:ARG:CG[2_757]	2.12	0.08
1:D:341:GLY:CA	1:E:269:MET:SD[2_757]	2.12	0.08
1:D:346:GLY:CA	1:E:279:GLN:OE1[2_757]	2.12	0.08
1:D:356:LYS:NZ	1:E:139:GLN:NE2[2_757]	2.12	0.08
1:D:360:ILE:N	1:E:272:LYS:N[2_757]	2.12	0.08
1:D:361:LEU:N	1:E:194:PHE:CE2[2_757]	2.12	0.08

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:370:GLN:N	1:E:232:VAL:CA[2_757]	2.12	0.08
1:D:379:LEU:CD1	1:E:238:LYS:CG[2_757]	2.12	0.08
1:D:392:VAL:CG2	1:E:240:LYS:CD[2_757]	2.12	0.08
1:D:401:VAL:CG1	1:E:198:SER:CA[2_757]	2.12	0.08
1:D:404:ARG:O	1:E:193:GLY:N[2_757]	2.12	0.08
1:D:411:SER:O	1:E:186:ASN:ND2[2_757]	2.12	0.08
1:E:43:TYR:CE2	1:F:161:ASP:CB[2_657]	2.12	0.08
1:E:52:ALA:N	1:E:175:TYR:CB[2_657]	2.12	0.08
1:E:56:LYS:C	1:F:159:PRO:C[2_657]	2.12	0.08
1:E:60:ASP:CG	1:F:159:PRO:O[2_657]	2.12	0.08
1:E:82:ALA:O	1:F:227:ASP:CA[2_657]	2.12	0.08
1:E:84:VAL:CG1	1:F:221:TYR:O[2_657]	2.12	0.08
1:E:89:LEU:CD1	1:F:224:ARG:CD[2_657]	2.12	0.08
1:E:90:HIS:O	1:F:221:TYR:CD1[2_657]	2.12	0.08
1:E:91:LYS:CG	1:E:145:THR:CG2[2_657]	2.12	0.08
1:F:228:ILE:N	5:E:1524:HOH:O[2_657]	2.12	0.08
1:A:13:GLU:O	1:A:169:THR:C[2_757]	2.13	0.07
1:A:15:ASP:CB	1:A:154:GLU:OE2[2_757]	2.13	0.07
1:A:18:GLU:O	1:B:158:LYS:C[2_757]	2.13	0.07
1:A:32:ILE:O	1:E:174:ASP:CG[2_657]	2.13	0.07
1:A:33:LEU:CA	1:E:174:ASP:O[2_657]	2.13	0.07
1:A:34:PRO:N	1:E:174:ASP:C[2_657]	2.13	0.07
1:A:44:ASP:OD2	1:A:171:LYS:CA[2_757]	2.13	0.07
1:A:45:LEU:CD1	1:A:155:LEU:CB[2_757]	2.13	0.07
1:A:48:GLU:OE1	1:A:173:TYR:C[2_757]	2.13	0.07
1:A:52:ALA:C	1:B:138:ASP:O[2_757]	2.13	0.07
1:A:53:THR:CG2	1:B:143:THR:N[2_757]	2.13	0.07
1:A:54:SER:CA	1:B:184:MET:SD[2_757]	2.13	0.07
1:A:59:GLN:OE1	1:A:186:ASN:N[2_757]	2.13	0.07
1:A:60:ASP:CG	1:B:145:THR:O[2_757]	2.13	0.07
1:A:67:LYS:CA	1:B:148:PRO:CB[2_757]	2.13	0.07
1:A:68:TYR:C	1:A:165:ALA:N[2_757]	2.13	0.07
1:A:69:GLY:C	1:A:159:PRO:C[2_757]	2.13	0.07
1:A:72:ILE:C	1:A:156:VAL:CG1[2_757]	2.13	0.07
1:A:73:LYS:NZ	1:B:155:LEU:O[2_757]	2.13	0.07
1:A:73:LYS:CD	1:B:154:GLU:CA[2_757]	2.13	0.07
1:A:75:ALA:N	1:B:156:VAL:CB[2_757]	2.13	0.07
1:A:84:VAL:N	1:A:180:VAL:CG1[2_757]	2.13	0.07
1:A:87:PHE:CD2	1:A:175:TYR:CB[2_757]	2.13	0.07
1:A:88:ASN:CG	1:B:190:SER:C[2_757]	2.13	0.07
1:A:100:ILE:CD1	1:B:153:LEU:CD1[2_757]	2.13	0.07

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:100:ILE:CG2	1:B:153:LEU:C[2_757]	2.13	0.07
1:A:101:ARG:O	1:B:174:ASP:N[2_757]	2.13	0.07
1:A:114:VAL:CG1	1:C:38:VAL:O[2_858]	2.13	0.07
1:A:124:ARG:NH1	1:C:306:GLU:C[2_858]	2.13	0.07
1:A:126:GLU:C	1:C:342:LEU:CD2[2_858]	2.13	0.07
1:A:144:ASP:OD2	1:B:219:LYS:CD[2_757]	2.13	0.07
1:A:215:ASN:O	1:E:6:LYS:CA[2_757]	2.13	0.07
1:A:218:LEU:N	1:E:37:ASP:CB[2_757]	2.13	0.07
1:A:262:LYS:CG	1:C:305:PHE:CD1[2_858]	2.13	0.07
1:A:267:PHE:CB	1:C:346:GLY:C[2_858]	2.13	0.07
1:A:268:ILE:O	1:C:351:THR:N[2_858]	2.13	0.07
1:A:269:MET:CG	1:C:349:ASP:N[2_858]	2.13	0.07
1:A:271:LEU:CD1	1:C:8:LYS:NZ[2_858]	2.13	0.07
1:A:287:PHE:CA	1:C:39:ASP:CB[2_858]	2.13	0.07
1:A:292:LEU:CD2	1:F:60:ASP:OD1[2_657]	2.13	0.07
1:A:294:THR:CB	1:C:6:LYS:NZ[2_858]	2.13	0.07
1:A:318:TYR:C	1:B:161:ASP:CB[2_757]	2.13	0.07
1:A:318:TYR:CD2	1:B:160:SER:N[2_757]	2.13	0.07
1:A:321:TYR:C	1:F:303:LYS:NZ[2_657]	2.13	0.07
1:A:366:LEU:CB	1:F:56:LYS:CB[2_657]	2.13	0.07
1:A:369:VAL:N	1:F:58:THR:O[2_657]	2.13	0.07
1:A:376:THR:N	1:F:65:ILE:CG1[2_657]	2.13	0.07
1:A:377:LYS:CD	5:F:1625:HOH:O[2_657]	2.13	0.07
1:A:379:LEU:CB	1:F:43:TYR:OH[2_657]	2.13	0.07
1:A:380:ALA:C	1:F:41:LYS:CB[2_657]	2.13	0.07
1:A:380:ALA:C	1:F:41:LYS:CA[2_657]	2.13	0.07
1:A:393:THR:N	1:F:304:THR:CG2[2_657]	2.13	0.07
1:A:397:PHE:O	1:F:100:ILE:O[2_657]	2.13	0.07
1:A:402:GLU:CD	1:F:102:ASN:ND2[2_657]	2.13	0.07
1:A:403:LYS:CB	1:F:140:TYR:O[2_657]	2.13	0.07
1:A:405:LEU:O	1:F:94:LYS:CE[2_657]	2.13	0.07
1:B:14:LEU:N	1:E:367:ASN:ND2[2_757]	2.13	0.07
1:B:18:GLU:CA	1:C:236:GLN:CG[2_858]	2.13	0.07
1:B:18:GLU:C	1:C:236:GLN:O[2_858]	2.13	0.07
1:B:45:LEU:C	1:E:359:ASN:OD1[2_757]	2.13	0.07
1:B:47:VAL:CA	1:E:343:LEU:CD1[2_757]	2.13	0.07
1:B:49:SER:CA	1:E:340:ARG:NE[2_757]	2.13	0.07
1:B:55:ASP:CG	1:E:338:TRP:O[2_757]	2.13	0.07
1:B:57:ILE:CG1	1:E:336:PHE:CE1[2_757]	2.13	0.07
1:B:59:GLN:O	1:E:335:ILE:CG1[2_757]	2.13	0.07
1:B:60:ASP:CG	1:E:333:ALA:CA[2_757]	2.13	0.07

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:66:LYS:CE	1:E:396:GLU:O[2_757]	2.13	0.07
1:B:66:LYS:CB	1:E:397:PHE:C[2_757]	2.13	0.07
1:B:81:GLU:CG	1:E:8:LYS:CA[2_757]	2.13	0.07
1:B:86:GLU:C	1:E:347:GLU:O[2_757]	2.13	0.07
1:B:87:PHE:C	1:E:347:GLU:O[2_757]	2.13	0.07
1:B:93:TRP:NE1	1:E:342:LEU:CA[2_757]	2.13	0.07
1:B:99:THR:C	1:E:31:LEU:CA[2_757]	2.13	0.07
1:B:102:ASN:ND2	1:E:30:LYS:CG[2_757]	2.13	0.07
1:B:104:LEU:N	1:E:402:GLU:CB[2_757]	2.13	0.07
1:B:117:ARG:CZ	1:C:140:TYR:O[2_858]	2.13	0.07
1:B:119:PRO:C	1:C:100:ILE:C[2_858]	2.13	0.07
1:B:122:VAL:CA	1:C:65:ILE:CA[2_858]	2.13	0.07
1:B:285:GLN:NE2	1:C:304:THR:N[2_858]	2.13	0.07
1:B:287:PHE:CD2	1:C:66:LYS:CD[2_858]	2.13	0.07
1:B:289:SER:C	1:C:301:ASP:OD1[2_858]	2.13	0.07
1:B:321:TYR:CZ	1:C:233:TYR:CZ[2_858]	2.13	0.07
1:B:326:GLU:N	1:C:209:LEU:C[2_858]	2.13	0.07
1:B:332:ILE:O	1:C:189:GLU:CD[2_858]	2.13	0.07
1:B:356:LYS:CA	1:C:159:PRO:CB[2_858]	2.13	0.07
1:B:359:ASN:CA	1:D:150:PRO:O[2_858]	2.13	0.07
1:B:369:VAL:CG2	1:C:137:GLY:N[2_858]	2.13	0.07
1:B:372:ASP:CB	1:C:184:MET:CG[2_858]	2.13	0.07
1:B:378:ASP:CB	1:C:106:GLY:CA[2_858]	2.13	0.07
1:B:388:ARG:CZ	1:C:269:MET:C[2_858]	2.13	0.07
1:B:395:GLU:OE1	1:C:248:TYR:OH[2_858]	2.13	0.07
1:B:396:GLU:CA	1:C:225:PHE:CB[2_858]	2.13	0.07
1:B:397:PHE:O	1:C:225:PHE:CE1[2_858]	2.13	0.07
1:B:397:PHE:CE2	1:C:191:ILE:CB[2_858]	2.13	0.07
1:B:404:ARG:NH1	1:C:184:MET:O[2_858]	2.13	0.07
1:C:300:PRO:O	3:B:1201:NDP:N9A[2_858]	2.13	0.07
1:C:156:VAL:O	5:B:1205:HOH:O[2_858]	2.13	0.07
1:C:205:LYS:CA	5:B:1208:HOH:O[2_858]	2.13	0.07
1:C:326:GLU:CG	1:C:328:SER:CB[2_958]	2.13	0.07
1:D:11:VAL:N	1:E:287:PHE:CD1[2_757]	2.13	0.07
1:D:14:LEU:CB	1:E:126:GLU:C[2_757]	2.13	0.07
1:D:14:LEU:CG	1:E:126:GLU:CG[2_757]	2.13	0.07
1:D:22:ILE:CG2	1:E:206:LYS:CE[2_757]	2.13	0.07
1:D:32:ILE:CD1	1:E:130:ILE:CG2[2_757]	2.13	0.07
1:D:37:ASP:OD2	1:E:310:ALA:C[2_757]	2.13	0.07
1:D:37:ASP:OD1	1:E:309:ALA:C[2_757]	2.13	0.07
1:D:39:ASP:OD2	1:E:289:SER:O[2_757]	2.13	0.07

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:40:LEU:CA	1:E:112:PRO:CG[2_757]	2.13	0.07
1:D:65:ILE:CA	1:E:125:TRP:N[2_757]	2.13	0.07
1:D:73:LYS:CA	1:E:265:GLY:C[2_757]	2.13	0.07
1:D:81:GLU:N	1:D:88:ASN:CG[2_858]	2.13	0.07
1:D:109:PHE:CA	3:F:1601:NDP:O1X[2_757]	2.13	0.07
1:D:111:GLU:C	1:E:249:GLU:OE2[2_757]	2.13	0.07
1:D:186:ASN:CA	1:F:390:ALA:CB[2_757]	2.13	0.07
1:D:189:GLU:CB	1:F:375:MET:SD[2_757]	2.13	0.07
1:D:190:SER:CA	1:F:375:MET:CG[2_757]	2.13	0.07
1:D:190:SER:OG	1:F:380:ALA:C[2_757]	2.13	0.07
1:D:192:GLU:N	1:F:375:MET:O[2_757]	2.13	0.07
1:D:205:LYS:CD	3:F:1601:NDP:O2N[2_757]	2.13	0.07
1:D:205:LYS:CA	3:F:1601:NDP:C2D[2_757]	2.13	0.07
1:D:207:LEU:CD1	1:F:315:THR:CG2[2_757]	2.13	0.07
1:D:208:ASN:CG	1:F:318:TYR:CZ[2_757]	2.13	0.07
1:D:209:LEU:C	1:F:19:MET:CE[2_757]	2.13	0.07
1:D:228:ILE:CB	1:F:397:PHE:CB[2_757]	2.13	0.07
1:D:232:VAL:CG1	1:F:331:SER:N[2_757]	2.13	0.07
1:D:234:GLU:OE2	1:F:30:LYS:NZ[2_757]	2.13	0.07
1:D:237:TYR:CZ	1:F:334:SER:N[2_757]	2.13	0.07
1:D:237:TYR:OH	5:F:1604:HOH:O[2_757]	2.13	0.07
1:D:241:PHE:O	1:F:15:ASP:OD1[2_757]	2.13	0.07
1:D:244:LEU:CA	1:F:16:GLY:N[2_757]	2.13	0.07
1:D:244:LEU:C	1:F:16:GLY:C[2_757]	2.13	0.07
1:D:269:MET:CA	1:F:317:HIS:O[2_757]	2.13	0.07
1:D:269:MET:CG	1:F:319:ARG:O[2_757]	2.13	0.07
1:D:292:LEU:CA	1:E:248:TYR:O[2_757]	2.13	0.07
1:D:300:PRO:C	1:F:289:SER:CB[2_757]	2.13	0.07
1:D:301:ASP:CB	1:F:287:PHE:CA[2_757]	2.13	0.07
1:D:304:THR:N	1:F:286:GLY:CA[2_757]	2.13	0.07
1:D:306:GLU:C	1:E:263:SER:N[2_757]	2.13	0.07
1:D:329:THR:OG1	1:E:244:LEU:CG[2_757]	2.13	0.07
1:D:334:SER:N	1:E:209:LEU:N[2_757]	2.13	0.07
1:D:340:ARG:CZ	1:E:251:ARG:CA[2_757]	2.13	0.07
1:D:347:GLU:CB	1:F:278:VAL:CG1[2_757]	2.13	0.07
1:D:348:LEU:CD2	1:F:282:ILE:C[2_757]	2.13	0.07
1:D:356:LYS:CA	1:E:275:ASP:N[2_757]	2.13	0.07
1:D:357:PHE:CB	1:E:133:ARG:CG[2_757]	2.13	0.07
1:D:363:SER:N	1:E:211:LEU:CG[2_757]	2.13	0.07
1:D:367:ASN:CG	1:E:228:ILE:CA[2_757]	2.13	0.07
1:D:370:GLN:O	1:E:231:GLU:CB[2_757]	2.13	0.07

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:372:ASP:OD1	1:E:192:GLU:OE2[2_757]	2.13	0.07
1:D:398:LEU:CA	1:E:200:LYS:CB[2_757]	2.13	0.07
1:D:400:ALA:O	1:E:196:HIS:CA[2_757]	2.13	0.07
1:D:404:ARG:CG	1:E:193:GLY:N[2_757]	2.13	0.07
1:D:406:GLN:NE2	1:E:299:THR:C[2_757]	2.13	0.07
1:E:243:GLN:CD	5:D:1411:HOH:O[2_757]	2.13	0.07
1:E:43:TYR:CD2	1:F:161:ASP:CA[2_657]	2.13	0.07
1:E:48:GLU:CA	1:E:178:SER:N[2_657]	2.13	0.07
1:E:55:ASP:CB	1:F:157:TYR:CE2[2_657]	2.13	0.07
1:E:83:ARG:CB	1:F:224:ARG:NH1[2_657]	2.13	0.07
1:E:86:GLU:O	1:F:192:GLU:N[2_657]	2.13	0.07
1:E:90:HIS:CG	1:E:181:ALA:C[2_657]	2.13	0.07
1:A:4:LYS:CE	1:E:153:LEU:CA[2_657]	2.14	0.06
1:A:11:VAL:CG1	1:A:167:PRO:CB[2_757]	2.14	0.06
1:A:14:LEU:CB	1:A:155:LEU:O[2_757]	2.14	0.06
1:A:21:ARG:CG	1:A:152:SER:CB[2_757]	2.14	0.06
1:A:59:GLN:C	1:B:180:VAL:C[2_757]	2.14	0.06
1:A:60:ASP:C	1:B:145:THR:O[2_757]	2.14	0.06
1:A:65:ILE:CG1	1:A:157:TYR:CB[2_757]	2.14	0.06
1:A:73:LYS:CE	1:B:154:GLU:O[2_757]	2.14	0.06
1:A:88:ASN:CA	1:B:188:ASP:N[2_757]	2.14	0.06
1:A:92:MET:N	1:B:222:ASP:N[2_757]	2.14	0.06
1:A:94:LYS:CA	1:A:143:THR:O[2_757]	2.14	0.06
1:A:97:ASN:ND2	1:B:169:THR:C[2_757]	2.14	0.06
1:A:98:GLY:C	1:B:172:VAL:C[2_757]	2.14	0.06
1:A:102:ASN:OD1	1:A:185:TYR:CZ[2_757]	2.14	0.06
1:A:104:LEU:CD1	1:B:152:SER:CA[2_757]	2.14	0.06
1:A:115:ILE:CG2	1:F:57:ILE:CA[2_657]	2.14	0.06
1:A:120:ARG:CG	1:C:40:LEU:CB[2_858]	2.14	0.06
1:A:121:LEU:CA	1:C:41:LYS:CG[2_858]	2.14	0.06
1:A:127:LYS:CB	1:C:354:LEU:CD2[2_858]	2.14	0.06
1:A:162:PRO:CB	1:A:345:ARG:CA[2_757]	2.14	0.06
1:A:183:ALA:CB	5:A:1109:HOH:O[2_757]	2.14	0.06
1:A:217:ILE:CG2	1:E:4:LYS:CE[2_757]	2.14	0.06
1:A:261:ILE:C	1:C:70:VAL:N[2_858]	2.14	0.06
1:A:266:GLY:N	1:C:354:LEU:CD2[2_858]	2.14	0.06
1:A:283:VAL:CG2	1:C:9:GLN:CD[2_858]	2.14	0.06
1:A:283:VAL:O	1:C:10:PRO:N[2_858]	2.14	0.06
1:A:283:VAL:CB	1:C:9:GLN:N[2_858]	2.14	0.06
1:A:315:THR:CA	1:B:165:ALA:CB[2_757]	2.14	0.06
1:A:319:ARG:O	1:B:161:ASP:CG[2_757]	2.14	0.06

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:326:GLU:CG	1:F:305:PHE:CE2[2_657]	2.14	0.06
1:A:329:THR:CA	1:F:66:LYS:C[2_657]	2.14	0.06
1:A:369:VAL:CG1	1:F:61:ALA:CB[2_657]	2.14	0.06
1:A:372:ASP:CG	1:F:95:SER:C[2_657]	2.14	0.06
1:A:372:ASP:O	1:F:73:LYS:NZ[2_657]	2.14	0.06
1:A:393:THR:CG2	1:F:305:PHE:N[2_657]	2.14	0.06
1:A:404:ARG:CZ	1:F:94:LYS:C[2_657]	2.14	0.06
1:B:10:PRO:N	1:E:117:ARG:NH1[2_757]	2.14	0.06
1:B:11:VAL:O	1:E:370:GLN:CD[2_757]	2.14	0.06
1:B:30:LYS:CD	5:C:1323:HOH:O[2_858]	2.14	0.06
1:B:51:ASP:O	1:E:340:ARG:O[2_757]	2.14	0.06
1:B:55:ASP:CG	1:E:338:TRP:CB[2_757]	2.14	0.06
1:B:55:ASP:OD1	1:E:338:TRP:C[2_757]	2.14	0.06
1:B:55:ASP:N	1:E:340:ARG:N[2_757]	2.14	0.06
1:B:55:ASP:CB	1:E:338:TRP:N[2_757]	2.14	0.06
1:B:56:LYS:NZ	1:E:308:GLU:O[2_757]	2.14	0.06
1:B:66:LYS:CB	1:E:397:PHE:CB[2_757]	2.14	0.06
1:B:72:ILE:N	1:E:367:ASN:CB[2_757]	2.14	0.06
1:B:76:THR:O	1:E:357:PHE:N[2_757]	2.14	0.06
1:B:77:ILE:C	1:E:354:LEU:C[2_757]	2.14	0.06
1:B:77:ILE:CG1	1:E:356:LYS:N[2_757]	2.14	0.06
1:B:79:PRO:N	1:E:354:LEU:CD2[2_757]	2.14	0.06
1:B:83:ARG:CG	1:E:351:THR:CB[2_757]	2.14	0.06
1:B:84:VAL:CB	1:E:349:ASP:N[2_757]	2.14	0.06
1:B:110:ARG:CD	1:E:410:LYS:CG[2_757]	2.14	0.06
1:B:118:ILE:N	1:C:98:GLY:O[2_858]	2.14	0.06
1:B:122:VAL:CG1	1:C:64:ALA:O[2_858]	2.14	0.06
1:B:125:TRP:CZ2	1:C:67:LYS:CB[2_858]	2.14	0.06
1:B:140:TYR:CA	1:E:34:PRO:CB[2_757]	2.14	0.06
1:B:140:TYR:OH	1:E:2:PHE:N[2_757]	2.14	0.06
1:B:286:GLY:CA	1:C:66:LYS:C[2_858]	2.14	0.06
1:B:287:PHE:O	1:C:103:ILE:O[2_858]	2.14	0.06
1:B:306:GLU:CD	1:E:404:ARG:CA[2_757]	2.14	0.06
1:B:306:GLU:OE2	1:E:405:LEU:N[2_757]	2.14	0.06
1:B:309:ALA:N	1:E:411:SER:OG[2_757]	2.14	0.06
1:B:317:HIS:ND1	1:C:198:SER:N[2_858]	2.14	0.06
1:B:321:TYR:CG	1:C:233:TYR:CD1[2_858]	2.14	0.06
1:B:321:TYR:O	1:C:241:PHE:CD1[2_858]	2.14	0.06
1:B:322:GLN:CD	1:C:240:LYS:N[2_858]	2.14	0.06
1:B:327:THR:OG1	1:C:199:PHE:CD1[2_858]	2.14	0.06
1:B:345:ARG:NH1	1:E:372:ASP:O[2_757]	2.14	0.06

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:356:LYS:CG	1:C:159:PRO:C[2_858]	2.14	0.06
1:B:361:LEU:CD2	1:D:178:SER:OG[2_858]	2.14	0.06
1:B:362:GLU:CB	1:D:176:LYS:CA[2_858]	2.14	0.06
1:B:382:ALA:C	1:C:306:GLU:OE1[2_858]	2.14	0.06
1:B:383:CYS:CB	1:C:101:ARG:CZ[2_858]	2.14	0.06
1:B:385:ASN:CG	1:C:133:ARG:NH1[2_858]	2.14	0.06
1:B:386:ASN:N	1:C:295:SER:CB[2_858]	2.14	0.06
1:B:387:GLU:OE2	4:C:1302:AKG:O2[2_858]	2.14	0.06
1:B:389:SER:C	1:C:276:GLY:N[2_858]	2.14	0.06
1:B:390:ALA:C	1:C:133:ARG:CD[2_858]	2.14	0.06
1:B:391:TYR:CE2	1:C:132:GLY:CA[2_858]	2.14	0.06
1:B:391:TYR:CE2	1:C:132:GLY:N[2_858]	2.14	0.06
1:B:395:GLU:CA	1:C:229:PHE:CG[2_858]	2.14	0.06
1:B:396:GLU:OE1	1:C:211:LEU:C[2_858]	2.14	0.06
1:B:397:PHE:N	1:C:225:PHE:CB[2_858]	2.14	0.06
1:B:398:LEU:CD2	1:C:228:ILE:CB[2_858]	2.14	0.06
1:B:398:LEU:CD1	1:C:228:ILE:C[2_858]	2.14	0.06
1:B:407:LYS:NZ	1:D:144:ASP:CG[2_858]	2.14	0.06
1:B:407:LYS:NZ	1:D:144:ASP:N[2_858]	2.14	0.06
1:B:409:ILE:O	1:C:168:GLN:CD[2_858]	2.14	0.06
1:C:315:THR:N	1:C:323:LYS:CD[2_958]	2.14	0.06
1:C:391:TYR:CZ	1:C:393:THR:CG2[2_958]	2.14	0.06
1:D:7:VAL:CG1	1:E:281:ASP:N[2_757]	2.14	0.06
1:D:10:PRO:CA	1:E:285:GLN:N[2_757]	2.14	0.06
1:D:14:LEU:CG	1:E:264:LYS:O[2_757]	2.14	0.06
1:D:27:ILE:CD1	1:E:268:ILE:CD1[2_757]	2.14	0.06
1:D:30:LYS:C	1:E:109:PHE:CE2[2_757]	2.14	0.06
1:D:35:TYR:CD1	1:E:107:THR:O[2_757]	2.14	0.06
1:D:36:LEU:CG	1:E:110:ARG:CG[2_757]	2.14	0.06
1:D:37:ASP:CG	1:E:309:ALA:C[2_757]	2.14	0.06
1:D:41:LYS:O	1:E:120:ARG:NH2[2_757]	2.14	0.06
1:D:72:ILE:CD1	1:E:129:ILE:CA[2_757]	2.14	0.06
1:D:74:CYS:CB	1:E:127:LYS:CD[2_757]	2.14	0.06
1:D:83:ARG:O	1:D:85:LYS:CD[2_858]	2.14	0.06
1:D:105:GLY:C	1:F:382:ALA:N[2_757]	2.14	0.06
1:D:127:LYS:CE	1:F:86:GLU:OE1[2_757]	2.14	0.06
1:D:135:ALA:CA	1:F:381:LEU:CG[2_757]	2.14	0.06
1:D:136:HIS:O	1:F:385:ASN:O[2_757]	2.14	0.06
1:D:194:PHE:CG	1:F:377:LYS:CB[2_757]	2.14	0.06
1:D:195:ALA:CB	1:F:329:THR:O[2_757]	2.14	0.06
1:D:196:HIS:N	1:F:330:ASN:CG[2_757]	2.14	0.06

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:205:LYS:N	3:F:1601:NDP:N1N[2_757]	2.14	0.06
1:D:206:LYS:CD	1:F:77:ILE:N[2_757]	2.14	0.06
1:D:208:ASN:CA	1:F:18:GLU:C[2_757]	2.14	0.06
1:D:210:PHE:CG	1:F:321:TYR:CA[2_757]	2.14	0.06
1:D:233:TYR:CG	1:F:23:ILE:O[2_757]	2.14	0.06
1:D:233:TYR:CA	1:F:398:LEU:CD1[2_757]	2.14	0.06
1:D:233:TYR:C	1:F:27:ILE:CG1[2_757]	2.14	0.06
1:D:237:TYR:O	1:F:24:TRP:CA[2_757]	2.14	0.06
1:D:242:GLU:CB	1:F:15:ASP:OD1[2_757]	2.14	0.06
1:D:243:GLN:CD	1:F:14:LEU:O[2_757]	2.14	0.06
1:D:244:LEU:O	1:F:45:LEU:O[2_757]	2.14	0.06
1:D:296:ILE:CB	1:E:259:GLN:CD[2_757]	2.14	0.06
1:D:303:LYS:CA	1:F:286:GLY:C[2_757]	2.14	0.06
1:D:305:PHE:C	1:E:260:MET:O[2_757]	2.14	0.06
1:D:314:VAL:CB	1:E:244:LEU:O[2_757]	2.14	0.06
1:D:317:HIS:ND1	1:E:243:GLN:CA[2_757]	2.14	0.06
1:D:331:SER:N	1:E:246:ILE:CD1[2_757]	2.14	0.06
1:D:338:TRP:C	1:E:269:MET:CA[2_757]	2.14	0.06
1:D:338:TRP:CB	1:E:130:ILE:O[2_757]	2.14	0.06
1:D:355:CYS:C	1:E:275:ASP:N[2_757]	2.14	0.06
1:D:357:PHE:CG	1:E:133:ARG:N[2_757]	2.14	0.06
1:D:360:ILE:CD1	1:E:134:HIS:CG[2_757]	2.14	0.06
1:D:366:LEU:N	1:E:229:PHE:CD2[2_757]	2.14	0.06
1:D:369:VAL:CA	1:E:231:GLU:O[2_757]	2.14	0.06
1:D:397:PHE:CE1	1:E:237:TYR:CD2[2_757]	2.14	0.06
1:D:401:VAL:CA	1:E:197:SER:N[2_757]	2.14	0.06
1:E:241:PHE:C	3:D:1401:NDP:N1A[2_757]	2.14	0.06
1:E:52:ALA:O	1:E:175:TYR:CB[2_657]	2.14	0.06
1:E:56:LYS:CA	1:F:159:PRO:CB[2_657]	2.14	0.06
1:E:58:THR:O	1:F:162:PRO:C[2_657]	2.14	0.06
1:E:61:ALA:CA	1:F:161:ASP:O[2_657]	2.14	0.06
1:A:2:PHE:O	1:E:155:LEU:O[2_657]	2.15	0.05
1:A:4:LYS:CD	1:E:153:LEU:N[2_657]	2.15	0.05
1:A:11:VAL:C	1:A:167:PRO:CD[2_757]	2.15	0.05
1:A:12:VAL:CG1	1:A:168:GLN:N[2_757]	2.15	0.05
1:A:13:GLU:N	1:A:167:PRO:C[2_757]	2.15	0.05
1:A:13:GLU:CA	1:A:169:THR:N[2_757]	2.15	0.05
1:A:15:ASP:CA	1:A:154:GLU:CG[2_757]	2.15	0.05
1:A:17:ASP:CA	1:A:152:SER:C[2_757]	2.15	0.05
1:A:53:THR:N	1:B:141:LYS:C[2_757]	2.15	0.05
1:A:68:TYR:CD1	1:B:148:PRO:CG[2_757]	2.15	0.05

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:69:GLY:O	1:A:159:PRO:CB[2_757]	2.15	0.05
1:A:73:LYS:NZ	1:B:156:VAL:CG2[2_757]	2.15	0.05
1:A:75:ALA:O	1:B:156:VAL:CA[2_757]	2.15	0.05
1:A:75:ALA:C	1:B:168:GLN:O[2_757]	2.15	0.05
1:A:88:ASN:N	1:B:187:THR:CB[2_757]	2.15	0.05
1:A:88:ASN:ND2	1:B:191:ILE:N[2_757]	2.15	0.05
1:A:128:PRO:CD	1:C:36:LEU:CG[2_858]	2.15	0.05
1:A:149:GLY:CA	5:A:1124:HOH:O[2_757]	2.15	0.05
1:A:158:LYS:NZ	1:A:308:GLU:CA[2_757]	2.15	0.05
1:A:160:SER:OG	1:A:304:THR:CB[2_757]	2.15	0.05
1:A:215:ASN:CB	1:E:6:LYS:CE[2_757]	2.15	0.05
1:A:217:ILE:CA	1:E:36:LEU:C[2_757]	2.15	0.05
1:A:261:ILE:C	1:C:69:GLY:CA[2_858]	2.15	0.05
1:A:282:ILE:C	1:C:9:GLN:OE1[2_858]	2.15	0.05
1:A:287:PHE:N	1:C:10:PRO:CA[2_858]	2.15	0.05
1:A:320:LYS:C	1:B:161:ASP:CG[2_757]	2.15	0.05
1:A:365:THR:C	1:F:59:GLN:CD[2_657]	2.15	0.05
1:A:371:GLN:O	1:F:45:LEU:O[2_657]	2.15	0.05
1:A:371:GLN:C	1:F:50:ARG:CD[2_657]	2.15	0.05
1:A:380:ALA:CA	1:F:41:LYS:O[2_657]	2.15	0.05
1:A:390:ALA:O	1:F:12:VAL:O[2_657]	2.15	0.05
1:A:391:TYR:O	1:F:71:GLY:CA[2_657]	2.15	0.05
1:A:391:TYR:CE1	1:F:69:GLY:O[2_657]	2.15	0.05
1:A:391:TYR:CB	1:F:71:GLY:CA[2_657]	2.15	0.05
1:A:391:TYR:CA	1:F:71:GLY:N[2_657]	2.15	0.05
1:A:392:VAL:O	1:F:65:ILE:CB[2_657]	2.15	0.05
1:A:397:PHE:CD2	1:F:103:ILE:CG2[2_657]	2.15	0.05
1:A:397:PHE:C	1:F:104:LEU:N[2_657]	2.15	0.05
1:A:400:ALA:CA	1:F:99:THR:C[2_657]	2.15	0.05
1:A:408:GLU:N	1:F:94:LYS:CG[2_657]	2.15	0.05
1:B:10:PRO:N	1:E:117:ARG:NE[2_757]	2.15	0.05
1:B:43:TYR:CE1	1:E:115:ILE:CG1[2_757]	2.15	0.05
1:B:50:ARG:C	1:E:340:ARG:CB[2_757]	2.15	0.05
1:B:56:LYS:CB	1:E:337:ALA:CA[2_757]	2.15	0.05
1:B:60:ASP:C	1:E:365:THR:CG2[2_757]	2.15	0.05
1:B:66:LYS:CE	1:E:395:GLU:C[2_757]	2.15	0.05
1:B:66:LYS:CB	1:E:397:PHE:CD1[2_757]	2.15	0.05
1:B:69:GLY:C	1:E:374:ILE:CD1[2_757]	2.15	0.05
1:B:69:GLY:N	1:E:373:GLY:C[2_757]	2.15	0.05
1:B:77:ILE:CA	1:E:356:LYS:C[2_757]	2.15	0.05
1:B:78:THR:CA	1:E:354:LEU:CA[2_757]	2.15	0.05

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:89:LEU:CG	1:E:347:GLU:N[2_757]	2.15	0.05
1:B:91:LYS:CE	1:E:72:ILE:N[2_757]	2.15	0.05
1:B:93:TRP:CD1	1:E:341:GLY:O[2_757]	2.15	0.05
1:B:94:LYS:N	1:E:342:LEU:CD1[2_757]	2.15	0.05
1:B:100:ILE:CG2	1:E:401:VAL:C[2_757]	2.15	0.05
1:B:104:LEU:CG	1:E:401:VAL:C[2_757]	2.15	0.05
1:B:124:ARG:CZ	1:F:39:ASP:CG[2_657]	2.15	0.05
1:B:139:GLN:O	1:E:4:LYS:CE[2_757]	2.15	0.05
1:B:261:ILE:CB	1:C:67:LYS:CE[2_858]	2.15	0.05
1:B:277:ASP:CG	1:E:2:PHE:CD2[2_757]	2.15	0.05
1:B:290:LEU:CD2	1:C:301:ASP:CA[2_858]	2.15	0.05
1:B:290:LEU:CB	1:C:301:ASP:CB[2_858]	2.15	0.05
1:B:310:ALA:O	1:E:410:LYS:CA[2_757]	2.15	0.05
1:B:321:TYR:O	1:C:241:PHE:CB[2_858]	2.15	0.05
1:B:322:GLN:NE2	1:C:240:LYS:CA[2_858]	2.15	0.05
1:B:335:ILE:CG1	1:C:189:GLU:N[2_858]	2.15	0.05
1:B:356:LYS:N	1:C:161:ASP:N[2_858]	2.15	0.05
1:B:368:THR:CB	1:C:185:TYR:C[2_858]	2.15	0.05
1:B:368:THR:OG1	1:C:186:ASN:CA[2_858]	2.15	0.05
1:B:371:GLN:CA	1:C:142:ALA:CA[2_858]	2.15	0.05
1:B:380:ALA:CB	1:C:108:VAL:CG2[2_858]	2.15	0.05
1:B:380:ALA:N	1:C:135:ALA:CA[2_858]	2.15	0.05
1:B:385:ASN:CG	1:C:110:ARG:NH2[2_858]	2.15	0.05
1:B:390:ALA:CA	1:C:133:ARG:CD[2_858]	2.15	0.05
1:B:391:TYR:CA	1:C:133:ARG:CA[2_858]	2.15	0.05
1:B:391:TYR:N	1:C:133:ARG:CB[2_858]	2.15	0.05
1:B:394:THR:CB	1:C:195:ALA:CA[2_858]	2.15	0.05
1:B:398:LEU:O	1:C:224:ARG:O[2_858]	2.15	0.05
1:B:409:ILE:CG1	1:D:146:LEU:O[2_858]	2.15	0.05
1:E:409:ILE:O	4:B:1202:AKG:O2[2_757]	2.15	0.05
1:C:324:GLY:N	3:C:1301:NDP:O3X[2_958]	2.15	0.05
1:C:325:GLU:OE1	1:C:329:THR:OG1[2_958]	2.15	0.05
1:D:3:SER:OG	1:E:101:ARG:NH1[2_757]	2.15	0.05
1:D:5:ILE:CG1	1:E:133:ARG:NE[2_757]	2.15	0.05
1:D:14:LEU:N	1:E:128:PRO:N[2_757]	2.15	0.05
1:D:23:ILE:CG2	1:E:207:LEU:N[2_757]	2.15	0.05
1:D:23:ILE:CG1	1:E:206:LYS:CA[2_757]	2.15	0.05
1:D:24:TRP:O	1:E:205:LYS:CG[2_757]	2.15	0.05
1:D:26:LYS:CB	1:E:204:ASP:OD2[2_757]	2.15	0.05
1:D:31:LEU:CG	1:E:201:LEU:CD1[2_757]	2.15	0.05
1:D:32:ILE:C	1:E:109:PHE:CB[2_757]	2.15	0.05

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:35:TYR:CD1	1:E:107:THR:C[2_757]	2.15	0.05
1:D:35:TYR:N	1:E:108:VAL:CG1[2_757]	2.15	0.05
1:D:38:VAL:CG2	1:E:111:GLU:N[2_757]	2.15	0.05
1:D:38:VAL:CG2	1:E:111:GLU:C[2_757]	2.15	0.05
1:D:41:LYS:O	1:E:120:ARG:CZ[2_757]	2.15	0.05
1:D:70:VAL:C	1:E:125:TRP:CE3[2_757]	2.15	0.05
1:D:109:PHE:CD2	3:F:1601:NDP:C1B[2_757]	2.15	0.05
1:D:117:ARG:C	1:E:234:GLU:OE2[2_757]	2.15	0.05
1:D:137:GLY:O	1:F:386:ASN:C[2_757]	2.15	0.05
1:D:186:ASN:CA	1:F:389:SER:O[2_757]	2.15	0.05
1:D:189:GLU:CD	1:F:118:ILE:CD1[2_757]	2.15	0.05
1:D:189:GLU:CA	1:F:375:MET:SD[2_757]	2.15	0.05
1:D:190:SER:CA	1:F:380:ALA:N[2_757]	2.15	0.05
1:D:204:ASP:N	1:F:312:GLY:O[2_757]	2.15	0.05
1:D:208:ASN:C	1:F:19:MET:N[2_757]	2.15	0.05
1:D:212:SER:CA	1:F:325:GLU:CA[2_757]	2.15	0.05
1:D:226:LYS:C	1:F:393:THR:OG1[2_757]	2.15	0.05
1:D:229:PHE:CD2	1:F:394:THR:CG2[2_757]	2.15	0.05
1:D:231:GLU:CB	1:F:397:PHE:O[2_757]	2.15	0.05
1:D:232:VAL:N	1:F:398:LEU:CB[2_757]	2.15	0.05
1:D:233:TYR:CG	1:F:23:ILE:C[2_757]	2.15	0.05
1:D:234:GLU:CG	1:F:26:LYS:CB[2_757]	2.15	0.05
1:D:236:GLN:C	1:F:335:ILE:N[2_757]	2.15	0.05
1:D:238:LYS:CA	1:F:25:ASP:N[2_757]	2.15	0.05
1:D:239:SER:C	1:F:24:TRP:CD1[2_757]	2.15	0.05
1:D:243:GLN:CD	1:F:14:LEU:CA[2_757]	2.15	0.05
1:D:243:GLN:CD	1:F:14:LEU:CB[2_757]	2.15	0.05
1:D:246:ILE:CG2	1:F:17:ASP:CG[2_757]	2.15	0.05
1:D:268:ILE:C	1:F:315:THR:O[2_757]	2.15	0.05
1:D:300:PRO:O	1:F:289:SER:O[2_757]	2.15	0.05
1:D:300:PRO:O	1:F:289:SER:OG[2_757]	2.15	0.05
1:D:303:LYS:CB	1:F:286:GLY:N[2_757]	2.15	0.05
1:D:306:GLU:CD	1:E:264:LYS:N[2_757]	2.15	0.05
1:D:330:ASN:N	1:E:240:LYS:O[2_757]	2.15	0.05
1:D:338:TRP:CB	1:E:267:PHE:O[2_757]	2.15	0.05
1:D:341:GLY:C	1:E:269:MET:SD[2_757]	2.15	0.05
1:D:345:ARG:CZ	1:E:282:ILE:CG2[2_757]	2.15	0.05
1:D:346:GLY:O	1:F:279:GLN:NE2[2_757]	2.15	0.05
1:D:348:LEU:CD1	1:F:282:ILE:CG2[2_757]	2.15	0.05
1:D:348:LEU:CD2	1:F:282:ILE:CB[2_757]	2.15	0.05
1:D:349:ASP:CA	1:F:257:VAL:CA[2_757]	2.15	0.05

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:356:LYS:CD	5:E:1505:HOH:O[2_757]	2.15	0.05
1:D:356:LYS:NZ	1:E:139:GLN:OE1[2_757]	2.15	0.05
1:D:356:LYS:CB	1:E:274:TYR:CA[2_757]	2.15	0.05
1:D:361:LEU:CD2	1:E:198:SER:OG[2_757]	2.15	0.05
1:D:362:GLU:C	1:E:229:PHE:CD2[2_757]	2.15	0.05
1:D:365:THR:CG2	1:E:199:PHE:CD1[2_757]	2.15	0.05
1:D:366:LEU:N	1:E:199:PHE:CZ[2_757]	2.15	0.05
1:D:369:VAL:N	1:E:232:VAL:CG1[2_757]	2.15	0.05
1:D:374:ILE:CB	1:E:236:GLN:CB[2_757]	2.15	0.05
1:D:376:THR:CB	1:E:240:LYS:CA[2_757]	2.15	0.05
1:D:377:LYS:CA	1:E:239:SER:CA[2_757]	2.15	0.05
1:D:392:VAL:C	1:E:240:LYS:CE[2_757]	2.15	0.05
1:D:397:PHE:CB	1:E:237:TYR:CD2[2_757]	2.15	0.05
1:D:404:ARG:N	1:E:193:GLY:O[2_757]	2.15	0.05
1:D:406:GLN:CB	1:E:299:THR:C[2_757]	2.15	0.05
1:D:406:GLN:CG	1:E:299:THR:O[2_757]	2.15	0.05
1:E:246:ILE:CG2	5:D:1409:HOH:O[2_757]	2.15	0.05
1:E:255:ASP:OD1	5:D:1418:HOH:O[2_757]	2.15	0.05
1:E:43:TYR:CE2	1:F:161:ASP:CA[2_657]	2.15	0.05
1:E:51:ASP:O	1:E:175:TYR:CZ[2_657]	2.15	0.05
1:E:62:ALA:CA	1:F:162:PRO:O[2_657]	2.15	0.05
1:E:84:VAL:C	1:F:225:PHE:N[2_657]	2.15	0.05
1:E:91:LYS:CB	1:E:145:THR:CA[2_657]	2.15	0.05
1:E:93:TRP:CZ2	1:E:147:ILE:CD1[2_657]	2.15	0.05
1:A:9:GLN:CG	1:A:163:THR:C[2_757]	2.16	0.04
1:A:11:VAL:C	1:A:167:PRO:CA[2_757]	2.16	0.04
1:A:15:ASP:CG	1:A:154:GLU:CG[2_757]	2.16	0.04
1:A:17:ASP:N	1:B:156:VAL:O[2_757]	2.16	0.04
1:A:17:ASP:OD1	1:A:153:LEU:CA[2_757]	2.16	0.04
1:A:19:MET:N	1:B:159:PRO:CA[2_757]	2.16	0.04
1:A:50:ARG:CA	1:B:183:ALA:O[2_757]	2.16	0.04
1:A:58:THR:N	1:B:182:MET:O[2_757]	2.16	0.04
1:A:59:GLN:O	1:B:180:VAL:O[2_757]	2.16	0.04
1:A:76:THR:O	1:B:168:GLN:CB[2_757]	2.16	0.04
1:A:94:LYS:NZ	1:A:140:TYR:C[2_757]	2.16	0.04
1:A:95:SER:N	1:A:143:THR:O[2_757]	2.16	0.04
1:A:105:GLY:N	1:B:174:ASP:CB[2_757]	2.16	0.04
1:A:111:GLU:OE2	1:C:6:LYS:CG[2_858]	2.16	0.04
1:A:111:GLU:CD	1:C:6:LYS:N[2_858]	2.16	0.04
1:A:127:LYS:CA	1:C:36:LEU:CD1[2_858]	2.16	0.04
1:A:217:ILE:CG1	1:E:4:LYS:CB[2_757]	2.16	0.04

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:263:SER:C	1:C:70:VAL:CG1[2_858]	2.16	0.04
1:A:264:LYS:CA	1:C:341:GLY:CA[2_858]	2.16	0.04
1:A:266:GLY:C	1:C:354:LEU:CA[2_858]	2.16	0.04
1:A:268:ILE:CA	1:C:351:THR:C[2_858]	2.16	0.04
1:A:269:MET:CE	5:C:1325:HOH:O[2_858]	2.16	0.04
1:A:283:VAL:CB	1:C:9:GLN:CD[2_858]	2.16	0.04
1:A:287:PHE:O	1:C:39:ASP:CB[2_858]	2.16	0.04
1:A:308:GLU:CD	1:B:154:GLU:OE2[2_757]	2.16	0.04
1:A:313:THR:CA	1:B:157:TYR:O[2_757]	2.16	0.04
1:A:313:THR:N	1:B:167:PRO:O[2_757]	2.16	0.04
1:A:317:HIS:O	1:B:162:PRO:CD[2_757]	2.16	0.04
1:A:319:ARG:CG	1:B:164:THR:CA[2_757]	2.16	0.04
1:A:329:THR:CA	1:F:67:LYS:N[2_657]	2.16	0.04
1:A:366:LEU:CA	1:F:56:LYS:O[2_657]	2.16	0.04
1:A:369:VAL:CG2	1:F:57:ILE:O[2_657]	2.16	0.04
1:A:372:ASP:OD2	1:F:95:SER:O[2_657]	2.16	0.04
1:A:376:THR:CB	1:F:65:ILE:CA[2_657]	2.16	0.04
1:A:386:ASN:CG	1:F:38:VAL:CB[2_657]	2.16	0.04
1:A:389:SER:O	1:F:72:ILE:C[2_657]	2.16	0.04
1:A:392:VAL:CB	1:F:306:GLU:CB[2_657]	2.16	0.04
1:B:170:LEU:N	3:A:1101:NDP:O7N[2_757]	2.16	0.04
1:B:168:GLN:CD	3:A:1101:NDP:O2D[2_757]	2.16	0.04
1:B:22:ILE:O	1:C:232:VAL:CA[2_858]	2.16	0.04
1:B:46:SER:C	1:E:343:LEU:CD1[2_757]	2.16	0.04
1:B:55:ASP:CG	1:E:338:TRP:CA[2_757]	2.16	0.04
1:B:59:GLN:CB	1:E:334:SER:C[2_757]	2.16	0.04
1:B:81:GLU:OE2	1:E:8:LYS:CE[2_757]	2.16	0.04
1:B:82:ALA:CA	1:E:349:ASP:O[2_757]	2.16	0.04
1:B:90:HIS:CD2	1:E:71:GLY:N[2_757]	2.16	0.04
1:B:91:LYS:NZ	1:E:71:GLY:CA[2_757]	2.16	0.04
1:B:95:SER:C	1:E:357:PHE:CD2[2_757]	2.16	0.04
1:B:95:SER:CB	1:E:357:PHE:CE1[2_757]	2.16	0.04
1:B:104:LEU:CB	1:E:402:GLU:N[2_757]	2.16	0.04
1:B:116:PRO:CA	1:C:102:ASN:OD1[2_858]	2.16	0.04
1:B:120:ARG:CA	1:C:104:LEU:CD2[2_858]	2.16	0.04
1:B:121:LEU:N	1:C:104:LEU:CD2[2_858]	2.16	0.04
1:B:260:MET:O	1:C:67:LYS:CE[2_858]	2.16	0.04
1:B:277:ASP:CB	1:E:2:PHE:CA[2_757]	2.16	0.04
1:B:285:GLN:CB	1:C:303:LYS:O[2_858]	2.16	0.04
1:B:291:GLY:N	1:C:300:PRO:CD[2_858]	2.16	0.04
1:B:297:LEU:C	1:E:403:LYS:CE[2_757]	2.16	0.04

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:307:SER:O	1:E:408:GLU:CG[2_757]	2.16	0.04
1:B:309:ALA:O	1:E:411:SER:CB[2_757]	2.16	0.04
1:B:313:THR:CG2	1:E:356:LYS:CD[2_757]	2.16	0.04
1:B:320:LYS:O	1:C:241:PHE:CZ[2_858]	2.16	0.04
1:B:320:LYS:CG	1:C:201:LEU:O[2_858]	2.16	0.04
1:B:326:GLU:O	1:C:209:LEU:CD2[2_858]	2.16	0.04
1:B:330:ASN:ND2	1:C:190:SER:C[2_858]	2.16	0.04
1:B:353:ALA:C	1:C:161:ASP:O[2_858]	2.16	0.04
1:B:357:PHE:CZ	1:D:148:PRO:CA[2_858]	2.16	0.04
1:B:357:PHE:O	1:D:149:GLY:O[2_858]	2.16	0.04
1:B:362:GLU:OE1	1:D:176:LYS:N[2_858]	2.16	0.04
1:B:367:ASN:CG	1:D:173:TYR:CB[2_858]	2.16	0.04
1:B:381:LEU:CB	1:C:296:ILE:O[2_858]	2.16	0.04
1:B:383:CYS:SG	1:C:101:ARG:CG[2_858]	2.16	0.04
1:B:386:ASN:CG	1:C:294:THR:C[2_858]	2.16	0.04
1:B:395:GLU:CD	1:C:229:PHE:CG[2_858]	2.16	0.04
1:B:402:GLU:C	1:C:220:LYS:O[2_858]	2.16	0.04
1:B:403:LYS:CD	1:D:144:ASP:OD2[2_858]	2.16	0.04
1:C:157:TYR:N	5:B:1205:HOH:O[2_858]	2.16	0.04
1:D:2:PHE:CE1	1:E:101:ARG:N[2_757]	2.16	0.04
1:D:31:LEU:C	1:E:109:PHE:CB[2_757]	2.16	0.04
1:D:66:LYS:CA	1:E:123:PRO:CD[2_757]	2.16	0.04
1:D:68:TYR:CZ	1:E:120:ARG:CA[2_757]	2.16	0.04
1:D:69:GLY:N	1:E:122:VAL:CA[2_757]	2.16	0.04
1:D:70:VAL:CB	1:E:125:TRP:CE2[2_757]	2.16	0.04
1:D:70:VAL:CG2	1:E:125:TRP:CZ2[2_757]	2.16	0.04
1:D:70:VAL:CG2	1:E:261:ILE:CD1[2_757]	2.16	0.04
1:D:102:ASN:CB	1:F:384:GLY:O[2_757]	2.16	0.04
1:D:115:ILE:CG2	1:E:230:GLN:CG[2_757]	2.16	0.04
1:D:138:ASP:CB	1:F:388:ARG:N[2_757]	2.16	0.04
1:D:191:ILE:O	1:F:376:THR:CG2[2_757]	2.16	0.04
1:D:197:SER:O	3:F:1601:NDP:N1A[2_757]	2.16	0.04
1:D:207:LEU:O	1:F:18:GLU:CA[2_757]	2.16	0.04
1:D:207:LEU:CA	1:F:18:GLU:CB[2_757]	2.16	0.04
1:D:208:ASN:C	1:F:318:TYR:CB[2_757]	2.16	0.04
1:D:209:LEU:N	1:F:19:MET:CA[2_757]	2.16	0.04
1:D:225:PHE:CD2	1:F:392:VAL:O[2_757]	2.16	0.04
1:D:227:ASP:O	1:F:396:GLU:CA[2_757]	2.16	0.04
1:D:227:ASP:C	1:F:395:GLU:C[2_757]	2.16	0.04
1:D:232:VAL:C	1:F:398:LEU:CG[2_757]	2.16	0.04
1:D:233:TYR:CE2	1:F:22:ILE:C[2_757]	2.16	0.04

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:237:TYR:C	1:F:24:TRP:CA[2_757]	2.16	0.04
1:D:240:LYS:CB	1:F:24:TRP:CZ3[2_757]	2.16	0.04
1:D:241:PHE:CZ	1:F:20:THR:C[2_757]	2.16	0.04
1:D:242:GLU:N	1:F:15:ASP:CG[2_757]	2.16	0.04
1:D:242:GLU:O	1:F:15:ASP:CA[2_757]	2.16	0.04
1:D:242:GLU:CA	1:F:15:ASP:CB[2_757]	2.16	0.04
1:D:246:ILE:N	1:F:16:GLY:C[2_757]	2.16	0.04
1:D:266:GLY:O	1:F:319:ARG:CZ[2_757]	2.16	0.04
1:D:268:ILE:N	1:F:318:TYR:CB[2_757]	2.16	0.04
1:D:269:MET:N	1:F:317:HIS:CA[2_757]	2.16	0.04
1:D:271:LEU:CB	1:F:320:LYS:CD[2_757]	2.16	0.04
1:D:289:SER:CB	1:E:242:GLU:OE2[2_757]	2.16	0.04
1:D:294:THR:OG1	1:E:251:ARG:CZ[2_757]	2.16	0.04
1:D:301:ASP:CA	1:F:288:GLY:C[2_757]	2.16	0.04
1:D:337:ALA:N	1:E:210:PHE:CE1[2_757]	2.16	0.04
1:D:338:TRP:CE3	1:E:130:ILE:C[2_757]	2.16	0.04
1:D:338:TRP:N	1:E:267:PHE:C[2_757]	2.16	0.04
1:D:344:LYS:C	1:E:260:MET:CE[2_757]	2.16	0.04
1:D:347:GLU:CD	1:F:278:VAL:CG1[2_757]	2.16	0.04
1:D:351:THR:CG2	1:E:278:VAL:CA[2_757]	2.16	0.04
1:D:354:LEU:CD2	1:E:276:GLY:O[2_757]	2.16	0.04
1:D:354:LEU:CD2	1:E:280:SER:N[2_757]	2.16	0.04
1:D:354:LEU:CD1	1:E:279:GLN:CB[2_757]	2.16	0.04
1:D:367:ASN:CA	1:E:228:ILE:C[2_757]	2.16	0.04
1:D:368:THR:CG2	1:E:237:TYR:OH[2_757]	2.16	0.04
1:D:374:ILE:CA	1:E:236:GLN:CA[2_757]	2.16	0.04
1:D:376:THR:CA	1:E:239:SER:CA[2_757]	2.16	0.04
1:D:404:ARG:NE	1:E:192:GLU:O[2_757]	2.16	0.04
1:D:405:LEU:N	1:E:194:PHE:N[2_757]	2.16	0.04
1:D:410:LYS:O	1:E:136:HIS:CD2[2_757]	2.16	0.04
1:F:320:LYS:C	5:D:1441:HOH:O[2_757]	2.16	0.04
1:E:51:ASP:CG	1:E:180:VAL:N[2_657]	2.16	0.04
1:E:54:SER:CB	1:F:157:TYR:CD1[2_657]	2.16	0.04
1:E:56:LYS:O	1:F:159:PRO:C[2_657]	2.16	0.04
1:E:56:LYS:CA	1:F:158:LYS:C[2_657]	2.16	0.04
1:E:62:ALA:N	1:F:162:PRO:O[2_657]	2.16	0.04
1:E:86:GLU:C	1:F:228:ILE:CG1[2_657]	2.16	0.04
1:E:91:LYS:CD	1:E:145:THR:C[2_657]	2.16	0.04
1:A:11:VAL:CA	1:A:167:PRO:CG[2_757]	2.17	0.03
1:A:13:GLU:CB	1:A:169:THR:OG1[2_757]	2.17	0.03
1:A:17:ASP:CA	1:B:158:LYS:N[2_757]	2.17	0.03

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:20:THR:CA	1:B:158:LYS:CB[2_757]	2.17	0.03
1:A:33:LEU:CD1	1:E:176:LYS:CG[2_657]	2.17	0.03
1:A:34:PRO:CA	1:E:174:ASP:CA[2_657]	2.17	0.03
1:A:47:VAL:CA	1:A:153:LEU:CG[2_757]	2.17	0.03
1:A:49:SER:N	1:A:172:VAL:C[2_757]	2.17	0.03
1:A:51:ASP:CG	1:B:185:TYR:CA[2_757]	2.17	0.03
1:A:66:LYS:O	1:B:149:GLY:O[2_757]	2.17	0.03
1:A:70:VAL:CA	1:A:159:PRO:CD[2_757]	2.17	0.03
1:A:70:VAL:O	1:A:167:PRO:N[2_757]	2.17	0.03
1:A:73:LYS:CA	1:A:156:VAL:CB[2_757]	2.17	0.03
1:A:74:CYS:SG	1:B:158:LYS:NZ[2_757]	2.17	0.03
1:A:86:GLU:CB	1:A:178:SER:OG[2_757]	2.17	0.03
1:A:93:TRP:CB	1:A:182:MET:N[2_757]	2.17	0.03
1:A:100:ILE:N	1:B:172:VAL:CA[2_757]	2.17	0.03
1:A:116:PRO:CB	1:C:33:LEU:CD1[2_858]	2.17	0.03
1:A:124:ARG:NH2	1:C:296:ILE:CG1[2_858]	2.17	0.03
1:A:145:THR:OG1	5:A:1113:HOH:O[2_757]	2.17	0.03
1:A:214:LYS:NZ	1:E:3:SER:CB[2_757]	2.17	0.03
1:A:263:SER:O	1:C:70:VAL:CG2[2_858]	2.17	0.03
1:A:264:LYS:NZ	1:C:337:ALA:CA[2_858]	2.17	0.03
1:A:267:PHE:CE1	1:C:349:ASP:N[2_858]	2.17	0.03
1:A:267:PHE:CG	1:C:347:GLU:N[2_858]	2.17	0.03
1:A:268:ILE:CB	1:C:351:THR:CA[2_858]	2.17	0.03
1:A:317:HIS:C	1:B:163:THR:N[2_757]	2.17	0.03
1:A:318:TYR:CB	1:B:159:PRO:C[2_757]	2.17	0.03
1:A:330:ASN:N	1:F:63:GLU:O[2_657]	2.17	0.03
1:A:331:SER:OG	1:F:66:LYS:CE[2_657]	2.17	0.03
1:A:375:MET:CE	1:F:14:LEU:CD2[2_657]	2.17	0.03
1:A:381:LEU:CA	1:F:41:LYS:CG[2_657]	2.17	0.03
1:A:383:CYS:C	1:F:40:LEU:O[2_657]	2.17	0.03
1:A:386:ASN:CA	1:F:11:VAL:CB[2_657]	2.17	0.03
1:A:389:SER:O	1:F:72:ILE:N[2_657]	2.17	0.03
1:A:396:GLU:CD	1:F:297:LEU:O[2_657]	2.17	0.03
1:A:399:ASP:CA	1:F:101:ARG:C[2_657]	2.17	0.03
1:B:169:THR:CA	3:A:1101:NDP:C3N[2_757]	2.17	0.03
1:B:189:GLU:N	5:A:1129:HOH:O[2_757]	2.17	0.03
1:B:11:VAL:CB	1:E:371:GLN:CA[2_757]	2.17	0.03
1:B:13:GLU:CA	1:E:367:ASN:CG[2_757]	2.17	0.03
1:B:19:MET:CG	1:C:237:TYR:OH[2_858]	2.17	0.03
1:B:41:LYS:N	1:E:370:GLN:OE1[2_757]	2.17	0.03
1:B:57:ILE:CG2	1:E:336:PHE:CD2[2_757]	2.17	0.03

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:60:ASP:C	1:E:332:ILE:CG2[2_757]	2.17	0.03
1:B:70:VAL:CG2	1:E:372:ASP:CA[2_757]	2.17	0.03
1:B:82:ALA:CB	1:E:350:ASN:O[2_757]	2.17	0.03
1:B:83:ARG:NE	1:E:352:PRO:CD[2_757]	2.17	0.03
1:B:88:ASN:O	1:E:348:LEU:CG[2_757]	2.17	0.03
1:B:90:HIS:CE1	1:E:71:GLY:N[2_757]	2.17	0.03
1:B:97:ASN:N	1:E:357:PHE:CE1[2_757]	2.17	0.03
1:B:100:ILE:C	1:E:402:GLU:CA[2_757]	2.17	0.03
1:B:140:TYR:C	1:E:34:PRO:CD[2_757]	2.17	0.03
1:B:285:GLN:CB	1:C:303:LYS:C[2_858]	2.17	0.03
1:B:289:SER:O	1:C:301:ASP:OD1[2_858]	2.17	0.03
1:B:317:HIS:CD2	1:C:197:SER:O[2_858]	2.17	0.03
1:B:317:HIS:O	1:C:200:LYS:N[2_858]	2.17	0.03
1:B:322:GLN:N	1:C:241:PHE:CD2[2_858]	2.17	0.03
1:B:326:GLU:N	1:C:209:LEU:CG[2_858]	2.17	0.03
1:B:362:GLU:OE1	1:D:176:LYS:O[2_858]	2.17	0.03
1:B:366:LEU:O	1:C:185:TYR:CZ[2_858]	2.17	0.03
1:B:368:THR:CB	1:C:185:TYR:O[2_858]	2.17	0.03
1:B:369:VAL:O	1:C:137:GLY:O[2_858]	2.17	0.03
1:B:377:LYS:CA	1:C:107:THR:CB[2_858]	2.17	0.03
1:B:378:ASP:OD1	1:C:107:THR:OG1[2_858]	2.17	0.03
1:B:383:CYS:N	1:C:101:ARG:NE[2_858]	2.17	0.03
1:B:388:ARG:NE	1:C:269:MET:CB[2_858]	2.17	0.03
1:B:391:TYR:CG	1:C:133:ARG:C[2_858]	2.17	0.03
1:B:393:THR:O	1:C:229:PHE:CE1[2_858]	2.17	0.03
1:B:404:ARG:CA	1:D:181:ALA:C[2_858]	2.17	0.03
1:B:404:ARG:CD	1:D:181:ALA:CA[2_858]	2.17	0.03
1:C:315:THR:C	1:C:323:LYS:CG[2_958]	2.17	0.03
1:C:317:HIS:O	1:C:320:LYS:N[2_958]	2.17	0.03
1:C:317:HIS:N	1:C:320:LYS:C[2_958]	2.17	0.03
1:D:2:PHE:CD2	1:E:101:ARG:CA[2_757]	2.17	0.03
1:D:22:ILE:CG1	1:E:206:LYS:CE[2_757]	2.17	0.03
1:D:27:ILE:N	1:E:205:LYS:CB[2_757]	2.17	0.03
1:D:38:VAL:O	1:E:293:MET:N[2_757]	2.17	0.03
1:D:40:LEU:CB	1:E:112:PRO:N[2_757]	2.17	0.03
1:D:42:TYR:C	1:E:114:VAL:CG1[2_757]	2.17	0.03
1:D:43:TYR:CE1	1:E:120:ARG:CD[2_757]	2.17	0.03
1:D:68:TYR:CB	1:E:122:VAL:N[2_757]	2.17	0.03
1:D:71:GLY:CA	1:E:125:TRP:NE1[2_757]	2.17	0.03
1:D:81:GLU:CA	1:D:88:ASN:OD1[2_858]	2.17	0.03
1:D:106:GLY:N	1:F:381:LEU:CA[2_757]	2.17	0.03

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:113:ILE:CG1	1:E:249:GLU:C[2_757]	2.17	0.03
1:D:185:TYR:CE2	1:F:387:GLU:OE2[2_757]	2.17	0.03
1:D:186:ASN:N	1:F:389:SER:OG[2_757]	2.17	0.03
1:D:191:ILE:C	1:F:376:THR:C[2_757]	2.17	0.03
1:D:196:HIS:CA	1:F:330:ASN:ND2[2_757]	2.17	0.03
1:D:207:LEU:C	1:F:18:GLU:CD[2_757]	2.17	0.03
1:D:207:LEU:CD2	1:F:18:GLU:OE2[2_757]	2.17	0.03
1:D:208:ASN:CA	1:F:318:TYR:CD1[2_757]	2.17	0.03
1:D:225:PHE:CZ	1:F:388:ARG:NH1[2_757]	2.17	0.03
1:D:225:PHE:CA	1:F:396:GLU:OE2[2_757]	2.17	0.03
1:D:227:ASP:C	1:F:397:PHE:N[2_757]	2.17	0.03
1:D:231:GLU:O	1:F:398:LEU:CG[2_757]	2.17	0.03
1:D:233:TYR:OH	1:F:21:ARG:C[2_757]	2.17	0.03
1:D:233:TYR:O	1:F:27:ILE:CB[2_757]	2.17	0.03
1:D:234:GLU:OE1	1:F:30:LYS:N[2_757]	2.17	0.03
1:D:238:LYS:N	1:F:24:TRP:N[2_757]	2.17	0.03
1:D:243:GLN:CA	1:F:15:ASP:O[2_757]	2.17	0.03
1:D:245:GLY:CA	1:F:46:SER:CB[2_757]	2.17	0.03
1:D:268:ILE:N	1:F:315:THR:C[2_757]	2.17	0.03
1:D:301:ASP:C	5:F:1642:HOH:O[2_757]	2.17	0.03
1:D:301:ASP:N	1:F:288:GLY:O[2_757]	2.17	0.03
1:D:304:THR:CA	1:E:261:ILE:CG2[2_757]	2.17	0.03
1:D:305:PHE:N	1:E:261:ILE:CG2[2_757]	2.17	0.03
1:D:329:THR:CA	1:E:240:LYS:C[2_757]	2.17	0.03
1:D:329:THR:N	1:E:240:LYS:C[2_757]	2.17	0.03
1:D:331:SER:OG	1:E:203:ILE:N[2_757]	2.17	0.03
1:D:332:ILE:CA	1:E:241:PHE:CZ[2_757]	2.17	0.03
1:D:340:ARG:CA	1:E:256:MET:CE[2_757]	2.17	0.03
1:D:354:LEU:CB	1:E:275:ASP:O[2_757]	2.17	0.03
1:D:361:LEU:CB	1:E:270:ALA:CB[2_757]	2.17	0.03
1:D:370:GLN:CG	1:E:227:ASP:O[2_757]	2.17	0.03
1:D:374:ILE:O	1:E:237:TYR:CD1[2_757]	2.17	0.03
1:D:376:THR:CG2	1:E:241:PHE:N[2_757]	2.17	0.03
1:D:401:VAL:O	1:E:197:SER:C[2_757]	2.17	0.03
1:D:402:GLU:CA	1:E:197:SER:CB[2_757]	2.17	0.03
1:E:51:ASP:CB	1:E:178:SER:O[2_657]	2.17	0.03
1:E:54:SER:O	1:F:157:TYR:CB[2_657]	2.17	0.03
1:E:56:LYS:N	1:F:157:TYR:OH[2_657]	2.17	0.03
1:E:57:ILE:O	1:F:161:ASP:N[2_657]	2.17	0.03
1:E:84:VAL:O	1:F:224:ARG:C[2_657]	2.17	0.03
1:E:85:LYS:CD	1:F:211:LEU:CD1[2_657]	2.17	0.03

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:88:ASN:CB	1:F:191:ILE:CB[2_657]	2.17	0.03
1:E:89:LEU:CD2	1:F:188:ASP:OD2[2_657]	2.17	0.03
1:A:2:PHE:C	1:E:155:LEU:C[2_657]	2.18	0.02
1:A:4:LYS:CB	1:E:154:GLU:OE2[2_657]	2.18	0.02
1:A:4:LYS:CG	1:E:153:LEU:O[2_657]	2.18	0.02
1:A:10:PRO:CG	1:A:166:GLN:OE1[2_757]	2.18	0.02
1:A:12:VAL:O	1:A:167:PRO:C[2_757]	2.18	0.02
1:A:13:GLU:O	1:A:168:GLN:O[2_757]	2.18	0.02
1:A:14:LEU:C	1:A:156:VAL:CG2[2_757]	2.18	0.02
1:A:19:MET:N	1:B:159:PRO:C[2_757]	2.18	0.02
1:A:21:ARG:NE	1:A:152:SER:CB[2_757]	2.18	0.02
1:A:29:LYS:N	1:E:176:LYS:CD[2_657]	2.18	0.02
1:A:36:LEU:N	1:E:174:ASP:CG[2_657]	2.18	0.02
1:A:41:LYS:O	1:A:168:GLN:CB[2_757]	2.18	0.02
1:A:43:TYR:CD2	1:B:145:THR:CG2[2_757]	2.18	0.02
1:A:45:LEU:CD1	1:A:155:LEU:C[2_757]	2.18	0.02
1:A:47:VAL:N	1:A:153:LEU:CD1[2_757]	2.18	0.02
1:A:50:ARG:NH2	1:B:155:LEU:CD1[2_757]	2.18	0.02
1:A:59:GLN:OE1	1:A:221:TYR:OH[2_757]	2.18	0.02
1:A:63:GLU:CB	1:B:147:ILE:CB[2_757]	2.18	0.02
1:A:65:ILE:CD1	1:A:157:TYR:CB[2_757]	2.18	0.02
1:A:69:GLY:O	1:A:159:PRO:O[2_757]	2.18	0.02
1:A:86:GLU:CD	1:A:148:PRO:C[2_757]	2.18	0.02
1:A:91:LYS:CB	1:B:272:LYS:NZ[2_757]	2.18	0.02
1:A:92:MET:CB	1:B:221:TYR:CB[2_757]	2.18	0.02
1:A:93:TRP:CE2	1:B:221:TYR:CZ[2_757]	2.18	0.02
1:A:100:ILE:CG2	1:B:153:LEU:O[2_757]	2.18	0.02
1:A:103:ILE:O	1:B:175:TYR:CA[2_757]	2.18	0.02
1:A:112:PRO:O	1:C:37:ASP:CG[2_858]	2.18	0.02
1:A:117:ARG:CB	1:F:44:ASP:N[2_657]	2.18	0.02
1:A:123:PRO:CB	1:C:13:GLU:CA[2_858]	2.18	0.02
1:A:124:ARG:N	1:C:71:GLY:CA[2_858]	2.18	0.02
1:A:130:ILE:N	1:C:351:THR:OG1[2_858]	2.18	0.02
1:A:163:THR:OG1	1:A:348:LEU:C[2_757]	2.18	0.02
1:A:207:LEU:N	1:C:356:LYS:CD[2_858]	2.18	0.02
1:A:216:THR:N	1:E:4:LYS:C[2_757]	2.18	0.02
1:A:262:LYS:C	1:C:305:PHE:CB[2_858]	2.18	0.02
1:A:264:LYS:C	1:C:341:GLY:C[2_858]	2.18	0.02
1:A:267:PHE:CE2	1:C:346:GLY:CA[2_858]	2.18	0.02
1:A:313:THR:CG2	1:B:157:TYR:CA[2_757]	2.18	0.02
1:A:318:TYR:CA	1:B:161:ASP:CA[2_757]	2.18	0.02

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:321:TYR:CG	1:B:160:SER:O[2_757]	2.18	0.02
1:A:327:THR:O	1:F:304:THR:CG2[2_657]	2.18	0.02
1:A:380:ALA:N	1:F:12:VAL:CG1[2_657]	2.18	0.02
1:A:381:LEU:C	1:F:40:LEU:C[2_657]	2.18	0.02
1:A:386:ASN:N	1:F:40:LEU:CD2[2_657]	2.18	0.02
1:A:391:TYR:CD1	1:F:71:GLY:N[2_657]	2.18	0.02
1:A:393:THR:CA	1:F:304:THR:CB[2_657]	2.18	0.02
1:A:399:ASP:OD2	1:F:105:GLY:N[2_657]	2.18	0.02
1:B:11:VAL:CB	1:E:370:GLN:O[2_757]	2.18	0.02
1:B:14:LEU:C	1:E:363:SER:CA[2_757]	2.18	0.02
1:B:47:VAL:N	1:E:343:LEU:CD2[2_757]	2.18	0.02
1:B:56:LYS:CA	1:E:337:ALA:CA[2_757]	2.18	0.02
1:B:62:ALA:CB	1:E:401:VAL:CG2[2_757]	2.18	0.02
1:B:63:GLU:O	5:E:1507:HOH:O[2_757]	2.18	0.02
1:B:66:LYS:CB	1:E:397:PHE:CG[2_757]	2.18	0.02
1:B:68:TYR:C	1:E:374:ILE:CA[2_757]	2.18	0.02
1:B:68:TYR:O	1:E:374:ILE:N[2_757]	2.18	0.02
1:B:68:TYR:CA	1:E:373:GLY:CA[2_757]	2.18	0.02
1:B:70:VAL:C	1:E:372:ASP:CB[2_757]	2.18	0.02
1:B:77:ILE:CB	1:E:356:LYS:CA[2_757]	2.18	0.02
1:B:86:GLU:N	1:E:350:ASN:N[2_757]	2.18	0.02
1:B:86:GLU:N	1:E:350:ASN:CG[2_757]	2.18	0.02
1:B:90:HIS:NE2	1:E:70:VAL:C[2_757]	2.18	0.02
1:B:94:LYS:N	1:E:36:LEU:CD1[2_757]	2.18	0.02
1:B:99:THR:CA	1:E:31:LEU:CG[2_757]	2.18	0.02
1:B:104:LEU:CB	1:E:400:ALA:C[2_757]	2.18	0.02
1:B:118:ILE:C	1:C:101:ARG:N[2_858]	2.18	0.02
1:B:119:PRO:CB	1:C:100:ILE:C[2_858]	2.18	0.02
1:B:120:ARG:CD	1:C:103:ILE:CD1[2_858]	2.18	0.02
1:B:122:VAL:CB	1:C:67:LYS:N[2_858]	2.18	0.02
1:B:261:ILE:N	1:C:67:LYS:NZ[2_858]	2.18	0.02
1:B:277:ASP:OD1	1:E:2:PHE:N[2_757]	2.18	0.02
1:B:290:LEU:CA	1:C:301:ASP:CA[2_858]	2.18	0.02
1:B:317:HIS:N	1:C:200:LYS:N[2_858]	2.18	0.02
1:B:318:TYR:C	1:C:203:ILE:CG1[2_858]	2.18	0.02
1:B:320:LYS:NZ	1:C:201:LEU:CG[2_858]	2.18	0.02
1:B:325:GLU:OE2	1:C:207:LEU:C[2_858]	2.18	0.02
1:B:332:ILE:CA	1:C:189:GLU:CB[2_858]	2.18	0.02
1:B:357:PHE:O	1:D:148:PRO:C[2_858]	2.18	0.02
1:B:361:LEU:CD1	1:D:178:SER:N[2_858]	2.18	0.02
1:B:367:ASN:CA	1:C:185:TYR:CB[2_858]	2.18	0.02

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:367:ASN:CG	1:C:185:TYR:CG[2_858]	2.18	0.02
1:B:391:TYR:N	1:C:276:GLY:CA[2_858]	2.18	0.02
1:B:398:LEU:CG	1:C:228:ILE:CD1[2_858]	2.18	0.02
1:B:403:LYS:NZ	1:C:218:LEU:CD1[2_858]	2.18	0.02
1:B:404:ARG:CB	1:D:181:ALA:C[2_858]	2.18	0.02
1:B:405:LEU:CD2	1:D:147:ILE:CB[2_858]	2.18	0.02
1:B:405:LEU:CD2	1:D:146:LEU:O[2_858]	2.18	0.02
1:B:408:GLU:CB	1:D:147:ILE:CD1[2_858]	2.18	0.02
1:B:408:GLU:CD	1:D:153:LEU:CG[2_858]	2.18	0.02
1:B:410:LYS:N	1:C:168:GLN:OE1[2_858]	2.18	0.02
1:C:157:TYR:CB	5:B:1205:HOH:O[2_858]	2.18	0.02
1:C:316:ARG:CA	1:C:323:LYS:CA[2_958]	2.18	0.02
1:C:316:ARG:CA	1:C:322:GLN:N[2_958]	2.18	0.02
1:C:316:ARG:C	1:C:322:GLN:N[2_958]	2.18	0.02
1:C:317:HIS:NE2	1:C:324:GLY:CA[2_958]	2.18	0.02
1:C:388:ARG:N	1:C:396:GLU:OE2[2_958]	2.18	0.02
1:D:3:SER:C	1:E:101:ARG:CZ[2_757]	2.18	0.02
1:D:4:LYS:CA	1:E:308:GLU:CD[2_757]	2.18	0.02
1:D:11:VAL:CG1	1:E:283:VAL:CG1[2_757]	2.18	0.02
1:D:26:LYS:CB	1:E:204:ASP:C[2_757]	2.18	0.02
1:D:31:LEU:CD1	1:E:198:SER:O[2_757]	2.18	0.02
1:D:32:ILE:CG2	1:E:110:ARG:C[2_757]	2.18	0.02
1:D:34:PRO:CB	1:E:296:ILE:CG2[2_757]	2.18	0.02
1:D:39:ASP:CA	1:E:292:LEU:C[2_757]	2.18	0.02
1:D:40:LEU:CA	1:E:112:PRO:C[2_757]	2.18	0.02
1:D:40:LEU:O	1:E:113:ILE:O[2_757]	2.18	0.02
1:D:43:TYR:CB	1:E:126:GLU:O[2_757]	2.18	0.02
1:D:65:ILE:CG1	1:E:125:TRP:C[2_757]	2.18	0.02
1:D:66:LYS:CB	1:E:123:PRO:CB[2_757]	2.18	0.02
1:D:72:ILE:O	1:E:265:GLY:CA[2_757]	2.18	0.02
1:D:73:LYS:O	1:E:266:GLY:O[2_757]	2.18	0.02
1:D:109:PHE:CB	3:F:1601:NDP:C3B[2_757]	2.18	0.02
1:D:113:ILE:CD1	1:E:248:TYR:O[2_757]	2.18	0.02
1:D:118:ILE:CB	1:E:234:GLU:CG[2_757]	2.18	0.02
1:D:136:HIS:NE2	1:F:385:ASN:N[2_757]	2.18	0.02
1:D:136:HIS:CG	1:F:385:ASN:CB[2_757]	2.18	0.02
1:D:137:GLY:N	1:F:385:ASN:O[2_757]	2.18	0.02
1:D:191:ILE:CA	1:F:376:THR:CA[2_757]	2.18	0.02
1:D:191:ILE:CA	1:F:376:THR:N[2_757]	2.18	0.02
1:D:191:ILE:N	1:F:375:MET:C[2_757]	2.18	0.02
1:D:194:PHE:CZ	5:F:1652:HOH:O[2_757]	2.18	0.02

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:196:HIS:O	3:F:1601:NDP:C6A[2_757]	2.18	0.02
1:D:210:PHE:CA	1:F:321:TYR:CG[2_757]	2.18	0.02
1:D:210:PHE:CB	1:F:321:TYR:C[2_757]	2.18	0.02
1:D:229:PHE:CA	1:F:395:GLU:N[2_757]	2.18	0.02
1:D:238:LYS:O	1:F:24:TRP:CA[2_757]	2.18	0.02
1:D:245:GLY:N	1:F:16:GLY:C[2_757]	2.18	0.02
1:D:251:ARG:NH1	1:F:322:GLN:O[2_757]	2.18	0.02
1:D:269:MET:N	1:F:317:HIS:N[2_757]	2.18	0.02
1:D:297:LEU:O	1:E:262:LYS:CA[2_757]	2.18	0.02
1:D:300:PRO:N	1:F:288:GLY:C[2_757]	2.18	0.02
1:D:301:ASP:CA	1:F:287:PHE:C[2_757]	2.18	0.02
1:D:305:PHE:CB	1:E:258:ALA:O[2_757]	2.18	0.02
1:D:327:THR:C	1:E:243:GLN:CD[2_757]	2.18	0.02
1:D:333:ALA:CB	1:E:247:HIS:C[2_757]	2.18	0.02
1:D:338:TRP:CD1	1:E:267:PHE:O[2_757]	2.18	0.02
1:D:340:ARG:NH1	1:E:251:ARG:CD[2_757]	2.18	0.02
1:D:344:LYS:N	1:E:257:VAL:CG1[2_757]	2.18	0.02
1:D:347:GLU:C	1:F:279:GLN:CD[2_757]	2.18	0.02
1:D:359:ASN:CB	1:E:272:LYS:CG[2_757]	2.18	0.02
1:D:367:ASN:N	1:E:229:PHE:C[2_757]	2.18	0.02
1:D:368:THR:OG1	1:E:196:HIS:CA[2_757]	2.18	0.02
1:D:370:GLN:CB	1:E:231:GLU:CG[2_757]	2.18	0.02
1:D:374:ILE:CG1	1:E:236:GLN:OE1[2_757]	2.18	0.02
1:D:398:LEU:CA	1:E:200:LYS:N[2_757]	2.18	0.02
1:D:406:GLN:OE1	1:E:300:PRO:CA[2_757]	2.18	0.02
1:D:406:GLN:CB	1:E:300:PRO:CD[2_757]	2.18	0.02
1:D:411:SER:O	1:E:137:GLY:CA[2_757]	2.18	0.02
1:E:245:GLY:CA	3:D:1401:NDP:C6A[2_757]	2.18	0.02
1:E:57:ILE:CA	1:F:159:PRO:CB[2_657]	2.18	0.02
1:E:59:GLN:C	1:F:162:PRO:N[2_657]	2.18	0.02
1:E:61:ALA:N	1:F:162:PRO:CD[2_657]	2.18	0.02
1:E:84:VAL:N	1:F:224:ARG:CD[2_657]	2.18	0.02
1:E:93:TRP:CA	1:E:146:LEU:CB[2_657]	2.18	0.02
1:A:11:VAL:C	1:A:167:PRO:C[2_757]	2.19	0.01
1:A:12:VAL:N	1:A:167:PRO:CB[2_757]	2.19	0.01
1:A:14:LEU:CA	1:A:156:VAL:CA[2_757]	2.19	0.01
1:A:17:ASP:CB	1:B:157:TYR:CA[2_757]	2.19	0.01
1:A:17:ASP:O	1:B:158:LYS:C[2_757]	2.19	0.01
1:A:18:GLU:N	1:B:158:LYS:N[2_757]	2.19	0.01
1:A:20:THR:CB	1:B:158:LYS:CD[2_757]	2.19	0.01
1:A:34:PRO:CG	1:E:173:TYR:CD2[2_657]	2.19	0.01

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:46:SER:O	1:A:172:VAL:CB[2_757]	2.19	0.01
1:A:54:SER:OG	1:B:139:GLN:CD[2_757]	2.19	0.01
1:A:56:LYS:CB	1:B:182:MET:CE[2_757]	2.19	0.01
1:A:59:GLN:CA	1:B:181:ALA:N[2_757]	2.19	0.01
1:A:60:ASP:O	1:B:146:LEU:O[2_757]	2.19	0.01
1:A:63:GLU:C	1:B:147:ILE:CG1[2_757]	2.19	0.01
1:A:65:ILE:C	1:A:157:TYR:CE1[2_757]	2.19	0.01
1:A:67:LYS:CA	1:B:148:PRO:O[2_757]	2.19	0.01
1:A:75:ALA:CB	1:B:168:GLN:O[2_757]	2.19	0.01
1:A:76:THR:OG1	1:B:155:LEU:CA[2_757]	2.19	0.01
1:A:88:ASN:CA	1:B:187:THR:N[2_757]	2.19	0.01
1:A:92:MET:C	1:B:221:TYR:CA[2_757]	2.19	0.01
1:A:92:MET:CG	1:B:221:TYR:CA[2_757]	2.19	0.01
1:A:99:THR:C	1:B:172:VAL:CG1[2_757]	2.19	0.01
1:A:103:ILE:N	1:B:173:TYR:CZ[2_757]	2.19	0.01
1:A:113:ILE:N	1:C:37:ASP:OD2[2_858]	2.19	0.01
1:A:123:PRO:N	1:C:12:VAL:O[2_858]	2.19	0.01
1:A:124:ARG:NE	1:C:306:GLU:C[2_858]	2.19	0.01
1:A:124:ARG:CG	1:C:71:GLY:C[2_858]	2.19	0.01
1:A:125:TRP:CD1	1:C:345:ARG:CD[2_858]	2.19	0.01
1:A:125:TRP:NE1	1:C:345:ARG:CZ[2_858]	2.19	0.01
1:A:128:PRO:CB	1:C:5:ILE:O[2_858]	2.19	0.01
1:A:129:ILE:CG1	1:C:345:ARG:CG[2_858]	2.19	0.01
1:A:261:ILE:CD1	1:C:69:GLY:N[2_858]	2.19	0.01
1:A:262:LYS:CD	1:C:305:PHE:CE1[2_858]	2.19	0.01
1:A:264:LYS:NZ	1:C:338:TRP:N[2_858]	2.19	0.01
1:A:269:MET:CA	1:C:349:ASP:C[2_858]	2.19	0.01
1:A:313:THR:CG2	1:B:157:TYR:CB[2_757]	2.19	0.01
1:A:315:THR:CA	1:B:165:ALA:CA[2_757]	2.19	0.01
1:A:319:ARG:O	1:B:161:ASP:CB[2_757]	2.19	0.01
1:A:327:THR:CA	1:F:304:THR:OG1[2_657]	2.19	0.01
1:A:328:SER:CB	1:F:69:GLY:CA[2_657]	2.19	0.01
1:A:330:ASN:CG	1:F:63:GLU:CB[2_657]	2.19	0.01
1:A:365:THR:CG2	1:F:59:GLN:CG[2_657]	2.19	0.01
1:A:372:ASP:OD2	1:F:96:PRO:C[2_657]	2.19	0.01
1:A:376:THR:O	1:F:65:ILE:N[2_657]	2.19	0.01
1:A:376:THR:O	1:F:64:ALA:CB[2_657]	2.19	0.01
1:A:381:LEU:CB	1:F:41:LYS:CG[2_657]	2.19	0.01
1:A:383:CYS:N	1:F:42:TYR:CA[2_657]	2.19	0.01
1:A:402:GLU:OE1	1:F:136:HIS:NE2[2_657]	2.19	0.01
1:B:168:GLN:CA	3:A:1101:NDP:O4D[2_757]	2.19	0.01

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:67:LYS:CB	3:A:1101:NDP:C2A[2_657]	2.19	0.01
1:B:164:THR:CA	5:A:1107:HOH:O[2_757]	2.19	0.01
1:B:5:ILE:CD1	1:C:164:THR:C[2_858]	2.19	0.01
1:B:12:VAL:C	1:E:367:ASN:OD1[2_757]	2.19	0.01
1:B:22:ILE:C	1:C:231:GLU:O[2_858]	2.19	0.01
1:B:56:LYS:C	1:E:337:ALA:N[2_757]	2.19	0.01
1:B:57:ILE:CB	1:E:336:PHE:CB[2_757]	2.19	0.01
1:B:64:ALA:C	1:E:369:VAL:CG2[2_757]	2.19	0.01
1:B:67:LYS:N	1:E:375:MET:N[2_757]	2.19	0.01
1:B:67:LYS:O	1:E:374:ILE:C[2_757]	2.19	0.01
1:B:67:LYS:CG	1:E:375:MET:N[2_757]	2.19	0.01
1:B:72:ILE:C	1:E:367:ASN:ND2[2_757]	2.19	0.01
1:B:77:ILE:CA	1:E:357:PHE:N[2_757]	2.19	0.01
1:B:81:GLU:CG	1:E:8:LYS:CD[2_757]	2.19	0.01
1:B:84:VAL:O	1:E:347:GLU:C[2_757]	2.19	0.01
1:B:84:VAL:CA	1:E:346:GLY:O[2_757]	2.19	0.01
1:B:89:LEU:CG	1:E:344:LYS:C[2_757]	2.19	0.01
1:B:90:HIS:N	1:E:70:VAL:CG2[2_757]	2.19	0.01
1:B:117:ARG:N	1:C:102:ASN:CG[2_858]	2.19	0.01
1:B:119:PRO:CA	1:C:100:ILE:CG2[2_858]	2.19	0.01
1:B:120:ARG:NE	1:C:103:ILE:CG2[2_858]	2.19	0.01
1:B:260:MET:C	1:C:67:LYS:NZ[2_858]	2.19	0.01
1:B:285:GLN:NE2	1:C:304:THR:C[2_858]	2.19	0.01
1:B:313:THR:O	1:C:237:TYR:OH[2_858]	2.19	0.01
1:B:316:ARG:C	1:C:200:LYS:CB[2_858]	2.19	0.01
1:B:318:TYR:CE1	1:C:237:TYR:C[2_858]	2.19	0.01
1:B:321:TYR:CE1	1:C:233:TYR:CD2[2_858]	2.19	0.01
1:B:322:GLN:C	1:C:241:PHE:O[2_858]	2.19	0.01
1:B:323:LYS:CA	1:C:246:ILE:C[2_858]	2.19	0.01
1:B:327:THR:CA	1:C:209:LEU:CD1[2_858]	2.19	0.01
1:B:331:SER:N	1:C:191:ILE:C[2_858]	2.19	0.01
1:B:352:PRO:N	1:C:163:THR:CB[2_858]	2.19	0.01
1:B:358:ALA:O	1:D:149:GLY:CA[2_858]	2.19	0.01
1:B:360:ILE:O	1:D:175:TYR:CD2[2_858]	2.19	0.01
1:B:361:LEU:O	1:D:178:SER:C[2_858]	2.19	0.01
1:B:361:LEU:CA	1:D:178:SER:CA[2_858]	2.19	0.01
1:B:361:LEU:N	1:D:147:ILE:CG2[2_858]	2.19	0.01
1:B:363:SER:CB	1:D:175:TYR:N[2_858]	2.19	0.01
1:B:367:ASN:C	1:C:185:TYR:N[2_858]	2.19	0.01
1:B:369:VAL:CB	1:C:136:HIS:C[2_858]	2.19	0.01
1:B:375:MET:CB	1:C:134:HIS:O[2_858]	2.19	0.01

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:377:LYS:CG	1:C:108:VAL:O[2_858]	2.19	0.01
1:B:381:LEU:CD1	1:C:109:PHE:N[2_858]	2.19	0.01
1:B:386:ASN:CA	1:C:295:SER:CB[2_858]	2.19	0.01
1:B:392:VAL:CG1	1:C:272:LYS:C[2_858]	2.19	0.01
1:B:394:THR:CB	1:C:195:ALA:CB[2_858]	2.19	0.01
1:B:394:THR:CB	1:C:229:PHE:CE2[2_858]	2.19	0.01
1:B:399:ASP:CB	1:C:225:PHE:N[2_858]	2.19	0.01
1:B:402:GLU:C	1:D:146:LEU:CD1[2_858]	2.19	0.01
1:B:403:LYS:N	1:C:221:TYR:N[2_858]	2.19	0.01
1:B:403:LYS:CA	1:C:221:TYR:CA[2_858]	2.19	0.01
1:B:405:LEU:CD1	1:D:147:ILE:N[2_858]	2.19	0.01
1:C:177:GLY:CA	5:F:1624:HOH:O[2_757]	2.19	0.01
1:C:314:VAL:O	1:C:323:LYS:CE[2_958]	2.19	0.01
1:C:316:ARG:CB	1:C:321:TYR:O[2_958]	2.19	0.01
1:C:388:ARG:NH2	1:C:391:TYR:CG[2_958]	2.19	0.01
1:D:2:PHE:CB	1:E:306:GLU:OE2[2_757]	2.19	0.01
1:D:3:SER:N	1:E:306:GLU:OE1[2_757]	2.19	0.01
1:D:5:ILE:N	1:E:110:ARG:NH1[2_757]	2.19	0.01
1:D:7:VAL:CB	1:E:281:ASP:N[2_757]	2.19	0.01
1:D:12:VAL:N	1:E:287:PHE:CD2[2_757]	2.19	0.01
1:D:14:LEU:CD1	1:E:126:GLU:CD[2_757]	2.19	0.01
1:D:33:LEU:O	1:E:109:PHE:O[2_757]	2.19	0.01
1:D:35:TYR:CE2	1:E:107:THR:N[2_757]	2.19	0.01
1:D:42:TYR:O	1:E:114:VAL:CG1[2_757]	2.19	0.01
1:D:64:ALA:N	1:E:123:PRO:CA[2_757]	2.19	0.01
1:D:64:ALA:C	1:E:122:VAL:C[2_757]	2.19	0.01
1:D:68:TYR:CE1	1:E:121:LEU:N[2_757]	2.19	0.01
1:D:85:LYS:N	1:D:85:LYS:O[2_858]	2.19	0.01
1:D:108:VAL:C	3:F:1601:NDP:O1X[2_757]	2.19	0.01
1:D:131:ILE:N	1:F:316:ARG:CB[2_757]	2.19	0.01
1:D:185:TYR:CZ	1:F:387:GLU:OE1[2_757]	2.19	0.01
1:D:188:ASP:OD1	1:F:374:ILE:CG1[2_757]	2.19	0.01
1:D:197:SER:C	3:F:1601:NDP:N6A[2_757]	2.19	0.01
1:D:200:LYS:CE	1:F:290:LEU:O[2_757]	2.19	0.01
1:D:202:ALA:O	1:F:313:THR:C[2_757]	2.19	0.01
1:D:204:ASP:O	3:F:1601:NDP:C3N[2_757]	2.19	0.01
1:D:205:LYS:CA	3:F:1601:NDP:C3D[2_757]	2.19	0.01
1:D:210:PHE:CE2	1:F:321:TYR:CE2[2_757]	2.19	0.01
1:D:224:ARG:CA	1:F:396:GLU:CD[2_757]	2.19	0.01
1:D:228:ILE:C	1:F:398:LEU:N[2_757]	2.19	0.01
1:D:228:ILE:CD1	1:F:392:VAL:CG1[2_757]	2.19	0.01

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:228:ILE:CG2	1:F:397:PHE:CD1[2_757]	2.19	0.01
1:D:230:GLN:N	1:F:395:GLU:O[2_757]	2.19	0.01
1:D:239:SER:O	1:F:24:TRP:CZ2[2_757]	2.19	0.01
1:D:241:PHE:CD1	1:F:20:THR:CB[2_757]	2.19	0.01
1:D:242:GLU:C	1:F:15:ASP:OD2[2_757]	2.19	0.01
1:D:243:GLN:N	1:F:15:ASP:CG[2_757]	2.19	0.01
1:D:244:LEU:CB	1:F:16:GLY:C[2_757]	2.19	0.01
1:D:244:LEU:O	1:F:46:SER:N[2_757]	2.19	0.01
1:D:247:HIS:NE2	1:F:21:ARG:NH1[2_757]	2.19	0.01
1:D:268:ILE:CB	1:F:318:TYR:N[2_757]	2.19	0.01
1:D:300:PRO:CB	1:F:379:LEU:CD2[2_757]	2.19	0.01
1:D:300:PRO:O	1:F:289:SER:C[2_757]	2.19	0.01
1:D:305:PHE:CD2	1:E:261:ILE:CA[2_757]	2.19	0.01
1:D:328:SER:O	1:E:239:SER:O[2_757]	2.19	0.01
1:D:335:ILE:CB	1:E:209:LEU:CD2[2_757]	2.19	0.01
1:D:339:SER:CB	1:E:210:PHE:O[2_757]	2.19	0.01
1:D:343:LEU:CD1	1:E:253:ILE:CD1[2_757]	2.19	0.01
1:D:345:ARG:NE	1:E:282:ILE:CB[2_757]	2.19	0.01
1:D:354:LEU:CB	1:E:278:VAL:C[2_757]	2.19	0.01
1:D:354:LEU:CA	1:E:276:GLY:O[2_757]	2.19	0.01
1:D:356:LYS:O	1:E:273:ASN:N[2_757]	2.19	0.01
1:D:357:PHE:CE2	1:E:131:ILE:C[2_757]	2.19	0.01
1:D:360:ILE:CG1	1:E:134:HIS:CB[2_757]	2.19	0.01
1:D:360:ILE:O	1:E:194:PHE:CG[2_757]	2.19	0.01
1:D:361:LEU:CD1	1:E:269:MET:C[2_757]	2.19	0.01
1:D:367:ASN:N	1:E:228:ILE:O[2_757]	2.19	0.01
1:D:376:THR:N	1:E:237:TYR:O[2_757]	2.19	0.01
1:D:401:VAL:N	1:E:200:LYS:CG[2_757]	2.19	0.01
1:D:404:ARG:NH1	1:E:191:ILE:C[2_757]	2.19	0.01
1:D:404:ARG:CB	1:E:196:HIS:CB[2_757]	2.19	0.01
1:D:406:GLN:C	1:E:106:GLY:N[2_757]	2.19	0.01
1:D:408:GLU:C	1:E:134:HIS:CE1[2_757]	2.19	0.01
1:D:408:GLU:OE1	1:E:191:ILE:O[2_757]	2.19	0.01
1:D:411:SER:N	1:E:136:HIS:C[2_757]	2.19	0.01
1:E:48:GLU:CA	1:E:177:GLY:C[2_657]	2.19	0.01
1:E:49:SER:O	1:E:149:GLY:O[2_657]	2.19	0.01
1:E:54:SER:C	1:F:157:TYR:CD2[2_657]	2.19	0.01
1:E:55:ASP:O	1:F:157:TYR:CE2[2_657]	2.19	0.01
1:E:56:LYS:CB	1:F:159:PRO:CA[2_657]	2.19	0.01
1:E:61:ALA:CB	1:F:161:ASP:OD1[2_657]	2.19	0.01
1:E:82:ALA:N	1:F:227:ASP:CA[2_657]	2.19	0.01

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:84:VAL:CG2	1:F:224:ARG:CB[2_657]	2.19	0.01
1:E:85:LYS:CD	1:F:225:PHE:O[2_657]	2.19	0.01
1:E:91:LYS:C	1:E:146:LEU:CA[2_657]	2.19	0.01
1:E:93:TRP:N	1:E:146:LEU:CD2[2_657]	2.19	0.01

## 5.3 Torsion angles [\(i\)](#)

### 5.3.1 Protein backbone [\(i\)](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all 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	408/427 (96%)	365 (90%)	35 (9%)	8 (2%)	7	19
1	B	408/427 (96%)	368 (90%)	32 (8%)	8 (2%)	7	19
1	C	408/427 (96%)	364 (89%)	35 (9%)	9 (2%)	6	17
1	D	408/427 (96%)	359 (88%)	43 (10%)	6 (2%)	10	26
1	E	408/427 (96%)	364 (89%)	39 (10%)	5 (1%)	13	32
1	F	408/427 (96%)	361 (88%)	41 (10%)	6 (2%)	10	26
All	All	2448/2562 (96%)	2181 (89%)	225 (9%)	42 (2%)	9	23

All (42) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	8	LYS
1	A	236	GLN
1	B	8	LYS
1	D	8	LYS
1	E	8	LYS
1	E	141	LYS
1	A	18	GLU
1	B	81	GLU
1	B	141	LYS
1	B	324	GLY
1	C	8	LYS

Continued on next page...

*Continued from previous page...*

Mol	Chain	Res	Type
1	C	136	HIS
1	A	141	LYS
1	A	162	PRO
1	A	249	GLU
1	C	139	GLN
1	C	167	PRO
1	F	141	LYS
1	A	408	GLU
1	B	162	PRO
1	C	162	PRO
1	C	215	ASN
1	D	18	GLU
1	D	162	PRO
1	D	236	GLN
1	F	8	LYS
1	F	408	GLU
1	A	407	LYS
1	C	410	LYS
1	D	167	PRO
1	E	138	ASP
1	E	296	ILE
1	F	162	PRO
1	B	150	PRO
1	B	284	ALA
1	C	352	PRO
1	D	352	PRO
1	F	18	GLU
1	E	162	PRO
1	F	167	PRO
1	B	148	PRO
1	C	351	THR

### 5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all 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.

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	354/367 (96%)	332 (94%)	22 (6%)	18	40
1	B	354/367 (96%)	332 (94%)	22 (6%)	18	40
1	C	354/367 (96%)	332 (94%)	22 (6%)	18	40
1	D	354/367 (96%)	331 (94%)	23 (6%)	17	38
1	E	354/367 (96%)	330 (93%)	24 (7%)	16	36
1	F	354/367 (96%)	330 (93%)	24 (7%)	16	36
All	All	2124/2202 (96%)	1987 (94%)	137 (6%)	17	38

All (137) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	2	PHE
1	A	47	VAL
1	A	116	PRO
1	A	139	GLN
1	A	201	LEU
1	A	209	LEU
1	A	211	LEU
1	A	213	THR
1	A	218	LEU
1	A	229	PHE
1	A	247	HIS
1	A	251	ARG
1	A	254	ASP
1	A	301	ASP
1	A	314	VAL
1	A	330	ASN
1	A	331	SER
1	A	350	ASN
1	A	354	LEU
1	A	361	LEU
1	A	388	ARG
1	A	405	LEU
1	B	2	PHE
1	B	47	VAL
1	B	95	SER
1	B	139	GLN
1	B	153	LEU

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	B	209	LEU
1	B	211	LEU
1	B	218	LEU
1	B	236	GLN
1	B	247	HIS
1	B	251	ARG
1	B	254	ASP
1	B	297	LEU
1	B	301	ASP
1	B	314	VAL
1	B	330	ASN
1	B	331	SER
1	B	354	LEU
1	B	361	LEU
1	B	372	ASP
1	B	388	ARG
1	B	405	LEU
1	C	2	PHE
1	C	14	LEU
1	C	21	ARG
1	C	47	VAL
1	C	95	SER
1	C	139	GLN
1	C	152	SER
1	C	153	LEU
1	C	209	LEU
1	C	211	LEU
1	C	218	LEU
1	C	229	PHE
1	C	251	ARG
1	C	330	ASN
1	C	331	SER
1	C	343	LEU
1	C	350	ASN
1	C	354	LEU
1	C	361	LEU
1	C	372	ASP
1	C	388	ARG
1	C	405	LEU
1	D	2	PHE
1	D	14	LEU
1	D	47	VAL

*Continued on next page...*



*Continued from previous page...*

<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	D	95	SER
1	D	120	ARG
1	D	139	GLN
1	D	152	SER
1	D	153	LEU
1	D	209	LEU
1	D	211	LEU
1	D	218	LEU
1	D	247	HIS
1	D	251	ARG
1	D	297	LEU
1	D	301	ASP
1	D	305	PHE
1	D	330	ASN
1	D	343	LEU
1	D	354	LEU
1	D	361	LEU
1	D	376	THR
1	D	388	ARG
1	D	405	LEU
1	E	2	PHE
1	E	47	VAL
1	E	80	ASP
1	E	88	ASN
1	E	139	GLN
1	E	182	MET
1	E	186	ASN
1	E	201	LEU
1	E	209	LEU
1	E	211	LEU
1	E	213	THR
1	E	218	LEU
1	E	239	SER
1	E	247	HIS
1	E	254	ASP
1	E	314	VAL
1	E	330	ASN
1	E	331	SER
1	E	354	LEU
1	E	361	LEU
1	E	372	ASP
1	E	388	ARG

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type
1	E	404	ARG
1	E	405	LEU
1	F	2	PHE
1	F	47	VAL
1	F	55	ASP
1	F	95	SER
1	F	120	ARG
1	F	155	LEU
1	F	161	ASP
1	F	186	ASN
1	F	209	LEU
1	F	211	LEU
1	F	213	THR
1	F	218	LEU
1	F	247	HIS
1	F	251	ARG
1	F	305	PHE
1	F	314	VAL
1	F	330	ASN
1	F	331	SER
1	F	354	LEU
1	F	361	LEU
1	F	376	THR
1	F	388	ARG
1	F	403	LYS
1	F	405	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (42) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	59	GLN
1	A	88	ASN
1	A	90	HIS
1	A	97	ASN
1	A	102	ASN
1	A	322	GLN
1	A	330	ASN
1	A	359	ASN
1	B	88	ASN
1	B	102	ASN
1	B	322	GLN
1	B	330	ASN

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type
1	B	370	GLN
1	C	59	GLN
1	C	88	ASN
1	C	90	HIS
1	C	102	ASN
1	C	259	GLN
1	C	322	GLN
1	C	330	ASN
1	C	359	ASN
1	C	370	GLN
1	C	386	ASN
1	D	90	HIS
1	D	136	HIS
1	D	259	GLN
1	D	322	GLN
1	D	330	ASN
1	D	370	GLN
1	E	59	GLN
1	E	102	ASN
1	E	259	GLN
1	E	322	GLN
1	E	330	ASN
1	E	359	ASN
1	F	90	HIS
1	F	230	GLN
1	F	236	GLN
1	F	259	GLN
1	F	322	GLN
1	F	330	ASN
1	F	370	GLN

### 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 monosaccharides in this entry.

## 5.6 Ligand geometry [i](#)

Of 18 ligands modelled in this entry, 6 are monoatomic - leaving 12 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. 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  $|Z| > 2$  is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
3	NDP	C	1301	-	45,52,52	1.27	5 (11%)	53,80,80	1.02	2 (3%)
4	AKG	D	1402	-	9,9,9	1.22	1 (11%)	11,11,11	1.45	2 (18%)
3	NDP	D	1401	-	45,52,52	1.27	5 (11%)	53,80,80	1.09	3 (5%)
3	NDP	A	1101	-	45,52,52	1.27	5 (11%)	53,80,80	1.02	4 (7%)
4	AKG	E	1502	-	9,9,9	1.20	0	11,11,11	1.55	2 (18%)
3	NDP	F	1601	-	45,52,52	1.27	5 (11%)	53,80,80	1.09	3 (5%)
4	AKG	F	1602	-	9,9,9	1.23	1 (11%)	11,11,11	1.43	3 (27%)
4	AKG	C	1302	-	9,9,9	1.22	1 (11%)	11,11,11	1.42	1 (9%)
3	NDP	B	1201	-	45,52,52	1.28	5 (11%)	53,80,80	0.99	2 (3%)
3	NDP	E	1501	-	45,52,52	1.28	5 (11%)	53,80,80	1.11	3 (5%)
4	AKG	A	1102	-	9,9,9	1.24	1 (11%)	11,11,11	1.42	2 (18%)
4	AKG	B	1202	-	9,9,9	1.23	1 (11%)	11,11,11	1.41	2 (18%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
3	NDP	C	1301	-	-	12/30/77/77	0/5/5/5
4	AKG	D	1402	-	-	4/9/9/9	-
3	NDP	D	1401	-	-	12/30/77/77	0/5/5/5
3	NDP	A	1101	-	-	13/30/77/77	0/5/5/5

*Continued on next page...*

*Continued from previous page...*

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
4	AKG	E	1502	-	-	3/9/9/9	-
3	NDP	F	1601	-	-	13/30/77/77	0/5/5/5
4	AKG	F	1602	-	-	3/9/9/9	-
4	AKG	C	1302	-	-	5/9/9/9	-
3	NDP	B	1201	-	-	12/30/77/77	0/5/5/5
3	NDP	E	1501	-	-	10/30/77/77	0/5/5/5
4	AKG	A	1102	-	-	3/9/9/9	-
4	AKG	B	1202	-	-	3/9/9/9	-

All (35) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	B	1201	NDP	C4N-C5N	-3.64	1.39	1.48
3	C	1301	NDP	C4N-C5N	-3.57	1.39	1.48
3	D	1401	NDP	C4N-C5N	-3.55	1.39	1.48
3	A	1101	NDP	C4N-C5N	-3.54	1.39	1.48
3	E	1501	NDP	C4N-C5N	-3.54	1.39	1.48
3	F	1601	NDP	C4N-C5N	-3.52	1.39	1.48
3	B	1201	NDP	C6N-C5N	3.46	1.39	1.33
3	D	1401	NDP	C6N-C5N	3.43	1.39	1.33
3	E	1501	NDP	C6N-C5N	3.40	1.39	1.33
3	C	1301	NDP	C6N-C5N	3.38	1.39	1.33
3	A	1101	NDP	C6N-C5N	3.36	1.39	1.33
3	F	1601	NDP	C6N-C5N	3.36	1.39	1.33
3	C	1301	NDP	PN-O1N	2.99	1.61	1.50
3	E	1501	NDP	PN-O1N	2.98	1.61	1.50
3	F	1601	NDP	PN-O1N	2.98	1.61	1.50
3	B	1201	NDP	PN-O1N	2.96	1.61	1.50
3	A	1101	NDP	PN-O1N	2.93	1.61	1.50
3	D	1401	NDP	PN-O1N	2.91	1.61	1.50
3	F	1601	NDP	O4B-C1B	2.38	1.44	1.41
3	E	1501	NDP	O4B-C1B	2.33	1.44	1.41
3	D	1401	NDP	O4B-C1B	2.30	1.44	1.41
3	A	1101	NDP	O4B-C1B	2.29	1.44	1.41
3	B	1201	NDP	O4B-C1B	2.28	1.44	1.41
3	B	1201	NDP	C7N-C3N	2.22	1.53	1.48
3	C	1301	NDP	O4B-C1B	2.22	1.44	1.41
3	C	1301	NDP	C7N-C3N	2.21	1.53	1.48
3	D	1401	NDP	C7N-C3N	2.19	1.53	1.48
3	F	1601	NDP	C7N-C3N	2.16	1.53	1.48

*Continued on next page...*

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	E	1501	NDP	C7N-C3N	2.15	1.53	1.48
4	A	1102	AKG	C3-C2	2.13	1.53	1.51
3	A	1101	NDP	C7N-C3N	2.12	1.53	1.48
4	B	1202	AKG	C3-C2	2.07	1.53	1.51
4	D	1402	AKG	C3-C2	2.06	1.53	1.51
4	F	1602	AKG	C3-C2	2.03	1.53	1.51
4	C	1302	AKG	C3-C2	2.02	1.53	1.51

All (29) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	E	1501	NDP	N3A-C2A-N1A	-4.54	121.58	128.68
3	B	1201	NDP	N3A-C2A-N1A	-4.38	121.84	128.68
3	D	1401	NDP	N3A-C2A-N1A	-4.37	121.86	128.68
3	C	1301	NDP	N3A-C2A-N1A	-4.34	121.89	128.68
3	A	1101	NDP	N3A-C2A-N1A	-4.26	122.02	128.68
3	F	1601	NDP	N3A-C2A-N1A	-4.24	122.05	128.68
3	E	1501	NDP	PN-O3-PA	-3.50	120.82	132.83
3	D	1401	NDP	PN-O3-PA	-3.27	121.60	132.83
3	C	1301	NDP	PN-O3-PA	-2.95	122.69	132.83
4	E	1502	AKG	O1-C1-C2	-2.84	117.93	121.72
3	F	1601	NDP	PN-O3-PA	-2.83	123.11	132.83
3	A	1101	NDP	PN-O3-PA	-2.82	123.15	132.83
4	D	1402	AKG	O1-C1-C2	-2.77	118.03	121.72
4	C	1302	AKG	O1-C1-C2	-2.64	118.19	121.72
3	B	1201	NDP	PN-O3-PA	-2.57	124.00	132.83
4	F	1602	AKG	O1-C1-C2	-2.56	118.30	121.72
4	A	1102	AKG	O1-C1-C2	-2.49	118.39	121.72
4	B	1202	AKG	O1-C1-C2	-2.41	118.51	121.72
4	B	1202	AKG	C3-C2-C1	2.39	120.42	115.97
4	F	1602	AKG	C3-C2-C1	2.39	120.42	115.97
4	A	1102	AKG	C3-C2-C1	2.36	120.36	115.97
4	E	1502	AKG	C3-C2-C1	2.33	120.30	115.97
3	D	1401	NDP	C3N-C2N-N1N	-2.19	119.97	123.10
3	A	1101	NDP	C3N-C2N-N1N	-2.16	120.01	123.10
3	F	1601	NDP	C3N-C2N-N1N	-2.16	120.01	123.10
3	E	1501	NDP	C3N-C2N-N1N	-2.08	120.13	123.10
3	A	1101	NDP	C4A-C5A-N7A	-2.05	107.26	109.40
4	D	1402	AKG	O3-C5-C4	-2.02	116.59	123.08
4	F	1602	AKG	O3-C5-C4	-2.01	116.62	123.08

There are no chirality outliers.

All (93) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	1101	NDP	C5B-O5B-PA-O1A
3	A	1101	NDP	C5B-O5B-PA-O2A
3	A	1101	NDP	C3B-C2B-O2B-P2B
3	A	1101	NDP	C5D-O5D-PN-O1N
3	B	1201	NDP	C5B-O5B-PA-O1A
3	B	1201	NDP	C5B-O5B-PA-O2A
3	B	1201	NDP	C3B-C2B-O2B-P2B
3	B	1201	NDP	C5D-O5D-PN-O1N
3	C	1301	NDP	C5B-O5B-PA-O2A
3	C	1301	NDP	C3B-C2B-O2B-P2B
3	D	1401	NDP	C5B-O5B-PA-O1A
3	D	1401	NDP	C5B-O5B-PA-O2A
3	D	1401	NDP	C3B-C2B-O2B-P2B
3	D	1401	NDP	C5D-O5D-PN-O1N
3	E	1501	NDP	C5B-O5B-PA-O2A
3	E	1501	NDP	C3B-C2B-O2B-P2B
3	F	1601	NDP	C5B-O5B-PA-O1A
3	F	1601	NDP	C5B-O5B-PA-O2A
3	F	1601	NDP	C3B-C2B-O2B-P2B
3	F	1601	NDP	C5D-O5D-PN-O1N
4	A	1102	AKG	C1-C2-C3-C4
4	C	1302	AKG	O2-C1-C2-C3
4	C	1302	AKG	C1-C2-C3-C4
4	D	1402	AKG	O2-C1-C2-C3
4	D	1402	AKG	C1-C2-C3-C4
3	A	1101	NDP	C2D-C1D-N1N-C2N
3	E	1501	NDP	C2D-C1D-N1N-C2N
3	F	1601	NDP	PN-O3-PA-O1A
3	B	1201	NDP	C2D-C1D-N1N-C2N
3	C	1301	NDP	C2D-C1D-N1N-C2N
3	A	1101	NDP	C2D-C1D-N1N-C6N
3	F	1601	NDP	C2D-C1D-N1N-C2N
3	A	1101	NDP	C2B-O2B-P2B-O1X
3	D	1401	NDP	C2B-O2B-P2B-O1X
3	E	1501	NDP	C2B-O2B-P2B-O1X
3	D	1401	NDP	C2D-C1D-N1N-C2N
3	E	1501	NDP	C2D-C1D-N1N-C6N
3	A	1101	NDP	C5D-O5D-PN-O3
3	B	1201	NDP	C2B-O2B-P2B-O2X
3	B	1201	NDP	C5D-O5D-PN-O3
3	C	1301	NDP	C5B-O5B-PA-O3
3	D	1401	NDP	C5D-O5D-PN-O3

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Atoms
3	E	1501	NDP	C5B-O5B-PA-O3
3	F	1601	NDP	C5D-O5D-PN-O3
3	A	1101	NDP	O4D-C1D-N1N-C2N
3	B	1201	NDP	O4D-C1D-N1N-C2N
3	C	1301	NDP	O4D-C1D-N1N-C2N
3	E	1501	NDP	O4D-C1D-N1N-C2N
3	B	1201	NDP	C2D-C1D-N1N-C6N
3	A	1101	NDP	C5D-O5D-PN-O2N
3	B	1201	NDP	C5D-O5D-PN-O2N
3	C	1301	NDP	C5B-O5B-PA-O1A
3	C	1301	NDP	C5D-O5D-PN-O2N
3	D	1401	NDP	C5D-O5D-PN-O2N
3	E	1501	NDP	C5B-O5B-PA-O1A
3	E	1501	NDP	C5D-O5D-PN-O2N
3	F	1601	NDP	C5D-O5D-PN-O2N
4	B	1202	AKG	C1-C2-C3-C4
4	E	1502	AKG	C1-C2-C3-C4
4	F	1602	AKG	C1-C2-C3-C4
3	D	1401	NDP	O4D-C1D-N1N-C2N
3	C	1301	NDP	C2D-C1D-N1N-C6N
3	F	1601	NDP	O4D-C1D-N1N-C2N
3	D	1401	NDP	C2D-C1D-N1N-C6N
3	F	1601	NDP	C2D-C1D-N1N-C6N
3	A	1101	NDP	O4D-C1D-N1N-C6N
3	B	1201	NDP	O4D-C1D-N1N-C6N
3	E	1501	NDP	O4D-C1D-N1N-C6N
3	C	1301	NDP	O4D-C1D-N1N-C6N
4	C	1302	AKG	C3-C4-C5-O4
4	D	1402	AKG	C3-C4-C5-O4
4	B	1202	AKG	C3-C4-C5-O4
4	A	1102	AKG	C3-C4-C5-O4
4	F	1602	AKG	C3-C4-C5-O3
4	E	1502	AKG	C3-C4-C5-O4
4	F	1602	AKG	C3-C4-C5-O4
4	E	1502	AKG	C3-C4-C5-O3
3	C	1301	NDP	C2B-O2B-P2B-O1X
3	F	1601	NDP	C2B-O2B-P2B-O1X
4	B	1202	AKG	C3-C4-C5-O3
3	D	1401	NDP	O4D-C1D-N1N-C6N
3	F	1601	NDP	O4D-C1D-N1N-C6N
4	A	1102	AKG	C3-C4-C5-O3
4	C	1302	AKG	C3-C4-C5-O3

*Continued on next page...*



*Continued from previous page...*

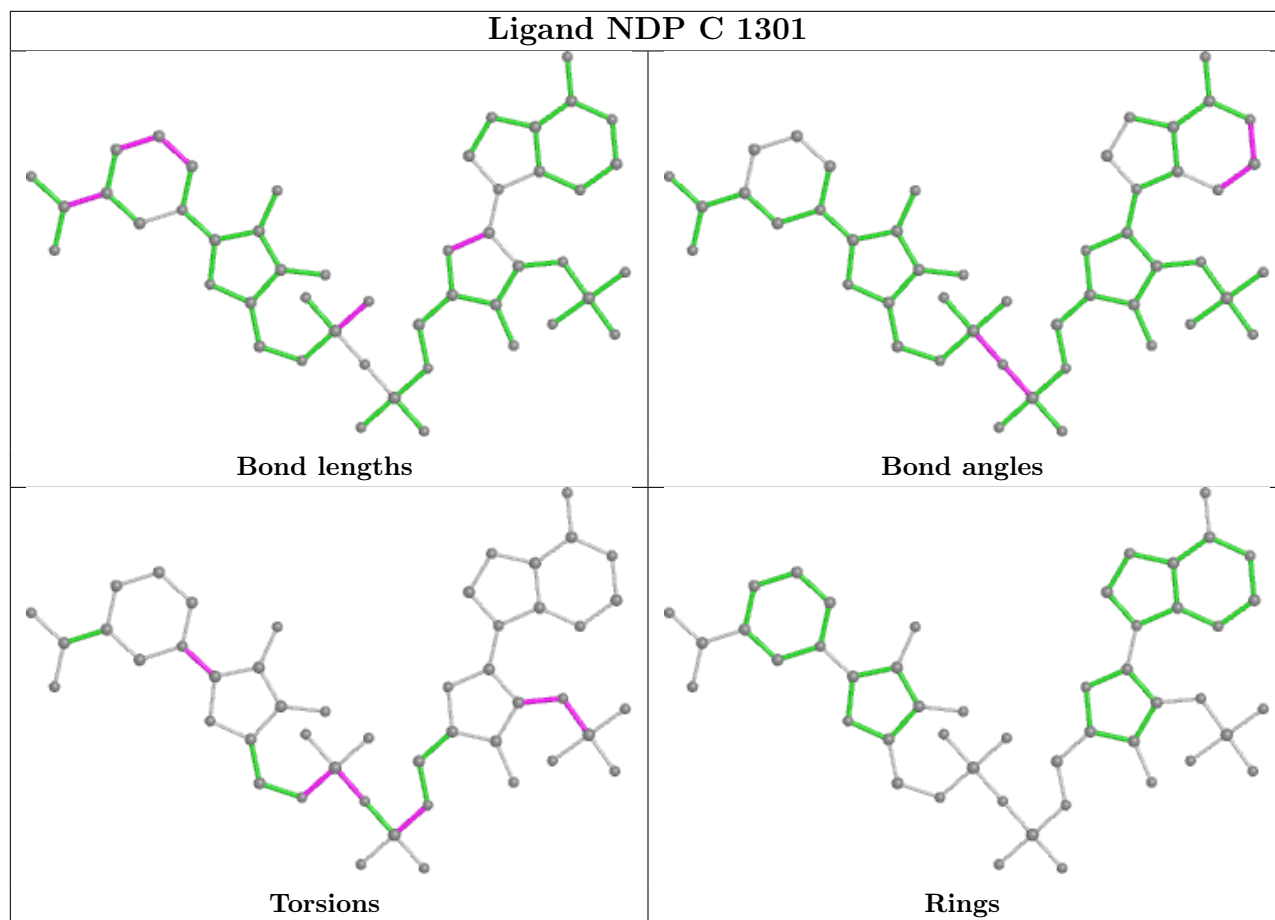
Mol	Chain	Res	Type	Atoms
4	D	1402	AKG	C3-C4-C5-O3
3	A	1101	NDP	C5B-O5B-PA-O3
3	A	1101	NDP	C2B-O2B-P2B-O3X
3	B	1201	NDP	C5B-O5B-PA-O3
3	C	1301	NDP	C2B-O2B-P2B-O2X
3	D	1401	NDP	C5B-O5B-PA-O3
3	F	1601	NDP	C5B-O5B-PA-O3
3	C	1301	NDP	PA-O3-PN-O2N
4	C	1302	AKG	O5-C2-C3-C4

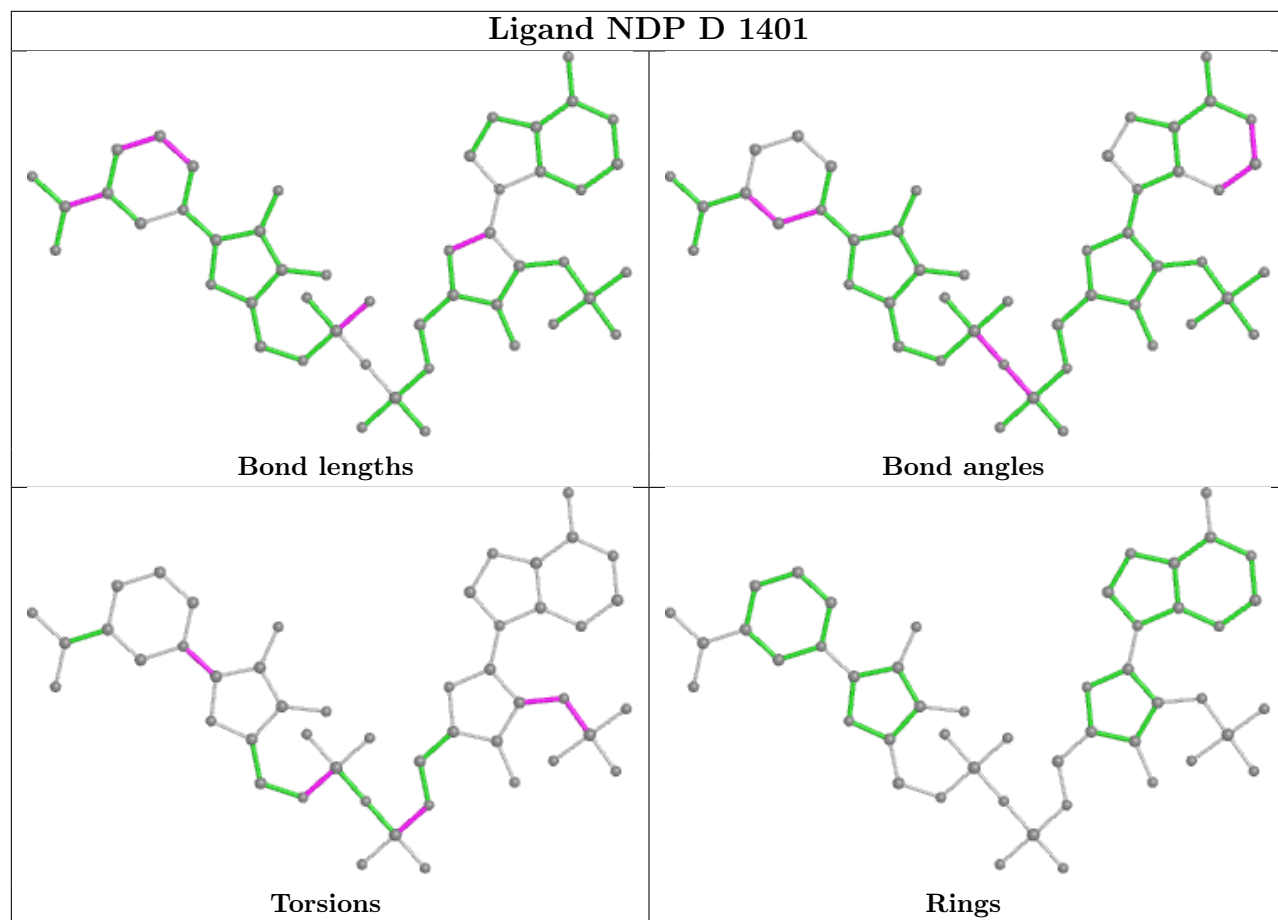
There are no ring outliers.

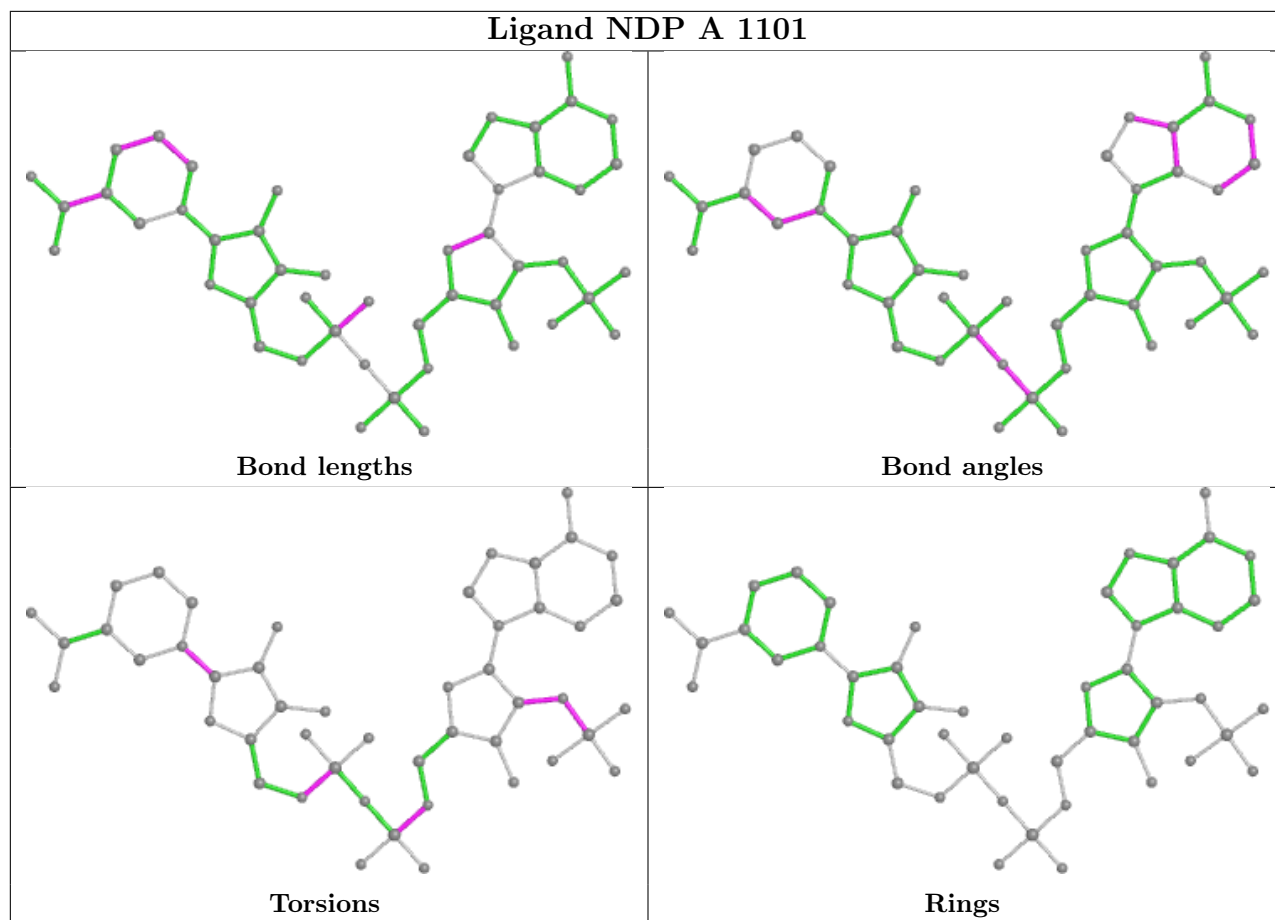
12 monomers are involved in 277 short contacts:

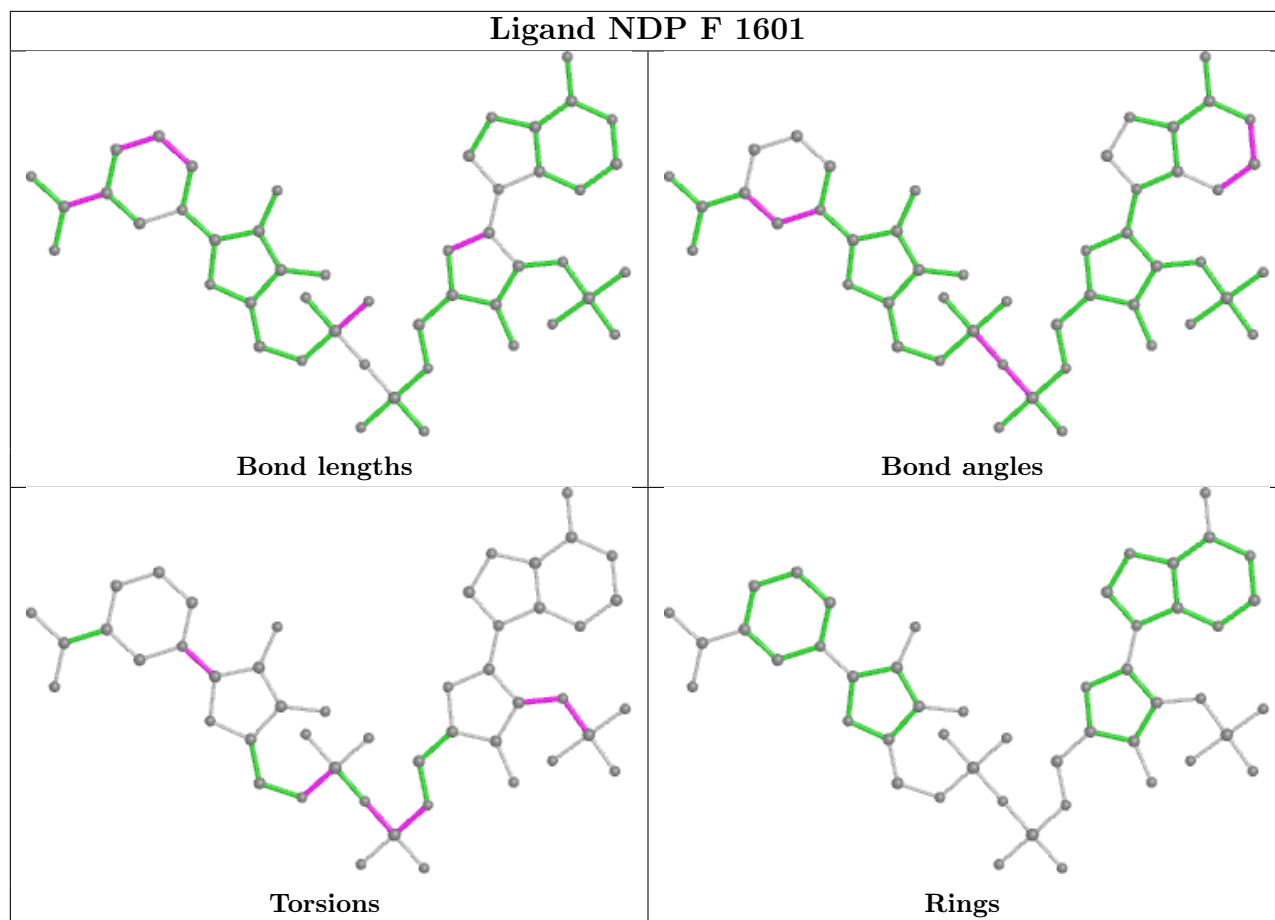
Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	C	1301	NDP	12	4
4	D	1402	AKG	5	0
3	D	1401	NDP	12	12
3	A	1101	NDP	13	54
4	E	1502	AKG	6	1
3	F	1601	NDP	11	109
4	F	1602	AKG	5	0
4	C	1302	AKG	6	4
3	B	1201	NDP	13	10
3	E	1501	NDP	12	0
4	A	1102	AKG	7	4
4	B	1202	AKG	6	5

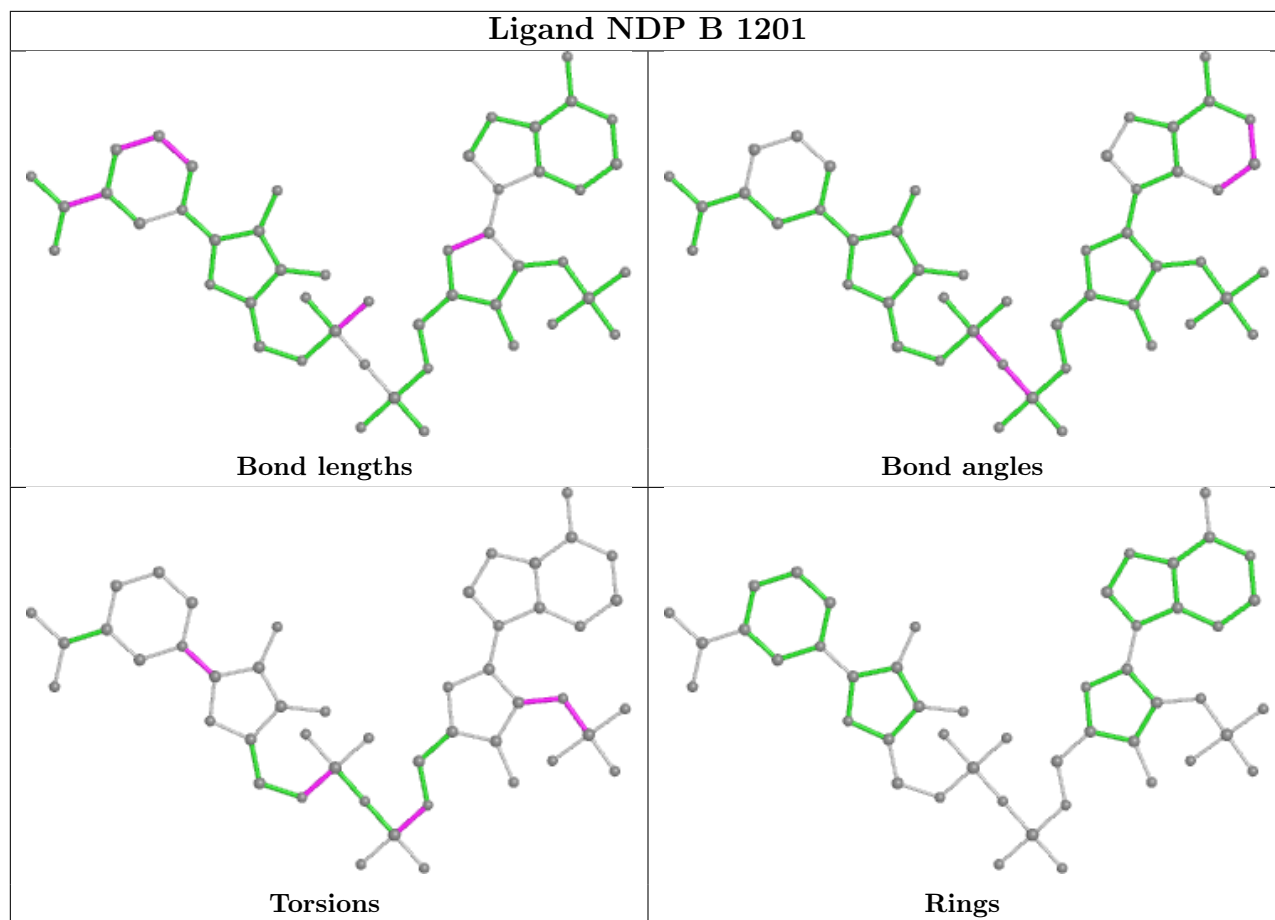
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

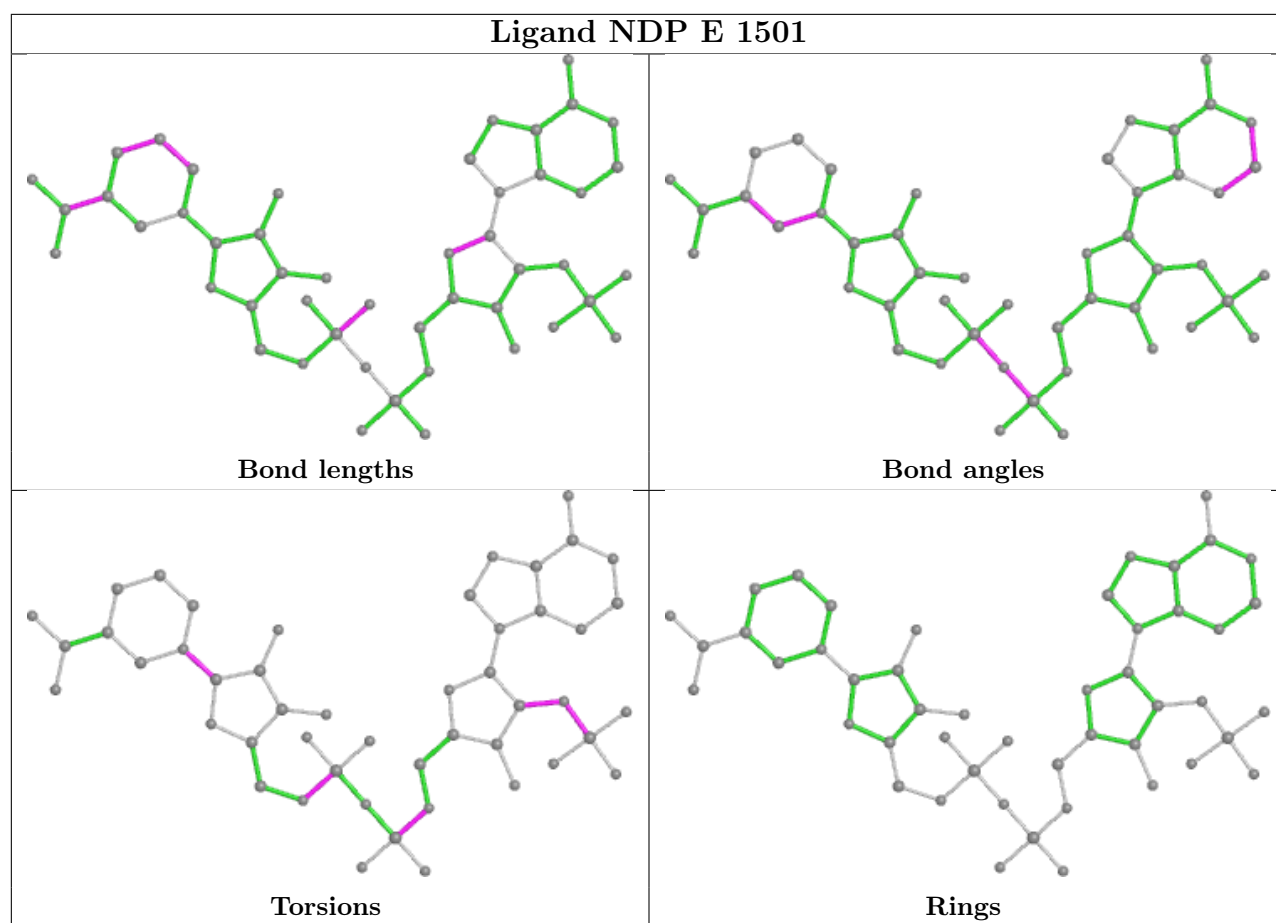












## 5.7 Other polymers [i](#)

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](#)

Unable to reproduce the depositors R factor - this section is therefore empty.

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

Unable to reproduce the depositors R factor - this section is therefore empty.

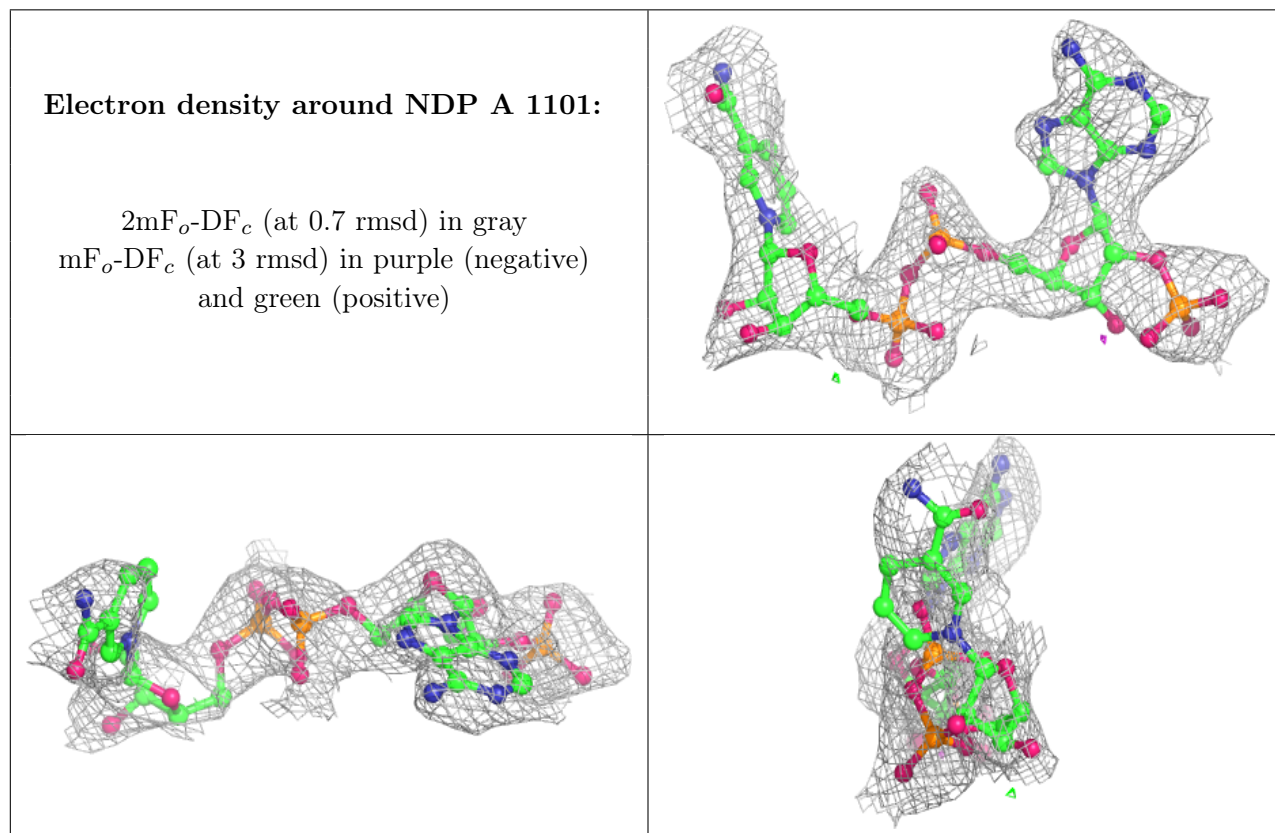
### 6.3 Carbohydrates [i](#)

Unable to reproduce the depositors R factor - this section is therefore empty.

### 6.4 Ligands [i](#)

Unable to reproduce the depositors R factor - this section is therefore empty.

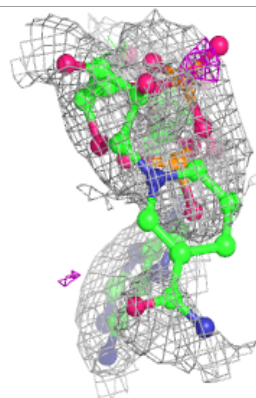
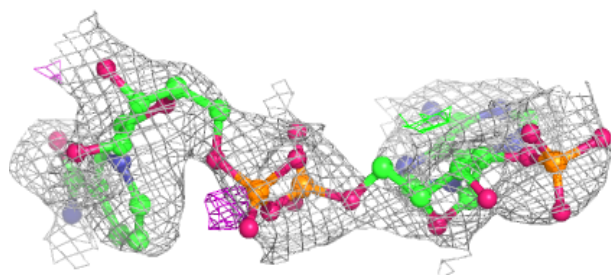
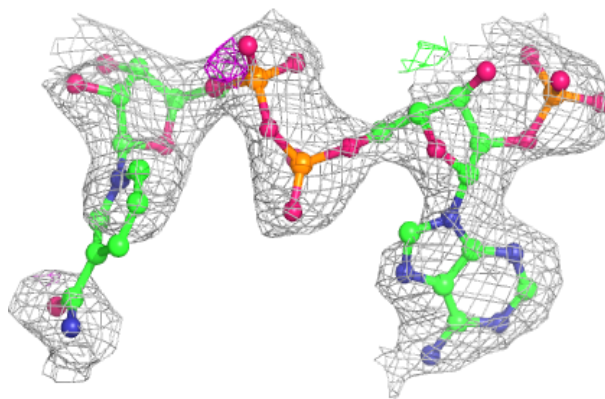
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.



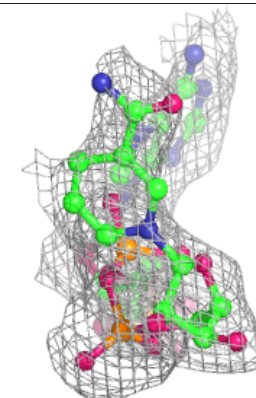
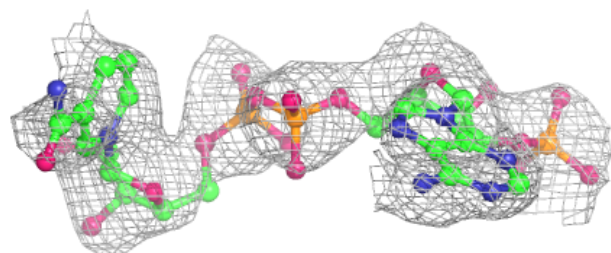
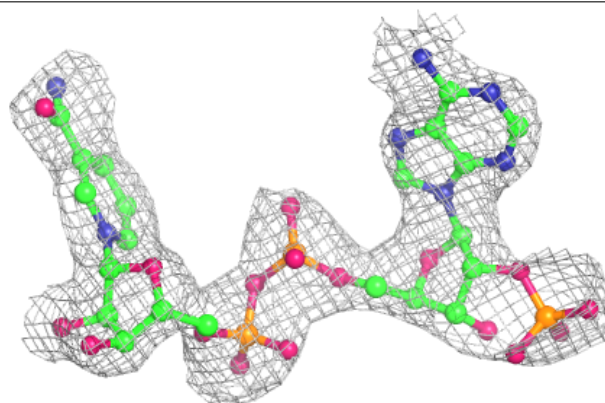


**Electron density around NDP B 1201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

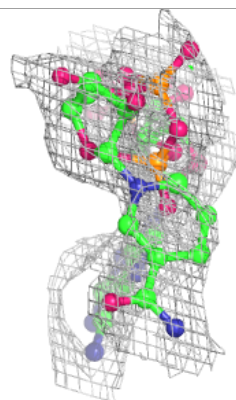
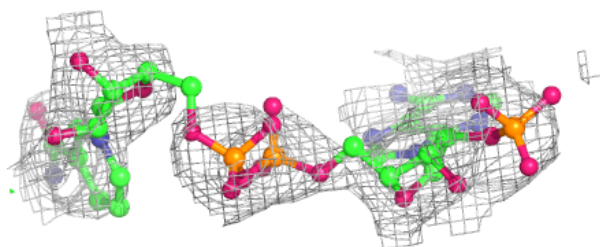
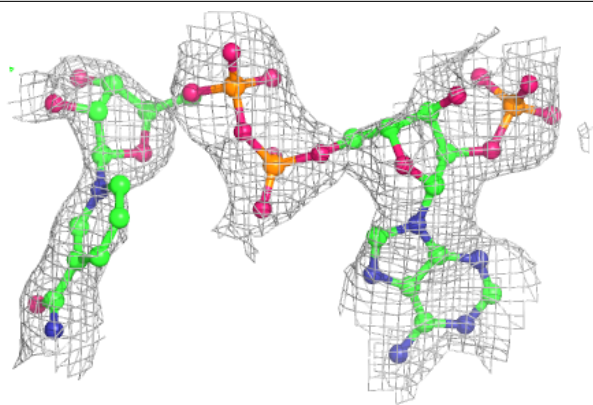
**Electron density around NDP C 1301:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

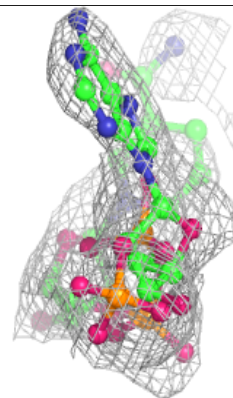
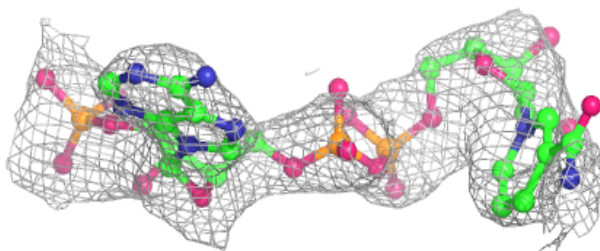
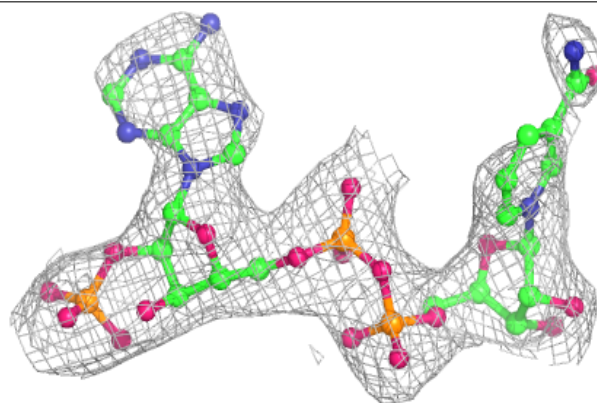


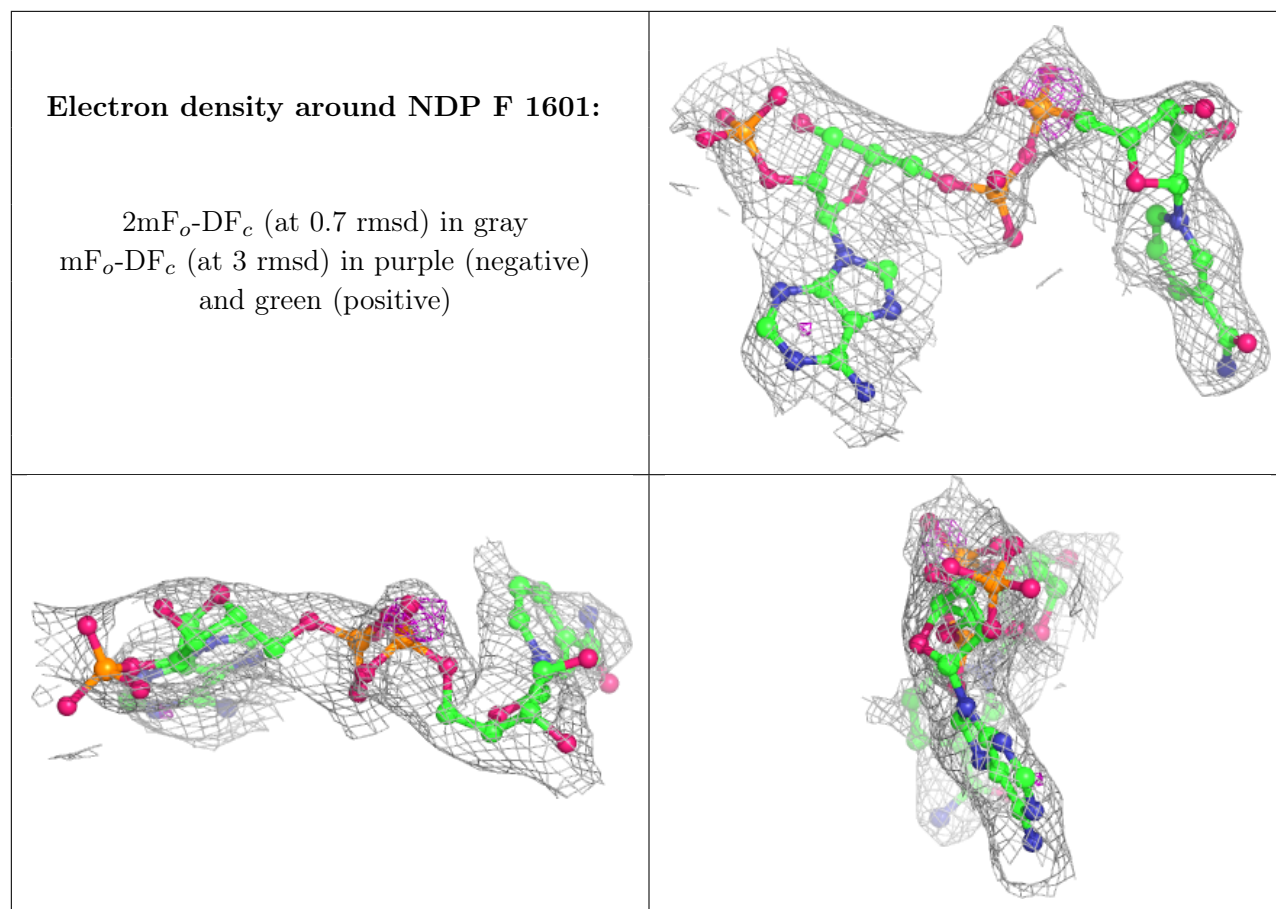
**Electron density around NDP D 1401:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around NDP E 1501:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





## 6.5 Other polymers [i](#)

Unable to reproduce the depositors R factor - this section is therefore empty.