Full wwPDB EM Validation Report ⓘ

Feb 22, 2024 – 07:54 PM EST

PDB ID	:	4V4L
EMDB ID	:	EMD-5235
Title	:	Structure of the Drosophila apoptosome
Authors	:	Yuan, S.; Topf, M.; Akey, C.W.; Ludtke, S.J.
Deposited on	:	2010-10-04
Resolution	:	6.90 Å(reported)

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

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

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

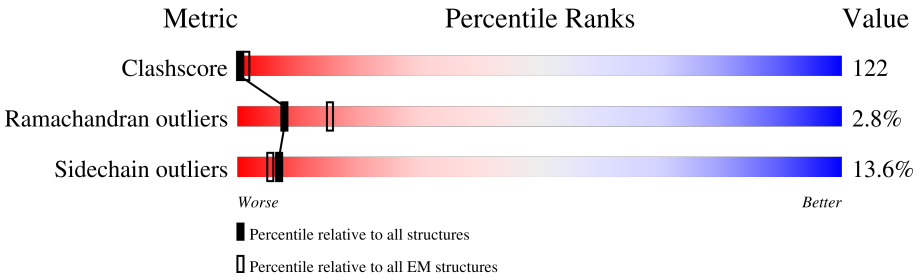
EMDB validation analysis	:	0.0.1.dev70
Mogul	:	1.8.5 (274361), CSD as541be (2020)
MolProbity	:	4.02b-467
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.36

1 Overall quality at a glance (i)

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

The reported resolution of this entry is 6.90 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)
Clashscore	158937	4297
Ramachandran outliers	154571	4023
Sidechain outliers	154315	3826

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

Mol	Chain	Length	Quality of chain
1	A	1221	16% 52% 38% 8% ·
1	B	1221	15% 52% 38% 8% ·
1	C	1221	16% 52% 38% 8% ·
1	D	1221	15% 52% 38% 8% ·
1	E	1221	16% 52% 38% 8% ·
1	F	1221	15% 53% 38% 8% ·
1	G	1221	16% 52% 38% 8% ·
1	H	1221	15% 52% 38% 8% ·

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
1	I	1221	16% 52% 38% 8%
1	J	1221	15% 52% 38% 8%
1	K	1221	16% 52% 38% 8%
1	L	1221	15% 52% 38% 8%
1	M	1221	16% 52% 38% 8%
1	N	1221	15% 52% 38% 8%
1	O	1221	16% 52% 38% 8%
1	P	1221	15% 53% 38% 8%

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	DTP	A	1402	-	-	X	-
3	DTP	B	1402	-	-	X	-
3	DTP	C	1402	-	-	X	-
3	DTP	D	1402	-	-	X	-
3	DTP	E	1402	-	-	X	-
3	DTP	F	1402	-	-	X	-
3	DTP	G	1402	-	-	X	-
3	DTP	H	1402	-	-	X	-
3	DTP	I	1402	-	-	X	-
3	DTP	J	1402	-	-	X	-
3	DTP	K	1402	-	-	X	-
3	DTP	L	1402	-	-	X	-
3	DTP	M	1402	-	-	X	-
3	DTP	N	1402	-	-	X	-
3	DTP	O	1402	-	-	X	-
3	DTP	P	1402	-	-	X	-

2 Entry composition (i)

There are 3 unique types of molecules in this entry. The entry contains 128176 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called Apaf-1 related killer DARK.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	B	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	C	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	D	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	E	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	F	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	G	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	H	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	I	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	J	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	K	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	L	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	M	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	N	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	O	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		
1	P	1215	Total	C	N	O	S	0	0
			7980	4994	1446	1514	26		

There are 96 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-5	HIS	-	expression tag	UNP Q7KLI1
A	-4	HIS	-	expression tag	UNP Q7KLI1
A	-3	HIS	-	expression tag	UNP Q7KLI1
A	-2	HIS	-	expression tag	UNP Q7KLI1
A	-1	HIS	-	expression tag	UNP Q7KLI1
A	0	HIS	-	expression tag	UNP Q7KLI1
B	-5	HIS	-	expression tag	UNP Q7KLI1
B	-4	HIS	-	expression tag	UNP Q7KLI1
B	-3	HIS	-	expression tag	UNP Q7KLI1
B	-2	HIS	-	expression tag	UNP Q7KLI1
B	-1	HIS	-	expression tag	UNP Q7KLI1
B	0	HIS	-	expression tag	UNP Q7KLI1
C	-5	HIS	-	expression tag	UNP Q7KLI1
C	-4	HIS	-	expression tag	UNP Q7KLI1
C	-3	HIS	-	expression tag	UNP Q7KLI1
C	-2	HIS	-	expression tag	UNP Q7KLI1
C	-1	HIS	-	expression tag	UNP Q7KLI1
C	0	HIS	-	expression tag	UNP Q7KLI1
D	-5	HIS	-	expression tag	UNP Q7KLI1
D	-4	HIS	-	expression tag	UNP Q7KLI1
D	-3	HIS	-	expression tag	UNP Q7KLI1
D	-2	HIS	-	expression tag	UNP Q7KLI1
D	-1	HIS	-	expression tag	UNP Q7KLI1
D	0	HIS	-	expression tag	UNP Q7KLI1
E	-5	HIS	-	expression tag	UNP Q7KLI1
E	-4	HIS	-	expression tag	UNP Q7KLI1
E	-3	HIS	-	expression tag	UNP Q7KLI1
E	-2	HIS	-	expression tag	UNP Q7KLI1
E	-1	HIS	-	expression tag	UNP Q7KLI1
E	0	HIS	-	expression tag	UNP Q7KLI1
F	-5	HIS	-	expression tag	UNP Q7KLI1
F	-4	HIS	-	expression tag	UNP Q7KLI1
F	-3	HIS	-	expression tag	UNP Q7KLI1
F	-2	HIS	-	expression tag	UNP Q7KLI1
F	-1	HIS	-	expression tag	UNP Q7KLI1
F	0	HIS	-	expression tag	UNP Q7KLI1
G	-5	HIS	-	expression tag	UNP Q7KLI1
G	-4	HIS	-	expression tag	UNP Q7KLI1
G	-3	HIS	-	expression tag	UNP Q7KLI1
G	-2	HIS	-	expression tag	UNP Q7KLI1
G	-1	HIS	-	expression tag	UNP Q7KLI1
G	0	HIS	-	expression tag	UNP Q7KLI1
H	-5	HIS	-	expression tag	UNP Q7KLI1

Continued on next page...

Continued from previous page...

Chain	Residue	Modelled	Actual	Comment	Reference
H	-4	HIS	-	expression tag	UNP Q7KLI1
H	-3	HIS	-	expression tag	UNP Q7KLI1
H	-2	HIS	-	expression tag	UNP Q7KLI1
H	-1	HIS	-	expression tag	UNP Q7KLI1
H	0	HIS	-	expression tag	UNP Q7KLI1
I	-5	HIS	-	expression tag	UNP Q7KLI1
I	-4	HIS	-	expression tag	UNP Q7KLI1
I	-3	HIS	-	expression tag	UNP Q7KLI1
I	-2	HIS	-	expression tag	UNP Q7KLI1
I	-1	HIS	-	expression tag	UNP Q7KLI1
I	0	HIS	-	expression tag	UNP Q7KLI1
J	-5	HIS	-	expression tag	UNP Q7KLI1
J	-4	HIS	-	expression tag	UNP Q7KLI1
J	-3	HIS	-	expression tag	UNP Q7KLI1
J	-2	HIS	-	expression tag	UNP Q7KLI1
J	-1	HIS	-	expression tag	UNP Q7KLI1
J	0	HIS	-	expression tag	UNP Q7KLI1
K	-5	HIS	-	expression tag	UNP Q7KLI1
K	-4	HIS	-	expression tag	UNP Q7KLI1
K	-3	HIS	-	expression tag	UNP Q7KLI1
K	-2	HIS	-	expression tag	UNP Q7KLI1
K	-1	HIS	-	expression tag	UNP Q7KLI1
K	0	HIS	-	expression tag	UNP Q7KLI1
L	-5	HIS	-	expression tag	UNP Q7KLI1
L	-4	HIS	-	expression tag	UNP Q7KLI1
L	-3	HIS	-	expression tag	UNP Q7KLI1
L	-2	HIS	-	expression tag	UNP Q7KLI1
L	-1	HIS	-	expression tag	UNP Q7KLI1
L	0	HIS	-	expression tag	UNP Q7KLI1
M	-5	HIS	-	expression tag	UNP Q7KLI1
M	-4	HIS	-	expression tag	UNP Q7KLI1
M	-3	HIS	-	expression tag	UNP Q7KLI1
M	-2	HIS	-	expression tag	UNP Q7KLI1
M	-1	HIS	-	expression tag	UNP Q7KLI1
M	0	HIS	-	expression tag	UNP Q7KLI1
N	-5	HIS	-	expression tag	UNP Q7KLI1
N	-4	HIS	-	expression tag	UNP Q7KLI1
N	-3	HIS	-	expression tag	UNP Q7KLI1
N	-2	HIS	-	expression tag	UNP Q7KLI1
N	-1	HIS	-	expression tag	UNP Q7KLI1
N	0	HIS	-	expression tag	UNP Q7KLI1
O	-5	HIS	-	expression tag	UNP Q7KLI1

Continued on next page...

Continued from previous page...

Chain	Residue	Modelled	Actual	Comment	Reference
O	-4	HIS	-	expression tag	UNP Q7KLI1
O	-3	HIS	-	expression tag	UNP Q7KLI1
O	-2	HIS	-	expression tag	UNP Q7KLI1
O	-1	HIS	-	expression tag	UNP Q7KLI1
O	0	HIS	-	expression tag	UNP Q7KLI1
P	-5	HIS	-	expression tag	UNP Q7KLI1
P	-4	HIS	-	expression tag	UNP Q7KLI1
P	-3	HIS	-	expression tag	UNP Q7KLI1
P	-2	HIS	-	expression tag	UNP Q7KLI1
P	-1	HIS	-	expression tag	UNP Q7KLI1
P	0	HIS	-	expression tag	UNP Q7KLI1

- Molecule 2 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

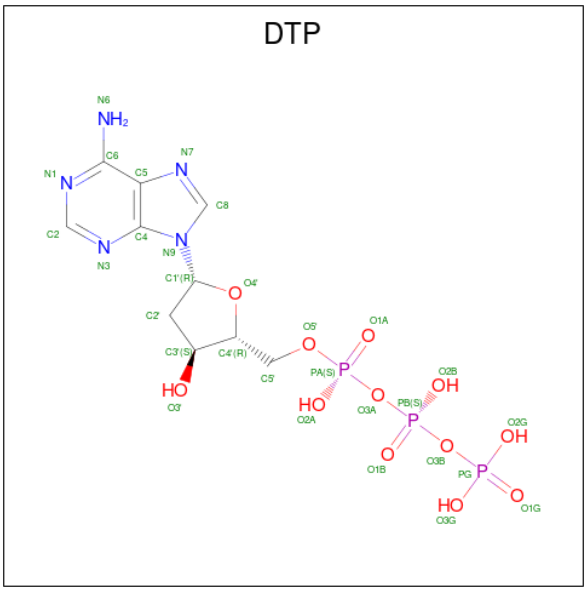
Mol	Chain	Residues	Atoms	AltConf
2	A	1	Total Mg 1 1	0
2	B	1	Total Mg 1 1	0
2	C	1	Total Mg 1 1	0
2	D	1	Total Mg 1 1	0
2	E	1	Total Mg 1 1	0
2	F	1	Total Mg 1 1	0
2	G	1	Total Mg 1 1	0
2	H	1	Total Mg 1 1	0
2	I	1	Total Mg 1 1	0
2	J	1	Total Mg 1 1	0
2	K	1	Total Mg 1 1	0
2	L	1	Total Mg 1 1	0
2	M	1	Total Mg 1 1	0
2	N	1	Total Mg 1 1	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms	AltConf
2	O	1	Total Mg 1 1	0
2	P	1	Total Mg 1 1	0

- Molecule 3 is 2'-DEOXYADENOSINE 5'-TRIPHOSPHATE (three-letter code: DTP) (formula: $C_{10}H_{16}N_5O_{12}P_3$).



Mol	Chain	Residues	Atoms	AltConf
3	A	1	Total C N O P 30 10 5 12 3	0
3	B	1	Total C N O P 30 10 5 12 3	0
3	C	1	Total C N O P 30 10 5 12 3	0
3	D	1	Total C N O P 30 10 5 12 3	0
3	E	1	Total C N O P 30 10 5 12 3	0
3	F	1	Total C N O P 30 10 5 12 3	0
3	G	1	Total C N O P 30 10 5 12 3	0
3	H	1	Total C N O P 30 10 5 12 3	0
3	I	1	Total C N O P 30 10 5 12 3	0

Continued on next page...

Continued from previous page...

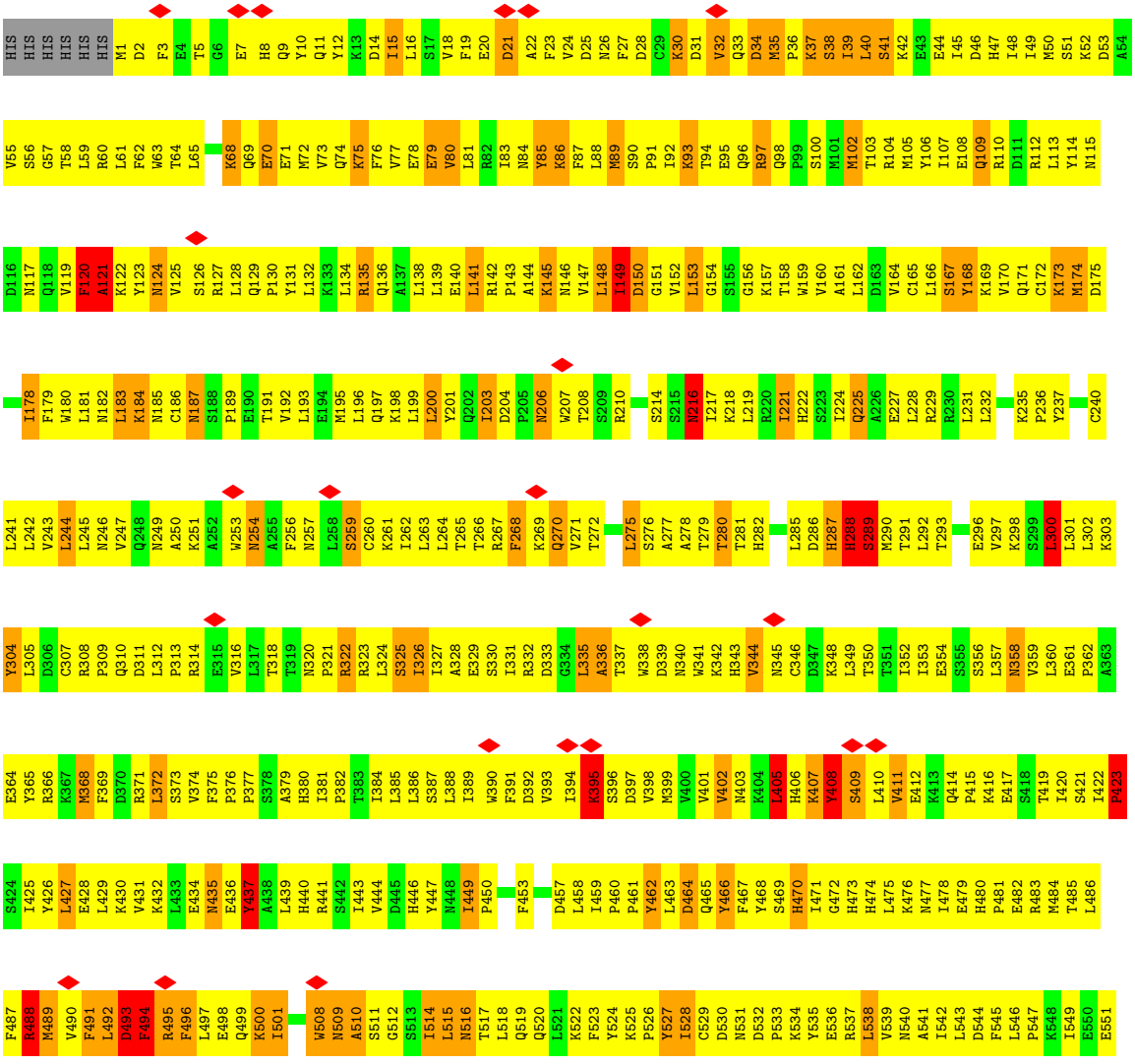
Mol	Chain	Residues	Atoms					AltConf
3	J	1	Total	C	N	O	P	0
			30	10	5	12	3	
3	K	1	Total	C	N	O	P	0
			30	10	5	12	3	
3	L	1	Total	C	N	O	P	0
			30	10	5	12	3	
3	M	1	Total	C	N	O	P	0
			30	10	5	12	3	
3	N	1	Total	C	N	O	P	0
			30	10	5	12	3	
3	O	1	Total	C	N	O	P	0
			30	10	5	12	3	
3	P	1	Total	C	N	O	P	0
			30	10	5	12	3	

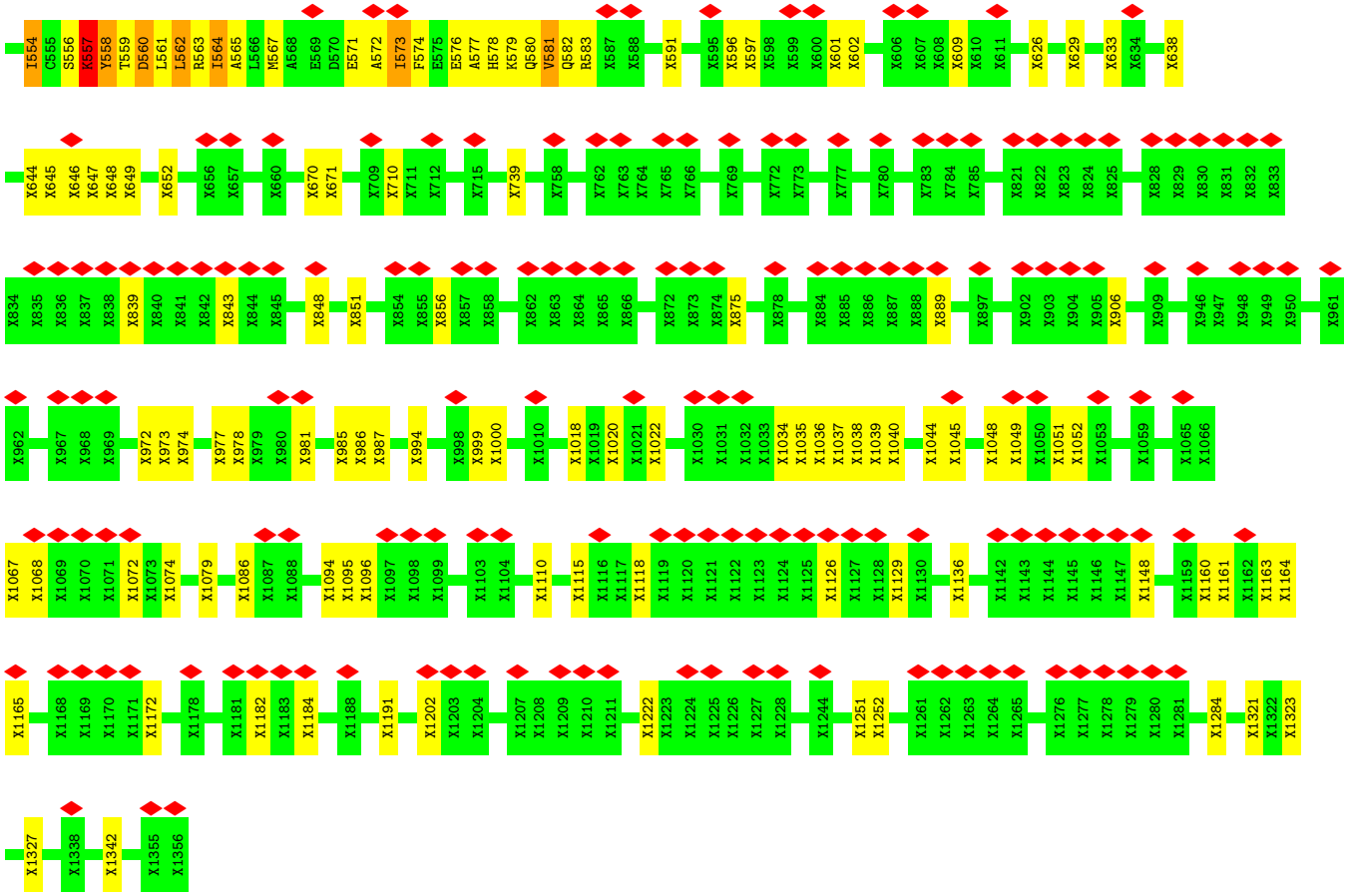
3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

- Molecule 1: Apaf-1 related killer DARK

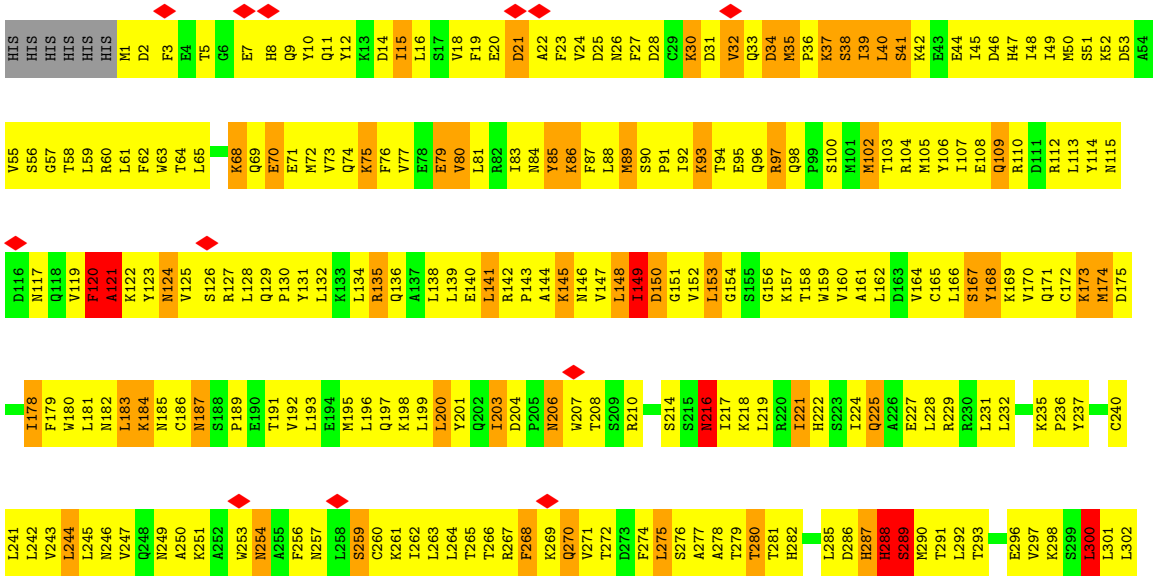
Chain A:

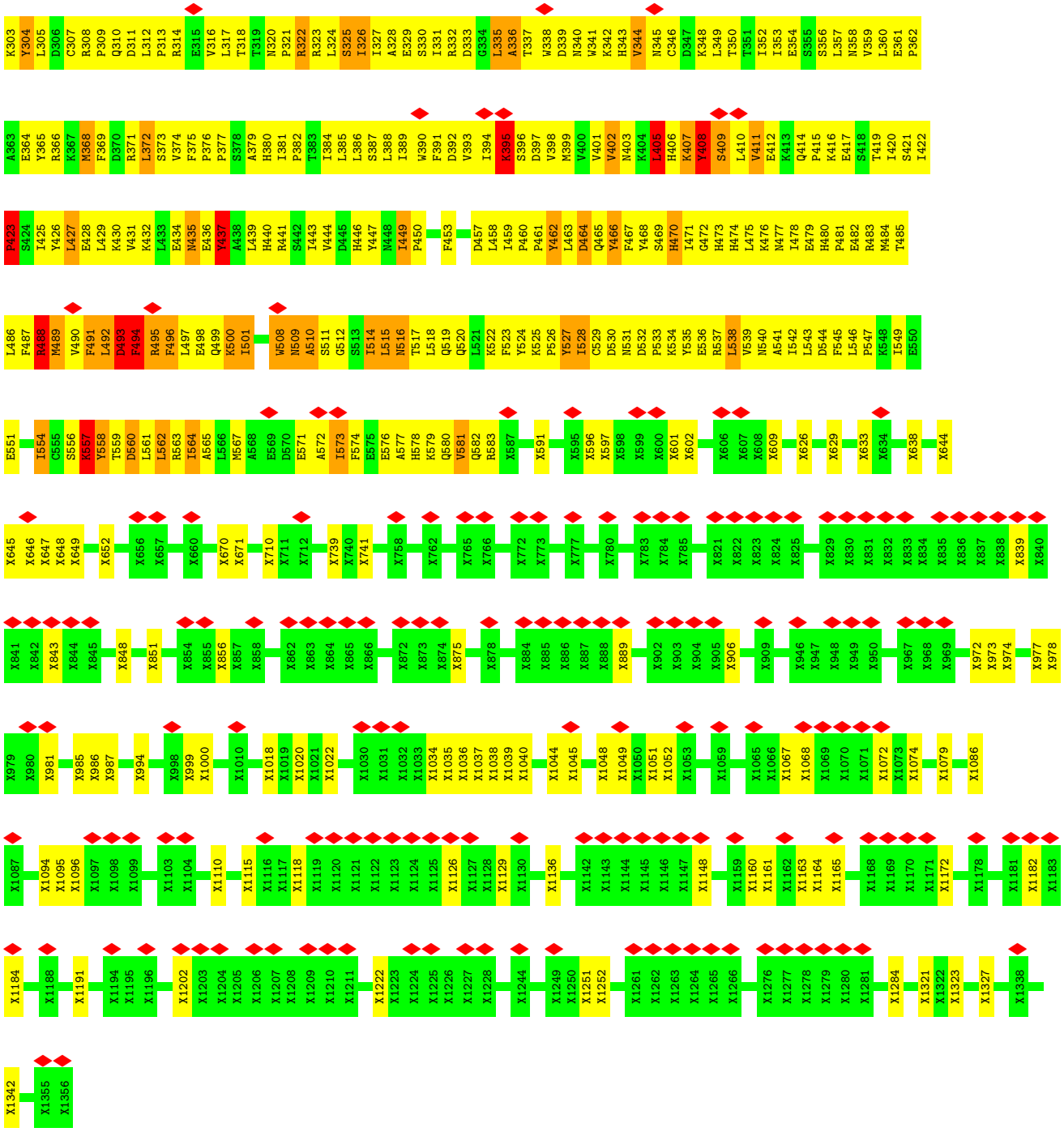




• Molecule 1: Apaf-1 related killer DARK

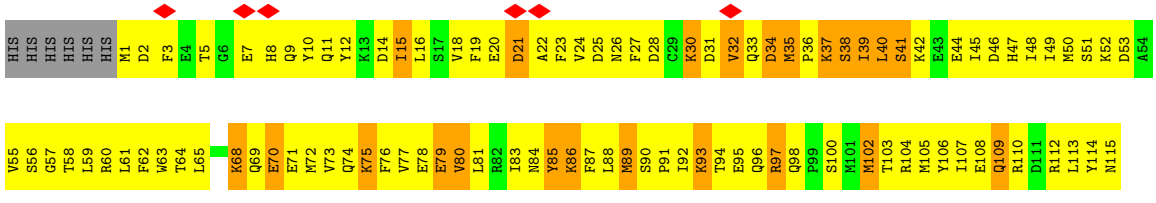
Chain B:

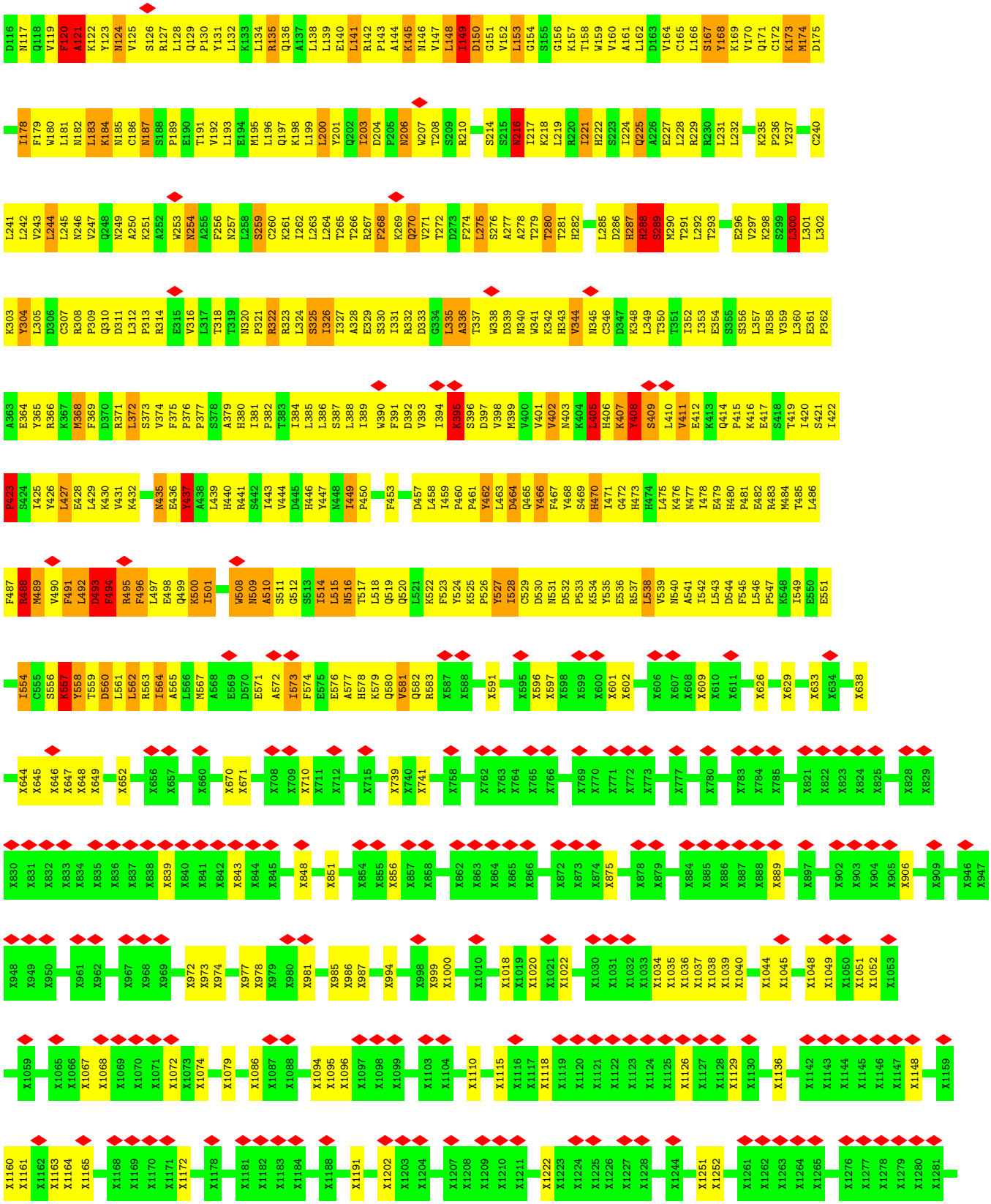


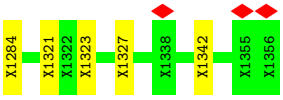


• Molecule 1: Apaf-1 related killer DARK

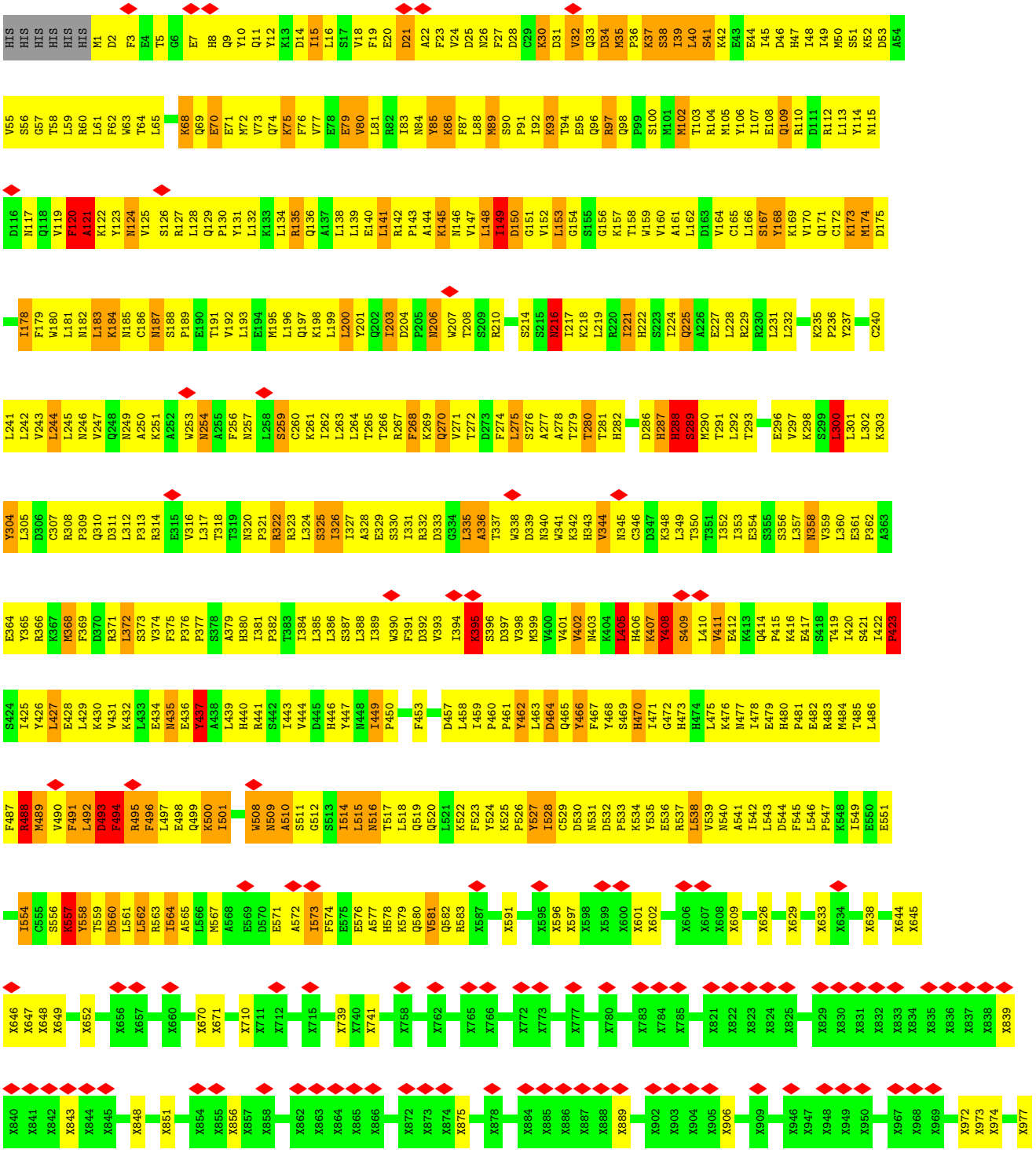
Chain C:

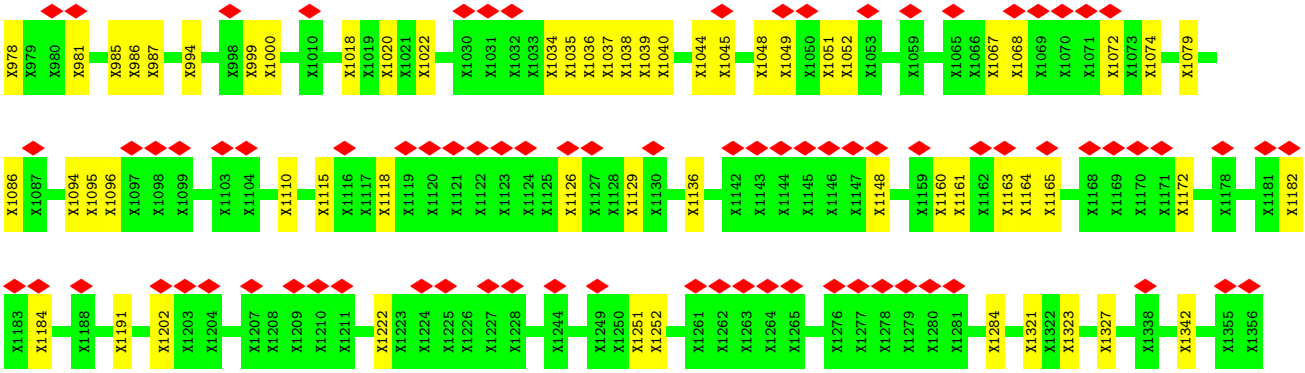



D116 N117 Q118 V119 F120 A121 K122 Y123 N124 V125 S126 R127 L128 Q129 P130 Y131 L132 K133 L134 R135 Q136 A137 L138 L139 E140 L141 R142 P143 A144 K145 N146 V147 L148 I149 D150 G151 V152 L153 G154 S155 G156 K157 T158 W159 V160 A161 L162 D163 V164 C165 L166 S167 Y168 K169 V170 Q171 C172 K173 M174 D175
I178 F179 W180 L181 N182 L183 K184 N185 C186 N187 S188 P189 E190 T191 V192 L193 E194 M195 L196 Q197 K198 L199 L200 Y201 Q202 I203 D204 P205 N206 W207 T208 S209 R210 S214 S215 N216 I217 K218 L219 R220 I221 H222 S223 I224 Q225 A226 E227 L228 R229 R230 L231 L232 K235 P236 Y237 C240
L241 L242 V243 L244 L245 N246 V247 Q248 N249 A250 K251 A252 W253 N254 A255 F256 N257 L258 S259 C260 K261 I262 L263 L264 T265 T266 R267 F268 K269 Q270 V271 T272 D273 F274 L275 S276 A277 A278 T279 T280 T281 H282 L285 D286 H287 H288 S289 M290 T291 L292 T293 E296 V297 K298 S299 L300 L301 L302
K303 Y304 L305 D306 C307 R308 P309 Q310 D311 L312 P313 R314 E315 V316 L317 T318 T319 N320 P321 R322 R323 L324 S325 I326 I327 A328 E329 S330 I331 R332 D333 G334 L335 A336 T337 W338 D339 N340 W341 K342 H343 V344 N345 C346 D347 K348 L349 T350 T351 I352 I353 E354 S355 S356 L357 N358 V359 L360 E361 P362
A363 E364 Y365 R366 K367 M368 F369 D370 R371 L372 S373 V374 F375 P376 P377 S378 A379 H380 I381 P382 T383 I384 L385 L386 S387 L388 I389 W390 F391 D392 V393 I394 K395 S396 D397 V398 M399 V400 V401 V402 N403 K404 L405 H406 K407 Y408 S409 L410 V411 E412 K413 Q414 P415 K416 E417 S418 T419 I420 S421 I422
P423 S424 I425 Y426 L427 E428 L429 K430 V431 K432 N435 E436 Y437 A438 L439 H440 R441 S442 I443 V444 D445 H446 Y447 N448 I449 P450 F453 D457 L458 I459 P460 P461 Y462 L463 D464 G465 Y466 F467 Y468 S469 H470 I471 G472 H473 H474 L475 K476 N477 I478 E479 H480 P481 E482 R483 M484 T485 L486
F487 R488 M489 V490 F491 L492 D493 F494 R495 F496 L497 E498 Q499 K500 I501 W508 N509 A510 S511 G512 S513 I514 L515 N516 T517 L518 Q519 Q520 L521 K522 F523 Y524 K525 P526 Y527 I528 C529 D530 N531 D532 P533 K534 Y535 E536 R537 L538 V539 N540 A541 I542 L543 D544 F545 L546 P547 K548 I549 E550 E551
I554 C555 S556 K557 Y558 T559 D560 L561 L562 R563 I564 A565 L566 W567 A568 E569 D570 E571 A572 I573 F574 E575 E576 A577 H578 K579 Q580 V581 Q582 R583 X587 X588 X591 X595 X596 X597 X598 X599 X600 X601 X602 X606 X607 X608 X609 X610 X611 X626 X629 X633 X634 X638
X644 X645 X646 X647 X648 X649 X652 X656 X657 X660 X670 X671 X708 X709 X710 X711 X712 X715 X739 X740 X741 X758 X762 X763 X764 X765 X766 X769 X770 X771 X772 X773 X777 X780 X783 X784 X785 X821 X822 X823 X824 X825 X828 X829
X830 X831 X832 X833 X834 X835 X836 X837 X838 X839 X840 X841 X842 X843 X844 X845 X848 X851 X854 X855 X856 X857 X858 X862 X863 X864 X865 X866 X872 X873 X874 X875 X878 X879 X884 X885 X886 X887 X888 X889 X897 X902 X903 X904 X905 X906 X909 X946 X947
X948 X949 X950 X961 X962 X967 X968 X969 X972 X973 X974 X977 X978 X979 X980 X981 X985 X986 X987 X994 X998 X999 X1000 X1010 X1018 X1019 X1020 X1021 X1022 X1030 X1031 X1032 X1033 X1034 X1035 X1036 X1037 X1038 X1039 X1040 X1044 X1045 X1048 X1049 X1050 X1051 X1052 X1053
X1059 X1065 X1066 X1067 X1068 X1069 X1070 X1071 X1072 X1073 X1074 X1079 X1086 X1087 X1088 X1094 X1095 X1096 X1097 X1098 X1099 X1103 X1104 X1110 X1115 X1116 X1117 X1118 X1119 X1120 X1121 X1122 X1123 X1124 X1125 X1126 X1127 X1128 X1129 X1130 X1136 X1142 X1143 X1144 X1145 X1146 X1147 X1148 X1159
X1160 X1161 X1162 X1163 X1164 X1165 X1168 X1169 X1170 X1171 X1172 X1178 X1181 X1182 X1183 X1184 X1188 X1191 X1202 X1203 X1204 X1207 X1208 X1209 X1210 X1211 X1222 X1223 X1224 X1225 X1226 X1227 X1228 X1244 X1251 X1252 X1261 X1262 X1263 X1264 X1265 X1276 X1277 X1278 X1279 X1280 X1281



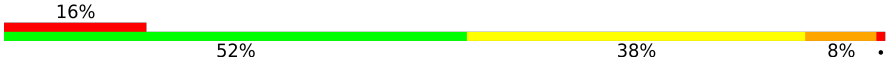
• Molecule 1: Apaf-1 related killer DARK

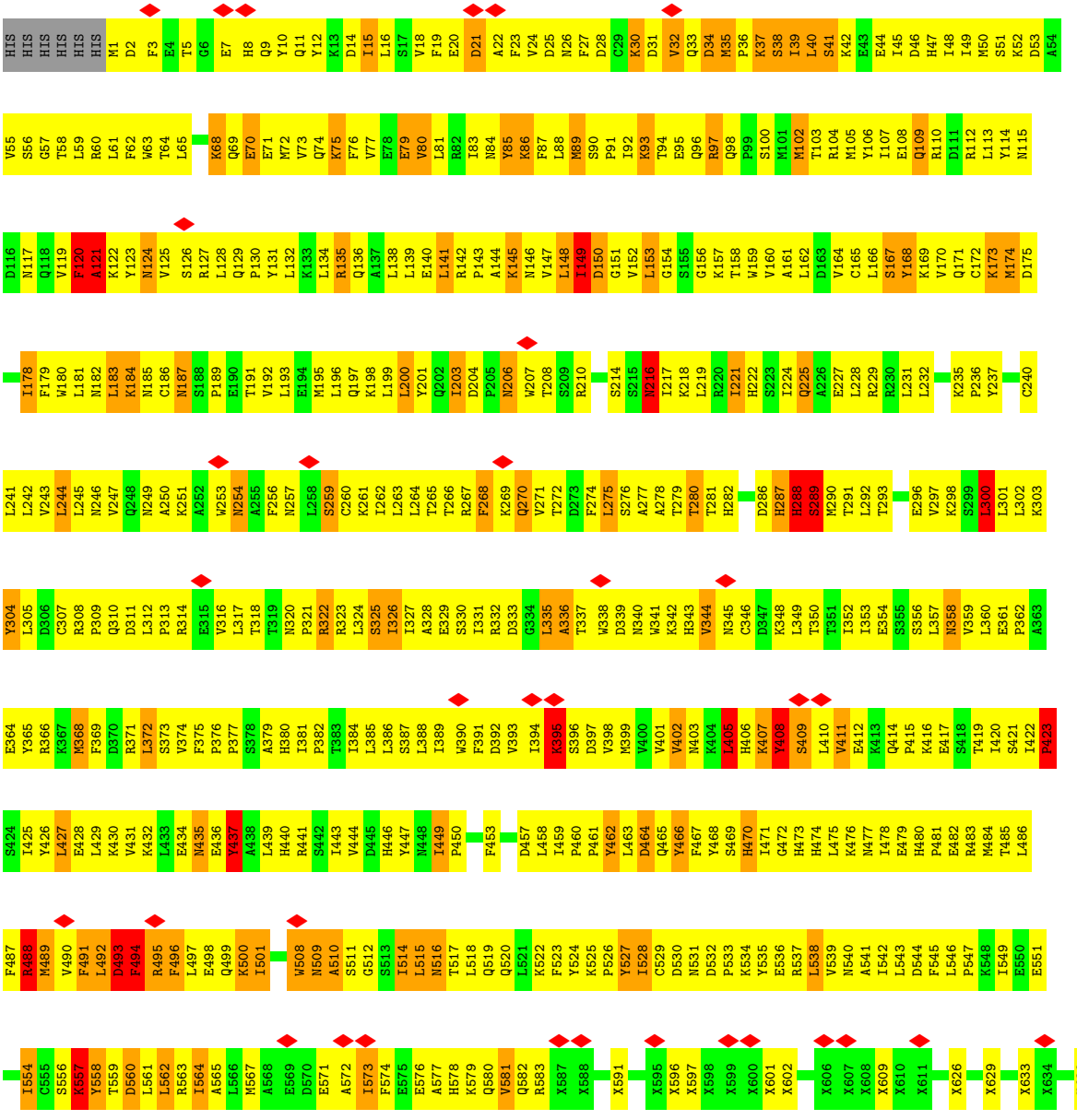


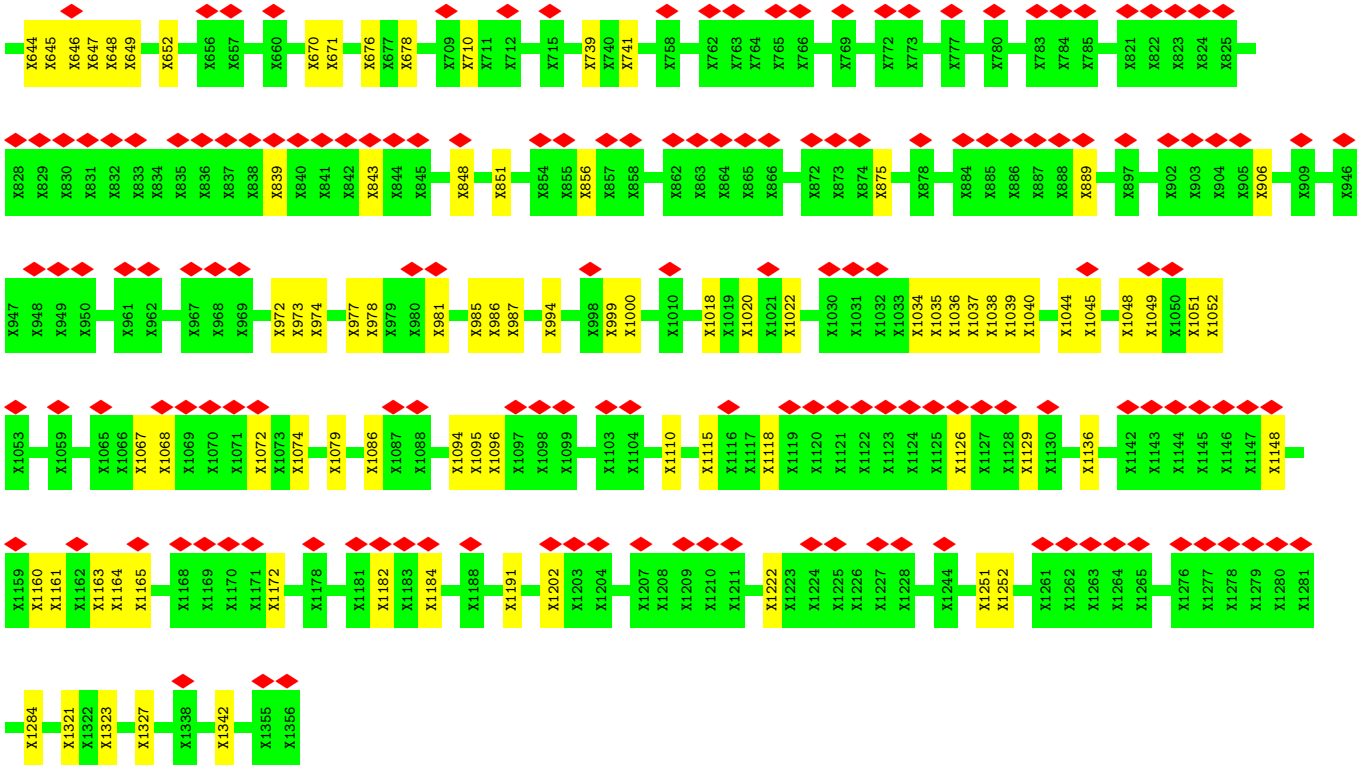


• Molecule 1: Apaf-1 related killer DARK

Chain E:

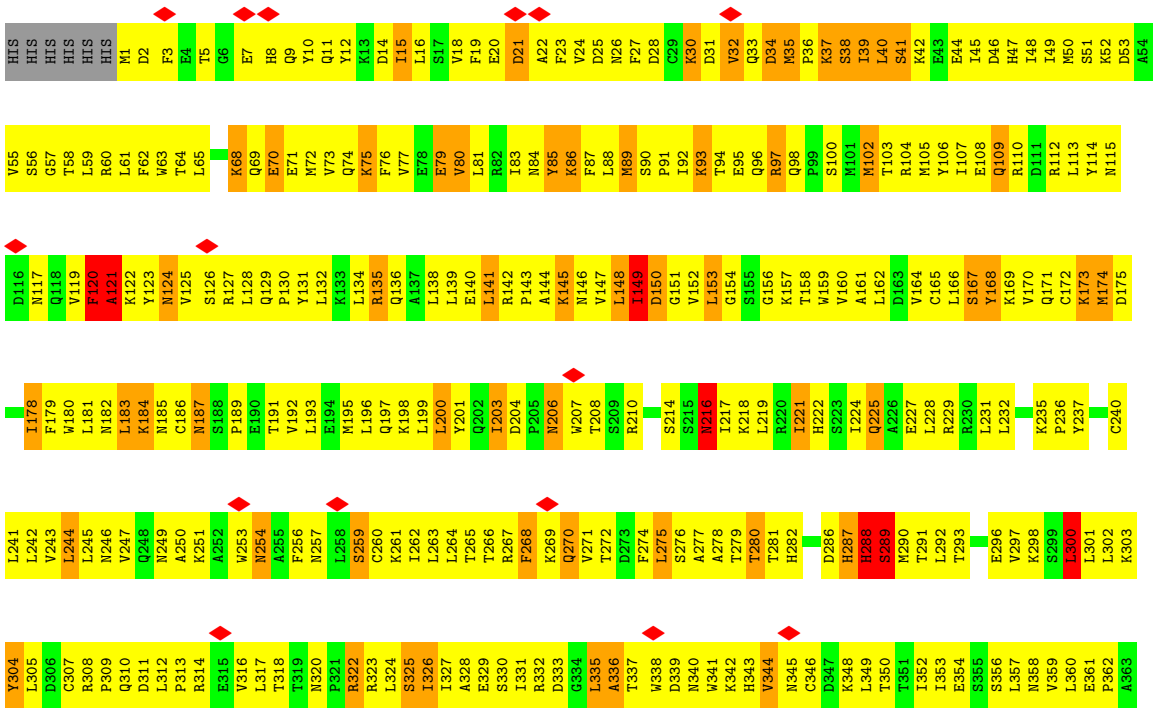


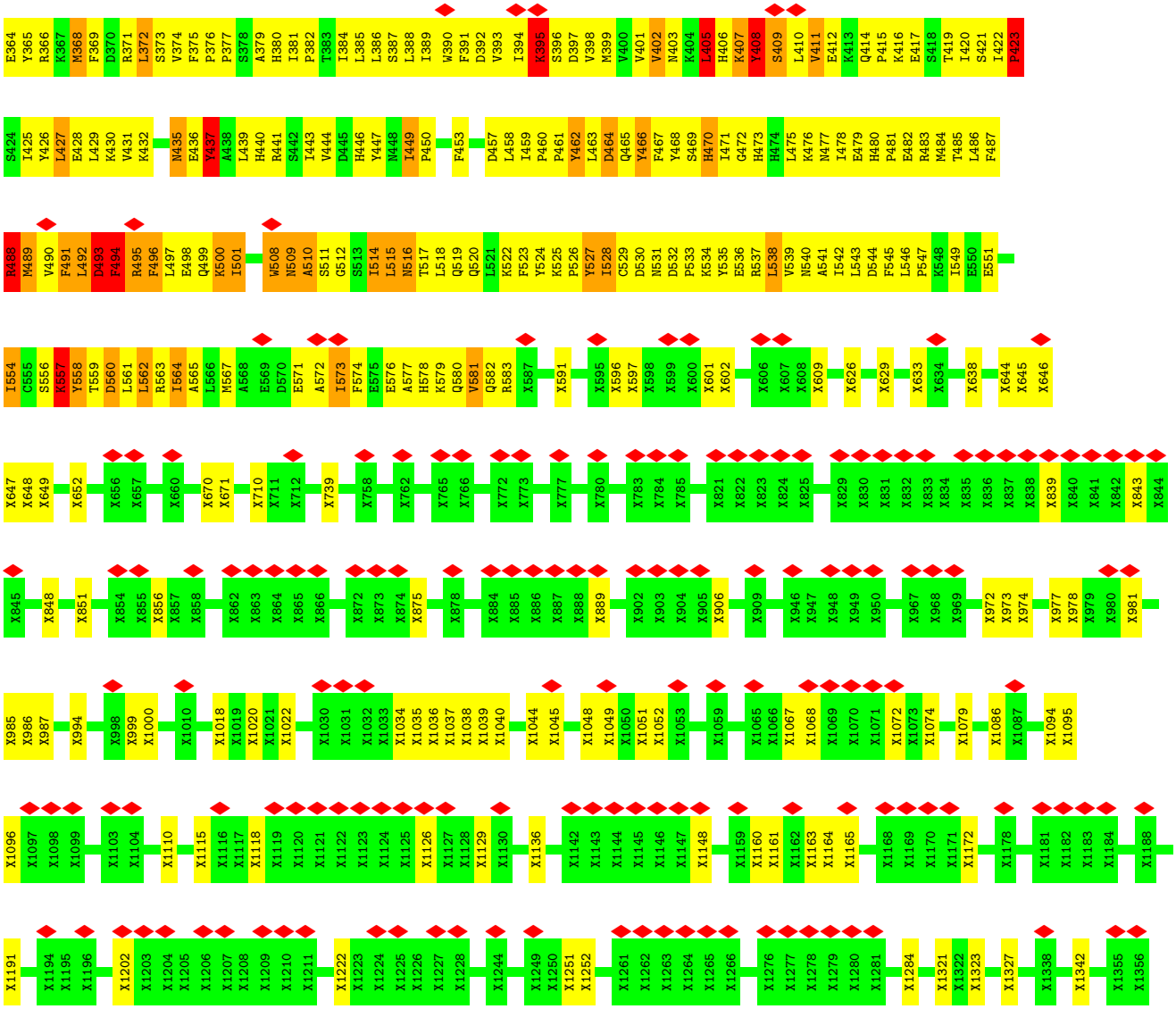




• Molecule 1: Apaf-1 related killer DARK

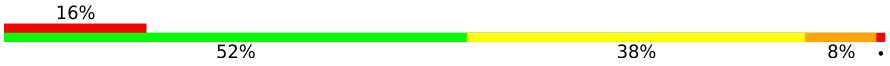
Chain F:

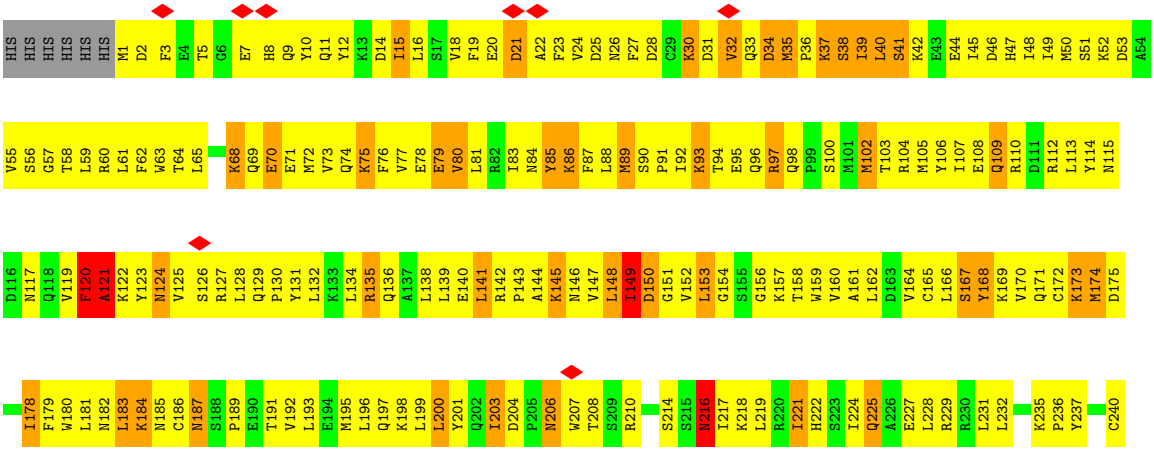


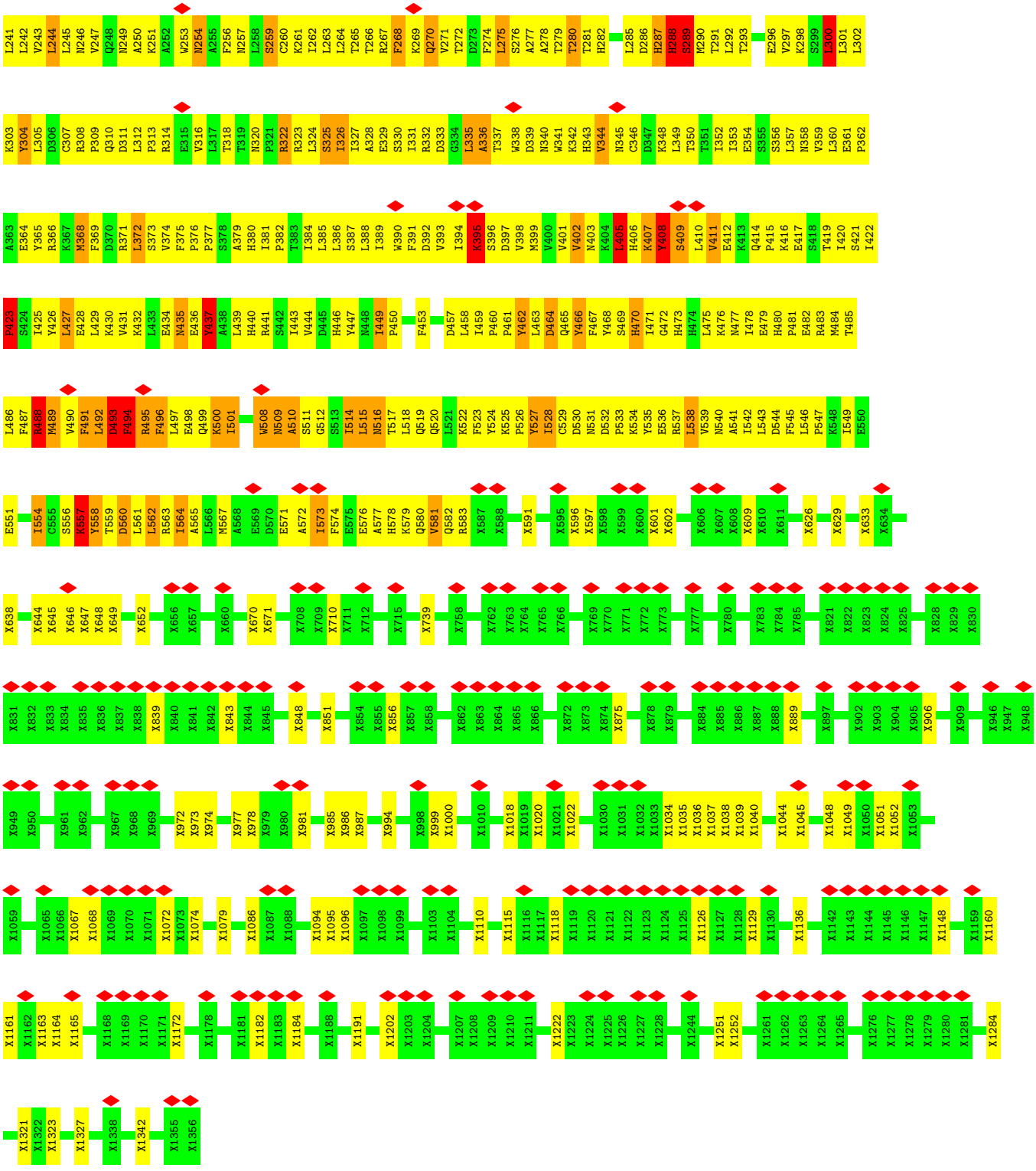


• Molecule 1: Apaf-1 related killer DARK

Chain G:

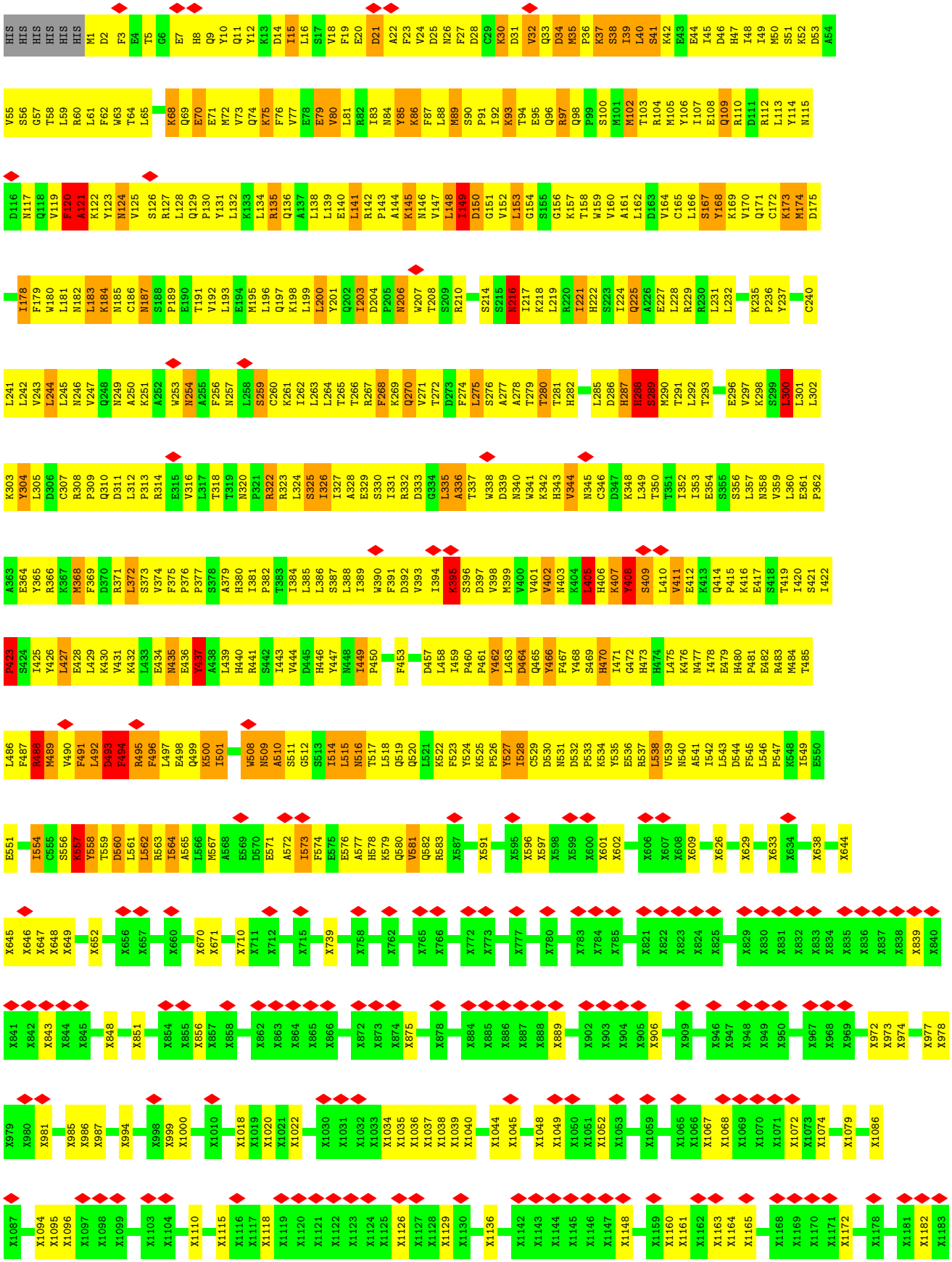


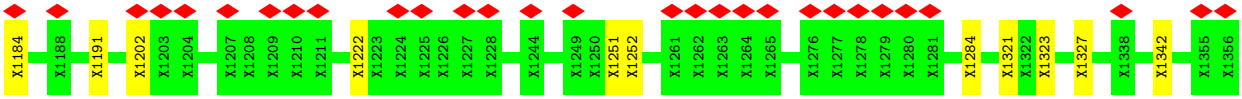




• Molecule 1: Apaf-1 related killer DARK

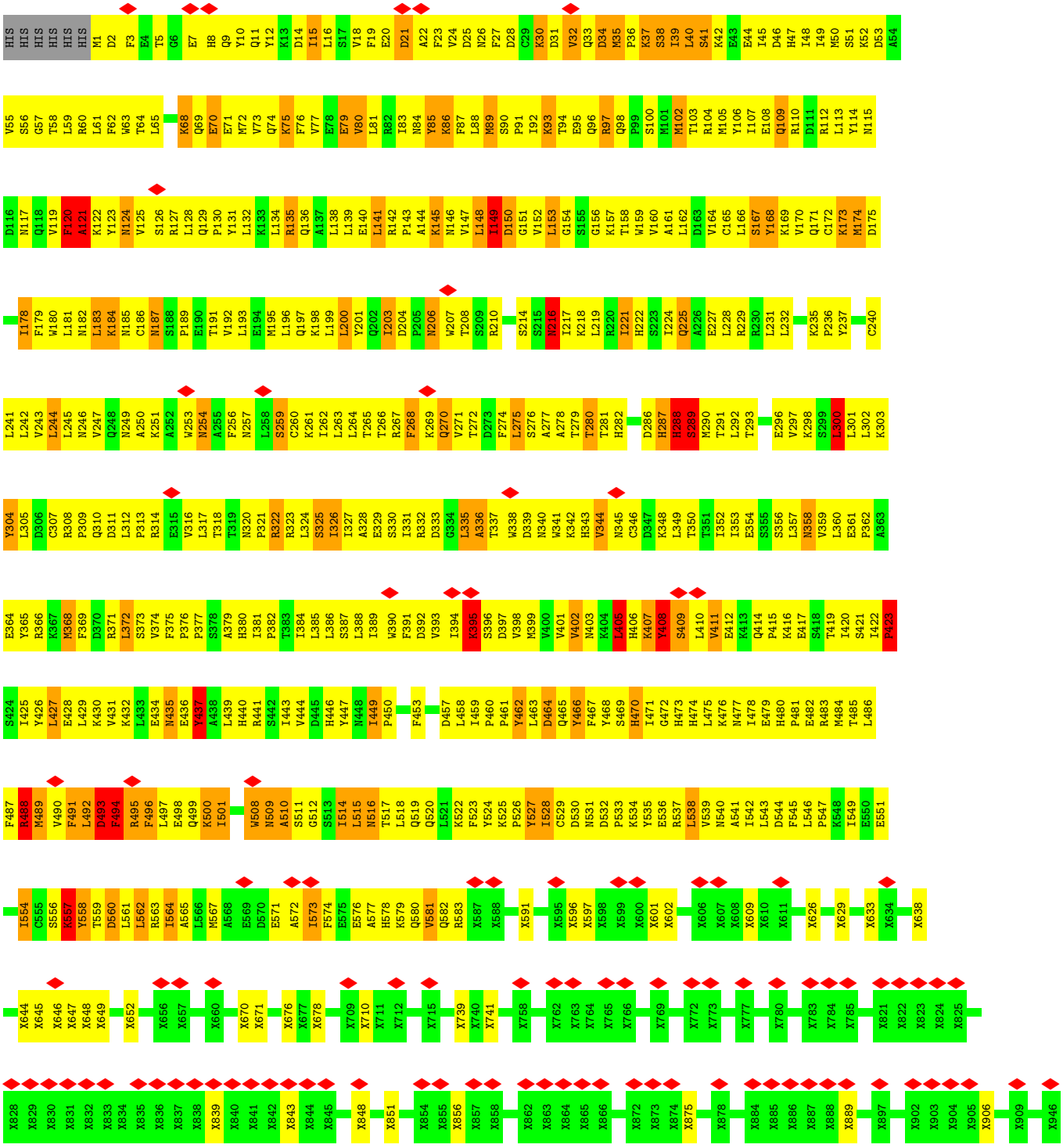
Chain H:

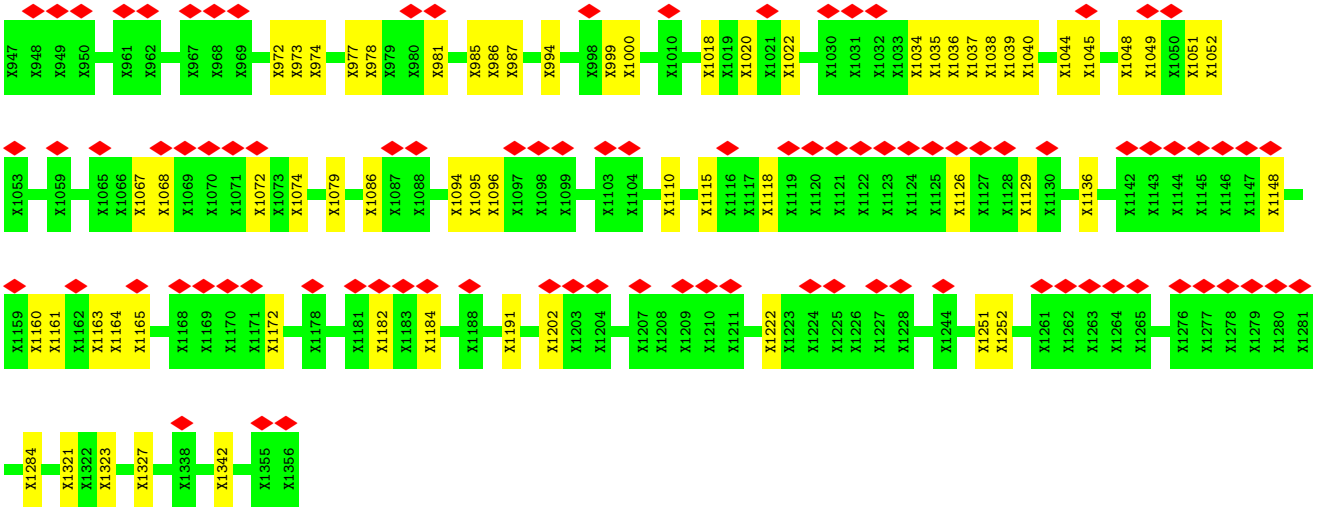




• Molecule 1: Apaf-1 related killer DARK

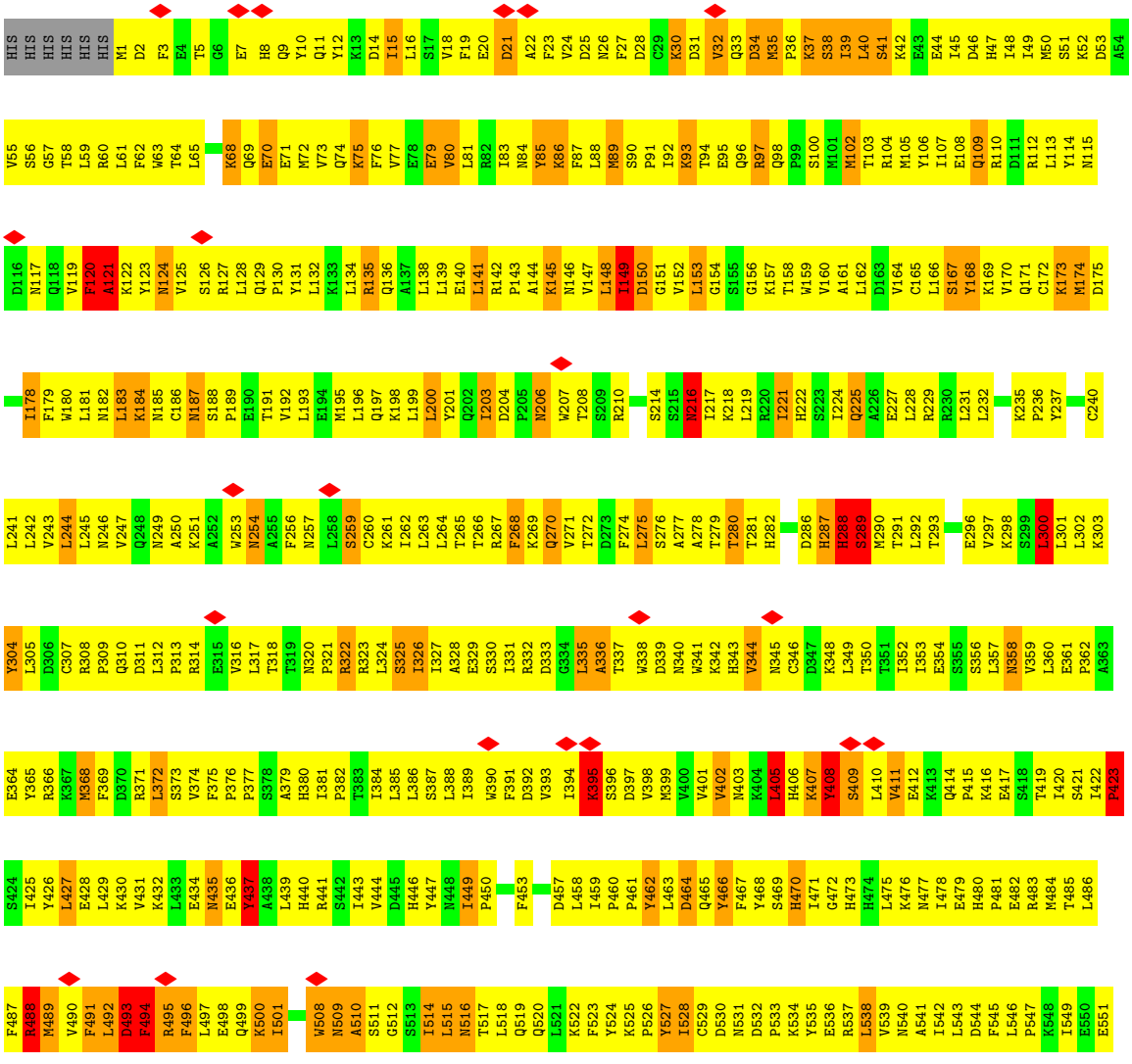
Chain I:

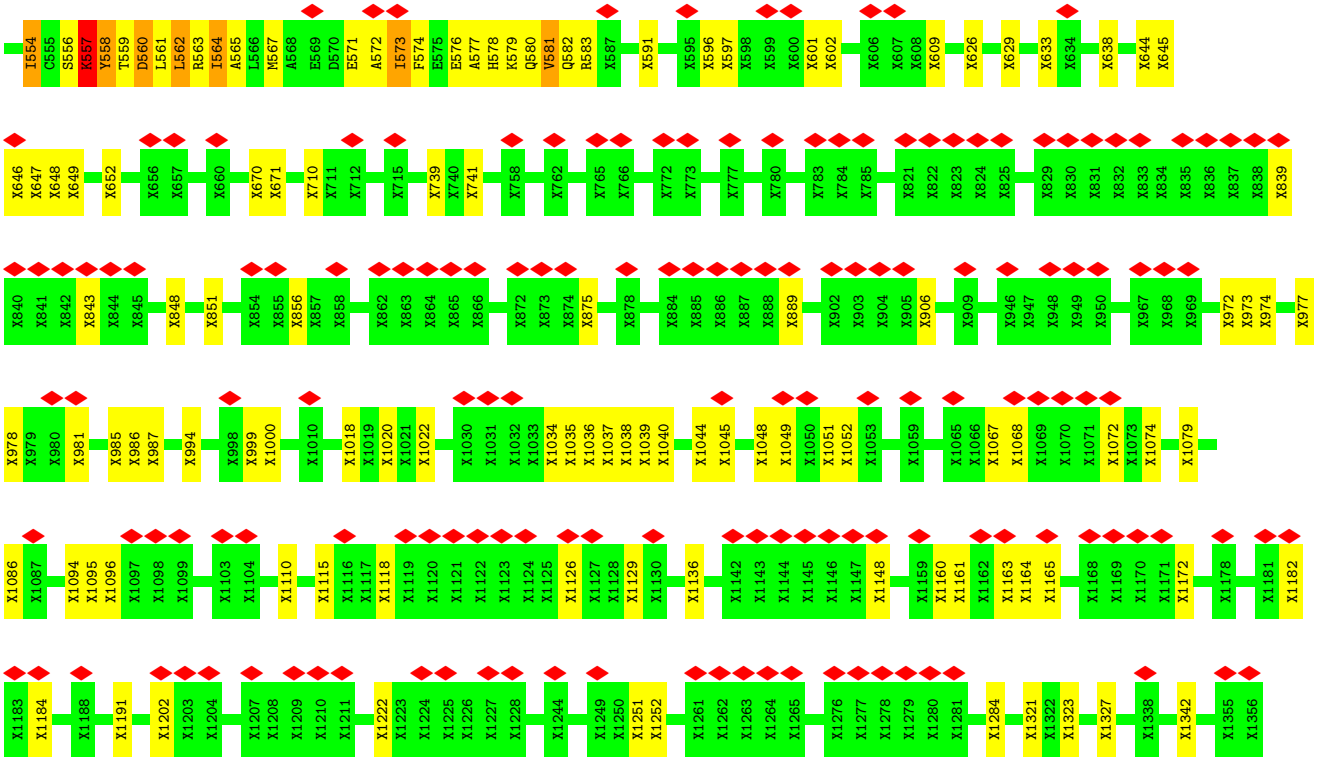




• Molecule 1: Apaf-1 related killer DARK

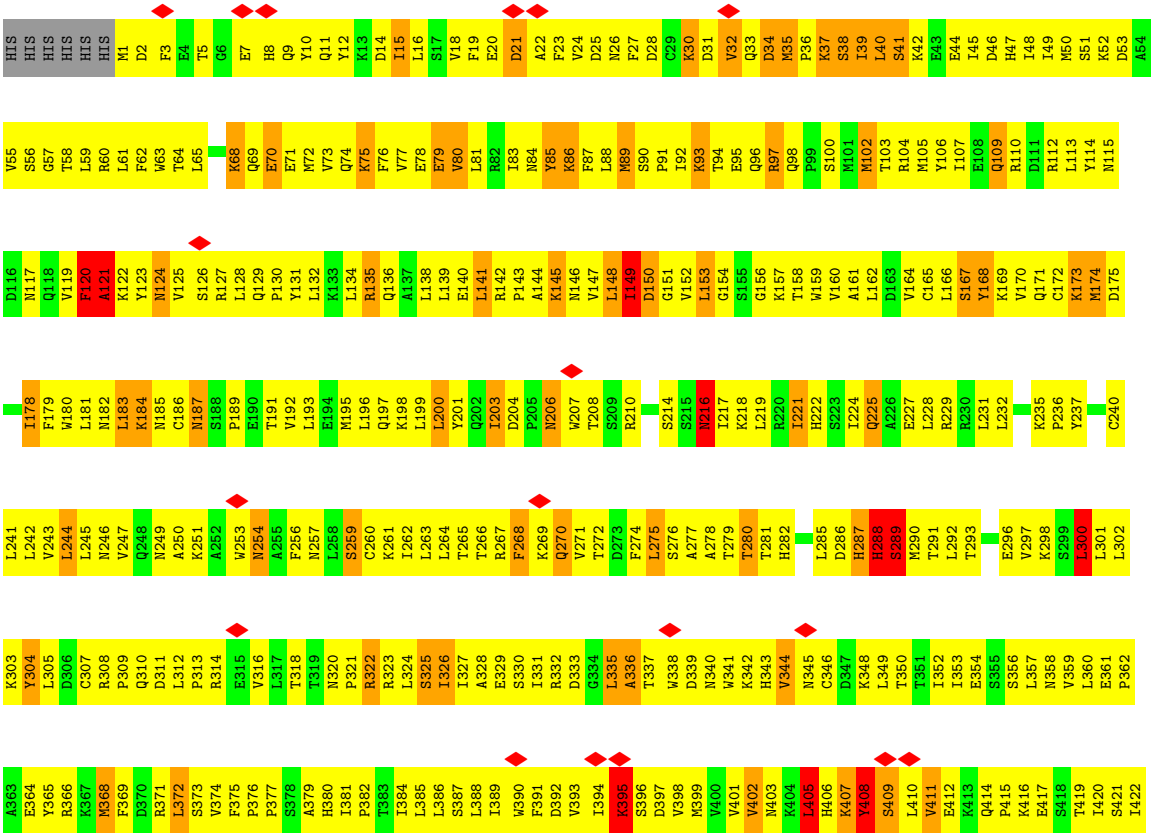
Chain J:

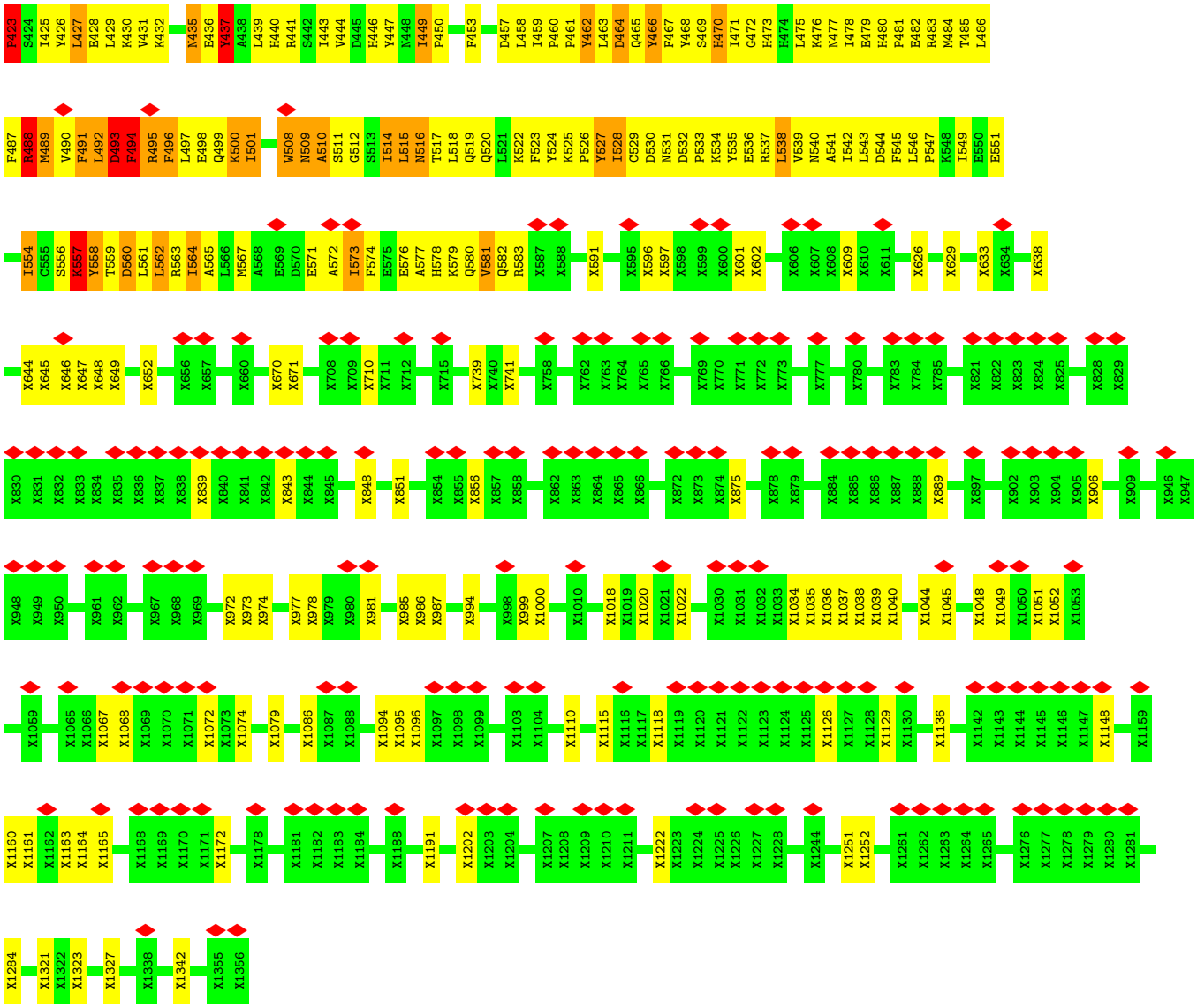




• Molecule 1: Apaf-1 related killer DARK

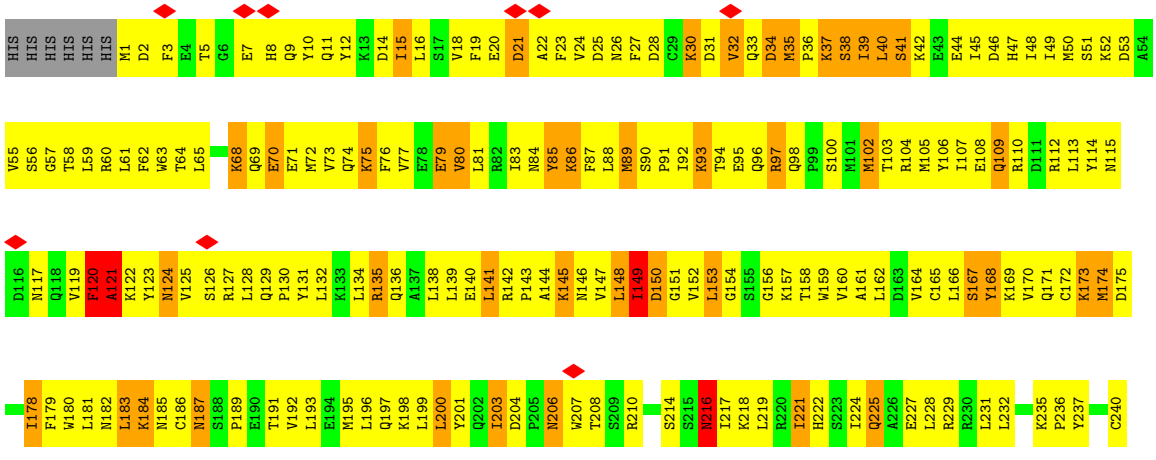
Chain K:

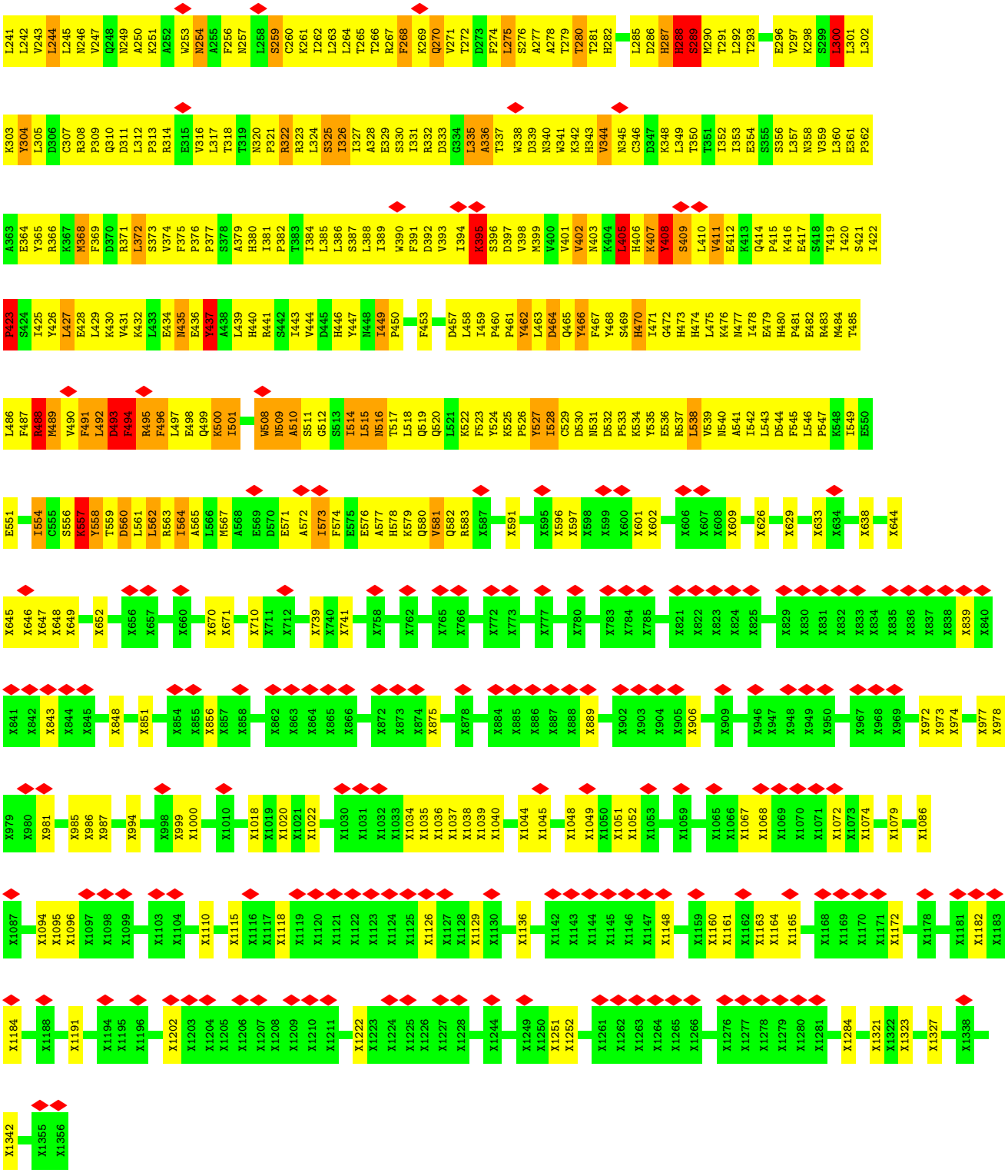




• Molecule 1: Apaf-1 related killer DARK

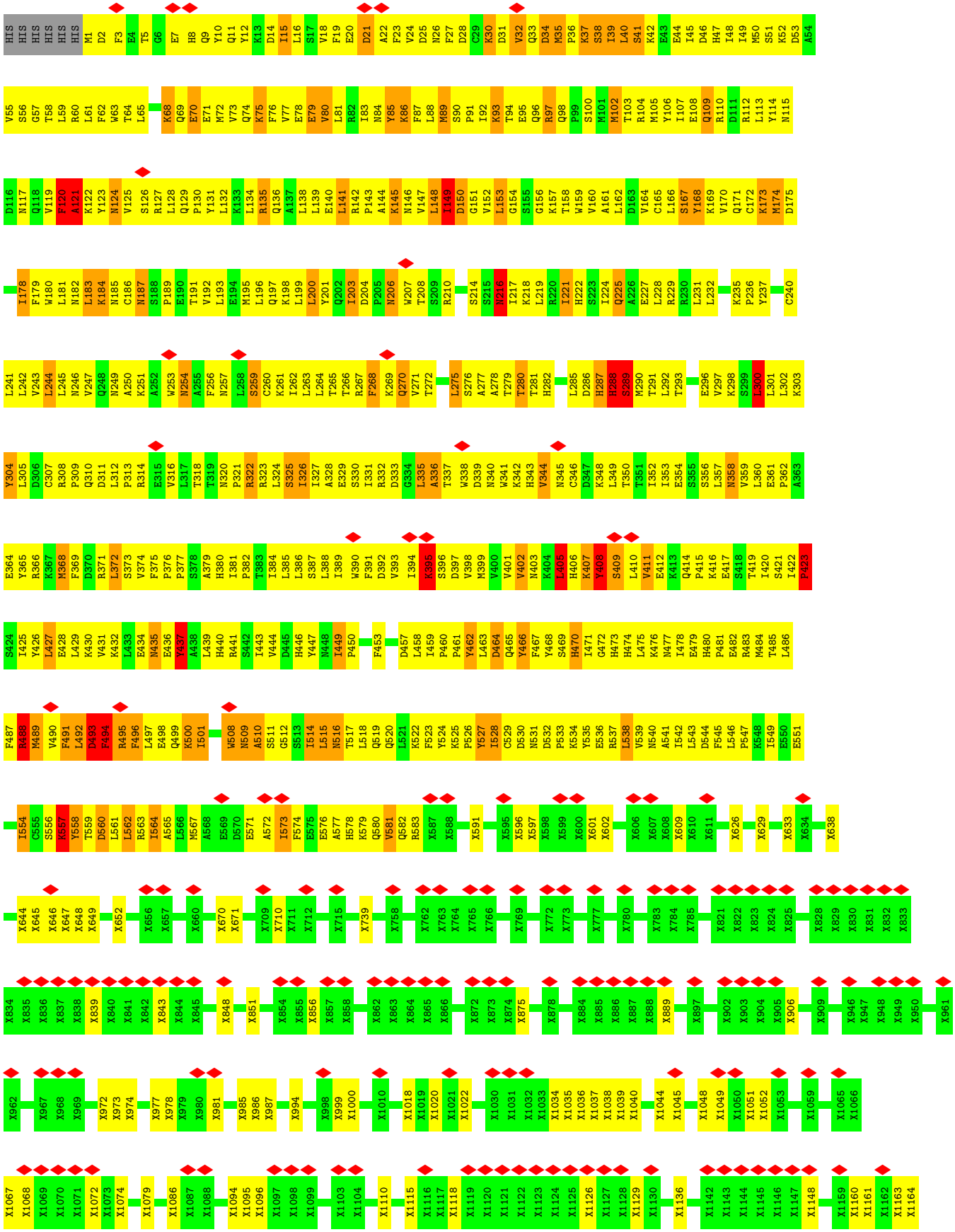
Chain L:

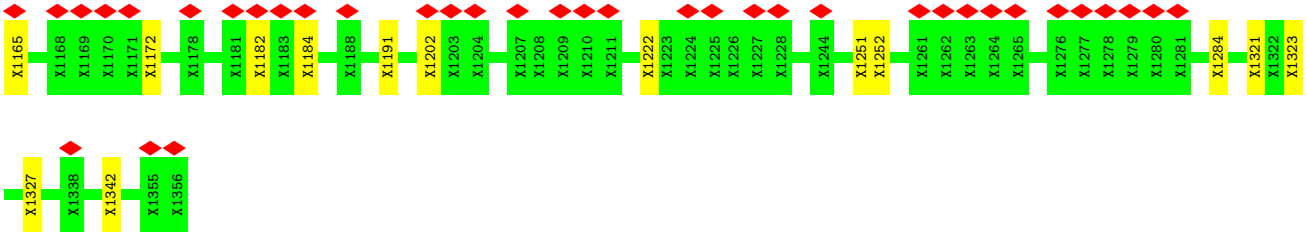




• Molecule 1: Apaf-1 related killer DARK

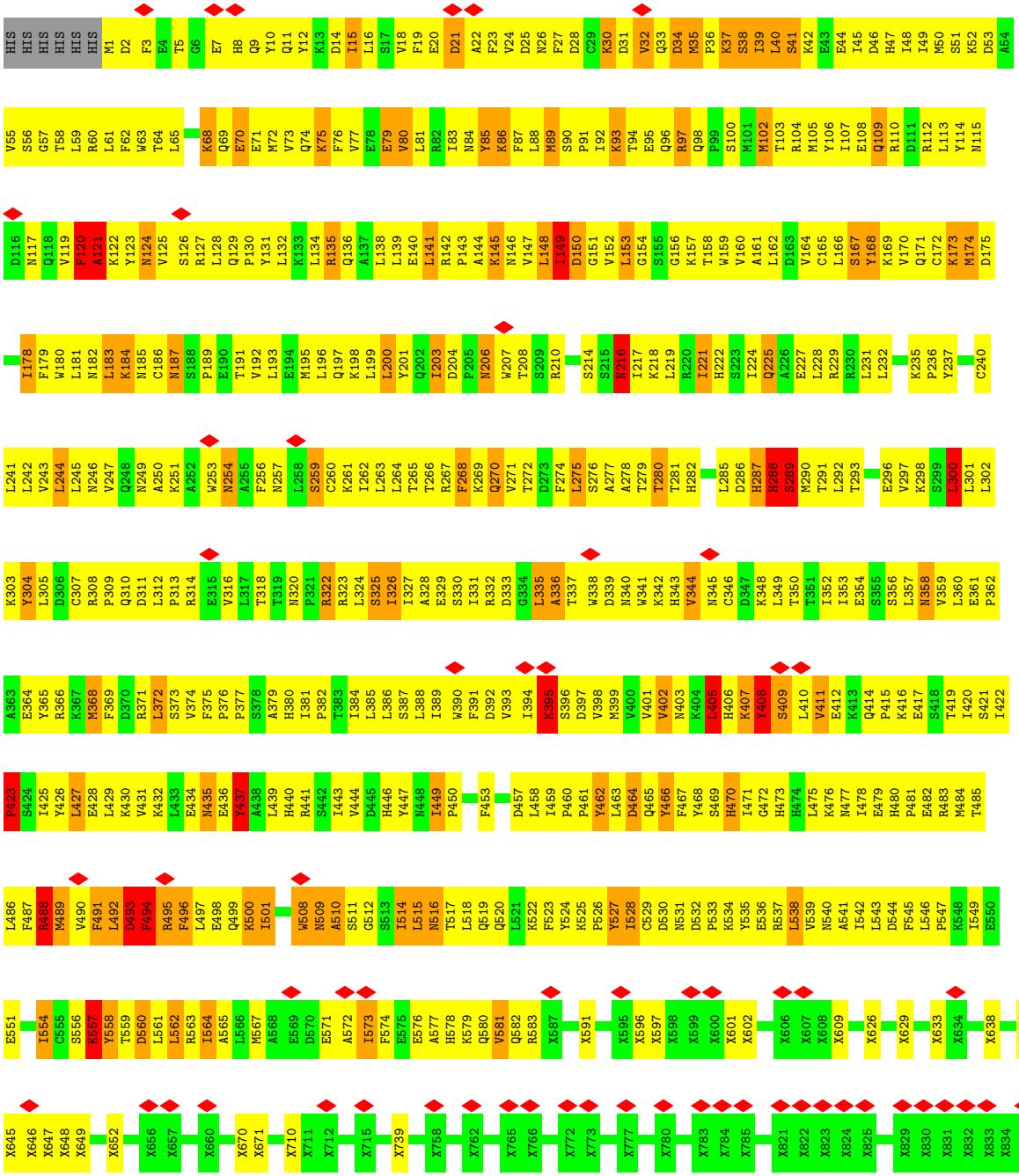
Chain M:

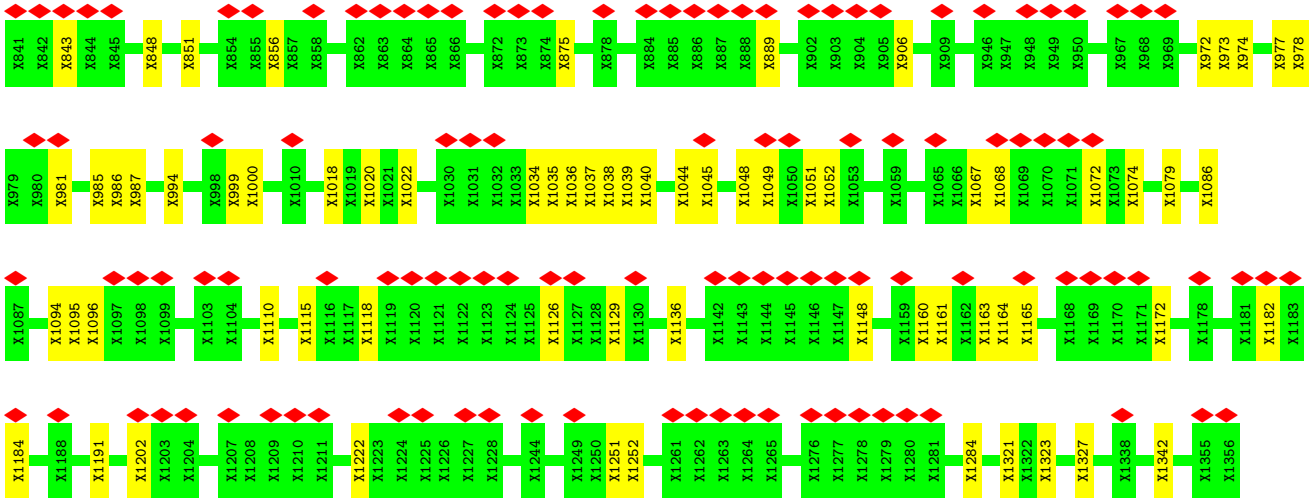




• Molecule 1: Apaf-1 related killer DARK

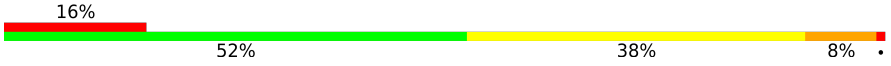
Chain N:

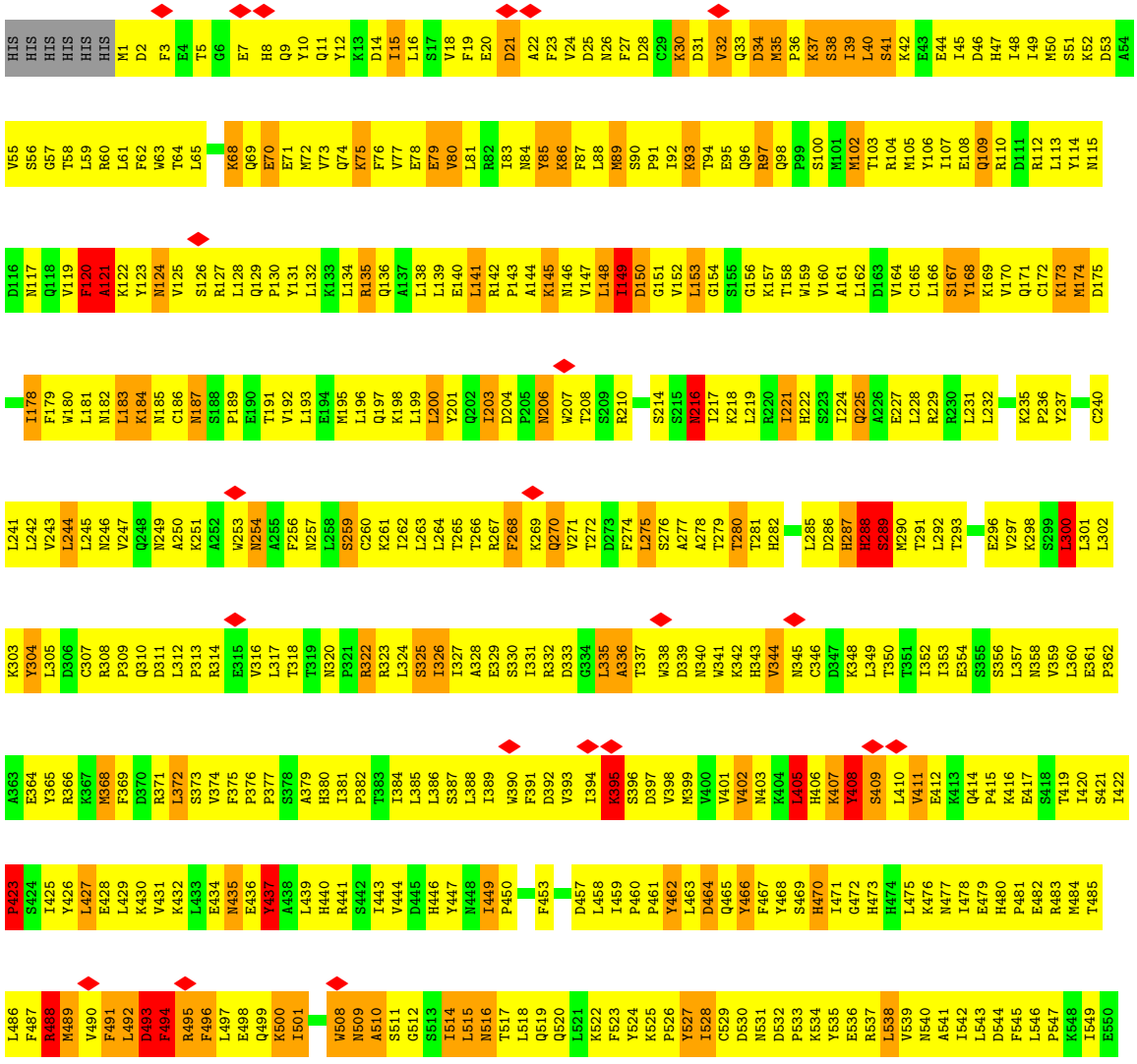


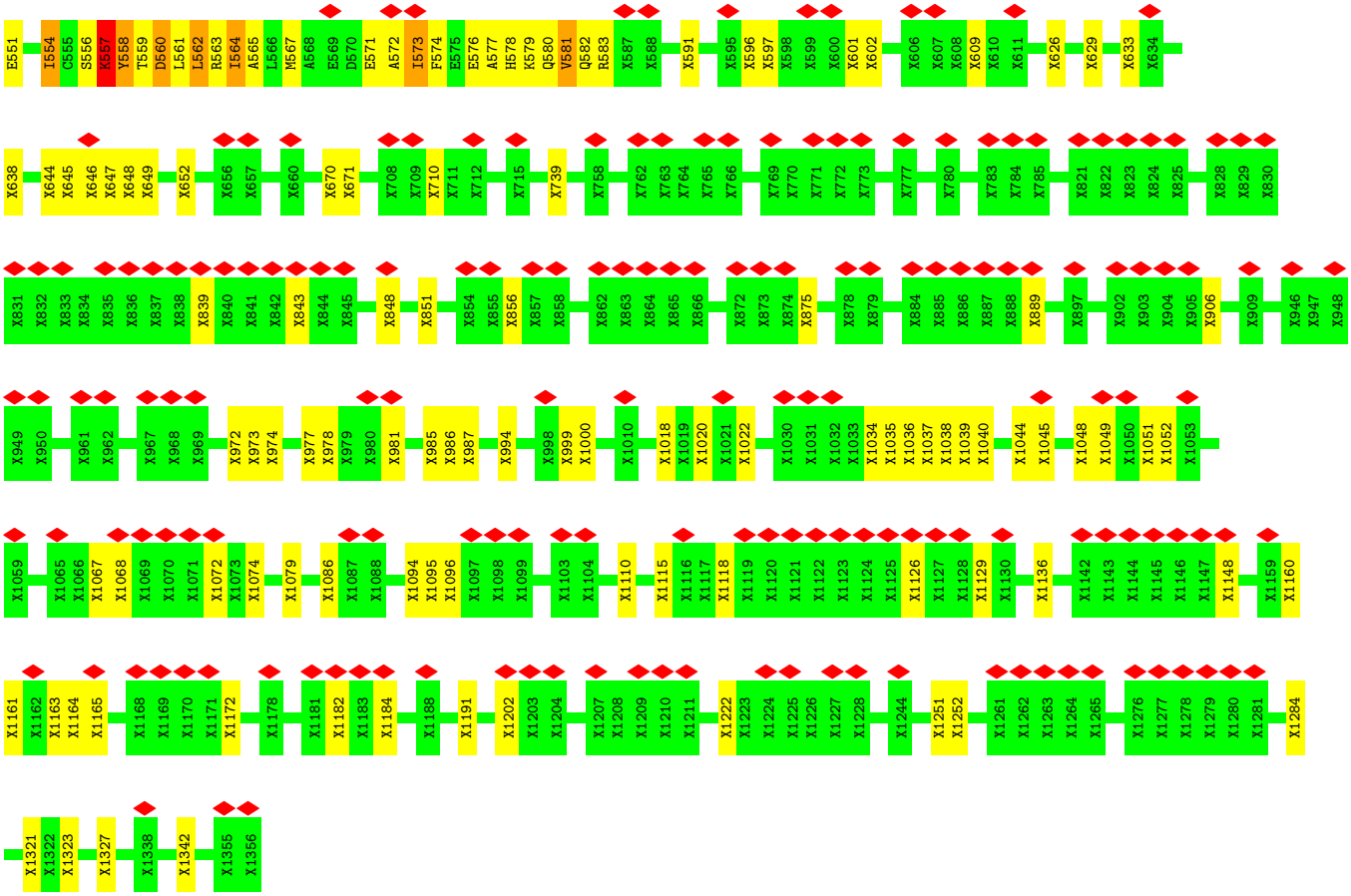


• Molecule 1: Apaf-1 related killer DARK

Chain O:

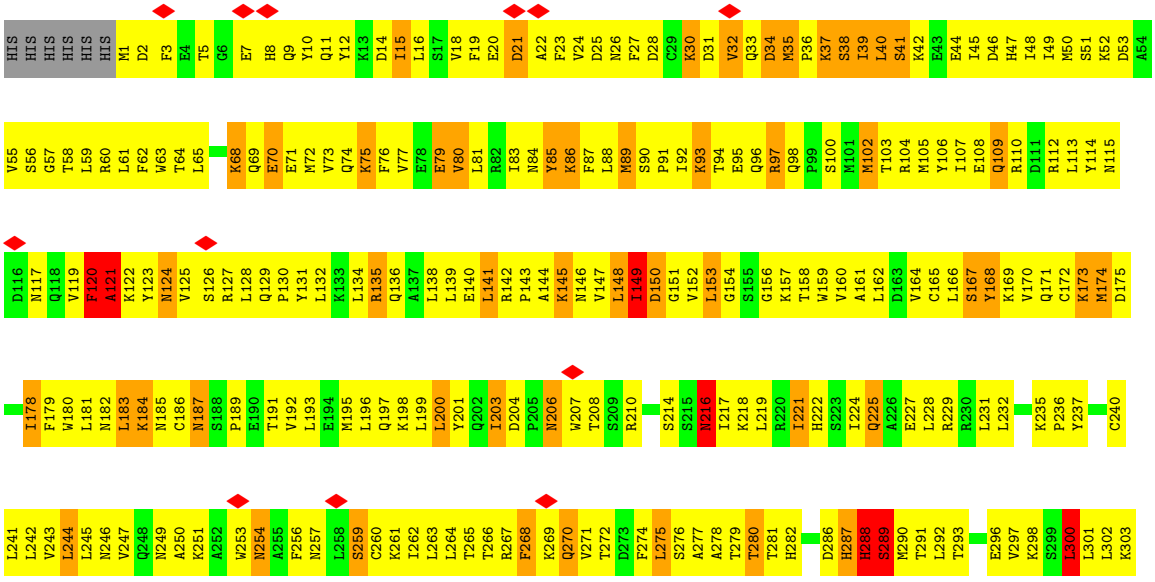


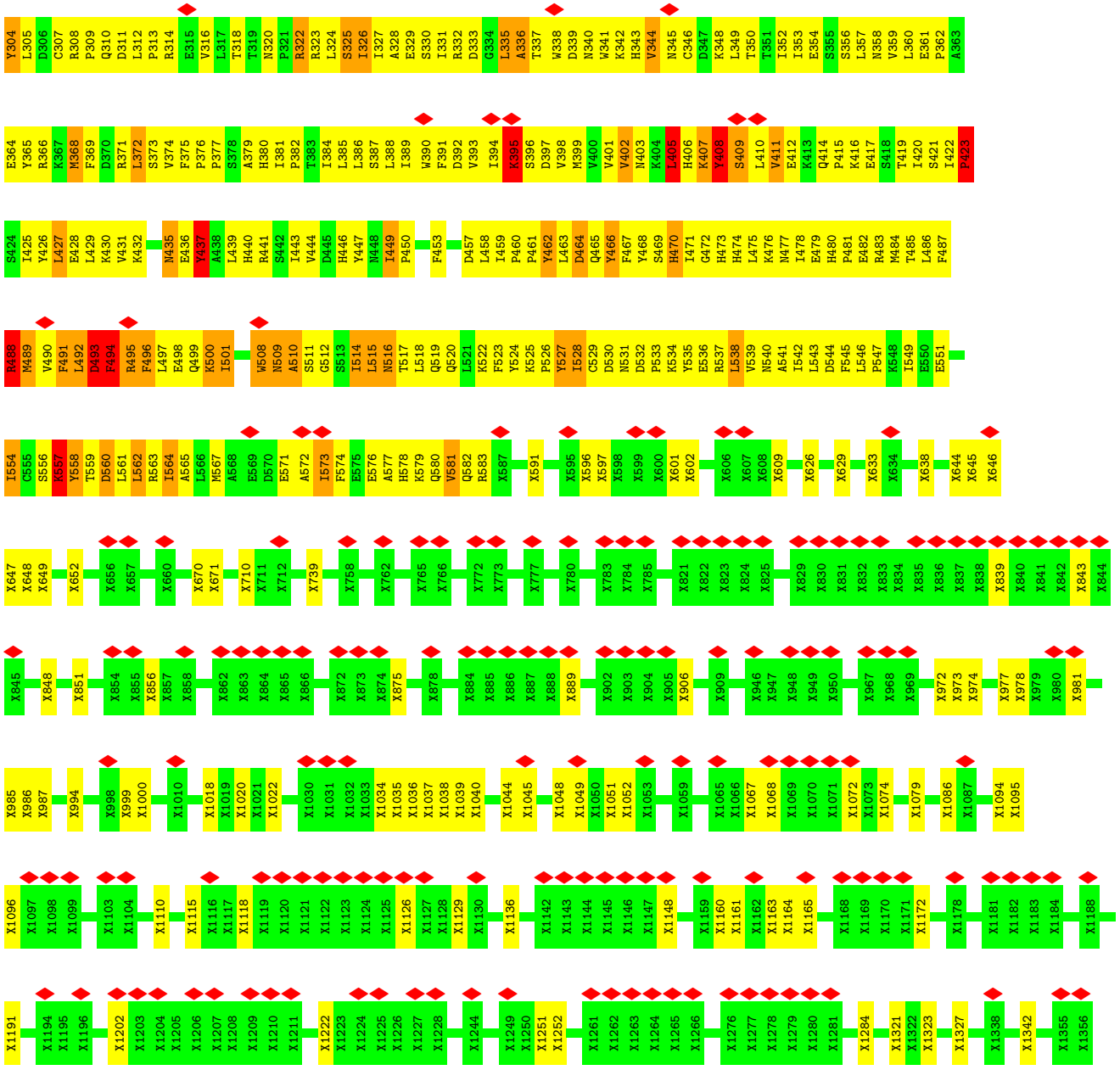




• Molecule 1: Apaf-1 related killer DARK

Chain P:




Y304 L305 D306 C307 R308 P309 Q310 D311 L312 P313 R314 E315 V316 L317 T318 T319 N320 P321 R322 R323 L324 S325 I326 I327 A328 E329 S330 I331 R332 D333 G334 L335 A336 T337 W338 D339 N340 W341 K342 H343 V344 N345 C346 D347 K348 L349 T350 T351 I352 I353 E354 S355 S356 L357 N358 V359 L360 E361 P362 A363
E364 Y365 R366 K367 M368 F369 D370 R371 L372 S373 V374 F375 P376 P377 S378 A379 H380 I381 P382 T383 I384 L385 L386 S387 L388 I389 W390 F391 D392 V393 I394 K395 S396 D397 V398 M399 V400 V401 V402 N403 K404 L405 H406 K407 Y408 S409 L410 V411 E412 K413 Q414 P415 K416 E417 S418 T419 I420 S421 I422 P423
S424 I425 Y426 L427 E428 L429 K430 V431 K432 N435 E436 Y437 A438 L439 H440 R441 S442 I443 V444 D445 H446 Y447 N448 I449 P450 F453 D457 L458 I459 P460 P461 Y462 L463 D464 Q465 Y466 F467 Y468 S469 H470 I471 G472 H473 H474 L475 K476 N477 I478 E479 H480 P481 E482 R483 M484 T485 L486 F487
R488 M489 V490 F491 L492 D493 F494 R495 F496 L497 E498 Q499 K500 I501 W508 N509 A510 S511 G512 S513 I514 L515 N516 T517 L518 Q519 Q520 L521 K522 F523 Y524 K525 P526 Y527 I528 C529 D530 N531 D532 P533 K534 Y535 E536 R537 L538 V539 N540 A541 I542 L543 D544 F545 L546 P547 K548 I549 E550 E551
I554 C555 S556 R557 Y558 T559 D560 L561 L562 R563 I564 A565 L566 M567 A568 E569 D570 E571 A572 I573 F574 E575 E576 A577 H578 K579 Q580 V581 Q582 R583 X587 X591 X596 X596 X597 X598 X599 X600 X601 X602 X606 X607 X608 X609 X626 X629 X633 X634 X638 X644 X645 X646
X647 X648 X649 X652 X656 X657 X660 X670 X671 X710 X711 X712 X739 X758 X762 X765 X766 X772 X773 X777 X780 X783 X784 X785 X821 X822 X823 X824 X825 X829 X830 X831 X832 X833 X834 X835 X836 X837 X838 X839 X840 X841 X842 X843 X844
X845 X848 X851 X854 X855 X856 X857 X858 X862 X863 X864 X865 X866 X872 X873 X874 X875 X878 X884 X885 X886 X887 X888 X889 X902 X903 X904 X905 X906 X909 X946 X947 X948 X949 X950 X967 X968 X969 X972 X973 X974 X977 X978 X979 X980 X981
X985 X986 X987 X994 X998 X999 X1000 X1010 X1018 X1019 X1020 X1021 X1022 X1030 X1031 X1032 X1033 X1034 X1035 X1036 X1037 X1038 X1039 X1040 X1044 X1045 X1048 X1049 X1050 X1051 X1052 X1053 X1059 X1065 X1066 X1067 X1068 X1069 X1070 X1071 X1072 X1073 X1074 X1079 X1086 X1087 X1094 X1095
X1096 X1097 X1098 X1099 X1103 X1104 X1110 X1115 X1116 X1117 X1118 X1119 X1120 X1121 X1122 X1123 X1124 X1125 X1126 X1127 X1128 X1129 X1130 X1136 X1142 X1143 X1144 X1145 X1146 X1147 X1148 X1159 X1160 X1161 X1162 X1163 X1164 X1165 X1168 X1169 X1170 X1171 X1172 X1178 X1181 X1182 X1183 X1184 X1188
X1191 X1194 X1195 X1196 X1202 X1203 X1204 X1205 X1206 X1207 X1208 X1209 X1210 X1211 X1222 X1223 X1224 X1225 X1226 X1227 X1228 X1244 X1249 X1250 X1251 X1252 X1261 X1262 X1263 X1264 X1265 X1266 X1276 X1277 X1278 X1279 X1280 X1281 X1284 X1321 X1322 X1323 X1327 X1338 X1342 X1355 X1356

4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, D8	Depositor
Number of particles used	48271	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	each CCD frame	Depositor
Microscope	FEI TECNAI F20	Depositor
Voltage (kV)	160	Depositor
Electron dose ($e^-/Å^2$)	20	Depositor
Minimum defocus (nm)	1500	Depositor
Maximum defocus (nm)	3000	Depositor
Magnification	50000	Depositor
Image detector	GENERIC TVIPS (4k x 4k)	Depositor
Maximum map value	3.620	Depositor
Minimum map value	-1.284	Depositor
Average map value	0.032	Depositor
Map value standard deviation	0.209	Depositor
Recommended contour level	0.8	Depositor
Map size (Å)	495.36002, 495.36002, 495.36002	wwPDB
Map dimensions	288, 288, 288	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.72, 1.72, 1.72	Depositor

5 Model quality (i)

5.1 Standard geometry (i)

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

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	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	B	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	C	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	D	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	E	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	F	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	G	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	H	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	I	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	J	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	K	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	L	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	M	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	N	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	O	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
1	P	1.03	7/4928 (0.1%)	1.79	71/6672 (1.1%)
All	All	1.03	112/78848 (0.1%)	1.79	1136/106752 (1.1%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
1	A	0	5
1	B	0	5
1	C	0	5
1	D	0	5
1	E	0	5
1	F	0	5
1	G	0	5

Continued on next page...

Continued from previous page...

Mol	Chain	#Chirality outliers	#Planarity outliers
1	H	0	5
1	I	0	5
1	J	0	5
1	K	0	5
1	L	0	5
1	M	0	5
1	N	0	5
1	O	0	5
1	P	0	5
All	All	0	80

All (112) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	494	PHE	CB-CG	-7.98	1.37	1.51
1	D	494	PHE	CB-CG	-7.98	1.37	1.51
1	F	494	PHE	CB-CG	-7.98	1.37	1.51
1	H	494	PHE	CB-CG	-7.98	1.37	1.51
1	J	494	PHE	CB-CG	-7.98	1.37	1.51
1	L	494	PHE	CB-CG	-7.98	1.37	1.51
1	N	494	PHE	CB-CG	-7.98	1.37	1.51
1	P	494	PHE	CB-CG	-7.98	1.37	1.51
1	A	494	PHE	CB-CG	-7.96	1.37	1.51
1	C	494	PHE	CB-CG	-7.96	1.37	1.51
1	E	494	PHE	CB-CG	-7.96	1.37	1.51
1	G	494	PHE	CB-CG	-7.96	1.37	1.51
1	I	494	PHE	CB-CG	-7.96	1.37	1.51
1	K	494	PHE	CB-CG	-7.96	1.37	1.51
1	M	494	PHE	CB-CG	-7.96	1.37	1.51
1	O	494	PHE	CB-CG	-7.96	1.37	1.51
1	A	121	ALA	N-CA	-7.00	1.32	1.46
1	C	121	ALA	N-CA	-7.00	1.32	1.46
1	E	121	ALA	N-CA	-7.00	1.32	1.46
1	G	121	ALA	N-CA	-7.00	1.32	1.46
1	I	121	ALA	N-CA	-7.00	1.32	1.46
1	K	121	ALA	N-CA	-7.00	1.32	1.46
1	M	121	ALA	N-CA	-7.00	1.32	1.46
1	O	121	ALA	N-CA	-7.00	1.32	1.46
1	B	121	ALA	N-CA	-6.96	1.32	1.46
1	D	121	ALA	N-CA	-6.96	1.32	1.46
1	F	121	ALA	N-CA	-6.96	1.32	1.46
1	H	121	ALA	N-CA	-6.96	1.32	1.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	J	121	ALA	N-CA	-6.96	1.32	1.46
1	L	121	ALA	N-CA	-6.96	1.32	1.46
1	N	121	ALA	N-CA	-6.96	1.32	1.46
1	P	121	ALA	N-CA	-6.96	1.32	1.46
1	B	496	PHE	CB-CG	-6.13	1.41	1.51
1	D	496	PHE	CB-CG	-6.13	1.41	1.51
1	F	496	PHE	CB-CG	-6.13	1.41	1.51
1	H	496	PHE	CB-CG	-6.13	1.41	1.51
1	J	496	PHE	CB-CG	-6.13	1.41	1.51
1	L	496	PHE	CB-CG	-6.13	1.41	1.51
1	N	496	PHE	CB-CG	-6.13	1.41	1.51
1	P	496	PHE	CB-CG	-6.13	1.41	1.51
1	A	496	PHE	CB-CG	-6.11	1.41	1.51
1	C	496	PHE	CB-CG	-6.11	1.41	1.51
1	E	496	PHE	CB-CG	-6.11	1.41	1.51
1	G	496	PHE	CB-CG	-6.11	1.41	1.51
1	I	496	PHE	CB-CG	-6.11	1.41	1.51
1	K	496	PHE	CB-CG	-6.11	1.41	1.51
1	M	496	PHE	CB-CG	-6.11	1.41	1.51
1	O	496	PHE	CB-CG	-6.11	1.41	1.51
1	K	335	LEU	C-N	5.70	1.47	1.34
1	M	335	LEU	C-N	5.70	1.47	1.34
1	O	335	LEU	C-N	5.70	1.47	1.34
1	B	335	LEU	C-N	5.67	1.47	1.34
1	D	335	LEU	C-N	5.67	1.47	1.34
1	F	335	LEU	C-N	5.67	1.47	1.34
1	H	335	LEU	C-N	5.67	1.47	1.34
1	J	335	LEU	C-N	5.67	1.47	1.34
1	L	335	LEU	C-N	5.67	1.47	1.34
1	N	335	LEU	C-N	5.67	1.47	1.34
1	P	335	LEU	C-N	5.67	1.47	1.34
1	A	335	LEU	C-N	5.67	1.47	1.34
1	C	335	LEU	C-N	5.67	1.47	1.34
1	E	335	LEU	C-N	5.67	1.47	1.34
1	G	335	LEU	C-N	5.67	1.47	1.34
1	I	335	LEU	C-N	5.67	1.47	1.34
1	B	120	PHE	CA-C	-5.65	1.38	1.52
1	D	120	PHE	CA-C	-5.65	1.38	1.52
1	F	120	PHE	CA-C	-5.65	1.38	1.52
1	H	120	PHE	CA-C	-5.65	1.38	1.52
1	J	120	PHE	CA-C	-5.65	1.38	1.52
1	L	120	PHE	CA-C	-5.65	1.38	1.52

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	N	120	PHE	CA-C	-5.65	1.38	1.52
1	P	120	PHE	CA-C	-5.65	1.38	1.52
1	A	120	PHE	CA-C	-5.65	1.38	1.52
1	C	120	PHE	CA-C	-5.65	1.38	1.52
1	E	120	PHE	CA-C	-5.65	1.38	1.52
1	G	120	PHE	CA-C	-5.65	1.38	1.52
1	I	120	PHE	CA-C	-5.65	1.38	1.52
1	K	120	PHE	CA-C	-5.65	1.38	1.52
1	M	120	PHE	CA-C	-5.65	1.38	1.52
1	O	120	PHE	CA-C	-5.65	1.38	1.52
1	A	392	ASP	C-N	5.45	1.46	1.34
1	C	392	ASP	C-N	5.45	1.46	1.34
1	E	392	ASP	C-N	5.45	1.46	1.34
1	G	392	ASP	C-N	5.45	1.46	1.34
1	I	392	ASP	C-N	5.45	1.46	1.34
1	K	392	ASP	C-N	5.45	1.46	1.34
1	M	392	ASP	C-N	5.45	1.46	1.34
1	O	392	ASP	C-N	5.45	1.46	1.34
1	B	392	ASP	C-N	5.44	1.46	1.34
1	D	392	ASP	C-N	5.44	1.46	1.34
1	F	392	ASP	C-N	5.44	1.46	1.34
1	H	392	ASP	C-N	5.44	1.46	1.34
1	J	392	ASP	C-N	5.44	1.46	1.34
1	L	392	ASP	C-N	5.44	1.46	1.34
1	N	392	ASP	C-N	5.44	1.46	1.34
1	P	392	ASP	C-N	5.44	1.46	1.34
1	A	423	PRO	CA-C	-5.31	1.42	1.52
1	C	423	PRO	CA-C	-5.31	1.42	1.52
1	E	423	PRO	CA-C	-5.31	1.42	1.52
1	G	423	PRO	CA-C	-5.31	1.42	1.52
1	I	423	PRO	CA-C	-5.31	1.42	1.52
1	K	423	PRO	CA-C	-5.31	1.42	1.52
1	M	423	PRO	CA-C	-5.31	1.42	1.52
1	O	423	PRO	CA-C	-5.31	1.42	1.52
1	B	423	PRO	CA-C	-5.30	1.42	1.52
1	D	423	PRO	CA-C	-5.30	1.42	1.52
1	F	423	PRO	CA-C	-5.30	1.42	1.52
1	H	423	PRO	CA-C	-5.30	1.42	1.52
1	J	423	PRO	CA-C	-5.30	1.42	1.52
1	L	423	PRO	CA-C	-5.30	1.42	1.52
1	N	423	PRO	CA-C	-5.30	1.42	1.52
1	P	423	PRO	CA-C	-5.30	1.42	1.52

All (1136) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	B	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	D	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	F	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	H	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	J	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	L	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	N	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	P	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	A	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	C	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	E	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	G	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	I	408	TYR	CB-CG-CD1	-44.15	94.51	121.00
1	K	408	TYR	CB-CG-CD1	-44.11	94.53	121.00
1	M	408	TYR	CB-CG-CD1	-44.11	94.53	121.00
1	O	408	TYR	CB-CG-CD1	-44.11	94.53	121.00
1	A	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	C	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	E	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	G	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	I	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	K	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	M	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	O	216	ASN	CB-CG-OD1	-38.81	43.97	121.60
1	B	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	D	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	F	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	H	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	J	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	L	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	N	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	P	216	ASN	CB-CG-OD1	-38.81	43.98	121.60
1	A	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	C	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	E	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	G	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	I	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	K	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	M	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	O	358	ASN	CB-CG-OD1	-38.49	44.61	121.60
1	B	358	ASN	CB-CG-OD1	-38.48	44.63	121.60
1	D	358	ASN	CB-CG-OD1	-38.48	44.63	121.60

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	F	358	ASN	CB-CG-OD1	-38.48	44.63	121.60
1	H	358	ASN	CB-CG-OD1	-38.48	44.63	121.60
1	J	358	ASN	CB-CG-OD1	-38.48	44.63	121.60
1	L	358	ASN	CB-CG-OD1	-38.48	44.63	121.60
1	N	358	ASN	CB-CG-OD1	-38.48	44.63	121.60
1	P	358	ASN	CB-CG-OD1	-38.48	44.63	121.60
1	A	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	C	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	E	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	G	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	I	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	K	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	M	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	O	408	TYR	CB-CG-CD2	23.65	135.19	121.00
1	B	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	D	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	F	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	H	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	J	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	L	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	N	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	P	408	TYR	CB-CG-CD2	23.64	135.18	121.00
1	A	494	PHE	CB-CG-CD2	-21.42	105.81	120.80
1	C	494	PHE	CB-CG-CD2	-21.42	105.81	120.80
1	E	494	PHE	CB-CG-CD2	-21.42	105.81	120.80
1	G	494	PHE	CB-CG-CD2	-21.42	105.81	120.80
1	I	494	PHE	CB-CG-CD2	-21.42	105.81	120.80
1	B	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	D	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	F	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	H	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	J	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	L	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	N	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	P	494	PHE	CB-CG-CD2	-21.38	105.83	120.80
1	K	494	PHE	CB-CG-CD2	-21.37	105.84	120.80
1	M	494	PHE	CB-CG-CD2	-21.37	105.84	120.80
1	O	494	PHE	CB-CG-CD2	-21.37	105.84	120.80
1	B	491	PHE	CB-CG-CD1	-18.51	107.84	120.80
1	D	491	PHE	CB-CG-CD1	-18.51	107.84	120.80
1	F	491	PHE	CB-CG-CD1	-18.51	107.84	120.80
1	H	491	PHE	CB-CG-CD1	-18.51	107.84	120.80

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	J	491	PHE	CB-CG-CD1	-18.51	107.84	120.80
1	L	491	PHE	CB-CG-CD1	-18.51	107.84	120.80
1	N	491	PHE	CB-CG-CD1	-18.51	107.84	120.80
1	P	491	PHE	CB-CG-CD1	-18.51	107.84	120.80
1	A	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	C	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	E	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	G	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	I	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	K	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	M	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	O	491	PHE	CB-CG-CD1	-18.50	107.85	120.80
1	A	488	ARG	NE-CZ-NH2	-16.15	112.23	120.30
1	C	488	ARG	NE-CZ-NH2	-16.15	112.23	120.30
1	E	488	ARG	NE-CZ-NH2	-16.15	112.23	120.30
1	G	488	ARG	NE-CZ-NH2	-16.15	112.23	120.30
1	I	488	ARG	NE-CZ-NH2	-16.15	112.23	120.30
1	B	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	D	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	F	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	H	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	J	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	L	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	N	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	P	488	ARG	NE-CZ-NH2	-16.08	112.26	120.30
1	K	488	ARG	NE-CZ-NH2	-16.04	112.28	120.30
1	M	488	ARG	NE-CZ-NH2	-16.04	112.28	120.30
1	O	488	ARG	NE-CZ-NH2	-16.04	112.28	120.30
1	A	488	ARG	NE-CZ-NH1	15.42	128.01	120.30
1	C	488	ARG	NE-CZ-NH1	15.42	128.01	120.30
1	E	488	ARG	NE-CZ-NH1	15.42	128.01	120.30
1	G	488	ARG	NE-CZ-NH1	15.42	128.01	120.30
1	I	488	ARG	NE-CZ-NH1	15.42	128.01	120.30
1	B	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	D	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	F	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	H	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	J	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	L	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	N	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	P	488	ARG	NE-CZ-NH1	15.31	127.96	120.30
1	K	488	ARG	NE-CZ-NH1	15.27	127.93	120.30

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	M	488	ARG	NE-CZ-NH1	15.27	127.93	120.30
1	O	488	ARG	NE-CZ-NH1	15.27	127.93	120.30
1	A	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	C	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	E	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	G	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	I	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	K	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	M	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	O	496	PHE	CB-CG-CD2	-13.84	111.11	120.80
1	B	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	D	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	F	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	H	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	J	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	L	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	N	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	P	496	PHE	CB-CG-CD2	-13.81	111.13	120.80
1	A	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	C	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	E	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	G	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	I	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	K	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	M	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	O	466	TYR	CB-CG-CD1	12.86	128.72	121.00
1	B	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	D	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	F	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	H	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	J	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	L	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	N	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	P	466	TYR	CB-CG-CD1	12.80	128.68	121.00
1	A	491	PHE	CB-CG-CD2	12.73	129.71	120.80
1	C	491	PHE	CB-CG-CD2	12.73	129.71	120.80
1	E	491	PHE	CB-CG-CD2	12.73	129.71	120.80
1	G	491	PHE	CB-CG-CD2	12.73	129.71	120.80
1	I	491	PHE	CB-CG-CD2	12.73	129.71	120.80
1	K	491	PHE	CB-CG-CD2	12.73	129.71	120.80
1	M	491	PHE	CB-CG-CD2	12.73	129.71	120.80
1	O	491	PHE	CB-CG-CD2	12.73	129.71	120.80

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	B	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	D	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	F	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	H	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	J	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	L	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	N	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	P	491	PHE	CB-CG-CD2	12.70	129.69	120.80
1	A	494	PHE	CD1-CG-CD2	11.94	133.82	118.30
1	C	494	PHE	CD1-CG-CD2	11.94	133.82	118.30
1	E	494	PHE	CD1-CG-CD2	11.94	133.82	118.30
1	G	494	PHE	CD1-CG-CD2	11.94	133.82	118.30
1	I	494	PHE	CD1-CG-CD2	11.94	133.82	118.30
1	A	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	C	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	E	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	G	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	I	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	K	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	M	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	O	496	PHE	CD1-CG-CD2	11.92	133.80	118.30
1	K	494	PHE	CD1-CG-CD2	11.91	133.78	118.30
1	M	494	PHE	CD1-CG-CD2	11.91	133.78	118.30
1	O	494	PHE	CD1-CG-CD2	11.91	133.78	118.30
1	B	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	D	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	F	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	H	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	J	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	L	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	N	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	P	496	PHE	CD1-CG-CD2	11.90	133.78	118.30
1	B	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	D	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	F	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	H	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	J	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	L	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	N	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	P	494	PHE	CD1-CG-CD2	11.89	133.76	118.30
1	B	304	TYR	CB-CG-CD2	-11.52	114.09	121.00
1	D	304	TYR	CB-CG-CD2	-11.52	114.09	121.00

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	F	304	TYR	CB-CG-CD2	-11.52	114.09	121.00
1	H	304	TYR	CB-CG-CD2	-11.52	114.09	121.00
1	J	304	TYR	CB-CG-CD2	-11.52	114.09	121.00
1	L	304	TYR	CB-CG-CD2	-11.52	114.09	121.00
1	N	304	TYR	CB-CG-CD2	-11.52	114.09	121.00
1	P	304	TYR	CB-CG-CD2	-11.52	114.09	121.00
1	A	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	C	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	E	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	G	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	I	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	K	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	M	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	O	304	TYR	CB-CG-CD2	-11.50	114.10	121.00
1	B	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	D	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	F	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	H	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	J	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	L	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	N	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	P	408	TYR	CD1-CG-CD2	11.03	130.03	117.90
1	A	408	TYR	CD1-CG-CD2	11.01	130.01	117.90
1	C	408	TYR	CD1-CG-CD2	11.01	130.01	117.90
1	E	408	TYR	CD1-CG-CD2	11.01	130.01	117.90
1	G	408	TYR	CD1-CG-CD2	11.01	130.01	117.90
1	I	408	TYR	CD1-CG-CD2	11.01	130.01	117.90
1	K	408	TYR	CD1-CG-CD2	11.00	130.00	117.90
1	M	408	TYR	CD1-CG-CD2	11.00	130.00	117.90
1	O	408	TYR	CD1-CG-CD2	11.00	130.00	117.90
1	A	494	PHE	CG-CD2-CE2	-10.31	109.46	120.80
1	C	494	PHE	CG-CD2-CE2	-10.31	109.46	120.80
1	E	494	PHE	CG-CD2-CE2	-10.31	109.46	120.80
1	G	494	PHE	CG-CD2-CE2	-10.31	109.46	120.80
1	I	494	PHE	CG-CD2-CE2	-10.31	109.46	120.80
1	K	494	PHE	CG-CD2-CE2	-10.27	109.50	120.80
1	M	494	PHE	CG-CD2-CE2	-10.27	109.50	120.80
1	O	494	PHE	CG-CD2-CE2	-10.27	109.50	120.80
1	B	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80
1	D	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80
1	F	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80
1	H	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	J	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80
1	L	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80
1	N	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80
1	P	494	PHE	CG-CD2-CE2	-10.27	109.51	120.80
1	A	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	C	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	E	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	G	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	I	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	K	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	M	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	O	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	B	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	D	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	F	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	H	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	J	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	L	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	N	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	P	358	ASN	CB-CG-ND2	-9.74	93.32	116.70
1	A	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	C	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	E	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	G	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	I	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	K	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	M	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	O	494	PHE	CB-CA-C	-9.25	91.91	110.40
1	B	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	D	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	F	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	H	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	J	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	L	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	N	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	P	494	PHE	CB-CA-C	-9.24	91.92	110.40
1	A	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	C	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	E	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	G	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	I	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	K	216	ASN	CB-CG-ND2	-9.05	94.98	116.70

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	M	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	O	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	B	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	D	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	F	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	H	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	J	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	L	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	N	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	P	216	ASN	CB-CG-ND2	-9.05	94.98	116.70
1	B	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	D	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	F	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	H	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	J	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	L	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	N	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	P	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	A	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	C	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	E	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	G	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	I	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	K	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	M	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	O	496	PHE	CB-CG-CD1	-9.01	114.50	120.80
1	B	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	D	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	F	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	H	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	J	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	L	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	N	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	P	304	TYR	CB-CA-C	-8.64	93.11	110.40
1	A	304	TYR	CB-CA-C	-8.63	93.13	110.40
1	C	304	TYR	CB-CA-C	-8.63	93.13	110.40
1	E	304	TYR	CB-CA-C	-8.63	93.13	110.40
1	G	304	TYR	CB-CA-C	-8.63	93.13	110.40
1	I	304	TYR	CB-CA-C	-8.63	93.13	110.40
1	K	304	TYR	CB-CA-C	-8.63	93.13	110.40
1	M	304	TYR	CB-CA-C	-8.63	93.13	110.40
1	O	304	TYR	CB-CA-C	-8.63	93.13	110.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	B	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	D	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	F	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	H	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	J	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	L	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	N	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	P	408	TYR	CG-CD1-CE1	-8.61	114.41	121.30
1	A	408	TYR	CG-CD1-CE1	-8.60	114.42	121.30
1	C	408	TYR	CG-CD1-CE1	-8.60	114.42	121.30
1	E	408	TYR	CG-CD1-CE1	-8.60	114.42	121.30
1	G	408	TYR	CG-CD1-CE1	-8.60	114.42	121.30
1	I	408	TYR	CG-CD1-CE1	-8.60	114.42	121.30
1	K	408	TYR	CG-CD1-CE1	-8.59	114.43	121.30
1	M	408	TYR	CG-CD1-CE1	-8.59	114.43	121.30
1	O	408	TYR	CG-CD1-CE1	-8.59	114.43	121.30
1	B	287	HIS	CB-CA-C	8.46	127.32	110.40
1	D	287	HIS	CB-CA-C	8.46	127.32	110.40
1	F	287	HIS	CB-CA-C	8.46	127.32	110.40
1	H	287	HIS	CB-CA-C	8.46	127.32	110.40
1	J	287	HIS	CB-CA-C	8.46	127.32	110.40
1	L	287	HIS	CB-CA-C	8.46	127.32	110.40
1	N	287	HIS	CB-CA-C	8.46	127.32	110.40
1	P	287	HIS	CB-CA-C	8.46	127.32	110.40
1	A	287	HIS	CB-CA-C	8.46	127.32	110.40
1	C	287	HIS	CB-CA-C	8.46	127.32	110.40
1	E	287	HIS	CB-CA-C	8.46	127.32	110.40
1	G	287	HIS	CB-CA-C	8.46	127.32	110.40
1	I	287	HIS	CB-CA-C	8.46	127.32	110.40
1	K	287	HIS	CB-CA-C	8.46	127.32	110.40
1	M	287	HIS	CB-CA-C	8.46	127.32	110.40
1	O	287	HIS	CB-CA-C	8.46	127.32	110.40
1	K	496	PHE	CG-CD2-CE2	-8.45	111.50	120.80
1	M	496	PHE	CG-CD2-CE2	-8.45	111.50	120.80
1	O	496	PHE	CG-CD2-CE2	-8.45	111.50	120.80
1	A	496	PHE	CG-CD2-CE2	-8.44	111.52	120.80
1	C	496	PHE	CG-CD2-CE2	-8.44	111.52	120.80
1	E	496	PHE	CG-CD2-CE2	-8.44	111.52	120.80
1	G	496	PHE	CG-CD2-CE2	-8.44	111.52	120.80
1	I	496	PHE	CG-CD2-CE2	-8.44	111.52	120.80
1	B	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80
1	D	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	F	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80
1	H	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80
1	J	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80
1	L	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80
1	N	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80
1	P	496	PHE	CG-CD2-CE2	-8.43	111.53	120.80
1	K	558	TYR	CB-CG-CD2	-8.24	116.06	121.00
1	M	558	TYR	CB-CG-CD2	-8.24	116.06	121.00
1	O	558	TYR	CB-CG-CD2	-8.24	116.06	121.00
1	B	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	D	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	F	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	H	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	J	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	L	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	N	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	P	558	TYR	CB-CG-CD2	-8.21	116.07	121.00
1	A	558	TYR	CB-CG-CD2	-8.13	116.12	121.00
1	C	558	TYR	CB-CG-CD2	-8.13	116.12	121.00
1	E	558	TYR	CB-CG-CD2	-8.13	116.12	121.00
1	G	558	TYR	CB-CG-CD2	-8.13	116.12	121.00
1	I	558	TYR	CB-CG-CD2	-8.13	116.12	121.00
1	A	557	LYS	N-CA-CB	8.07	125.14	110.60
1	C	557	LYS	N-CA-CB	8.07	125.14	110.60
1	E	557	LYS	N-CA-CB	8.07	125.14	110.60
1	G	557	LYS	N-CA-CB	8.07	125.14	110.60
1	I	557	LYS	N-CA-CB	8.07	125.14	110.60
1	B	557	LYS	N-CA-CB	8.06	125.11	110.60
1	D	557	LYS	N-CA-CB	8.06	125.11	110.60
1	F	557	LYS	N-CA-CB	8.06	125.11	110.60
1	H	557	LYS	N-CA-CB	8.06	125.11	110.60
1	J	557	LYS	N-CA-CB	8.06	125.11	110.60
1	K	557	LYS	N-CA-CB	8.06	125.11	110.60
1	L	557	LYS	N-CA-CB	8.06	125.11	110.60
1	M	557	LYS	N-CA-CB	8.06	125.11	110.60
1	N	557	LYS	N-CA-CB	8.06	125.11	110.60
1	O	557	LYS	N-CA-CB	8.06	125.11	110.60
1	P	557	LYS	N-CA-CB	8.06	125.11	110.60
1	B	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30
1	D	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30
1	F	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30
1	H	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	J	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30
1	L	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30
1	N	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30
1	P	408	TYR	CG-CD2-CE2	-8.05	114.86	121.30
1	A	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	C	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	E	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	G	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	I	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	K	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	M	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	O	408	TYR	CG-CD2-CE2	-8.02	114.88	121.30
1	B	120	PHE	CA-C-N	-7.84	99.96	117.20
1	D	120	PHE	CA-C-N	-7.84	99.96	117.20
1	F	120	PHE	CA-C-N	-7.84	99.96	117.20
1	H	120	PHE	CA-C-N	-7.84	99.96	117.20
1	J	120	PHE	CA-C-N	-7.84	99.96	117.20
1	L	120	PHE	CA-C-N	-7.84	99.96	117.20
1	N	120	PHE	CA-C-N	-7.84	99.96	117.20
1	P	120	PHE	CA-C-N	-7.84	99.96	117.20
1	A	120	PHE	CA-C-N	-7.83	99.97	117.20
1	A	491	PHE	N-CA-CB	7.83	124.70	110.60
1	C	120	PHE	CA-C-N	-7.83	99.97	117.20
1	C	491	PHE	N-CA-CB	7.83	124.70	110.60
1	E	120	PHE	CA-C-N	-7.83	99.97	117.20
1	E	491	PHE	N-CA-CB	7.83	124.70	110.60
1	G	120	PHE	CA-C-N	-7.83	99.97	117.20
1	G	491	PHE	N-CA-CB	7.83	124.70	110.60
1	I	120	PHE	CA-C-N	-7.83	99.97	117.20
1	I	491	PHE	N-CA-CB	7.83	124.70	110.60
1	K	120	PHE	CA-C-N	-7.83	99.97	117.20
1	M	120	PHE	CA-C-N	-7.83	99.97	117.20
1	O	120	PHE	CA-C-N	-7.83	99.97	117.20
1	B	491	PHE	N-CA-CB	7.82	124.67	110.60
1	D	491	PHE	N-CA-CB	7.82	124.67	110.60
1	F	491	PHE	N-CA-CB	7.82	124.67	110.60
1	H	491	PHE	N-CA-CB	7.82	124.67	110.60
1	J	491	PHE	N-CA-CB	7.82	124.67	110.60
1	L	491	PHE	N-CA-CB	7.82	124.67	110.60
1	N	491	PHE	N-CA-CB	7.82	124.67	110.60
1	P	491	PHE	N-CA-CB	7.82	124.67	110.60
1	K	491	PHE	N-CA-CB	7.80	124.64	110.60

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	M	491	PHE	N-CA-CB	7.80	124.64	110.60
1	O	491	PHE	N-CA-CB	7.80	124.64	110.60
1	A	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	C	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	E	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	G	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	I	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	K	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	M	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	O	168	TYR	CA-CB-CG	-7.70	98.78	113.40
1	B	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	D	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	F	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	H	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	J	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	L	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	N	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	P	168	TYR	CA-CB-CG	-7.69	98.79	113.40
1	B	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	D	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	F	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	H	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	J	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	L	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	N	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	P	466	TYR	CB-CG-CD2	-7.55	116.47	121.00
1	A	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	C	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	E	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	G	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	I	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	K	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	M	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	O	466	TYR	CB-CG-CD2	-7.54	116.47	121.00
1	B	216	ASN	OD1-CG-ND2	7.40	138.92	121.90
1	D	216	ASN	OD1-CG-ND2	7.40	138.92	121.90
1	F	216	ASN	OD1-CG-ND2	7.40	138.92	121.90
1	H	216	ASN	OD1-CG-ND2	7.40	138.92	121.90
1	J	216	ASN	OD1-CG-ND2	7.40	138.92	121.90
1	L	216	ASN	OD1-CG-ND2	7.40	138.92	121.90
1	N	216	ASN	OD1-CG-ND2	7.40	138.92	121.90
1	P	216	ASN	OD1-CG-ND2	7.40	138.92	121.90

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	A	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	C	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	E	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	G	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	I	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	K	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	M	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	O	216	ASN	OD1-CG-ND2	7.39	138.91	121.90
1	B	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	D	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	F	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	H	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	J	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	L	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	N	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	P	287	HIS	N-CA-CB	-7.12	97.78	110.60
1	A	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	C	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	E	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	G	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	I	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	K	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	M	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	O	287	HIS	N-CA-CB	-7.11	97.80	110.60
1	A	405	LEU	C-N-CA	7.00	139.20	121.70
1	C	405	LEU	C-N-CA	7.00	139.20	121.70
1	E	405	LEU	C-N-CA	7.00	139.20	121.70
1	G	405	LEU	C-N-CA	7.00	139.20	121.70
1	I	405	LEU	C-N-CA	7.00	139.20	121.70
1	B	405	LEU	C-N-CA	6.99	139.16	121.70
1	D	405	LEU	C-N-CA	6.99	139.16	121.70
1	F	405	LEU	C-N-CA	6.99	139.16	121.70
1	H	405	LEU	C-N-CA	6.99	139.16	121.70
1	J	405	LEU	C-N-CA	6.99	139.16	121.70
1	K	405	LEU	C-N-CA	6.99	139.16	121.70
1	L	405	LEU	C-N-CA	6.99	139.16	121.70
1	M	405	LEU	C-N-CA	6.99	139.16	121.70
1	N	405	LEU	C-N-CA	6.99	139.16	121.70
1	O	405	LEU	C-N-CA	6.99	139.16	121.70
1	P	405	LEU	C-N-CA	6.99	139.16	121.70
1	B	358	ASN	OD1-CG-ND2	6.98	137.95	121.90
1	D	358	ASN	OD1-CG-ND2	6.98	137.95	121.90

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	F	358	ASN	OD1-CG-ND2	6.98	137.95	121.90
1	H	358	ASN	OD1-CG-ND2	6.98	137.95	121.90
1	J	358	ASN	OD1-CG-ND2	6.98	137.95	121.90
1	L	358	ASN	OD1-CG-ND2	6.98	137.95	121.90
1	N	358	ASN	OD1-CG-ND2	6.98	137.95	121.90
1	P	358	ASN	OD1-CG-ND2	6.98	137.95	121.90
1	A	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	C	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	E	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	G	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	I	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	K	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	M	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	O	358	ASN	OD1-CG-ND2	6.97	137.93	121.90
1	B	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	D	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	F	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	H	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	J	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	L	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	N	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	P	437	TYR	CA-CB-CG	-6.92	100.26	113.40
1	K	437	TYR	CA-CB-CG	-6.91	100.28	113.40
1	M	437	TYR	CA-CB-CG	-6.91	100.28	113.40
1	O	437	TYR	CA-CB-CG	-6.91	100.28	113.40
1	A	437	TYR	CA-CB-CG	-6.90	100.29	113.40
1	C	437	TYR	CA-CB-CG	-6.90	100.29	113.40
1	E	437	TYR	CA-CB-CG	-6.90	100.29	113.40
1	G	437	TYR	CA-CB-CG	-6.90	100.29	113.40
1	I	437	TYR	CA-CB-CG	-6.90	100.29	113.40
1	B	556	SER	C-N-CA	-6.55	105.33	121.70
1	D	556	SER	C-N-CA	-6.55	105.33	121.70
1	F	556	SER	C-N-CA	-6.55	105.33	121.70
1	H	556	SER	C-N-CA	-6.55	105.33	121.70
1	J	556	SER	C-N-CA	-6.55	105.33	121.70
1	K	556	SER	C-N-CA	-6.55	105.34	121.70
1	L	556	SER	C-N-CA	-6.55	105.33	121.70
1	M	556	SER	C-N-CA	-6.55	105.34	121.70
1	N	556	SER	C-N-CA	-6.55	105.33	121.70
1	O	556	SER	C-N-CA	-6.55	105.34	121.70
1	P	556	SER	C-N-CA	-6.55	105.33	121.70
1	A	556	SER	C-N-CA	-6.53	105.37	121.70

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	C	556	SER	C-N-CA	-6.53	105.37	121.70
1	E	556	SER	C-N-CA	-6.53	105.37	121.70
1	G	556	SER	C-N-CA	-6.53	105.37	121.70
1	I	556	SER	C-N-CA	-6.53	105.37	121.70
1	A	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	C	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	E	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	G	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	I	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	K	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	M	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	O	494	PHE	CG-CD1-CE1	-6.43	113.73	120.80
1	B	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	D	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	F	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	H	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	J	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	L	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	N	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	P	494	PHE	CG-CD1-CE1	-6.42	113.74	120.80
1	A	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	C	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	E	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	G	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	I	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	K	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	M	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	O	554	ILE	CB-CA-C	-6.24	99.13	111.60
1	B	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	D	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	F	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	H	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	J	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	L	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	N	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	P	300	LEU	CA-CB-CG	6.23	129.62	115.30
1	B	554	ILE	CB-CA-C	-6.22	99.16	111.60
1	D	554	ILE	CB-CA-C	-6.22	99.16	111.60
1	F	554	ILE	CB-CA-C	-6.22	99.16	111.60
1	H	554	ILE	CB-CA-C	-6.22	99.16	111.60
1	J	554	ILE	CB-CA-C	-6.22	99.16	111.60
1	L	554	ILE	CB-CA-C	-6.22	99.16	111.60

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	N	554	ILE	CB-CA-C	-6.22	99.16	111.60
1	P	554	ILE	CB-CA-C	-6.22	99.16	111.60
1	A	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	C	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	E	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	G	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	I	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	K	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	M	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	O	300	LEU	CA-CB-CG	6.22	129.60	115.30
1	A	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	C	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	E	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	G	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	I	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	K	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	M	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	O	149	ILE	CB-CG1-CD1	-6.12	96.77	113.90
1	B	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	D	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	F	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	H	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	J	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	L	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	N	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	P	149	ILE	CB-CG1-CD1	-6.11	96.78	113.90
1	B	288	HIS	N-CA-C	-6.09	94.55	111.00
1	D	288	HIS	N-CA-C	-6.09	94.55	111.00
1	F	288	HIS	N-CA-C	-6.09	94.55	111.00
1	H	288	HIS	N-CA-C	-6.09	94.55	111.00
1	J	288	HIS	N-CA-C	-6.09	94.55	111.00
1	L	288	HIS	N-CA-C	-6.09	94.55	111.00
1	N	288	HIS	N-CA-C	-6.09	94.55	111.00
1	P	288	HIS	N-CA-C	-6.09	94.55	111.00
1	A	288	HIS	N-CA-C	-6.09	94.56	111.00
1	C	288	HIS	N-CA-C	-6.09	94.56	111.00
1	E	288	HIS	N-CA-C	-6.09	94.56	111.00
1	G	288	HIS	N-CA-C	-6.09	94.56	111.00
1	I	288	HIS	N-CA-C	-6.09	94.56	111.00
1	K	288	HIS	N-CA-C	-6.09	94.56	111.00
1	M	288	HIS	N-CA-C	-6.09	94.56	111.00
1	O	288	HIS	N-CA-C	-6.09	94.56	111.00

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	A	488	ARG	NH1-CZ-NH2	-6.09	112.70	119.40
1	C	488	ARG	NH1-CZ-NH2	-6.09	112.70	119.40
1	E	488	ARG	NH1-CZ-NH2	-6.09	112.70	119.40
1	G	488	ARG	NH1-CZ-NH2	-6.09	112.70	119.40
1	I	488	ARG	NH1-CZ-NH2	-6.09	112.70	119.40
1	A	167	SER	C-N-CA	6.07	136.88	121.70
1	C	167	SER	C-N-CA	6.07	136.88	121.70
1	E	167	SER	C-N-CA	6.07	136.88	121.70
1	G	167	SER	C-N-CA	6.07	136.88	121.70
1	I	167	SER	C-N-CA	6.07	136.88	121.70
1	K	167	SER	C-N-CA	6.07	136.88	121.70
1	M	167	SER	C-N-CA	6.07	136.88	121.70
1	O	167	SER	C-N-CA	6.07	136.88	121.70
1	B	167	SER	C-N-CA	6.07	136.88	121.70
1	D	167	SER	C-N-CA	6.07	136.88	121.70
1	F	167	SER	C-N-CA	6.07	136.88	121.70
1	H	167	SER	C-N-CA	6.07	136.88	121.70
1	J	167	SER	C-N-CA	6.07	136.88	121.70
1	L	167	SER	C-N-CA	6.07	136.88	121.70
1	N	167	SER	C-N-CA	6.07	136.88	121.70
1	P	167	SER	C-N-CA	6.07	136.88	121.70
1	B	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	D	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	F	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	H	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	J	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	L	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	N	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	P	488	ARG	NH1-CZ-NH2	-6.07	112.72	119.40
1	K	488	ARG	NH1-CZ-NH2	-6.05	112.75	119.40
1	M	488	ARG	NH1-CZ-NH2	-6.05	112.75	119.40
1	O	488	ARG	NH1-CZ-NH2	-6.05	112.75	119.40
1	B	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	D	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	F	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	H	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	J	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	L	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	N	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	P	493	ASP	CB-CG-OD2	-6.03	112.87	118.30
1	A	493	ASP	CB-CG-OD2	-6.02	112.88	118.30
1	C	493	ASP	CB-CG-OD2	-6.02	112.88	118.30

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	E	493	ASP	CB-CG-OD2	-6.02	112.88	118.30
1	G	493	ASP	CB-CG-OD2	-6.02	112.88	118.30
1	I	493	ASP	CB-CG-OD2	-6.02	112.88	118.30
1	K	493	ASP	CB-CG-OD2	-6.02	112.88	118.30
1	M	493	ASP	CB-CG-OD2	-6.02	112.88	118.30
1	O	493	ASP	CB-CG-OD2	-6.02	112.88	118.30
1	B	149	ILE	N-CA-C	-5.97	94.88	111.00
1	D	149	ILE	N-CA-C	-5.97	94.88	111.00
1	F	149	ILE	N-CA-C	-5.97	94.88	111.00
1	H	149	ILE	N-CA-C	-5.97	94.88	111.00
1	J	149	ILE	N-CA-C	-5.97	94.88	111.00
1	L	149	ILE	N-CA-C	-5.97	94.88	111.00
1	N	149	ILE	N-CA-C	-5.97	94.88	111.00
1	P	149	ILE	N-CA-C	-5.97	94.88	111.00
1	A	149	ILE	N-CA-C	-5.97	94.89	111.00
1	C	149	ILE	N-CA-C	-5.97	94.89	111.00
1	E	149	ILE	N-CA-C	-5.97	94.89	111.00
1	G	149	ILE	N-CA-C	-5.97	94.89	111.00
1	I	149	ILE	N-CA-C	-5.97	94.89	111.00
1	K	149	ILE	N-CA-C	-5.97	94.89	111.00
1	M	149	ILE	N-CA-C	-5.97	94.89	111.00
1	O	149	ILE	N-CA-C	-5.97	94.89	111.00
1	B	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	D	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	F	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	H	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	J	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	L	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	N	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	P	174	MET	CG-SD-CE	-5.83	90.87	100.20
1	A	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	C	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	E	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	G	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	I	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	K	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	M	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	O	174	MET	CG-SD-CE	-5.82	90.89	100.20
1	A	496	PHE	CG-CD1-CE1	-5.80	114.42	120.80
1	C	496	PHE	CG-CD1-CE1	-5.80	114.42	120.80
1	E	496	PHE	CG-CD1-CE1	-5.80	114.42	120.80
1	G	496	PHE	CG-CD1-CE1	-5.80	114.42	120.80

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	I	496	PHE	CG-CD1-CE1	-5.80	114.42	120.80
1	B	121	ALA	N-CA-C	-5.79	95.37	111.00
1	D	121	ALA	N-CA-C	-5.79	95.37	111.00
1	F	121	ALA	N-CA-C	-5.79	95.37	111.00
1	H	121	ALA	N-CA-C	-5.79	95.37	111.00
1	J	121	ALA	N-CA-C	-5.79	95.37	111.00
1	L	121	ALA	N-CA-C	-5.79	95.37	111.00
1	N	121	ALA	N-CA-C	-5.79	95.37	111.00
1	P	121	ALA	N-CA-C	-5.79	95.37	111.00
1	A	121	ALA	N-CA-C	-5.79	95.38	111.00
1	C	121	ALA	N-CA-C	-5.79	95.38	111.00
1	E	121	ALA	N-CA-C	-5.79	95.38	111.00
1	G	121	ALA	N-CA-C	-5.79	95.38	111.00
1	I	121	ALA	N-CA-C	-5.79	95.38	111.00
1	K	121	ALA	N-CA-C	-5.79	95.38	111.00
1	M	121	ALA	N-CA-C	-5.79	95.38	111.00
1	O	121	ALA	N-CA-C	-5.79	95.38	111.00
1	B	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	D	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	F	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	H	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	J	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	L	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	N	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	P	496	PHE	CG-CD1-CE1	-5.78	114.44	120.80
1	B	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	D	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	F	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	H	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	J	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	L	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	N	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	P	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	K	496	PHE	CG-CD1-CE1	-5.77	114.45	120.80
1	M	496	PHE	CG-CD1-CE1	-5.77	114.45	120.80
1	O	496	PHE	CG-CD1-CE1	-5.77	114.45	120.80
1	A	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	C	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	E	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	G	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	I	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	K	85	TYR	CB-CG-CD1	-5.77	117.54	121.00

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	M	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	O	85	TYR	CB-CG-CD1	-5.77	117.54	121.00
1	B	120	PHE	N-CA-CB	5.75	120.95	110.60
1	D	120	PHE	N-CA-CB	5.75	120.95	110.60
1	F	120	PHE	N-CA-CB	5.75	120.95	110.60
1	H	120	PHE	N-CA-CB	5.75	120.95	110.60
1	J	120	PHE	N-CA-CB	5.75	120.95	110.60
1	L	120	PHE	N-CA-CB	5.75	120.95	110.60
1	N	120	PHE	N-CA-CB	5.75	120.95	110.60
1	P	120	PHE	N-CA-CB	5.75	120.95	110.60
1	A	120	PHE	N-CA-CB	5.75	120.95	110.60
1	C	120	PHE	N-CA-CB	5.75	120.95	110.60
1	E	120	PHE	N-CA-CB	5.75	120.95	110.60
1	G	120	PHE	N-CA-CB	5.75	120.95	110.60
1	I	120	PHE	N-CA-CB	5.75	120.95	110.60
1	K	120	PHE	N-CA-CB	5.73	120.92	110.60
1	M	120	PHE	N-CA-CB	5.73	120.92	110.60
1	O	120	PHE	N-CA-CB	5.73	120.92	110.60
1	K	270	GLN	N-CA-CB	5.69	120.84	110.60
1	M	270	GLN	N-CA-CB	5.69	120.84	110.60
1	O	270	GLN	N-CA-CB	5.69	120.84	110.60
1	B	270	GLN	N-CA-CB	5.68	120.83	110.60
1	D	270	GLN	N-CA-CB	5.68	120.83	110.60
1	F	270	GLN	N-CA-CB	5.68	120.83	110.60
1	H	270	GLN	N-CA-CB	5.68	120.83	110.60
1	J	270	GLN	N-CA-CB	5.68	120.83	110.60
1	L	270	GLN	N-CA-CB	5.68	120.83	110.60
1	N	270	GLN	N-CA-CB	5.68	120.83	110.60
1	P	270	GLN	N-CA-CB	5.68	120.83	110.60
1	A	270	GLN	N-CA-CB	5.67	120.81	110.60
1	C	270	GLN	N-CA-CB	5.67	120.81	110.60
1	E	270	GLN	N-CA-CB	5.67	120.81	110.60
1	G	270	GLN	N-CA-CB	5.67	120.81	110.60
1	I	270	GLN	N-CA-CB	5.67	120.81	110.60
1	B	466	TYR	CB-CA-C	-5.65	99.10	110.40
1	D	466	TYR	CB-CA-C	-5.65	99.10	110.40
1	F	466	TYR	CB-CA-C	-5.65	99.10	110.40
1	H	466	TYR	CB-CA-C	-5.65	99.10	110.40
1	J	466	TYR	CB-CA-C	-5.65	99.10	110.40
1	L	466	TYR	CB-CA-C	-5.65	99.10	110.40
1	N	466	TYR	CB-CA-C	-5.65	99.10	110.40
1	P	466	TYR	CB-CA-C	-5.65	99.10	110.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	A	527	TYR	CA-CB-CG	-5.64	102.68	113.40
1	C	527	TYR	CA-CB-CG	-5.64	102.68	113.40
1	E	527	TYR	CA-CB-CG	-5.64	102.68	113.40
1	G	527	TYR	CA-CB-CG	-5.64	102.68	113.40
1	I	527	TYR	CA-CB-CG	-5.64	102.68	113.40
1	A	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	C	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	E	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	G	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	I	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	K	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	M	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	O	466	TYR	CB-CA-C	-5.64	99.12	110.40
1	K	527	TYR	CA-CB-CG	-5.63	102.70	113.40
1	M	527	TYR	CA-CB-CG	-5.63	102.70	113.40
1	O	527	TYR	CA-CB-CG	-5.63	102.70	113.40
1	B	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	D	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	F	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	H	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	J	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	L	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	N	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	P	527	TYR	CA-CB-CG	-5.62	102.72	113.40
1	B	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	D	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	F	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	H	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	J	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	L	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	N	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	P	408	TYR	CZ-CE2-CD2	-5.61	114.75	119.80
1	B	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	D	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	F	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	H	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	J	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	L	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	N	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	P	402	VAL	CB-CA-C	-5.60	100.76	111.40
1	A	336	ALA	N-CA-C	-5.60	95.89	111.00
1	C	336	ALA	N-CA-C	-5.60	95.89	111.00

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	E	336	ALA	N-CA-C	-5.60	95.89	111.00
1	G	336	ALA	N-CA-C	-5.60	95.89	111.00
1	I	336	ALA	N-CA-C	-5.60	95.89	111.00
1	K	336	ALA	N-CA-C	-5.60	95.89	111.00
1	M	336	ALA	N-CA-C	-5.60	95.89	111.00
1	O	336	ALA	N-CA-C	-5.60	95.89	111.00
1	A	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	C	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	E	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	G	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	I	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	K	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	M	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	O	408	TYR	CZ-CE2-CD2	-5.60	114.76	119.80
1	A	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	C	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	E	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	G	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	I	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	K	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	M	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	O	402	VAL	CB-CA-C	-5.59	100.78	111.40
1	B	336	ALA	N-CA-C	-5.58	95.92	111.00
1	D	336	ALA	N-CA-C	-5.58	95.92	111.00
1	F	336	ALA	N-CA-C	-5.58	95.92	111.00
1	H	336	ALA	N-CA-C	-5.58	95.92	111.00
1	J	336	ALA	N-CA-C	-5.58	95.92	111.00
1	L	336	ALA	N-CA-C	-5.58	95.92	111.00
1	N	336	ALA	N-CA-C	-5.58	95.92	111.00
1	P	336	ALA	N-CA-C	-5.58	95.92	111.00
1	K	488	ARG	CD-NE-CZ	5.56	131.38	123.60
1	M	488	ARG	CD-NE-CZ	5.56	131.38	123.60
1	O	488	ARG	CD-NE-CZ	5.56	131.38	123.60
1	B	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	D	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	F	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	H	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	J	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	L	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	N	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	P	488	ARG	CD-NE-CZ	5.54	131.36	123.60
1	A	488	ARG	CD-NE-CZ	5.54	131.35	123.60

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	C	488	ARG	CD-NE-CZ	5.54	131.35	123.60
1	E	488	ARG	CD-NE-CZ	5.54	131.35	123.60
1	G	488	ARG	CD-NE-CZ	5.54	131.35	123.60
1	I	488	ARG	CD-NE-CZ	5.54	131.35	123.60
1	A	120	PHE	O-C-N	5.49	131.48	122.70
1	C	120	PHE	O-C-N	5.49	131.48	122.70
1	E	120	PHE	O-C-N	5.49	131.48	122.70
1	G	120	PHE	O-C-N	5.49	131.48	122.70
1	I	120	PHE	O-C-N	5.49	131.48	122.70
1	K	120	PHE	O-C-N	5.49	131.48	122.70
1	M	120	PHE	O-C-N	5.49	131.48	122.70
1	O	120	PHE	O-C-N	5.49	131.48	122.70
1	B	120	PHE	O-C-N	5.47	131.46	122.70
1	D	120	PHE	O-C-N	5.47	131.46	122.70
1	F	120	PHE	O-C-N	5.47	131.46	122.70
1	H	120	PHE	O-C-N	5.47	131.46	122.70
1	J	120	PHE	O-C-N	5.47	131.46	122.70
1	L	120	PHE	O-C-N	5.47	131.46	122.70
1	N	120	PHE	O-C-N	5.47	131.46	122.70
1	P	120	PHE	O-C-N	5.47	131.46	122.70
1	A	489	MET	N-CA-C	-5.45	96.30	111.00
1	C	489	MET	N-CA-C	-5.45	96.30	111.00
1	E	489	MET	N-CA-C	-5.45	96.30	111.00
1	G	489	MET	N-CA-C	-5.45	96.30	111.00
1	I	489	MET	N-CA-C	-5.45	96.30	111.00
1	K	489	MET	N-CA-C	-5.45	96.30	111.00
1	M	489	MET	N-CA-C	-5.45	96.30	111.00
1	O	489	MET	N-CA-C	-5.45	96.30	111.00
1	B	489	MET	N-CA-C	-5.44	96.30	111.00
1	D	489	MET	N-CA-C	-5.44	96.30	111.00
1	F	489	MET	N-CA-C	-5.44	96.30	111.00
1	H	489	MET	N-CA-C	-5.44	96.30	111.00
1	J	489	MET	N-CA-C	-5.44	96.30	111.00
1	L	489	MET	N-CA-C	-5.44	96.30	111.00
1	N	489	MET	N-CA-C	-5.44	96.30	111.00
1	P	489	MET	N-CA-C	-5.44	96.30	111.00
1	A	30	LYS	CB-CA-C	-5.39	99.62	110.40
1	C	30	LYS	CB-CA-C	-5.39	99.62	110.40
1	E	30	LYS	CB-CA-C	-5.39	99.62	110.40
1	G	30	LYS	CB-CA-C	-5.39	99.62	110.40
1	I	30	LYS	CB-CA-C	-5.39	99.62	110.40
1	B	30	LYS	CB-CA-C	-5.37	99.66	110.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	D	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	F	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	H	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	J	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	K	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	L	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	M	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	N	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	O	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	P	30	LYS	CB-CA-C	-5.37	99.66	110.40
1	A	32	VAL	C-N-CA	-5.36	108.29	121.70
1	C	32	VAL	C-N-CA	-5.36	108.29	121.70
1	E	32	VAL	C-N-CA	-5.36	108.29	121.70
1	G	32	VAL	C-N-CA	-5.36	108.29	121.70
1	I	32	VAL	C-N-CA	-5.36	108.29	121.70
1	K	32	VAL	C-N-CA	-5.36	108.29	121.70
1	M	32	VAL	C-N-CA	-5.36	108.29	121.70
1	O	32	VAL	C-N-CA	-5.36	108.29	121.70
1	B	32	VAL	C-N-CA	-5.36	108.29	121.70
1	D	32	VAL	C-N-CA	-5.36	108.29	121.70
1	F	32	VAL	C-N-CA	-5.36	108.29	121.70
1	H	32	VAL	C-N-CA	-5.36	108.29	121.70
1	J	32	VAL	C-N-CA	-5.36	108.29	121.70
1	L	32	VAL	C-N-CA	-5.36	108.29	121.70
1	N	32	VAL	C-N-CA	-5.36	108.29	121.70
1	P	32	VAL	C-N-CA	-5.36	108.29	121.70
1	B	289	SER	N-CA-CB	5.26	118.39	110.50
1	D	289	SER	N-CA-CB	5.26	118.39	110.50
1	F	289	SER	N-CA-CB	5.26	118.39	110.50
1	H	289	SER	N-CA-CB	5.26	118.39	110.50
1	J	289	SER	N-CA-CB	5.26	118.39	110.50
1	L	289	SER	N-CA-CB	5.26	118.39	110.50
1	N	289	SER	N-CA-CB	5.26	118.39	110.50
1	P	289	SER	N-CA-CB	5.26	118.39	110.50
1	A	491	PHE	CA-C-N	-5.25	105.66	117.20
1	C	491	PHE	CA-C-N	-5.25	105.66	117.20
1	E	491	PHE	CA-C-N	-5.25	105.66	117.20
1	G	491	PHE	CA-C-N	-5.25	105.66	117.20
1	I	491	PHE	CA-C-N	-5.25	105.66	117.20
1	A	289	SER	N-CA-CB	5.24	118.37	110.50
1	C	289	SER	N-CA-CB	5.24	118.37	110.50
1	E	289	SER	N-CA-CB	5.24	118.37	110.50

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	G	289	SER	N-CA-CB	5.24	118.37	110.50
1	I	289	SER	N-CA-CB	5.24	118.37	110.50
1	K	289	SER	N-CA-CB	5.24	118.37	110.50
1	M	289	SER	N-CA-CB	5.24	118.37	110.50
1	O	289	SER	N-CA-CB	5.24	118.37	110.50
1	B	491	PHE	CA-C-N	-5.24	105.67	117.20
1	D	491	PHE	CA-C-N	-5.24	105.67	117.20
1	F	491	PHE	CA-C-N	-5.24	105.67	117.20
1	H	491	PHE	CA-C-N	-5.24	105.67	117.20
1	J	491	PHE	CA-C-N	-5.24	105.67	117.20
1	L	491	PHE	CA-C-N	-5.24	105.67	117.20
1	N	491	PHE	CA-C-N	-5.24	105.67	117.20
1	P	491	PHE	CA-C-N	-5.24	105.67	117.20
1	A	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	C	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	E	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	G	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	I	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	K	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	M	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	O	466	TYR	CG-CD2-CE2	5.24	125.49	121.30
1	K	491	PHE	CA-C-N	-5.24	105.68	117.20
1	M	491	PHE	CA-C-N	-5.24	105.68	117.20
1	O	491	PHE	CA-C-N	-5.24	105.68	117.20
1	B	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	D	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	F	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	H	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	J	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	L	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	N	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	P	466	TYR	CG-CD2-CE2	5.23	125.48	121.30
1	A	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	C	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	E	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	G	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	I	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	K	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	M	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	O	408	TYR	CB-CA-C	-5.21	99.97	110.40
1	B	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	B	560	ASP	CA-CB-CG	-5.21	101.94	113.40

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	D	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	D	560	ASP	CA-CB-CG	-5.21	101.94	113.40
1	F	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	F	560	ASP	CA-CB-CG	-5.21	101.94	113.40
1	H	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	H	560	ASP	CA-CB-CG	-5.21	101.94	113.40
1	J	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	J	560	ASP	CA-CB-CG	-5.21	101.94	113.40
1	L	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	L	560	ASP	CA-CB-CG	-5.21	101.94	113.40
1	N	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	N	560	ASP	CA-CB-CG	-5.21	101.94	113.40
1	P	408	TYR	CB-CA-C	-5.21	99.98	110.40
1	P	560	ASP	CA-CB-CG	-5.21	101.94	113.40
1	A	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	C	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	E	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	G	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	I	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	K	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	M	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	O	560	ASP	CA-CB-CG	-5.20	101.95	113.40
1	A	423	PRO	N-CA-CB	5.14	109.47	103.30
1	A	512	GLY	N-CA-C	-5.14	100.24	113.10
1	B	423	PRO	N-CA-CB	5.14	109.47	103.30
1	B	512	GLY	N-CA-C	-5.14	100.24	113.10
1	C	423	PRO	N-CA-CB	5.14	109.47	103.30
1	C	512	GLY	N-CA-C	-5.14	100.24	113.10
1	D	423	PRO	N-CA-CB	5.14	109.47	103.30
1	D	512	GLY	N-CA-C	-5.14	100.24	113.10
1	E	423	PRO	N-CA-CB	5.14	109.47	103.30
1	E	512	GLY	N-CA-C	-5.14	100.24	113.10
1	F	423	PRO	N-CA-CB	5.14	109.47	103.30
1	F	512	GLY	N-CA-C	-5.14	100.24	113.10
1	G	423	PRO	N-CA-CB	5.14	109.47	103.30
1	G	512	GLY	N-CA-C	-5.14	100.24	113.10
1	H	423	PRO	N-CA-CB	5.14	109.47	103.30
1	H	512	GLY	N-CA-C	-5.14	100.24	113.10
1	I	423	PRO	N-CA-CB	5.14	109.47	103.30
1	I	512	GLY	N-CA-C	-5.14	100.24	113.10
1	J	423	PRO	N-CA-CB	5.14	109.47	103.30
1	J	512	GLY	N-CA-C	-5.14	100.24	113.10

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	K	512	GLY	N-CA-C	-5.14	100.25	113.10
1	L	423	PRO	N-CA-CB	5.14	109.47	103.30
1	L	512	GLY	N-CA-C	-5.14	100.24	113.10
1	M	512	GLY	N-CA-C	-5.14	100.25	113.10
1	N	423	PRO	N-CA-CB	5.14	109.47	103.30
1	N	512	GLY	N-CA-C	-5.14	100.24	113.10
1	O	512	GLY	N-CA-C	-5.14	100.25	113.10
1	P	423	PRO	N-CA-CB	5.14	109.47	103.30
1	P	512	GLY	N-CA-C	-5.14	100.24	113.10
1	K	423	PRO	N-CA-CB	5.13	109.45	103.30
1	M	423	PRO	N-CA-CB	5.13	109.45	103.30
1	O	423	PRO	N-CA-CB	5.13	109.45	103.30
1	K	85	TYR	N-CA-C	-5.06	97.33	111.00
1	M	85	TYR	N-CA-C	-5.06	97.33	111.00
1	O	85	TYR	N-CA-C	-5.06	97.33	111.00
1	A	510	ALA	CB-CA-C	5.06	117.69	110.10
1	C	510	ALA	CB-CA-C	5.06	117.69	110.10
1	E	510	ALA	CB-CA-C	5.06	117.69	110.10
1	G	510	ALA	CB-CA-C	5.06	117.69	110.10
1	I	510	ALA	CB-CA-C	5.06	117.69	110.10
1	K	510	ALA	CB-CA-C	5.06	117.69	110.10
1	M	510	ALA	CB-CA-C	5.06	117.69	110.10
1	O	510	ALA	CB-CA-C	5.06	117.69	110.10
1	B	85	TYR	N-CA-C	-5.05	97.36	111.00
1	D	85	TYR	N-CA-C	-5.05	97.36	111.00
1	F	85	TYR	N-CA-C	-5.05	97.36	111.00
1	H	85	TYR	N-CA-C	-5.05	97.36	111.00
1	J	85	TYR	N-CA-C	-5.05	97.36	111.00
1	L	85	TYR	N-CA-C	-5.05	97.36	111.00
1	N	85	TYR	N-CA-C	-5.05	97.36	111.00
1	P	85	TYR	N-CA-C	-5.05	97.36	111.00
1	A	85	TYR	N-CA-C	-5.05	97.36	111.00
1	C	85	TYR	N-CA-C	-5.05	97.36	111.00
1	E	85	TYR	N-CA-C	-5.05	97.36	111.00
1	G	85	TYR	N-CA-C	-5.05	97.36	111.00
1	I	85	TYR	N-CA-C	-5.05	97.36	111.00
1	B	510	ALA	CB-CA-C	5.04	117.66	110.10
1	D	510	ALA	CB-CA-C	5.04	117.66	110.10
1	F	510	ALA	CB-CA-C	5.04	117.66	110.10
1	H	510	ALA	CB-CA-C	5.04	117.66	110.10
1	J	510	ALA	CB-CA-C	5.04	117.66	110.10
1	L	510	ALA	CB-CA-C	5.04	117.66	110.10

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	N	510	ALA	CB-CA-C	5.04	117.66	110.10
1	P	510	ALA	CB-CA-C	5.04	117.66	110.10

There are no chirality outliers.

All (80) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	1136	UNK	Peptide
1	A	268	PHE	Mainchain
1	A	407	LYS	Peptide
1	A	408	TYR	Peptide
1	A	488	ARG	Sidechain
1	B	1136	UNK	Peptide
1	B	268	PHE	Mainchain
1	B	407	LYS	Peptide
1	B	408	TYR	Peptide
1	B	488	ARG	Sidechain
1	C	1136	UNK	Peptide
1	C	268	PHE	Mainchain
1	C	407	LYS	Peptide
1	C	408	TYR	Peptide
1	C	488	ARG	Sidechain
1	D	1136	UNK	Peptide
1	D	268	PHE	Mainchain
1	D	407	LYS	Peptide
1	D	408	TYR	Peptide
1	D	488	ARG	Sidechain
1	E	1136	UNK	Peptide
1	E	268	PHE	Mainchain
1	E	407	LYS	Peptide
1	E	408	TYR	Peptide
1	E	488	ARG	Sidechain
1	F	1136	UNK	Peptide
1	F	268	PHE	Mainchain
1	F	407	LYS	Peptide
1	F	408	TYR	Peptide
1	F	488	ARG	Sidechain
1	G	1136	UNK	Peptide
1	G	268	PHE	Mainchain
1	G	407	LYS	Peptide
1	G	408	TYR	Peptide
1	G	488	ARG	Sidechain

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Group
1	H	1136	UNK	Peptide
1	H	268	PHE	Mainchain
1	H	407	LYS	Peptide
1	H	408	TYR	Peptide
1	H	488	ARG	Sidechain
1	I	1136	UNK	Peptide
1	I	268	PHE	Mainchain
1	I	407	LYS	Peptide
1	I	408	TYR	Peptide
1	I	488	ARG	Sidechain
1	J	1136	UNK	Peptide
1	J	268	PHE	Mainchain
1	J	407	LYS	Peptide
1	J	408	TYR	Peptide
1	J	488	ARG	Sidechain
1	K	1136	UNK	Peptide
1	K	268	PHE	Mainchain
1	K	407	LYS	Peptide
1	K	408	TYR	Peptide
1	K	488	ARG	Sidechain
1	L	1136	UNK	Peptide
1	L	268	PHE	Mainchain
1	L	407	LYS	Peptide
1	L	408	TYR	Peptide
1	L	488	ARG	Sidechain
1	M	1136	UNK	Peptide
1	M	268	PHE	Mainchain
1	M	407	LYS	Peptide
1	M	408	TYR	Peptide
1	M	488	ARG	Sidechain
1	N	1136	UNK	Peptide
1	N	268	PHE	Mainchain
1	N	407	LYS	Peptide
1	N	408	TYR	Peptide
1	N	488	ARG	Sidechain
1	O	1136	UNK	Peptide
1	O	268	PHE	Mainchain
1	O	407	LYS	Peptide
1	O	408	TYR	Peptide
1	O	488	ARG	Sidechain
1	P	1136	UNK	Peptide
1	P	268	PHE	Mainchain

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Group
1	P	407	LYS	Peptide
1	P	408	TYR	Peptide
1	P	488	ARG	Sidechain

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	7980	0	5616	1735	0
1	B	7980	0	5616	1741	0
1	C	7980	0	5616	1746	0
1	D	7980	0	5616	1740	0
1	E	7980	0	5616	1727	0
1	F	7980	0	5616	1727	0
1	G	7980	0	5616	1737	0
1	H	7980	0	5616	1743	0
1	I	7980	0	5616	1726	0
1	J	7980	0	5616	1743	0
1	K	7980	0	5616	1738	0
1	L	7980	0	5616	1740	0
1	M	7980	0	5616	1735	0
1	N	7980	0	5616	1743	0
1	O	7980	0	5616	1739	0
1	P	7980	0	5616	1730	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
2	C	1	0	0	0	0
2	D	1	0	0	0	0
2	E	1	0	0	0	0
2	F	1	0	0	0	0
2	G	1	0	0	0	0
2	H	1	0	0	0	0
2	I	1	0	0	0	0
2	J	1	0	0	0	0
2	K	1	0	0	0	0
2	L	1	0	0	0	0
2	M	1	0	0	0	0
2	N	1	0	0	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	O	1	0	0	0	0
2	P	1	0	0	0	0
3	A	30	0	12	16	0
3	B	30	0	12	15	0
3	C	30	0	12	17	0
3	D	30	0	12	17	0
3	E	30	0	12	16	0
3	F	30	0	12	15	0
3	G	30	0	12	15	0
3	H	30	0	12	16	0
3	I	30	0	12	16	0
3	J	30	0	12	17	0
3	K	30	0	12	17	0
3	L	30	0	12	15	0
3	M	30	0	12	16	0
3	N	30	0	12	17	0
3	O	30	0	12	16	0
3	P	30	0	12	15	0
All	All	128176	0	90048	26556	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 122.

All (26556) 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:M:114:TYR:CE1	1:N:280:THR:HG21	1.21	1.73
1:A:114:TYR:CE1	1:H:280:THR:HG21	1.21	1.72
1:G:280:THR:HG21	1:H:114:TYR:CE1	1.21	1.72
1:N:114:TYR:CE1	1:O:280:THR:HG21	1.21	1.71
1:O:114:TYR:CD1	1:P:280:THR:HG23	1.19	1.70
1:F:280:THR:HG23	1:G:114:TYR:CD1	1.19	1.70
1:E:280:THR:HG23	1:F:114:TYR:CD1	1.19	1.70
1:I:280:THR:HG23	1:P:114:TYR:CD1	1.19	1.70
1:F:280:THR:HG21	1:G:114:TYR:CE1	1.21	1.69
1:N:114:TYR:CD1	1:O:280:THR:HG23	1.19	1.68
1:G:280:THR:HG23	1:H:114:TYR:CD1	1.19	1.68
1:L:114:TYR:CE1	1:M:280:THR:HG21	1.21	1.68
1:O:114:TYR:CE1	1:P:280:THR:HG21	1.21	1.68
1:E:280:THR:HG21	1:F:114:TYR:CE1	1.21	1.68
1:A:280:THR:HG21	1:B:114:TYR:CE1	1.21	1.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:280:THR:HG21	1:E:114:TYR:CE1	1.21	1.67
1:D:280:THR:HG23	1:E:114:TYR:CD1	1.19	1.67
1:I:114:TYR:CD1	1:J:280:THR:HG23	1.19	1.67
1:I:280:THR:HG21	1:P:114:TYR:CE1	1.21	1.67
1:I:114:TYR:CE1	1:J:280:THR:HG21	1.21	1.67
1:C:280:THR:HG21	1:D:114:TYR:CE1	1.21	1.65
1:M:114:TYR:CD1	1:N:280:THR:HG23	1.19	1.64
1:J:114:TYR:CE1	1:K:280:THR:HG21	1.21	1.64
1:A:114:TYR:CD1	1:H:280:THR:HG23	1.19	1.64
1:K:114:TYR:CE1	1:L:280:THR:HG21	1.21	1.64
1:B:280:THR:HG21	1:C:114:TYR:CE1	1.21	1.63
1:C:280:THR:HG23	1:D:114:TYR:CD1	1.19	1.62
1:A:114:TYR:CD1	1:H:280:THR:CG2	1.80	1.62
1:J:114:TYR:CD1	1:K:280:THR:HG23	1.19	1.62
1:K:114:TYR:CD1	1:L:280:THR:CG2	1.80	1.62
1:A:280:THR:CG2	1:B:114:TYR:CD1	1.80	1.62
1:K:114:TYR:CD1	1:L:280:THR:HG23	1.19	1.62
1:L:114:TYR:CD1	1:M:280:THR:CG2	1.80	1.62
1:M:114:TYR:CD1	1:N:280:THR:CG2	1.80	1.62
1:B:280:THR:CG2	1:C:114:TYR:CD1	1.80	1.61
1:B:280:THR:HG23	1:C:114:TYR:CD1	1.19	1.61
1:J:114:TYR:CD1	1:K:280:THR:CG2	1.80	1.61
1:C:280:THR:CG2	1:D:114:TYR:CD1	1.80	1.60
1:B:40:LEU:HD11	1:B:64:THR:CG2	1.14	1.60
1:G:280:THR:CG2	1:H:114:TYR:CD1	1.80	1.60
1:L:40:LEU:HD11	1:L:64:THR:CG2	1.14	1.59
1:L:114:TYR:CD1	1:M:280:THR:HG23	1.19	1.59
1:N:114:TYR:CD1	1:O:280:THR:CG2	1.80	1.59
1:A:280:THR:HG23	1:B:114:TYR:CD1	1.19	1.58
1:M:40:LEU:HD11	1:M:64:THR:CG2	1.14	1.58
1:P:40:LEU:HD11	1:P:64:THR:CG2	1.14	1.58
1:F:40:LEU:HD11	1:F:64:THR:CG2	1.14	1.58
1:A:40:LEU:HD11	1:A:64:THR:CG2	1.14	1.57
1:I:114:TYR:CD1	1:J:280:THR:CG2	1.80	1.57
1:D:280:THR:CG2	1:E:114:TYR:CD1	1.80	1.56
1:B:601:UNK:C	1:B:601:UNK:CA	1.84	1.56
1:L:601:UNK:C	1:L:601:UNK:CA	1.84	1.56
1:F:280:THR:CG2	1:G:114:TYR:CD1	1.80	1.56
1:J:40:LEU:HD11	1:J:64:THR:CG2	1.14	1.55
1:D:40:LEU:HD11	1:D:64:THR:CG2	1.14	1.55
1:D:277:ALA:C	1:E:119:VAL:CA	1.74	1.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:40:LEU:HD11	1:H:64:THR:CG2	1.14	1.55
1:I:119:VAL:CA	1:J:277:ALA:C	1.74	1.55
1:O:114:TYR:CD1	1:P:280:THR:CG2	1.80	1.55
1:K:601:UNK:C	1:K:601:UNK:CA	1.84	1.55
1:N:40:LEU:HD11	1:N:64:THR:CG2	1.14	1.54
1:A:601:UNK:C	1:A:601:UNK:CA	1.84	1.54
1:C:601:UNK:C	1:C:601:UNK:CA	1.84	1.54
1:G:40:LEU:HD11	1:G:64:THR:CG2	1.14	1.54
1:O:40:LEU:HD11	1:O:64:THR:CG2	1.14	1.54
1:E:40:LEU:HD11	1:E:64:THR:CG2	1.14	1.54
1:M:601:UNK:C	1:M:601:UNK:CA	1.84	1.54
1:K:40:LEU:HD11	1:K:64:THR:CG2	1.14	1.54
1:P:601:UNK:C	1:P:601:UNK:CA	1.84	1.54
1:C:277:ALA:C	1:D:119:VAL:CA	1.74	1.54
1:F:601:UNK:C	1:F:601:UNK:CA	1.84	1.54
1:H:601:UNK:C	1:H:601:UNK:CA	1.84	1.54
1:I:40:LEU:HD11	1:I:64:THR:CG2	1.14	1.54
1:I:280:THR:CG2	1:P:114:TYR:CD1	1.80	1.54
1:J:119:VAL:CA	1:K:277:ALA:C	1.74	1.54
1:N:601:UNK:C	1:N:601:UNK:CA	1.84	1.54
1:C:40:LEU:HD11	1:C:64:THR:CG2	1.14	1.53
1:E:280:THR:CG2	1:F:114:TYR:CD1	1.80	1.53
1:A:277:ALA:C	1:B:119:VAL:CA	1.74	1.53
1:L:119:VAL:CA	1:M:277:ALA:C	1.74	1.53
1:D:601:UNK:C	1:D:601:UNK:CA	1.84	1.52
1:E:601:UNK:CA	1:E:601:UNK:C	1.84	1.52
1:J:601:UNK:C	1:J:601:UNK:CA	1.84	1.52
1:B:277:ALA:C	1:C:119:VAL:CA	1.74	1.51
1:I:601:UNK:CA	1:I:601:UNK:C	1.84	1.51
1:K:119:VAL:CA	1:L:277:ALA:C	1.74	1.51
1:O:119:VAL:CA	1:P:277:ALA:C	1.74	1.51
1:E:277:ALA:C	1:F:119:VAL:CA	1.74	1.50
1:I:277:ALA:C	1:P:119:VAL:CA	1.74	1.50
1:N:119:VAL:CA	1:O:277:ALA:C	1.74	1.50
1:F:277:ALA:C	1:G:119:VAL:CA	1.74	1.50
1:G:601:UNK:C	1:G:601:UNK:CA	1.84	1.50
1:L:40:LEU:CD1	1:L:64:THR:HG21	1.41	1.50
1:O:601:UNK:C	1:O:601:UNK:CA	1.84	1.50
1:B:40:LEU:CD1	1:B:64:THR:HG21	1.41	1.50
1:G:277:ALA:C	1:H:119:VAL:CA	1.74	1.50
1:J:40:LEU:CD1	1:J:64:THR:HG21	1.41	1.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:40:LEU:CD1	1:D:64:THR:HG21	1.41	1.49
1:A:119:VAL:CA	1:H:277:ALA:C	1.74	1.49
1:A:40:LEU:CD1	1:A:64:THR:HG21	1.41	1.48
1:C:40:LEU:CD1	1:C:64:THR:HG21	1.41	1.48
1:M:40:LEU:CD1	1:M:64:THR:HG21	1.41	1.48
1:A:112:ARG:NH2	1:H:229:ARG:NH2	1.61	1.48
1:A:280:THR:CG2	1:B:114:TYR:CE1	1.94	1.48
1:K:40:LEU:CD1	1:K:64:THR:HG21	1.41	1.48
1:M:119:VAL:CA	1:N:277:ALA:C	1.74	1.48
1:A:229:ARG:NH2	1:B:112:ARG:NH2	1.62	1.48
1:L:112:ARG:NH2	1:M:229:ARG:NH2	1.62	1.48
1:M:112:ARG:NH2	1:N:229:ARG:NH2	1.61	1.48
1:L:114:TYR:CE1	1:M:280:THR:CG2	1.94	1.48
1:F:40:LEU:CD1	1:F:64:THR:HG21	1.41	1.47
1:P:40:LEU:CD1	1:P:64:THR:HG21	1.41	1.47
1:G:229:ARG:NH2	1:H:112:ARG:NH2	1.62	1.47
1:A:32:VAL:O	1:A:36:PRO:CG	1.63	1.47
1:M:32:VAL:O	1:M:36:PRO:CG	1.63	1.47
1:N:40:LEU:CD1	1:N:64:THR:HG21	1.41	1.47
1:O:112:ARG:NH2	1:P:229:ARG:NH2	1.61	1.47
1:A:114:TYR:CE1	1:H:280:THR:CG2	1.94	1.46
1:B:32:VAL:O	1:B:36:PRO:CG	1.63	1.46
1:H:40:LEU:CD1	1:H:64:THR:HG21	1.41	1.46
1:N:112:ARG:NH2	1:O:229:ARG:NH2	1.62	1.46
1:L:32:VAL:O	1:L:36:PRO:CG	1.63	1.46
1:O:40:LEU:CD1	1:O:64:THR:HG21	1.41	1.46
1:E:32:VAL:O	1:E:36:PRO:CG	1.63	1.46
1:F:229:ARG:NH2	1:G:112:ARG:NH2	1.61	1.46
1:I:229:ARG:NH2	1:P:112:ARG:NH2	1.62	1.46
1:A:219:LEU:HD11	1:B:197:GLN:NE2	1.15	1.46
1:E:229:ARG:NH2	1:F:112:ARG:NH2	1.62	1.46
1:G:40:LEU:CD1	1:G:64:THR:HG21	1.41	1.46
1:I:32:VAL:O	1:I:36:PRO:CG	1.63	1.46
1:L:197:GLN:NE2	1:M:219:LEU:HD11	1.15	1.46
1:M:114:TYR:CE1	1:N:280:THR:CG2	1.94	1.46
1:E:40:LEU:CD1	1:E:64:THR:HG21	1.41	1.46
1:F:32:VAL:O	1:F:36:PRO:CG	1.63	1.46
1:I:40:LEU:CD1	1:I:64:THR:HG21	1.41	1.46
1:N:32:VAL:O	1:N:36:PRO:CG	1.63	1.46
1:H:32:VAL:O	1:H:36:PRO:CG	1.63	1.45
1:P:32:VAL:O	1:P:36:PRO:CG	1.63	1.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:VAL:O	1:C:36:PRO:CG	1.63	1.45
1:D:32:VAL:O	1:D:36:PRO:CG	1.63	1.45
1:J:32:VAL:O	1:J:36:PRO:CG	1.63	1.45
1:K:32:VAL:O	1:K:36:PRO:CG	1.63	1.45
1:E:280:THR:CG2	1:F:114:TYR:CE1	1.94	1.45
1:G:280:THR:CG2	1:H:114:TYR:CE1	1.94	1.45
1:F:280:THR:CG2	1:G:114:TYR:CE1	1.94	1.44
1:I:280:THR:CG2	1:P:114:TYR:CE1	1.94	1.44
1:K:112:ARG:NH2	1:L:229:ARG:NH2	1.61	1.44
1:B:229:ARG:NH2	1:C:112:ARG:NH2	1.61	1.44
1:D:280:THR:CG2	1:E:114:TYR:CE1	1.94	1.44
1:N:114:TYR:CE1	1:O:280:THR:CG2	1.94	1.44
1:B:219:LEU:HD11	1:C:197:GLN:NE2	1.15	1.44
1:O:114:TYR:CE1	1:P:280:THR:CG2	1.94	1.44
1:D:219:LEU:HD11	1:E:197:GLN:NE2	1.15	1.43
1:J:197:GLN:NE2	1:K:219:LEU:HD11	1.15	1.43
1:I:114:TYR:CE1	1:J:280:THR:CG2	1.94	1.43
1:I:197:GLN:NE2	1:J:219:LEU:HD11	1.15	1.43
1:K:197:GLN:NE2	1:L:219:LEU:HD11	1.15	1.43
1:G:32:VAL:O	1:G:36:PRO:CG	1.63	1.43
1:C:219:LEU:HD11	1:D:197:GLN:NE2	1.15	1.43
1:O:32:VAL:O	1:O:36:PRO:CG	1.63	1.43
1:D:229:ARG:NH2	1:E:112:ARG:NH2	1.61	1.43
1:I:112:ARG:NH2	1:J:229:ARG:NH2	1.61	1.43
1:O:197:GLN:NE2	1:P:219:LEU:HD11	1.15	1.42
1:F:219:LEU:HD11	1:G:197:GLN:NE2	1.15	1.42
1:C:229:ARG:NH2	1:D:112:ARG:NH2	1.62	1.41
1:J:112:ARG:NH2	1:K:229:ARG:NH2	1.62	1.41
1:G:219:LEU:HD11	1:H:197:GLN:NE2	1.15	1.40
1:N:197:GLN:NE2	1:O:219:LEU:HD11	1.15	1.40
1:C:280:THR:CG2	1:D:114:TYR:CE1	1.94	1.40
1:M:197:GLN:NE2	1:N:219:LEU:HD11	1.15	1.39
1:J:114:TYR:CE1	1:K:280:THR:CG2	1.94	1.39
1:A:197:GLN:NE2	1:H:219:LEU:HD11	1.15	1.39
1:E:219:LEU:HD11	1:F:197:GLN:NE2	1.15	1.37
1:I:219:LEU:HD11	1:P:197:GLN:NE2	1.15	1.36
1:B:87:PHE:HB2	1:J:19:PHE:CE2	1.61	1.35
1:D:19:PHE:CE2	1:L:87:PHE:HB2	1.61	1.35
1:B:19:PHE:CE2	1:J:87:PHE:HB2	1.61	1.35
1:D:87:PHE:HB2	1:L:19:PHE:CE2	1.61	1.35
1:E:19:PHE:CE2	1:M:87:PHE:HB2	1.61	1.34

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:87:PHE:HB2	1:P:19:PHE:CE2	1.61	1.34
1:A:87:PHE:HB2	1:I:19:PHE:CE2	1.61	1.34
1:F:19:PHE:CE2	1:N:87:PHE:HB2	1.61	1.34
1:A:87:PHE:HB2	1:I:19:PHE:CZ	1.63	1.34
1:F:87:PHE:HB2	1:N:19:PHE:CE2	1.61	1.34
1:H:19:PHE:CE2	1:P:87:PHE:HB2	1.61	1.34
1:B:280:THR:CG2	1:C:114:TYR:CE1	1.94	1.33
1:E:19:PHE:CZ	1:M:87:PHE:HB2	1.63	1.33
1:H:87:PHE:HB2	1:P:19:PHE:CZ	1.63	1.33
1:B:87:PHE:HB2	1:J:19:PHE:CZ	1.63	1.33
1:C:87:PHE:HB2	1:K:19:PHE:CE2	1.61	1.33
1:E:87:PHE:HB2	1:M:19:PHE:CE2	1.61	1.33
1:F:19:PHE:CZ	1:N:87:PHE:HB2	1.63	1.33
1:C:19:PHE:CE2	1:K:87:PHE:HB2	1.61	1.33
1:D:19:PHE:CZ	1:L:87:PHE:HB2	1.63	1.33
1:A:19:PHE:CE2	1:I:87:PHE:HB2	1.61	1.33
1:G:87:PHE:HB2	1:O:19:PHE:CZ	1.63	1.33
1:K:114:TYR:CE1	1:L:280:THR:CG2	1.94	1.33
1:G:19:PHE:CZ	1:O:87:PHE:HB2	1.63	1.33
1:I:277:ALA:O	1:P:119:VAL:HA	1.17	1.33
1:B:19:PHE:CZ	1:J:87:PHE:HB2	1.63	1.32
1:C:19:PHE:CZ	1:K:87:PHE:HB2	1.63	1.32
1:C:87:PHE:HB2	1:K:19:PHE:CZ	1.63	1.32
1:D:87:PHE:HB2	1:L:19:PHE:CZ	1.63	1.32
1:G:19:PHE:CE2	1:O:87:PHE:HB2	1.61	1.32
1:G:87:PHE:HB2	1:O:19:PHE:CE2	1.61	1.32
1:G:277:ALA:O	1:H:119:VAL:HA	1.17	1.32
1:E:277:ALA:O	1:F:119:VAL:HA	1.17	1.32
1:N:119:VAL:HA	1:O:277:ALA:O	1.17	1.32
1:A:19:PHE:CZ	1:I:87:PHE:HB2	1.63	1.31
1:E:87:PHE:HB2	1:M:19:PHE:CZ	1.63	1.31
1:F:87:PHE:HB2	1:N:19:PHE:CZ	1.63	1.31
1:H:19:PHE:CZ	1:P:87:PHE:HB2	1.63	1.31
1:D:277:ALA:O	1:E:119:VAL:HA	1.17	1.31
1:I:119:VAL:HA	1:J:277:ALA:O	1.17	1.30
1:I:40:LEU:CD1	1:I:64:THR:CG2	2.03	1.30
1:F:40:LEU:CD1	1:F:64:THR:CG2	2.03	1.30
1:J:40:LEU:CD1	1:J:64:THR:CG2	2.03	1.30
1:E:40:LEU:CD1	1:E:64:THR:CG2	2.03	1.30
1:D:40:LEU:CD1	1:D:64:THR:CG2	2.03	1.29
1:F:277:ALA:O	1:G:119:VAL:HA	1.17	1.27

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:40:LEU:CD1	1:K:64:THR:CG2	2.03	1.27
1:E:278:ALA:N	1:F:119:VAL:HG22	1.50	1.27
1:I:278:ALA:N	1:P:119:VAL:HG22	1.50	1.27
1:L:119:VAL:HA	1:M:277:ALA:O	1.17	1.27
1:A:277:ALA:O	1:B:119:VAL:HA	1.17	1.27
1:C:40:LEU:CD1	1:C:64:THR:CG2	2.03	1.27
1:O:119:VAL:HA	1:P:277:ALA:O	1.17	1.27
1:B:277:ALA:O	1:C:119:VAL:HA	1.17	1.26
1:G:278:ALA:N	1:H:119:VAL:HG22	1.50	1.26
1:K:119:VAL:HA	1:L:277:ALA:O	1.17	1.26
1:N:119:VAL:HG22	1:O:278:ALA:N	1.50	1.26
1:N:40:LEU:CD1	1:N:64:THR:CG2	2.03	1.26
1:H:40:LEU:CD1	1:H:64:THR:CG2	2.03	1.26
1:C:278:ALA:N	1:D:119:VAL:HG22	1.50	1.25
1:J:119:VAL:HG22	1:K:278:ALA:N	1.50	1.25
1:F:278:ALA:N	1:G:119:VAL:HG22	1.50	1.25
1:I:119:VAL:HG22	1:J:278:ALA:N	1.50	1.25
1:L:119:VAL:HG22	1:M:278:ALA:N	1.50	1.25
1:A:119:VAL:HG22	1:H:278:ALA:N	1.50	1.24
1:A:278:ALA:N	1:B:119:VAL:HG22	1.50	1.24
1:D:278:ALA:N	1:E:119:VAL:HG22	1.50	1.24
1:O:119:VAL:HG22	1:P:278:ALA:N	1.50	1.24
1:P:32:VAL:O	1:P:36:PRO:HG2	1.08	1.24
1:M:119:VAL:HG22	1:N:278:ALA:N	1.50	1.24
1:O:32:VAL:O	1:O:36:PRO:HG2	1.08	1.24
1:F:32:VAL:O	1:F:36:PRO:HG2	1.08	1.24
1:G:32:VAL:O	1:G:36:PRO:HG2	1.08	1.24
1:I:32:VAL:O	1:I:36:PRO:HG2	1.08	1.24
1:E:32:VAL:O	1:E:36:PRO:HG2	1.08	1.23
1:L:40:LEU:CD1	1:L:64:THR:CG2	2.03	1.23
1:O:119:VAL:HA	1:P:277:ALA:CA	1.65	1.23
1:B:278:ALA:N	1:C:119:VAL:HG22	1.50	1.23
1:F:277:ALA:CA	1:G:119:VAL:HA	1.65	1.23
1:K:119:VAL:HG22	1:L:278:ALA:N	1.50	1.23
1:B:40:LEU:CD1	1:B:64:THR:CG2	2.03	1.23
1:M:119:VAL:C	1:N:277:ALA:HB1	1.37	1.23
1:M:119:VAL:HA	1:N:277:ALA:O	1.17	1.23
1:N:32:VAL:O	1:N:36:PRO:HG2	1.08	1.23
1:A:119:VAL:HA	1:H:277:ALA:O	1.17	1.22
1:H:32:VAL:O	1:H:36:PRO:HG2	1.08	1.22
1:G:277:ALA:CA	1:H:119:VAL:HA	1.65	1.22

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:119:VAL:HA	1:O:277:ALA:CA	1.65	1.22
1:O:40:LEU:CD1	1:O:64:THR:CG2	2.03	1.22
1:A:119:VAL:C	1:H:277:ALA:HB1	1.37	1.22
1:D:277:ALA:CA	1:E:119:VAL:HA	1.65	1.22
1:I:119:VAL:HA	1:J:277:ALA:CA	1.65	1.22
1:C:277:ALA:O	1:D:119:VAL:HA	1.17	1.22
1:D:32:VAL:O	1:D:36:PRO:HG2	1.08	1.22
1:G:40:LEU:CD1	1:G:64:THR:CG2	2.03	1.22
1:J:32:VAL:O	1:J:36:PRO:HG2	1.08	1.22
1:I:277:ALA:HB1	1:P:119:VAL:C	1.37	1.21
1:J:119:VAL:HA	1:K:277:ALA:O	1.17	1.21
1:E:277:ALA:HB1	1:F:119:VAL:C	1.37	1.20
1:I:277:ALA:CA	1:P:119:VAL:HA	1.65	1.20
1:K:32:VAL:O	1:K:36:PRO:HG2	1.08	1.20
1:M:32:VAL:O	1:M:36:PRO:HG2	1.08	1.20
1:A:32:VAL:O	1:A:36:PRO:HG2	1.08	1.20
1:B:32:VAL:O	1:B:36:PRO:HG2	1.08	1.20
1:E:277:ALA:CA	1:F:119:VAL:HA	1.65	1.20
1:C:32:VAL:O	1:C:36:PRO:HG2	1.08	1.20
1:L:32:VAL:O	1:L:36:PRO:HG2	1.08	1.19
1:M:40:LEU:CD1	1:M:64:THR:CG2	2.03	1.19
1:A:40:LEU:CD1	1:A:64:THR:CG2	2.03	1.19
1:J:119:VAL:HA	1:K:277:ALA:CA	1.65	1.19
1:A:298:LYS:HD2	1:A:312:LEU:HD23	1.26	1.18
1:M:298:LYS:HD2	1:M:312:LEU:HD23	1.26	1.18
1:B:298:LYS:HD2	1:B:312:LEU:HD23	1.26	1.18
1:C:277:ALA:CA	1:D:119:VAL:HA	1.65	1.18
1:L:119:VAL:HA	1:M:277:ALA:CA	1.65	1.18
1:L:298:LYS:HD2	1:L:312:LEU:HD23	1.26	1.18
1:M:119:VAL:HA	1:N:277:ALA:CA	1.65	1.18
1:P:40:LEU:HD21	1:P:48:ILE:HD11	1.19	1.18
1:A:119:VAL:HA	1:H:277:ALA:CA	1.65	1.18
1:A:277:ALA:CA	1:B:119:VAL:HA	1.65	1.18
1:F:40:LEU:HD21	1:F:48:ILE:HD11	1.19	1.18
1:K:298:LYS:HD2	1:K:312:LEU:HD23	1.26	1.18
1:O:40:LEU:HD21	1:O:48:ILE:HD11	1.19	1.18
1:B:277:ALA:CA	1:C:119:VAL:HA	1.65	1.17
1:C:298:LYS:HD2	1:C:312:LEU:HD23	1.26	1.17
1:D:309:PRO:HA	1:D:312:LEU:HD13	1.23	1.17
1:E:125:VAL:HB	1:E:297:VAL:HA	1.24	1.17
1:G:40:LEU:HD21	1:G:48:ILE:HD11	1.19	1.17

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:179:PHE:HB2	1:G:242:LEU:HD22	1.26	1.17
1:K:119:VAL:HA	1:L:277:ALA:CA	1.65	1.17
1:L:3:PHE:HE2	1:M:141:LEU:HG	1.09	1.17
1:O:179:PHE:HB2	1:O:242:LEU:HD22	1.26	1.17
1:A:141:LEU:HG	1:B:3:PHE:HE2	1.09	1.17
1:I:125:VAL:HB	1:I:297:VAL:HA	1.24	1.17
1:I:179:PHE:HB2	1:I:242:LEU:HD22	1.26	1.17
1:O:309:PRO:HA	1:O:312:LEU:HD13	1.23	1.17
1:A:179:PHE:HB2	1:A:242:LEU:HD22	1.26	1.17
1:E:179:PHE:HB2	1:E:242:LEU:HD22	1.26	1.17
1:J:309:PRO:HA	1:J:312:LEU:HD13	1.23	1.17
1:K:40:LEU:CD2	1:K:48:ILE:HD11	1.75	1.17
1:M:179:PHE:HB2	1:M:242:LEU:HD22	1.26	1.17
1:A:40:LEU:CD2	1:A:48:ILE:HD11	1.75	1.16
1:C:40:LEU:CD2	1:C:48:ILE:HD11	1.75	1.16
1:H:298:LYS:HD2	1:H:312:LEU:HD23	1.26	1.16
1:M:40:LEU:CD2	1:M:48:ILE:HD11	1.75	1.16
1:A:3:PHE:HE2	1:H:141:LEU:HG	1.09	1.16
1:D:40:LEU:CD2	1:D:48:ILE:HD11	1.75	1.16
1:G:309:PRO:HA	1:G:312:LEU:HD13	1.23	1.16
1:N:40:LEU:HD21	1:N:48:ILE:HD11	1.19	1.16
1:B:219:LEU:CD1	1:C:197:GLN:NE2	2.09	1.16
1:C:219:LEU:CD1	1:D:197:GLN:NE2	2.09	1.16
1:E:40:LEU:HD21	1:E:48:ILE:HD11	1.19	1.16
1:G:277:ALA:C	1:H:119:VAL:HA	0.78	1.16
1:I:40:LEU:HD21	1:I:48:ILE:HD11	1.19	1.16
1:J:40:LEU:CD2	1:J:48:ILE:HD11	1.75	1.16
1:J:197:GLN:NE2	1:K:219:LEU:CD1	2.09	1.16
1:K:197:GLN:NE2	1:L:219:LEU:CD1	2.09	1.16
1:M:3:PHE:HE2	1:N:141:LEU:HG	1.09	1.16
1:N:119:VAL:HA	1:O:277:ALA:C	0.78	1.16
1:N:298:LYS:HD2	1:N:312:LEU:HD23	1.26	1.16
1:M:119:VAL:HA	1:N:277:ALA:C	0.78	1.16
1:A:119:VAL:HA	1:H:277:ALA:C	0.78	1.16
1:A:197:GLN:NE2	1:H:219:LEU:CD1	2.09	1.16
1:F:277:ALA:C	1:G:119:VAL:HA	0.78	1.16
1:H:40:LEU:HD21	1:H:48:ILE:HD11	1.19	1.16
1:I:119:VAL:C	1:J:277:ALA:HB1	1.37	1.16
1:M:197:GLN:NE2	1:N:219:LEU:CD1	2.09	1.16
1:O:119:VAL:HA	1:P:277:ALA:C	0.78	1.16
1:K:3:PHE:HE2	1:L:141:LEU:HG	1.09	1.15

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:40:LEU:CD2	1:N:48:ILE:HD11	1.75	1.15
1:B:309:PRO:HA	1:B:312:LEU:HD13	1.23	1.15
1:F:40:LEU:CD2	1:F:48:ILE:HD11	1.75	1.15
1:F:219:LEU:CD1	1:G:197:GLN:NE2	2.09	1.15
1:H:40:LEU:CD2	1:H:48:ILE:HD11	1.75	1.15
1:J:125:VAL:HB	1:J:297:VAL:HA	1.24	1.15
1:P:40:LEU:CD2	1:P:48:ILE:HD11	1.75	1.15
1:A:219:LEU:CD1	1:B:197:GLN:NE2	2.09	1.15
1:C:277:ALA:C	1:D:119:VAL:HA	0.78	1.15
1:E:277:ALA:C	1:F:119:VAL:HA	0.78	1.15
1:J:119:VAL:HA	1:K:277:ALA:C	0.78	1.15
1:J:298:LYS:HD2	1:J:312:LEU:HD23	1.26	1.15
1:L:119:VAL:HA	1:M:277:ALA:C	0.78	1.15
1:M:309:PRO:HA	1:M:312:LEU:HD13	1.23	1.15
1:O:197:GLN:NE2	1:P:219:LEU:CD1	2.09	1.15
1:P:40:LEU:CD1	1:P:64:THR:CG2	2.03	1.15
1:A:277:ALA:C	1:B:119:VAL:HA	0.78	1.15
1:B:40:LEU:CD2	1:B:48:ILE:HD11	1.75	1.15
1:B:141:LEU:HG	1:C:3:PHE:HE2	1.09	1.15
1:B:277:ALA:C	1:C:119:VAL:HA	0.78	1.15
1:D:277:ALA:HB1	1:E:119:VAL:C	1.37	1.15
1:H:309:PRO:HA	1:H:312:LEU:HD13	1.23	1.15
1:I:277:ALA:C	1:P:119:VAL:HA	0.78	1.15
1:K:119:VAL:HA	1:L:277:ALA:C	0.78	1.15
1:L:197:GLN:NE2	1:M:219:LEU:CD1	2.09	1.15
1:L:119:VAL:C	1:M:277:ALA:HB1	1.37	1.15
1:L:309:PRO:HA	1:L:312:LEU:HD13	1.23	1.15
1:A:277:ALA:HB1	1:B:119:VAL:C	1.37	1.14
1:A:309:PRO:HA	1:A:312:LEU:HD13	1.23	1.14
1:D:125:VAL:HB	1:D:297:VAL:HA	1.24	1.14
1:D:277:ALA:C	1:E:119:VAL:HA	0.78	1.14
1:D:298:LYS:HD2	1:D:312:LEU:HD23	1.26	1.14
1:I:40:LEU:CD2	1:I:48:ILE:HD11	1.75	1.14
1:I:119:VAL:HA	1:J:277:ALA:C	0.78	1.14
1:K:309:PRO:HA	1:K:312:LEU:HD13	1.23	1.14
1:L:40:LEU:CD2	1:L:48:ILE:HD11	1.75	1.14
1:N:119:VAL:C	1:O:277:ALA:HB1	1.37	1.14
1:E:40:LEU:CD2	1:E:48:ILE:HD11	1.75	1.14
1:E:219:LEU:CD1	1:F:197:GLN:NE2	2.09	1.14
1:G:40:LEU:CD2	1:G:48:ILE:HD11	1.75	1.14
1:I:197:GLN:NE2	1:J:219:LEU:CD1	2.09	1.14

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:219:LEU:CD1	1:P:197:GLN:NE2	2.09	1.14
1:D:219:LEU:CD1	1:E:197:GLN:NE2	2.09	1.14
1:F:309:PRO:HA	1:F:312:LEU:HD13	1.23	1.14
1:N:309:PRO:HA	1:N:312:LEU:HD13	1.23	1.14
1:O:40:LEU:CD2	1:O:48:ILE:HD11	1.75	1.14
1:G:277:ALA:HB1	1:H:119:VAL:C	1.37	1.14
1:I:309:PRO:HA	1:I:312:LEU:HD13	1.23	1.14
1:B:125:VAL:HB	1:B:297:VAL:HA	1.24	1.13
1:C:309:PRO:HA	1:C:312:LEU:HD13	1.23	1.13
1:P:309:PRO:HA	1:P:312:LEU:HD13	1.23	1.13
1:G:141:LEU:HG	1:H:3:PHE:HE2	1.09	1.13
1:J:3:PHE:HE2	1:K:141:LEU:HG	1.09	1.13
1:L:125:VAL:HB	1:L:297:VAL:HA	1.24	1.13
1:N:197:GLN:NE2	1:O:219:LEU:CD1	2.09	1.13
1:E:309:PRO:HA	1:E:312:LEU:HD13	1.23	1.13
1:G:219:LEU:CD1	1:H:197:GLN:NE2	2.09	1.13
1:E:298:LYS:HD2	1:E:312:LEU:HD23	1.26	1.13
1:C:141:LEU:HG	1:D:3:PHE:HE2	1.09	1.12
1:C:179:PHE:HB2	1:C:242:LEU:HD22	1.26	1.12
1:K:179:PHE:HB2	1:K:242:LEU:HD22	1.26	1.13
1:N:3:PHE:HE2	1:O:141:LEU:HG	1.09	1.13
1:I:298:LYS:HD2	1:I:312:LEU:HD23	1.26	1.12
1:J:119:VAL:C	1:K:277:ALA:HB1	1.37	1.12
1:C:125:VAL:HB	1:C:297:VAL:HA	1.24	1.12
1:D:40:LEU:HD21	1:D:48:ILE:HD11	1.19	1.12
1:M:40:LEU:HD21	1:M:48:ILE:HD11	1.19	1.12
1:P:298:LYS:HD2	1:P:312:LEU:HD23	1.26	1.12
1:A:40:LEU:HD21	1:A:48:ILE:HD11	1.19	1.12
1:C:277:ALA:HB1	1:D:119:VAL:C	1.37	1.12
1:F:298:LYS:HD2	1:F:312:LEU:HD23	1.26	1.12
1:G:298:LYS:HD2	1:G:312:LEU:HD23	1.26	1.12
1:H:40:LEU:CD2	1:H:48:ILE:CD1	2.28	1.12
1:A:40:LEU:CD2	1:A:48:ILE:CD1	2.28	1.11
1:E:40:LEU:CD2	1:E:48:ILE:CD1	2.28	1.11
1:I:40:LEU:CD2	1:I:48:ILE:CD1	2.28	1.11
1:J:40:LEU:HD21	1:J:48:ILE:HD11	1.19	1.11
1:M:40:LEU:CD2	1:M:48:ILE:CD1	2.28	1.11
1:N:40:LEU:CD2	1:N:48:ILE:CD1	2.28	1.11
1:P:40:LEU:CD2	1:P:48:ILE:CD1	2.28	1.11
1:F:40:LEU:CD2	1:F:48:ILE:CD1	2.28	1.11
1:G:40:LEU:CD2	1:G:48:ILE:CD1	2.28	1.11

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:148:LEU:HD11	1:H:253:TRP:HH2	1.16	1.11
1:K:125:VAL:HB	1:K:297:VAL:HA	1.24	1.11
1:O:298:LYS:HD2	1:O:312:LEU:HD23	1.26	1.11
1:N:148:LEU:HD11	1:N:253:TRP:HH2	1.16	1.11
1:O:40:LEU:CD2	1:O:48:ILE:CD1	2.28	1.11
1:B:40:LEU:HD21	1:B:48:ILE:HD11	1.19	1.11
1:D:40:LEU:CD2	1:D:48:ILE:CD1	2.28	1.11
1:J:40:LEU:CD2	1:J:48:ILE:CD1	2.28	1.11
1:L:40:LEU:CD2	1:L:48:ILE:CD1	2.28	1.11
1:A:148:LEU:HD11	1:A:253:TRP:HH2	1.16	1.10
1:I:3:PHE:HE2	1:J:141:LEU:HG	1.09	1.10
1:L:40:LEU:HD21	1:L:48:ILE:HD11	1.19	1.10
1:M:148:LEU:HD11	1:M:253:TRP:HH2	1.16	1.10
1:N:179:PHE:HB2	1:N:242:LEU:HD22	1.26	1.10
1:F:141:LEU:HG	1:G:3:PHE:HE2	1.09	1.10
1:K:119:VAL:C	1:L:277:ALA:HB1	1.37	1.10
1:C:40:LEU:CD2	1:C:48:ILE:CD1	2.28	1.10
1:G:148:LEU:HD11	1:G:253:TRP:HH2	1.16	1.10
1:B:40:LEU:CD2	1:B:48:ILE:CD1	2.28	1.10
1:D:141:LEU:HG	1:E:3:PHE:HE2	1.09	1.10
1:F:125:VAL:HB	1:F:297:VAL:HA	1.24	1.10
1:K:40:LEU:CD2	1:K:48:ILE:CD1	2.28	1.10
1:K:40:LEU:HD21	1:K:48:ILE:HD11	1.19	1.10
1:B:277:ALA:HB1	1:C:119:VAL:C	1.37	1.10
1:C:40:LEU:HD21	1:C:48:ILE:HD11	1.19	1.10
1:F:179:PHE:HB2	1:F:242:LEU:HD22	1.26	1.10
1:H:125:VAL:HB	1:H:297:VAL:HA	1.24	1.10
1:H:179:PHE:HB2	1:H:242:LEU:HD22	1.26	1.10
1:L:148:LEU:HD11	1:L:253:TRP:HH2	1.16	1.10
1:N:125:VAL:HB	1:N:297:VAL:HA	1.24	1.10
1:O:3:PHE:HE2	1:P:141:LEU:HG	1.09	1.10
1:O:148:LEU:HD11	1:O:253:TRP:HH2	1.16	1.10
1:B:148:LEU:HD11	1:B:253:TRP:HH2	1.16	1.09
1:M:125:VAL:HB	1:M:297:VAL:HA	1.24	1.09
1:A:125:VAL:HB	1:A:297:VAL:HA	1.24	1.09
1:P:125:VAL:HB	1:P:297:VAL:HA	1.24	1.09
1:K:148:LEU:HD11	1:K:253:TRP:HH2	1.16	1.09
1:L:179:PHE:HB2	1:L:242:LEU:HD22	1.26	1.09
1:P:179:PHE:HB2	1:P:242:LEU:HD22	1.26	1.09
1:C:148:LEU:HD11	1:C:253:TRP:HH2	1.16	1.09
1:E:141:LEU:HG	1:F:3:PHE:HE2	1.09	1.08

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:360:LEU:HD21	1:G:405:LEU:HD13	1.34	1.08
1:B:179:PHE:HB2	1:B:242:LEU:HD22	1.26	1.08
1:I:286:ASP:HA	1:I:287:HIS:HB2	1.36	1.08
1:I:360:LEU:HD21	1:I:405:LEU:HD13	1.34	1.08
1:O:360:LEU:HD21	1:O:405:LEU:HD13	1.34	1.08
1:C:32:VAL:O	1:C:36:PRO:CD	2.02	1.08
1:D:32:VAL:O	1:D:36:PRO:CD	2.02	1.08
1:D:179:PHE:HB2	1:D:242:LEU:HD22	1.26	1.08
1:E:286:ASP:HA	1:E:287:HIS:HB2	1.36	1.08
1:E:360:LEU:HD21	1:E:405:LEU:HD13	1.34	1.08
1:F:360:LEU:HD21	1:F:405:LEU:HD13	1.35	1.08
1:I:32:VAL:O	1:I:36:PRO:CD	2.02	1.08
1:J:32:VAL:O	1:J:36:PRO:CD	2.02	1.08
1:K:32:VAL:O	1:K:36:PRO:CD	2.02	1.08
1:M:286:ASP:HA	1:M:287:HIS:HB2	1.36	1.08
1:A:119:VAL:HG22	1:H:278:ALA:CA	1.84	1.08
1:A:286:ASP:HA	1:A:287:HIS:HB2	1.36	1.08
1:E:32:VAL:O	1:E:36:PRO:CD	2.02	1.08
1:L:286:ASP:HA	1:L:287:HIS:HB2	1.36	1.08
1:M:119:VAL:HG22	1:N:278:ALA:CA	1.84	1.08
1:B:286:ASP:HA	1:B:287:HIS:HB2	1.36	1.08
1:F:148:LEU:HD11	1:F:253:TRP:HH2	1.16	1.08
1:F:277:ALA:HA	1:G:119:VAL:O	1.54	1.08
1:I:141:LEU:HG	1:P:3:PHE:HE2	1.09	1.08
1:M:119:VAL:O	1:N:277:ALA:HA	1.54	1.08
1:O:119:VAL:O	1:P:277:ALA:HA	1.54	1.08
1:P:360:LEU:HD21	1:P:405:LEU:HD13	1.35	1.08
1:A:119:VAL:O	1:H:277:ALA:HA	1.54	1.07
1:D:286:ASP:HA	1:D:287:HIS:HB2	1.36	1.07
1:E:277:ALA:HA	1:F:119:VAL:O	1.54	1.07
1:J:148:LEU:HD11	1:J:253:TRP:HH2	1.16	1.07
1:P:32:VAL:O	1:P:36:PRO:CD	2.02	1.07
1:P:286:ASP:HA	1:P:287:HIS:HB2	1.36	1.07
1:B:32:VAL:O	1:B:36:PRO:CD	2.02	1.07
1:F:32:VAL:O	1:F:36:PRO:CD	2.02	1.07
1:F:286:ASP:HA	1:F:287:HIS:HB2	1.36	1.07
1:G:125:VAL:HB	1:G:297:VAL:HA	1.24	1.07
1:I:277:ALA:HA	1:P:119:VAL:O	1.54	1.07
1:J:179:PHE:HB2	1:J:242:LEU:HD22	1.26	1.07
1:J:286:ASP:HA	1:J:287:HIS:HB2	1.36	1.07
1:K:119:VAL:O	1:L:277:ALA:HA	1.54	1.07

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:32:VAL:O	1:L:36:PRO:CD	2.02	1.07
1:O:125:VAL:HB	1:O:297:VAL:HA	1.24	1.07
1:A:278:ALA:CA	1:B:119:VAL:HG22	1.84	1.07
1:B:277:ALA:HA	1:C:119:VAL:O	1.54	1.07
1:D:277:ALA:HA	1:E:119:VAL:O	1.54	1.07
1:D:360:LEU:HD21	1:D:405:LEU:HD13	1.35	1.07
1:I:119:VAL:O	1:J:277:ALA:HA	1.54	1.07
1:J:360:LEU:HD21	1:J:405:LEU:HD13	1.35	1.07
1:K:119:VAL:HG22	1:L:278:ALA:CA	1.84	1.07
1:P:148:LEU:HD11	1:P:253:TRP:HH2	1.16	1.07
1:B:278:ALA:CA	1:C:119:VAL:HG22	1.84	1.07
1:D:148:LEU:HD11	1:D:253:TRP:HH2	1.16	1.07
1:H:286:ASP:HA	1:H:287:HIS:HB2	1.36	1.07
1:L:119:VAL:HG22	1:M:278:ALA:CA	1.84	1.07
1:C:286:ASP:HA	1:C:287:HIS:HB2	1.36	1.07
1:F:278:ALA:CA	1:G:119:VAL:HG22	1.84	1.07
1:N:286:ASP:HA	1:N:287:HIS:HB2	1.36	1.07
1:O:119:VAL:HG22	1:P:278:ALA:CA	1.84	1.07
1:O:119:VAL:C	1:P:277:ALA:HB1	1.37	1.07
1:A:32:VAL:O	1:A:36:PRO:CD	2.02	1.06
1:K:286:ASP:HA	1:K:287:HIS:HB2	1.36	1.06
1:O:32:VAL:O	1:O:36:PRO:CD	2.02	1.06
1:C:278:ALA:CA	1:D:119:VAL:HG22	1.84	1.06
1:F:277:ALA:HB1	1:G:119:VAL:C	1.37	1.06
1:G:32:VAL:O	1:G:36:PRO:CD	2.02	1.06
1:J:119:VAL:HG22	1:K:278:ALA:CA	1.84	1.06
1:M:32:VAL:O	1:M:36:PRO:CD	2.02	1.06
1:A:277:ALA:HA	1:B:119:VAL:O	1.54	1.06
1:C:277:ALA:HA	1:D:119:VAL:O	1.54	1.06
1:E:278:ALA:CA	1:F:119:VAL:HG22	1.84	1.06
1:I:119:VAL:HG22	1:J:278:ALA:CA	1.84	1.06
1:I:278:ALA:CA	1:P:119:VAL:HG22	1.84	1.06
1:D:278:ALA:CA	1:E:119:VAL:HG22	1.84	1.06
1:G:286:ASP:HA	1:G:287:HIS:HB2	1.36	1.06
1:H:32:VAL:O	1:H:36:PRO:CD	2.02	1.06
1:N:360:LEU:HD21	1:N:405:LEU:HD13	1.35	1.06
1:H:360:LEU:HD21	1:H:405:LEU:HD13	1.35	1.06
1:L:119:VAL:O	1:M:277:ALA:HA	1.54	1.06
1:N:32:VAL:O	1:N:36:PRO:CD	2.02	1.06
1:N:119:VAL:HG22	1:O:278:ALA:CA	1.84	1.06
1:J:119:VAL:O	1:K:277:ALA:HA	1.54	1.05

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:286:ASP:HA	1:O:287:HIS:HB2	1.36	1.05
1:G:277:ALA:HA	1:H:119:VAL:O	1.54	1.05
1:G:278:ALA:CA	1:H:119:VAL:HG22	1.84	1.05
1:E:148:LEU:HD11	1:E:253:TRP:HH2	1.16	1.05
1:N:119:VAL:O	1:O:277:ALA:HA	1.54	1.05
1:B:277:ALA:O	1:C:119:VAL:CA	1.78	1.04
1:A:113:LEU:HD22	1:A:166:LEU:HD12	1.37	1.04
1:A:357:LEU:HD11	1:A:366:ARG:HD3	1.39	1.04
1:C:360:LEU:HD21	1:C:405:LEU:HD13	1.34	1.04
1:E:113:LEU:HD22	1:E:166:LEU:HD12	1.37	1.04
1:I:148:LEU:HD11	1:I:253:TRP:HH2	1.16	1.04
1:M:113:LEU:HD22	1:M:166:LEU:HD12	1.37	1.04
1:I:113:LEU:HD22	1:I:166:LEU:HD12	1.37	1.04
1:K:360:LEU:HD21	1:K:405:LEU:HD13	1.34	1.04
1:L:113:LEU:HD22	1:L:166:LEU:HD12	1.37	1.04
1:M:357:LEU:HD11	1:M:366:ARG:HD3	1.39	1.04
1:B:113:LEU:HD22	1:B:166:LEU:HD12	1.37	1.04
1:C:141:LEU:CG	1:D:3:PHE:HE2	1.70	1.03
1:G:40:LEU:HD21	1:G:48:ILE:CD1	1.88	1.03
1:M:360:LEU:HD21	1:M:405:LEU:HD13	1.34	1.03
1:N:40:LEU:HD21	1:N:48:ILE:CD1	1.88	1.03
1:A:360:LEU:HD21	1:A:405:LEU:HD13	1.34	1.03
1:D:141:LEU:CG	1:E:3:PHE:HE2	1.70	1.03
1:H:40:LEU:HD21	1:H:48:ILE:CD1	1.88	1.03
1:H:357:LEU:HD11	1:H:366:ARG:HD3	1.39	1.03
1:J:479:GLU:HB3	1:J:481:PRO:HD2	1.40	1.03
1:L:357:LEU:HD11	1:L:366:ARG:HD3	1.39	1.03
1:O:40:LEU:HD21	1:O:48:ILE:CD1	1.88	1.03
1:B:357:LEU:HD11	1:B:366:ARG:HD3	1.39	1.03
1:C:113:LEU:HD22	1:C:166:LEU:HD12	1.37	1.03
1:D:479:GLU:HB3	1:D:481:PRO:HD2	1.40	1.03
1:E:123:TYR:HD1	1:E:304:TYR:HA	1.24	1.03
1:F:141:LEU:CG	1:G:3:PHE:HE2	1.70	1.03
1:G:113:LEU:HD22	1:G:166:LEU:HD12	1.37	1.03
1:H:113:LEU:HD22	1:H:166:LEU:HD12	1.37	1.03
1:I:3:PHE:HE2	1:J:141:LEU:CG	1.70	1.03
1:J:3:PHE:HE2	1:K:141:LEU:CG	1.70	1.03
1:J:123:TYR:HD1	1:J:304:TYR:HA	1.23	1.03
1:K:3:PHE:HE2	1:L:141:LEU:CG	1.70	1.03
1:N:3:PHE:HE2	1:O:141:LEU:CG	1.70	1.03
1:N:113:LEU:HD22	1:N:166:LEU:HD12	1.37	1.03

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:3:PHE:HE2	1:P:141:LEU:CG	1.70	1.03
1:O:113:LEU:HD22	1:O:166:LEU:HD12	1.37	1.03
1:B:141:LEU:CG	1:C:3:PHE:HE2	1.70	1.03
1:C:40:LEU:HD21	1:C:48:ILE:CD1	1.88	1.03
1:C:479:GLU:HB3	1:C:481:PRO:HD2	1.40	1.03
1:D:123:TYR:HD1	1:D:304:TYR:HA	1.23	1.03
1:G:141:LEU:CG	1:H:3:PHE:HE2	1.70	1.03
1:L:3:PHE:HE2	1:M:141:LEU:CG	1.70	1.03
1:N:357:LEU:HD11	1:N:366:ARG:HD3	1.39	1.03
1:E:141:LEU:CG	1:F:3:PHE:HE2	1.70	1.02
1:I:123:TYR:HD1	1:I:304:TYR:HA	1.24	1.02
1:K:40:LEU:HD21	1:K:48:ILE:CD1	1.88	1.02
1:K:113:LEU:HD22	1:K:166:LEU:HD12	1.37	1.02
1:K:479:GLU:HB3	1:K:481:PRO:HD2	1.40	1.02
1:P:40:LEU:HD21	1:P:48:ILE:CD1	1.88	1.02
1:A:141:LEU:CG	1:B:3:PHE:HE2	1.70	1.02
1:B:360:LEU:HD21	1:B:405:LEU:HD13	1.35	1.02
1:F:40:LEU:HD21	1:F:48:ILE:CD1	1.88	1.02
1:I:141:LEU:CG	1:P:3:PHE:HE2	1.70	1.02
1:I:479:GLU:HB3	1:I:481:PRO:HD2	1.40	1.02
1:C:357:LEU:HD11	1:C:366:ARG:HD3	1.39	1.02
1:E:479:GLU:HB3	1:E:481:PRO:HD2	1.40	1.02
1:L:360:LEU:HD21	1:L:405:LEU:HD13	1.35	1.02
1:A:40:LEU:HD21	1:A:48:ILE:CD1	1.88	1.02
1:B:123:TYR:HD1	1:B:304:TYR:HA	1.23	1.02
1:K:357:LEU:HD11	1:K:366:ARG:HD3	1.39	1.02
1:M:3:PHE:HE2	1:N:141:LEU:CG	1.70	1.02
1:O:123:TYR:HD1	1:O:304:TYR:HA	1.23	1.02
1:A:3:PHE:HE2	1:H:141:LEU:CG	1.70	1.02
1:E:40:LEU:HD21	1:E:48:ILE:CD1	1.88	1.02
1:G:123:TYR:HD1	1:G:304:TYR:HA	1.24	1.02
1:I:40:LEU:HD21	1:I:48:ILE:CD1	1.88	1.02
1:L:123:TYR:HD1	1:L:304:TYR:HA	1.23	1.02
1:M:40:LEU:HD21	1:M:48:ILE:CD1	1.88	1.02
1:C:349:LEU:HD23	1:C:426:TYR:HD1	1.26	1.01
1:K:349:LEU:HD23	1:K:426:TYR:HD1	1.26	1.01
1:B:40:LEU:HD21	1:B:48:ILE:CD1	1.88	1.01
1:B:349:LEU:HD23	1:B:426:TYR:HD1	1.26	1.01
1:D:349:LEU:HD23	1:D:426:TYR:HD1	1.26	1.01
1:J:349:LEU:HD23	1:J:426:TYR:HD1	1.26	1.01
1:L:40:LEU:HD21	1:L:48:ILE:CD1	1.88	1.01

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:349:LEU:HD23	1:L:426:TYR:HD1	1.26	1.01
1:O:357:LEU:HD11	1:O:366:ARG:HD3	1.39	1.01
1:A:123:TYR:HD1	1:A:304:TYR:HA	1.24	1.01
1:B:127:ARG:HB3	1:B:292:LEU:HD22	1.43	1.01
1:F:479:GLU:HB3	1:F:481:PRO:HD2	1.40	1.01
1:G:357:LEU:HD11	1:G:366:ARG:HD3	1.39	1.01
1:L:127:ARG:HB3	1:L:292:LEU:HD22	1.43	1.01
1:P:113:LEU:HD22	1:P:166:LEU:HD12	1.37	1.01
1:H:123:TYR:HD1	1:H:304:TYR:HA	1.23	1.01
1:H:479:GLU:HB3	1:H:481:PRO:HD2	1.40	1.01
1:K:127:ARG:HB3	1:K:292:LEU:HD22	1.43	1.01
1:M:123:TYR:HD1	1:M:304:TYR:HA	1.23	1.01
1:N:123:TYR:HD1	1:N:304:TYR:HA	1.23	1.01
1:N:479:GLU:HB3	1:N:481:PRO:HD2	1.40	1.01
1:P:479:GLU:HB3	1:P:481:PRO:HD2	1.40	1.01
1:C:127:ARG:HB3	1:C:292:LEU:HD22	1.43	1.00
1:D:113:LEU:HD22	1:D:166:LEU:HD12	1.37	1.00
1:F:113:LEU:HD22	1:F:166:LEU:HD12	1.37	1.00
1:J:113:LEU:HD22	1:J:166:LEU:HD12	1.37	1.00
1:P:127:ARG:HB3	1:P:292:LEU:HD22	1.43	1.00
1:B:479:GLU:HB3	1:B:481:PRO:HD2	1.40	1.00
1:C:19:PHE:CD1	1:C:88:LEU:HD21	1.97	1.00
1:E:357:LEU:HD11	1:E:366:ARG:HD3	1.39	1.00
1:F:127:ARG:HB3	1:F:292:LEU:HD22	1.43	1.00
1:I:349:LEU:HD23	1:I:426:TYR:HD1	1.26	1.00
1:J:40:LEU:HD21	1:J:48:ILE:CD1	1.88	1.00
1:J:127:ARG:HB3	1:J:292:LEU:HD22	1.43	1.00
1:C:123:TYR:HD1	1:C:304:TYR:HA	1.24	1.00
1:D:40:LEU:HD21	1:D:48:ILE:CD1	1.88	1.00
1:D:127:ARG:HB3	1:D:292:LEU:HD22	1.43	1.00
1:D:357:LEU:HD11	1:D:366:ARG:HD3	1.39	1.00
1:E:40:LEU:HD11	1:E:64:THR:HG23	1.43	1.00
1:E:127:ARG:HB3	1:E:292:LEU:HD22	1.43	1.00
1:E:349:LEU:HD23	1:E:426:TYR:HD1	1.26	1.00
1:G:127:ARG:HB3	1:G:292:LEU:HD22	1.43	1.00
1:H:127:ARG:HB3	1:H:292:LEU:HD22	1.43	1.00
1:I:127:ARG:HB3	1:I:292:LEU:HD22	1.43	1.00
1:I:357:LEU:HD11	1:I:366:ARG:HD3	1.39	1.00
1:K:19:PHE:CD1	1:K:88:LEU:HD21	1.97	1.00
1:L:479:GLU:HB3	1:L:481:PRO:HD2	1.40	1.00
1:N:127:ARG:HB3	1:N:292:LEU:HD22	1.43	1.00

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:127:ARG:HB3	1:O:292:LEU:HD22	1.43	1.00
1:P:123:TYR:HD1	1:P:304:TYR:HA	1.23	1.00
1:P:353:ILE:HD13	1:P:426:TYR:HE2	1.27	1.00
1:A:349:LEU:HD23	1:A:426:TYR:HD1	1.26	1.00
1:F:353:ILE:HD13	1:F:426:TYR:HE2	1.27	1.00
1:I:19:PHE:CD1	1:I:88:LEU:HD21	1.97	1.00
1:J:357:LEU:HD11	1:J:366:ARG:HD3	1.39	1.00
1:E:19:PHE:CD1	1:E:88:LEU:HD21	1.97	1.00
1:G:479:GLU:HB3	1:G:481:PRO:HD2	1.40	1.00
1:I:40:LEU:HD11	1:I:64:THR:HG23	1.43	1.00
1:J:40:LEU:HD11	1:J:64:THR:HG23	1.43	1.00
1:K:119:VAL:CA	1:L:277:ALA:O	1.78	1.00
1:O:40:LEU:HD11	1:O:64:THR:HG23	1.43	1.00
1:A:19:PHE:CD1	1:A:88:LEU:HD21	1.97	1.00
1:F:123:TYR:HD1	1:F:304:TYR:HA	1.23	1.00
1:G:40:LEU:HD11	1:G:64:THR:HG23	1.43	1.00
1:P:357:LEU:HD11	1:P:366:ARG:HD3	1.39	1.00
1:A:479:GLU:HB3	1:A:481:PRO:HD2	1.40	1.00
1:F:19:PHE:CD1	1:F:88:LEU:HD21	1.97	1.00
1:M:19:PHE:CD1	1:M:88:LEU:HD21	1.97	1.00
1:M:349:LEU:HD23	1:M:426:TYR:HD1	1.26	1.00
1:M:479:GLU:HB3	1:M:481:PRO:HD2	1.40	1.00
1:N:488:ARG:HD2	1:N:494:PHE:HB2	1.42	1.00
1:O:479:GLU:HB3	1:O:481:PRO:HD2	1.40	1.00
1:D:40:LEU:HD11	1:D:64:THR:HG23	1.43	0.99
1:F:357:LEU:HD11	1:F:366:ARG:HD3	1.39	0.99
1:K:123:TYR:HD1	1:K:304:TYR:HA	1.23	0.99
1:N:19:PHE:CD1	1:N:88:LEU:HD21	1.97	0.99
1:P:19:PHE:CD1	1:P:88:LEU:HD21	1.97	0.99
1:A:127:ARG:HB3	1:A:292:LEU:HD22	1.43	0.99
1:D:353:ILE:HD13	1:D:426:TYR:HE2	1.27	0.99
1:H:19:PHE:CD1	1:H:88:LEU:HD21	1.97	0.99
1:H:488:ARG:HD2	1:H:494:PHE:HB2	1.42	0.99
1:J:353:ILE:HD13	1:J:426:TYR:HE2	1.27	0.99
1:M:127:ARG:HB3	1:M:292:LEU:HD22	1.43	0.99
1:F:492:LEU:HD12	1:F:577:ALA:HB2	1.45	0.99
1:L:19:PHE:CD1	1:L:88:LEU:HD21	1.97	0.99
1:P:492:LEU:HD12	1:P:577:ALA:HB2	1.45	0.99
1:G:353:ILE:HD13	1:G:426:TYR:HE2	1.27	0.99
1:B:19:PHE:CD1	1:B:88:LEU:HD21	1.97	0.99
1:C:492:LEU:HD12	1:C:577:ALA:HB2	1.45	0.99

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:19:PHE:CD1	1:D:88:LEU:HD21	1.97	0.99
1:B:40:LEU:HD11	1:B:64:THR:HG23	1.43	0.99
1:E:492:LEU:HD12	1:E:577:ALA:HB2	1.45	0.99
1:D:492:LEU:HD12	1:D:577:ALA:HB2	1.45	0.99
1:I:492:LEU:HD12	1:I:577:ALA:HB2	1.45	0.99
1:J:19:PHE:CD1	1:J:88:LEU:HD21	1.97	0.99
1:K:492:LEU:HD12	1:K:577:ALA:HB2	1.45	0.99
1:L:40:LEU:HD11	1:L:64:THR:HG23	1.43	0.99
1:O:353:ILE:HD13	1:O:426:TYR:HE2	1.27	0.99
1:I:10:TYR:CE2	1:I:106:TYR:HB3	1.98	0.99
1:J:10:TYR:CE2	1:J:106:TYR:HB3	1.98	0.99
1:J:492:LEU:HD12	1:J:577:ALA:HB2	1.45	0.99
1:O:488:ARG:HD2	1:O:494:PHE:HB2	1.42	0.99
1:D:10:TYR:CE2	1:D:106:TYR:HB3	1.98	0.99
1:E:10:TYR:CE2	1:E:106:TYR:HB3	1.98	0.99
1:E:488:ARG:HD2	1:E:494:PHE:HB2	1.42	0.99
1:H:492:LEU:HG	1:H:573:ILE:HG23	1.45	0.99
1:A:253:TRP:CZ3	1:A:264:LEU:HD22	1.98	0.98
1:B:492:LEU:HD12	1:B:577:ALA:HB2	1.45	0.98
1:D:492:LEU:HG	1:D:573:ILE:HG23	1.45	0.98
1:E:37:LYS:HZ3	1:E:39:ILE:HG12	1.28	0.98
1:E:253:TRP:CZ3	1:E:264:LEU:HD22	1.98	0.98
1:I:253:TRP:CZ3	1:I:264:LEU:HD22	1.98	0.98
1:J:492:LEU:HG	1:J:573:ILE:HG23	1.45	0.98
1:N:492:LEU:HG	1:N:573:ILE:HG23	1.45	0.98
1:O:492:LEU:HD12	1:O:577:ALA:HB2	1.45	0.98
1:B:277:ALA:CB	1:C:119:VAL:C	2.11	0.98
1:C:253:TRP:CZ3	1:C:264:LEU:HD22	1.98	0.98
1:F:492:LEU:HG	1:F:573:ILE:HG23	1.45	0.98
1:K:253:TRP:CZ3	1:K:264:LEU:HD22	1.98	0.98
1:K:488:ARG:HD2	1:K:494:PHE:HB2	1.42	0.98
1:M:253:TRP:CZ3	1:M:264:LEU:HD22	1.98	0.98
1:P:492:LEU:HG	1:P:573:ILE:HG23	1.45	0.98
1:C:10:TYR:CE2	1:C:106:TYR:HB3	1.98	0.98
1:G:488:ARG:HD2	1:G:494:PHE:HB2	1.42	0.98
1:G:492:LEU:HD12	1:G:577:ALA:HB2	1.45	0.98
1:I:488:ARG:HD2	1:I:494:PHE:HB2	1.42	0.98
1:L:37:LYS:HZ3	1:L:39:ILE:HG12	1.25	0.98
1:L:488:ARG:HD2	1:L:494:PHE:HB2	1.42	0.98
1:A:488:ARG:HD2	1:A:494:PHE:HB2	1.42	0.98
1:A:492:LEU:HD12	1:A:577:ALA:HB2	1.45	0.98

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:488:ARG:HD2	1:C:494:PHE:HB2	1.42	0.98
1:K:10:TYR:CE2	1:K:106:TYR:HB3	1.98	0.98
1:L:492:LEU:HD12	1:L:577:ALA:HB2	1.45	0.98
1:M:492:LEU:HD12	1:M:577:ALA:HB2	1.45	0.98
1:B:235:LYS:HE3	1:B:237:TYR:HE2	1.29	0.98
1:B:488:ARG:HD2	1:B:494:PHE:HB2	1.42	0.98
1:F:7:GLU:HG2	1:F:107:ILE:HB	1.44	0.98
1:H:10:TYR:CE2	1:H:106:TYR:HB3	1.98	0.98
1:L:235:LYS:HE3	1:L:237:TYR:HE2	1.29	0.98
1:M:488:ARG:HD2	1:M:494:PHE:HB2	1.42	0.98
1:N:10:TYR:CE2	1:N:106:TYR:HB3	1.98	0.98
1:N:353:ILE:HD13	1:N:426:TYR:HE2	1.27	0.98
1:P:10:TYR:CE2	1:P:106:TYR:HB3	1.98	0.98
1:B:141:LEU:HG	1:C:3:PHE:CE2	1.99	0.98
1:B:253:TRP:CZ3	1:B:264:LEU:HD22	1.98	0.98
1:F:10:TYR:CE2	1:F:106:TYR:HB3	1.98	0.98
1:H:253:TRP:CZ3	1:H:264:LEU:HD22	1.98	0.98
1:O:19:PHE:CD1	1:O:88:LEU:HD21	1.97	0.98
1:O:119:VAL:CA	1:P:277:ALA:O	1.78	0.98
1:P:7:GLU:HG2	1:P:107:ILE:HB	1.44	0.98
1:P:235:LYS:HE3	1:P:237:TYR:HE2	1.29	0.98
1:P:349:LEU:HD23	1:P:426:TYR:HD1	1.26	0.98
1:A:10:TYR:CE2	1:A:106:TYR:HB3	1.98	0.98
1:E:7:GLU:HG2	1:E:107:ILE:HB	1.44	0.98
1:E:235:LYS:HE3	1:E:237:TYR:HE2	1.29	0.98
1:F:235:LYS:HE3	1:F:237:TYR:HE2	1.29	0.98
1:K:3:PHE:CE2	1:L:141:LEU:HG	1.99	0.98
1:L:253:TRP:CZ3	1:L:264:LEU:HD22	1.98	0.98
1:F:277:ALA:O	1:G:119:VAL:CA	1.78	0.98
1:G:19:PHE:CD1	1:G:88:LEU:HD21	1.97	0.98
1:G:253:TRP:CZ3	1:G:264:LEU:HD22	1.98	0.98
1:H:353:ILE:HD13	1:H:426:TYR:HE2	1.27	0.98
1:I:235:LYS:HE3	1:I:237:TYR:HE2	1.29	0.98
1:M:10:TYR:CE2	1:M:106:TYR:HB3	1.98	0.98
1:N:253:TRP:CZ3	1:N:264:LEU:HD22	1.98	0.98
1:B:7:GLU:HG2	1:B:107:ILE:HB	1.44	0.98
1:B:10:TYR:CE2	1:B:106:TYR:HB3	1.98	0.98
1:F:349:LEU:HD23	1:F:426:TYR:CD1	1.99	0.98
1:K:119:VAL:C	1:L:277:ALA:CB	2.12	0.98
1:O:253:TRP:CZ3	1:O:264:LEU:HD22	1.98	0.98
1:D:253:TRP:CZ3	1:D:264:LEU:HD22	1.98	0.98

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:385:LEU:HD21	1:D:467:PHE:CZ	1.99	0.98
1:F:349:LEU:HD23	1:F:426:TYR:HD1	1.26	0.98
1:F:488:ARG:HD2	1:F:494:PHE:HB2	1.42	0.98
1:I:7:GLU:HG2	1:I:107:ILE:HB	1.44	0.98
1:J:7:GLU:HG2	1:J:107:ILE:HB	1.44	0.98
1:J:385:LEU:HD21	1:J:467:PHE:CZ	1.99	0.98
1:L:7:GLU:HG2	1:L:107:ILE:HB	1.44	0.98
1:P:349:LEU:HD23	1:P:426:TYR:CD1	1.99	0.98
1:A:7:GLU:HG2	1:A:107:ILE:HB	1.44	0.97
1:C:40:LEU:HD11	1:C:64:THR:HG23	1.43	0.97
1:D:235:LYS:HE3	1:D:237:TYR:HE2	1.29	0.97
1:F:253:TRP:CZ3	1:F:264:LEU:HD22	1.98	0.97
1:H:349:LEU:HD23	1:H:426:TYR:HD1	1.26	0.97
1:H:492:LEU:HD12	1:H:577:ALA:HB2	1.45	0.97
1:K:349:LEU:HD23	1:K:426:TYR:CD1	1.99	0.97
1:L:3:PHE:CE2	1:M:141:LEU:HG	1.99	0.97
1:L:10:TYR:CE2	1:L:106:TYR:HB3	1.98	0.97
1:P:40:LEU:HD11	1:P:64:THR:HG23	1.43	0.97
1:A:141:LEU:HG	1:B:3:PHE:CE2	1.99	0.97
1:C:349:LEU:HD23	1:C:426:TYR:CD1	1.99	0.97
1:D:7:GLU:HG2	1:D:107:ILE:HB	1.44	0.97
1:D:488:ARG:HD2	1:D:494:PHE:HB2	1.42	0.97
1:H:349:LEU:HD23	1:H:426:TYR:CD1	1.99	0.97
1:J:253:TRP:CZ3	1:J:264:LEU:HD22	1.98	0.97
1:J:488:ARG:HD2	1:J:494:PHE:HB2	1.42	0.97
1:N:349:LEU:HD23	1:N:426:TYR:CD1	1.99	0.97
1:P:385:LEU:HD21	1:P:467:PHE:CZ	1.99	0.97
1:B:492:LEU:HG	1:B:573:ILE:HG23	1.45	0.97
1:D:141:LEU:HG	1:E:3:PHE:CE2	1.99	0.97
1:F:385:LEU:HD21	1:F:467:PHE:CZ	1.99	0.97
1:G:141:LEU:HG	1:H:3:PHE:CE2	1.99	0.97
1:I:3:PHE:CE2	1:J:141:LEU:HG	1.99	0.97
1:J:235:LYS:HE3	1:J:237:TYR:HE2	1.29	0.97
1:K:90:SER:HA	1:K:93:LYS:HD3	1.46	0.97
1:L:492:LEU:HG	1:L:573:ILE:HG23	1.45	0.97
1:M:7:GLU:HG2	1:M:107:ILE:HB	1.44	0.97
1:N:3:PHE:CE2	1:O:141:LEU:HG	1.99	0.97
1:N:492:LEU:HD12	1:N:577:ALA:HB2	1.45	0.97
1:O:228:LEU:HD23	1:O:232:LEU:HD13	1.47	0.97
1:C:90:SER:HA	1:C:93:LYS:HD3	1.46	0.97
1:I:37:LYS:HZ3	1:I:39:ILE:HG12	1.30	0.97

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:353:ILE:HD13	1:L:426:TYR:HE2	1.27	0.97
1:N:349:LEU:HD23	1:N:426:TYR:HD1	1.26	0.97
1:O:10:TYR:CE2	1:O:106:TYR:HB3	1.98	0.97
1:P:253:TRP:CZ3	1:P:264:LEU:HD22	1.98	0.97
1:P:488:ARG:HD2	1:P:494:PHE:HB2	1.42	0.97
1:B:353:ILE:HD13	1:B:426:TYR:HE2	1.27	0.97
1:G:10:TYR:CE2	1:G:106:TYR:HB3	1.98	0.97
1:G:228:LEU:HD23	1:G:232:LEU:HD13	1.47	0.97
1:K:40:LEU:HD11	1:K:64:THR:HG23	1.43	0.97
1:N:7:GLU:HG2	1:N:107:ILE:HB	1.44	0.97
1:C:385:LEU:HD21	1:C:467:PHE:CZ	1.99	0.97
1:F:1:MET:HA	1:F:70:GLU:HA	1.46	0.97
1:F:40:LEU:HD11	1:F:64:THR:HG23	1.43	0.97
1:H:7:GLU:HG2	1:H:107:ILE:HB	1.44	0.97
1:H:228:LEU:HD23	1:H:232:LEU:HD13	1.47	0.97
1:K:385:LEU:HD21	1:K:467:PHE:CZ	1.99	0.97
1:N:228:LEU:HD23	1:N:232:LEU:HD13	1.47	0.97
1:A:385:LEU:HD21	1:A:467:PHE:CZ	1.99	0.97
1:D:395:LYS:HA	1:D:395:LYS:HE3	1.45	0.97
1:H:40:LEU:HD11	1:H:64:THR:HG23	1.43	0.97
1:M:119:VAL:CA	1:N:277:ALA:O	1.78	0.97
1:M:385:LEU:HD21	1:M:467:PHE:CZ	1.99	0.97
1:O:235:LYS:HE3	1:O:237:TYR:HE2	1.29	0.97
1:P:1:MET:HA	1:P:70:GLU:HA	1.46	0.97
1:P:228:LEU:HD23	1:P:232:LEU:HD13	1.47	0.97
1:A:349:LEU:HD23	1:A:426:TYR:CD1	1.99	0.97
1:B:385:LEU:HD21	1:B:467:PHE:CZ	1.99	0.97
1:G:235:LYS:HE3	1:G:237:TYR:HE2	1.29	0.97
1:J:395:LYS:HA	1:J:395:LYS:HE3	1.45	0.97
1:M:349:LEU:HD23	1:M:426:TYR:CD1	1.99	0.97
1:O:349:LEU:HD23	1:O:426:TYR:CD1	1.99	0.97
1:A:353:ILE:HD13	1:A:426:TYR:HE2	1.27	0.97
1:E:353:ILE:HD13	1:E:426:TYR:HE2	1.27	0.97
1:E:385:LEU:HD21	1:E:467:PHE:CZ	1.99	0.97
1:F:228:LEU:HD23	1:F:232:LEU:HD13	1.47	0.97
1:G:349:LEU:HD23	1:G:426:TYR:CD1	1.99	0.97
1:J:90:SER:HA	1:J:93:LYS:HD3	1.46	0.97
1:B:90:SER:HA	1:B:93:LYS:HD3	1.46	0.97
1:C:235:LYS:HE3	1:C:237:TYR:HE2	1.29	0.97
1:D:349:LEU:HD23	1:D:426:TYR:CD1	1.99	0.97
1:H:385:LEU:HD21	1:H:467:PHE:CZ	1.99	0.97

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:385:LEU:HD21	1:I:467:PHE:CZ	1.99	0.97
1:L:90:SER:HA	1:L:93:LYS:HD3	1.46	0.97
1:L:385:LEU:HD21	1:L:467:PHE:CZ	1.99	0.97
1:M:395:LYS:HA	1:M:395:LYS:HE3	1.45	0.97
1:N:40:LEU:HD11	1:N:64:THR:HG23	1.43	0.97
1:N:385:LEU:HD21	1:N:467:PHE:CZ	1.99	0.97
1:O:3:PHE:CE2	1:P:141:LEU:HG	1.99	0.97
1:A:395:LYS:HE3	1:A:395:LYS:HA	1.45	0.96
1:D:90:SER:HA	1:D:93:LYS:HD3	1.46	0.96
1:E:141:LEU:HG	1:F:3:PHE:CE2	1.99	0.96
1:G:385:LEU:HD21	1:G:467:PHE:CZ	1.99	0.96
1:H:1:MET:HA	1:H:70:GLU:HA	1.46	0.96
1:I:349:LEU:HD23	1:I:426:TYR:CD1	1.99	0.96
1:J:349:LEU:HD23	1:J:426:TYR:CD1	1.99	0.96
1:L:349:LEU:HD23	1:L:426:TYR:CD1	1.99	0.96
1:O:7:GLU:HG2	1:O:107:ILE:HB	1.44	0.96
1:O:395:LYS:HA	1:O:395:LYS:HE3	1.45	0.96
1:C:141:LEU:HG	1:D:3:PHE:CE2	1.99	0.96
1:F:141:LEU:HG	1:G:3:PHE:CE2	1.99	0.96
1:G:7:GLU:HG2	1:G:107:ILE:HB	1.44	0.96
1:G:33:GLN:C	1:G:36:PRO:HD2	1.86	0.96
1:H:395:LYS:HA	1:H:395:LYS:HE3	1.45	0.96
1:J:3:PHE:CE2	1:K:141:LEU:HG	1.99	0.96
1:M:40:LEU:HD11	1:M:64:THR:HG23	1.43	0.96
1:M:353:ILE:HD13	1:M:426:TYR:HE2	1.27	0.96
1:N:1:MET:HA	1:N:70:GLU:HA	1.46	0.96
1:A:119:VAL:CA	1:H:277:ALA:O	1.78	0.96
1:B:349:LEU:HD23	1:B:426:TYR:CD1	1.99	0.96
1:E:90:SER:HA	1:E:93:LYS:HD3	1.46	0.96
1:E:349:LEU:HD23	1:E:426:TYR:CD1	1.99	0.96
1:G:395:LYS:HA	1:G:395:LYS:HE3	1.45	0.96
1:I:141:LEU:HG	1:P:3:PHE:CE2	1.99	0.96
1:K:235:LYS:HE3	1:K:237:TYR:HE2	1.29	0.96
1:O:33:GLN:C	1:O:36:PRO:HD2	1.86	0.96
1:O:37:LYS:HZ3	1:O:39:ILE:HG12	1.27	0.96
1:O:385:LEU:HD21	1:O:467:PHE:CZ	1.99	0.96
1:A:119:VAL:C	1:H:277:ALA:CB	2.11	0.96
1:C:277:ALA:CB	1:D:119:VAL:C	2.12	0.96
1:E:281:THR:HG21	1:F:3:PHE:CE1	2.01	0.96
1:E:395:LYS:HE3	1:E:395:LYS:HA	1.45	0.96
1:I:281:THR:HG21	1:P:3:PHE:CE1	2.01	0.96

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:353:ILE:HD13	1:I:426:TYR:HE2	1.27	0.96
1:I:395:LYS:HE3	1:I:395:LYS:HA	1.45	0.96
1:A:40:LEU:HD11	1:A:64:THR:HG23	1.43	0.96
1:D:277:ALA:CB	1:E:119:VAL:C	2.11	0.96
1:I:90:SER:HA	1:I:93:LYS:HD3	1.46	0.96
1:N:395:LYS:HA	1:N:395:LYS:HE3	1.45	0.96
1:A:3:PHE:CE2	1:H:141:LEU:HG	1.99	0.96
1:D:277:ALA:CA	1:E:119:VAL:O	2.14	0.96
1:K:7:GLU:HG2	1:K:107:ILE:HB	1.44	0.96
1:K:395:LYS:HA	1:K:395:LYS:HE3	1.45	0.96
1:C:7:GLU:HG2	1:C:107:ILE:HB	1.44	0.96
1:D:37:LYS:HZ3	1:D:39:ILE:HG12	1.31	0.96
1:I:1:MET:HA	1:I:70:GLU:HA	1.46	0.96
1:I:119:VAL:O	1:J:277:ALA:CA	2.14	0.96
1:I:228:LEU:HD23	1:I:232:LEU:HD13	1.47	0.96
1:M:3:PHE:CE2	1:N:141:LEU:HG	1.99	0.96
1:N:33:GLN:C	1:N:36:PRO:HD2	1.86	0.96
1:P:193:LEU:HD21	1:P:221:ILE:HA	1.48	0.96
1:C:395:LYS:HA	1:C:395:LYS:HE3	1.45	0.96
1:E:492:LEU:HG	1:E:573:ILE:HG23	1.45	0.96
1:F:193:LEU:HD21	1:F:221:ILE:HA	1.48	0.96
1:F:281:THR:HG21	1:G:3:PHE:CE1	2.01	0.96
1:H:33:GLN:C	1:H:36:PRO:HD2	1.86	0.96
1:I:3:PHE:CE1	1:J:281:THR:HG21	2.01	0.96
1:M:193:LEU:HD21	1:M:221:ILE:HA	1.48	0.96
1:C:228:LEU:HD23	1:C:232:LEU:HD13	1.47	0.96
1:F:33:GLN:C	1:F:36:PRO:HD2	1.86	0.96
1:I:277:ALA:CA	1:P:119:VAL:O	2.14	0.96
1:J:37:LYS:HZ3	1:J:39:ILE:HG12	1.31	0.96
1:K:228:LEU:HD23	1:K:232:LEU:HD13	1.47	0.96
1:N:235:LYS:HE3	1:N:237:TYR:HE2	1.29	0.96
1:O:3:PHE:CE1	1:P:281:THR:HG21	2.01	0.96
1:A:193:LEU:HD21	1:A:221:ILE:HA	1.48	0.96
1:D:281:THR:HG21	1:E:3:PHE:CE1	2.01	0.96
1:E:1:MET:HA	1:E:70:GLU:HA	1.46	0.96
1:E:228:LEU:HD23	1:E:232:LEU:HD13	1.47	0.96
1:E:277:ALA:CA	1:F:119:VAL:O	2.14	0.96
1:H:235:LYS:HE3	1:H:237:TYR:HE2	1.29	0.96
1:K:148:LEU:HD23	1:K:282:HIS:HE1	1.31	0.96
1:M:119:VAL:CA	1:N:277:ALA:CA	2.22	0.96
1:O:1:MET:HA	1:O:70:GLU:HA	1.46	0.96

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:492:LEU:HG	1:O:573:ILE:HG23	1.45	0.96
1:B:193:LEU:HD21	1:B:221:ILE:HA	1.48	0.95
1:C:148:LEU:HD23	1:C:282:HIS:HE1	1.31	0.95
1:J:119:VAL:C	1:K:277:ALA:CB	2.11	0.95
1:L:193:LEU:HD21	1:L:221:ILE:HA	1.48	0.95
1:P:33:GLN:C	1:P:36:PRO:HD2	1.86	0.95
1:B:148:LEU:HD23	1:B:282:HIS:HE1	1.31	0.95
1:I:492:LEU:HG	1:I:573:ILE:HG23	1.45	0.95
1:L:148:LEU:HD23	1:L:282:HIS:HE1	1.31	0.95
1:C:281:THR:HG21	1:D:3:PHE:CE1	2.01	0.95
1:C:492:LEU:HG	1:C:573:ILE:HG23	1.45	0.95
1:F:395:LYS:HA	1:F:395:LYS:HE3	1.45	0.95
1:G:1:MET:HA	1:G:70:GLU:HA	1.46	0.95
1:H:20:GLU:HB2	1:H:24:VAL:HB	1.48	0.95
1:I:197:GLN:HE21	1:J:219:LEU:CD1	1.76	0.95
1:C:193:LEU:HD21	1:C:221:ILE:HA	1.48	0.95
1:C:277:ALA:CA	1:D:119:VAL:O	2.14	0.95
1:E:277:ALA:CB	1:F:119:VAL:C	2.12	0.95
1:G:193:LEU:HD21	1:G:221:ILE:HA	1.48	0.95
1:I:119:VAL:C	1:J:277:ALA:CB	2.11	0.95
1:J:3:PHE:CE1	1:K:281:THR:HG21	2.01	0.95
1:J:33:GLN:C	1:J:36:PRO:HD2	1.86	0.95
1:L:119:VAL:CA	1:M:277:ALA:CA	2.22	0.95
1:L:119:VAL:O	1:M:277:ALA:CA	2.14	0.95
1:M:20:GLU:HB2	1:M:24:VAL:HB	1.48	0.95
1:A:20:GLU:HB2	1:A:24:VAL:HB	1.48	0.95
1:A:277:ALA:CA	1:B:119:VAL:O	2.14	0.95
1:F:132:LEU:HA	1:F:135:ARG:HD3	1.48	0.95
1:G:349:LEU:HD23	1:G:426:TYR:HD1	1.26	0.95
1:G:492:LEU:HG	1:G:573:ILE:HG23	1.45	0.95
1:K:193:LEU:HD21	1:K:221:ILE:HA	1.48	0.95
1:L:119:VAL:CA	1:M:277:ALA:O	1.78	0.95
1:M:492:LEU:HG	1:M:573:ILE:HG23	1.45	0.95
1:N:20:GLU:HB2	1:N:24:VAL:HB	1.48	0.95
1:P:395:LYS:HA	1:P:395:LYS:HE3	1.45	0.95
1:A:119:VAL:CA	1:H:277:ALA:CA	2.22	0.95
1:D:1:MET:HA	1:D:70:GLU:HA	1.46	0.95
1:D:33:GLN:C	1:D:36:PRO:HD2	1.86	0.95
1:D:132:LEU:HA	1:D:135:ARG:HD3	1.48	0.95
1:D:148:LEU:HD23	1:D:282:HIS:HE1	1.31	0.95
1:G:10:TYR:HE2	1:G:106:TYR:HB3	1.32	0.95

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:281:THR:HG21	1:H:3:PHE:CE1	2.01	0.95
1:J:119:VAL:O	1:K:277:ALA:CA	2.14	0.95
1:J:132:LEU:HA	1:J:135:ARG:HD3	1.48	0.95
1:J:148:LEU:HD23	1:J:282:HIS:HE1	1.31	0.95
1:L:395:LYS:HA	1:L:395:LYS:HE3	1.45	0.95
1:M:33:GLN:C	1:M:36:PRO:HD2	1.86	0.95
1:M:119:VAL:C	1:N:277:ALA:CB	2.12	0.95
1:N:3:PHE:CE1	1:O:281:THR:HG21	2.01	0.95
1:O:193:LEU:HD21	1:O:221:ILE:HA	1.48	0.95
1:P:132:LEU:HA	1:P:135:ARG:HD3	1.48	0.95
1:A:33:GLN:C	1:A:36:PRO:HD2	1.86	0.95
1:A:277:ALA:O	1:B:119:VAL:CA	1.78	0.95
1:B:395:LYS:HA	1:B:395:LYS:HE3	1.45	0.95
1:D:193:LEU:HD21	1:D:221:ILE:HA	1.48	0.95
1:F:37:LYS:HZ3	1:F:39:ILE:HG12	1.31	0.95
1:K:119:VAL:O	1:L:277:ALA:CA	2.14	0.95
1:K:492:LEU:HG	1:K:573:ILE:HG23	1.45	0.95
1:O:90:SER:HA	1:O:93:LYS:HD3	1.46	0.95
1:B:277:ALA:CA	1:C:119:VAL:O	2.14	0.95
1:F:298:LYS:CE	1:F:316:VAL:HG12	1.97	0.95
1:G:90:SER:HA	1:G:93:LYS:HD3	1.46	0.95
1:I:33:GLN:C	1:I:36:PRO:HD2	1.86	0.95
1:J:1:MET:HA	1:J:70:GLU:HA	1.46	0.95
1:P:298:LYS:CE	1:P:316:VAL:HG12	1.97	0.95
1:A:90:SER:HA	1:A:93:LYS:HD3	1.46	0.95
1:C:298:LYS:CE	1:C:316:VAL:HG12	1.97	0.95
1:F:90:SER:HA	1:F:93:LYS:HD3	1.46	0.95
1:K:33:GLN:C	1:K:36:PRO:HD2	1.86	0.95
1:O:10:TYR:HE2	1:O:106:TYR:HB3	1.32	0.95
1:P:90:SER:HA	1:P:93:LYS:HD3	1.46	0.95
1:A:119:VAL:O	1:H:277:ALA:CA	2.14	0.95
1:A:492:LEU:HG	1:A:573:ILE:HG23	1.45	0.95
1:B:33:GLN:C	1:B:36:PRO:HD2	1.86	0.95
1:C:33:GLN:C	1:C:36:PRO:HD2	1.86	0.95
1:C:353:ILE:HD13	1:C:426:TYR:HE2	1.27	0.95
1:F:19:PHE:CE2	1:N:87:PHE:CB	2.50	0.95
1:F:87:PHE:CB	1:N:19:PHE:CE2	2.50	0.95
1:G:19:PHE:CE2	1:O:87:PHE:CB	2.50	0.95
1:G:87:PHE:CB	1:O:19:PHE:CE2	2.50	0.95
1:H:19:PHE:CE2	1:P:87:PHE:CB	2.50	0.95
1:J:193:LEU:HD21	1:J:221:ILE:HA	1.48	0.95

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:298:LYS:CE	1:K:316:VAL:HG12	1.97	0.95
1:L:33:GLN:C	1:L:36:PRO:HD2	1.86	0.95
1:M:3:PHE:CE1	1:N:281:THR:HG21	2.01	0.95
1:M:90:SER:HA	1:M:93:LYS:HD3	1.46	0.95
1:M:119:VAL:O	1:N:277:ALA:CA	2.14	0.95
1:N:119:VAL:CA	1:O:277:ALA:O	1.78	0.95
1:O:20:GLU:HB2	1:O:24:VAL:HB	1.48	0.95
1:O:349:LEU:HD23	1:O:426:TYR:HD1	1.26	0.95
1:A:3:PHE:CE1	1:H:281:THR:HG21	2.01	0.94
1:A:277:ALA:CA	1:B:119:VAL:CA	2.22	0.94
1:E:33:GLN:C	1:E:36:PRO:HD2	1.86	0.94
1:H:87:PHE:CB	1:P:19:PHE:CE2	2.50	0.94
1:J:10:TYR:HE2	1:J:106:TYR:HB3	1.32	0.94
1:J:20:GLU:HB2	1:J:24:VAL:HB	1.48	0.94
1:J:298:LYS:CE	1:J:316:VAL:HG12	1.97	0.94
1:K:10:TYR:HE2	1:K:106:TYR:HB3	1.32	0.94
1:B:281:THR:HG21	1:C:3:PHE:CE1	2.01	0.94
1:C:10:TYR:HE2	1:C:106:TYR:HB3	1.32	0.94
1:D:20:GLU:HB2	1:D:24:VAL:HB	1.48	0.94
1:D:298:LYS:CE	1:D:316:VAL:HG12	1.97	0.94
1:G:20:GLU:HB2	1:G:24:VAL:HB	1.48	0.94
1:G:277:ALA:O	1:H:119:VAL:CA	1.78	0.94
1:L:228:LEU:HD23	1:L:232:LEU:HD13	1.47	0.94
1:M:235:LYS:HE3	1:M:237:TYR:HE2	1.29	0.94
1:N:90:SER:HA	1:N:93:LYS:HD3	1.46	0.94
1:D:10:TYR:HE2	1:D:106:TYR:HB3	1.32	0.94
1:E:19:PHE:CE2	1:M:87:PHE:CB	2.50	0.94
1:I:10:TYR:HE2	1:I:106:TYR:HB3	1.32	0.94
1:K:3:PHE:CE1	1:L:281:THR:HG21	2.01	0.94
1:L:3:PHE:CE1	1:M:281:THR:HG21	2.01	0.94
1:N:10:TYR:HE2	1:N:106:TYR:HB3	1.32	0.94
1:A:87:PHE:CB	1:I:19:PHE:CE2	2.50	0.94
1:A:148:LEU:HD23	1:A:282:HIS:HE1	1.31	0.94
1:A:281:THR:HG21	1:B:3:PHE:CE1	2.01	0.94
1:H:90:SER:HA	1:H:93:LYS:HD3	1.46	0.94
1:L:10:TYR:HE2	1:L:106:TYR:HB3	1.32	0.94
1:M:127:ARG:HG2	1:M:292:LEU:HD13	1.50	0.94
1:N:37:LYS:HZ3	1:N:39:ILE:HG12	1.30	0.94
1:O:119:VAL:O	1:P:277:ALA:CA	2.14	0.94
1:P:148:LEU:HD23	1:P:282:HIS:HE1	1.31	0.94
1:B:10:TYR:HE2	1:B:106:TYR:HB3	1.32	0.94

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:228:LEU:HD23	1:B:232:LEU:HD13	1.47	0.94
1:E:10:TYR:HE2	1:E:106:TYR:HB3	1.32	0.94
1:H:517:THR:CG2	1:H:546:LEU:HD21	1.98	0.94
1:I:277:ALA:CB	1:P:119:VAL:C	2.12	0.94
1:K:353:ILE:HD13	1:K:426:TYR:HE2	1.27	0.94
1:M:148:LEU:HD23	1:M:282:HIS:HE1	1.31	0.94
1:M:457:ASP:HB3	1:M:583:ARG:HD3	1.49	0.94
1:N:517:THR:CG2	1:N:546:LEU:HD21	1.98	0.94
1:A:127:ARG:HG2	1:A:292:LEU:HD13	1.50	0.94
1:A:228:LEU:HD23	1:A:232:LEU:HD13	1.47	0.94
1:A:235:LYS:HE3	1:A:237:TYR:HE2	1.29	0.94
1:A:457:ASP:HB3	1:A:583:ARG:HD3	1.49	0.94
1:F:277:ALA:CA	1:G:119:VAL:O	2.14	0.94
1:G:37:LYS:HZ3	1:G:39:ILE:HG12	1.30	0.94
1:K:119:VAL:CA	1:L:277:ALA:CA	2.22	0.94
1:L:1:MET:HA	1:L:70:GLU:HA	1.46	0.94
1:L:517:THR:CG2	1:L:546:LEU:HD21	1.98	0.94
1:A:19:PHE:CE2	1:I:87:PHE:CB	2.50	0.94
1:B:1:MET:HA	1:B:70:GLU:HA	1.46	0.94
1:B:517:THR:CG2	1:B:546:LEU:HD21	1.98	0.94
1:C:314:ARG:HG3	1:C:341:TRP:CZ2	2.03	0.94
1:E:87:PHE:CB	1:M:19:PHE:CE2	2.50	0.94
1:E:298:LYS:CE	1:E:316:VAL:HG12	1.97	0.94
1:E:353:ILE:HD13	1:E:426:TYR:CE2	2.03	0.94
1:F:148:LEU:HD23	1:F:282:HIS:HE1	1.31	0.94
1:F:314:ARG:HG3	1:F:341:TRP:CZ2	2.03	0.94
1:H:10:TYR:HE2	1:H:106:TYR:HB3	1.32	0.94
1:I:193:LEU:HD21	1:I:221:ILE:HA	1.48	0.94
1:K:314:ARG:HG3	1:K:341:TRP:CZ2	2.03	0.94
1:N:193:LEU:HD21	1:N:221:ILE:HA	1.48	0.94
1:N:298:LYS:CE	1:N:316:VAL:HG12	1.97	0.94
1:P:314:ARG:HG3	1:P:341:TRP:CZ2	2.03	0.94
1:C:219:LEU:CD1	1:D:197:GLN:HE21	1.76	0.94
1:D:228:LEU:HD23	1:D:232:LEU:HD13	1.47	0.94
1:D:353:ILE:HD13	1:D:426:TYR:CE2	2.03	0.94
1:G:277:ALA:CA	1:H:119:VAL:O	2.14	0.94
1:G:314:ARG:HG3	1:G:341:TRP:CZ2	2.03	0.94
1:H:298:LYS:CE	1:H:316:VAL:HG12	1.97	0.94
1:H:314:ARG:HG3	1:H:341:TRP:CZ2	2.03	0.94
1:I:148:LEU:HD23	1:I:282:HIS:HE1	1.31	0.94
1:I:298:LYS:CE	1:I:316:VAL:HG12	1.97	0.94

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:353:ILE:HD13	1:I:426:TYR:CE2	2.03	0.94
1:J:353:ILE:HD13	1:J:426:TYR:CE2	2.03	0.94
1:M:228:LEU:HD23	1:M:232:LEU:HD13	1.47	0.94
1:N:119:VAL:O	1:O:277:ALA:CA	2.14	0.94
1:N:457:ASP:HB3	1:N:583:ARG:HD3	1.49	0.94
1:O:314:ARG:HG3	1:O:341:TRP:CZ2	2.03	0.94
1:O:517:THR:CG2	1:O:546:LEU:HD21	1.98	0.94
1:C:517:THR:CG2	1:C:546:LEU:HD21	1.98	0.94
1:F:277:ALA:CB	1:G:119:VAL:C	2.11	0.94
1:G:517:THR:CG2	1:G:546:LEU:HD21	1.98	0.94
1:H:37:LYS:HZ3	1:H:39:ILE:HG12	1.31	0.94
1:O:119:VAL:C	1:P:277:ALA:CB	2.12	0.94
1:A:298:LYS:CE	1:A:316:VAL:HG12	1.97	0.94
1:B:216:ASN:HD22	1:B:219:LEU:HD23	1.33	0.94
1:B:277:ALA:CA	1:C:119:VAL:CA	2.22	0.94
1:E:148:LEU:HD23	1:E:282:HIS:HE1	1.31	0.94
1:E:193:LEU:HD21	1:E:221:ILE:HA	1.48	0.94
1:G:277:ALA:CB	1:H:119:VAL:C	2.12	0.94
1:H:11:GLN:HG2	1:H:106:TYR:HD2	1.33	0.94
1:H:193:LEU:HD21	1:H:221:ILE:HA	1.48	0.94
1:H:457:ASP:HB3	1:H:583:ARG:HD3	1.49	0.94
1:K:1:MET:HA	1:K:70:GLU:HA	1.46	0.94
1:K:517:THR:CG2	1:K:546:LEU:HD21	1.98	0.94
1:L:298:LYS:CE	1:L:316:VAL:HG12	1.97	0.94
1:N:11:GLN:HG2	1:N:106:TYR:HD2	1.33	0.94
1:N:119:VAL:C	1:O:277:ALA:CB	2.11	0.94
1:N:314:ARG:HG3	1:N:341:TRP:CZ2	2.03	0.94
1:O:127:ARG:HG2	1:O:292:LEU:HD13	1.50	0.94
1:A:353:ILE:HD13	1:A:426:TYR:CE2	2.03	0.93
1:B:298:LYS:CE	1:B:316:VAL:HG12	1.97	0.93
1:B:581:VAL:HA	1:B:1035:UNK:CB	1.99	0.93
1:C:1:MET:HA	1:C:70:GLU:HA	1.46	0.93
1:G:127:ARG:HG2	1:G:292:LEU:HD13	1.50	0.93
1:J:197:GLN:HE21	1:K:219:LEU:CD1	1.76	0.93
1:L:11:GLN:HG2	1:L:106:TYR:HD2	1.33	0.93
1:L:581:VAL:HA	1:L:1035:UNK:CB	1.99	0.93
1:M:298:LYS:CE	1:M:316:VAL:HG12	1.97	0.93
1:M:353:ILE:HD13	1:M:426:TYR:CE2	2.03	0.93
1:M:581:VAL:HA	1:M:1035:UNK:CB	1.99	0.93
1:A:314:ARG:HG3	1:A:341:TRP:CZ2	2.03	0.93
1:A:581:VAL:HA	1:A:1035:UNK:CB	1.99	0.93

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:11:GLN:HG2	1:B:106:TYR:HD2	1.33	0.93
1:D:517:THR:CG2	1:D:546:LEU:HD21	1.98	0.93
1:F:20:GLU:HB2	1:F:24:VAL:HB	1.48	0.93
1:F:141:LEU:HD13	1:F:145:LYS:HB3	1.51	0.93
1:F:353:ILE:HD13	1:F:426:TYR:CE2	2.03	0.93
1:F:517:THR:CG2	1:F:546:LEU:HD21	1.98	0.93
1:G:141:LEU:HD13	1:G:145:LYS:HB3	1.51	0.93
1:I:314:ARG:HG3	1:I:341:TRP:CZ2	2.03	0.93
1:J:517:THR:CG2	1:J:546:LEU:HD21	1.98	0.93
1:L:216:ASN:HD22	1:L:219:LEU:HD23	1.33	0.93
1:N:353:ILE:HD13	1:N:426:TYR:CE2	2.03	0.93
1:O:141:LEU:HD13	1:O:145:LYS:HB3	1.51	0.93
1:P:20:GLU:HB2	1:P:24:VAL:HB	1.48	0.93
1:P:517:THR:CG2	1:P:546:LEU:HD21	1.98	0.93
1:A:10:TYR:HE2	1:A:106:TYR:HB3	1.32	0.93
1:B:20:GLU:HB2	1:B:24:VAL:HB	1.48	0.93
1:B:127:ARG:HG2	1:B:292:LEU:HD13	1.50	0.93
1:D:314:ARG:HG3	1:D:341:TRP:CZ2	2.03	0.93
1:F:557:LYS:HB2	1:F:597:UNK:N	1.84	0.93
1:G:557:LYS:HB2	1:G:597:UNK:N	1.84	0.93
1:H:154:GLY:HA3	1:H:322:ARG:HB3	1.50	0.93
1:H:353:ILE:HD13	1:H:426:TYR:CE2	2.03	0.93
1:J:228:LEU:HD23	1:J:232:LEU:HD13	1.47	0.93
1:M:1:MET:HA	1:M:70:GLU:HA	1.46	0.93
1:M:11:GLN:HG2	1:M:106:TYR:HD2	1.34	0.93
1:M:314:ARG:HG3	1:M:341:TRP:CZ2	2.03	0.93
1:N:154:GLY:HA3	1:N:322:ARG:HB3	1.50	0.93
1:P:10:TYR:HE2	1:P:106:TYR:HB3	1.32	0.93
1:P:141:LEU:HD13	1:P:145:LYS:HB3	1.51	0.93
1:A:11:GLN:HG2	1:A:106:TYR:HD2	1.34	0.93
1:A:154:GLY:HA3	1:A:322:ARG:HB3	1.50	0.93
1:D:141:LEU:HD13	1:D:145:LYS:HB3	1.51	0.93
1:E:314:ARG:HG3	1:E:341:TRP:CZ2	2.03	0.93
1:J:141:LEU:HD13	1:J:145:LYS:HB3	1.51	0.93
1:J:314:ARG:HG3	1:J:341:TRP:CZ2	2.03	0.93
1:L:20:GLU:HB2	1:L:24:VAL:HB	1.48	0.93
1:O:298:LYS:CE	1:O:316:VAL:HG12	1.97	0.93
1:P:353:ILE:HD13	1:P:426:TYR:CE2	2.03	0.93
1:P:557:LYS:HB2	1:P:597:UNK:N	1.84	0.93
1:A:278:ALA:N	1:B:119:VAL:CG2	2.32	0.93
1:A:517:THR:CG2	1:A:546:LEU:HD21	1.98	0.93

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:19:PHE:CE2	1:K:87:PHE:CB	2.50	0.93
1:C:87:PHE:CB	1:K:19:PHE:CE2	2.50	0.93
1:C:141:LEU:HD13	1:C:145:LYS:HB3	1.51	0.93
1:C:557:LYS:HB2	1:C:597:UNK:N	1.84	0.93
1:C:581:VAL:HA	1:C:1035:UNK:CB	1.99	0.93
1:E:11:GLN:HG2	1:E:106:TYR:CD2	2.04	0.93
1:F:10:TYR:HE2	1:F:106:TYR:HB3	1.32	0.93
1:G:11:GLN:HG2	1:G:106:TYR:HD2	1.34	0.93
1:I:11:GLN:HG2	1:I:106:TYR:CD2	2.04	0.93
1:I:132:LEU:HA	1:I:135:ARG:HD3	1.48	0.93
1:K:557:LYS:HB2	1:K:597:UNK:N	1.84	0.93
1:M:11:GLN:HG2	1:M:106:TYR:CD2	2.04	0.93
1:M:40:LEU:CD1	1:M:64:THR:HG23	1.96	0.93
1:M:154:GLY:HA3	1:M:322:ARG:HB3	1.50	0.93
1:N:581:VAL:HA	1:N:1035:UNK:CB	1.99	0.93
1:O:557:LYS:HB2	1:O:597:UNK:N	1.84	0.93
1:A:1:MET:HA	1:A:70:GLU:HA	1.46	0.93
1:A:40:LEU:CD1	1:A:64:THR:HG23	1.96	0.93
1:G:298:LYS:CE	1:G:316:VAL:HG12	1.97	0.93
1:H:581:VAL:HA	1:H:1035:UNK:CB	1.99	0.93
1:K:216:ASN:HD22	1:K:219:LEU:HD23	1.33	0.93
1:K:581:VAL:HA	1:K:1035:UNK:CB	1.99	0.93
1:L:119:VAL:C	1:M:277:ALA:CB	2.11	0.93
1:L:119:VAL:CG2	1:M:278:ALA:N	2.32	0.93
1:L:127:ARG:HG2	1:L:292:LEU:HD13	1.50	0.93
1:O:11:GLN:HG2	1:O:106:TYR:HD2	1.34	0.93
1:O:132:LEU:HA	1:O:135:ARG:HD3	1.48	0.93
1:A:11:GLN:HG2	1:A:106:TYR:CD2	2.04	0.93
1:A:277:ALA:CB	1:B:119:VAL:C	2.12	0.93
1:B:457:ASP:HB3	1:B:583:ARG:HD3	1.49	0.93
1:C:216:ASN:HD22	1:C:219:LEU:HD23	1.33	0.93
1:E:20:GLU:HB2	1:E:24:VAL:HB	1.48	0.93
1:H:148:LEU:HD23	1:H:282:HIS:HE1	1.31	0.93
1:K:141:LEU:HD13	1:K:145:LYS:HB3	1.51	0.93
1:K:353:ILE:HD13	1:K:426:TYR:CE2	2.03	0.93
1:L:314:ARG:HG3	1:L:341:TRP:CZ2	2.03	0.93
1:M:517:THR:CG2	1:M:546:LEU:HD21	1.98	0.93
1:O:11:GLN:HG2	1:O:106:TYR:CD2	2.04	0.93
1:C:353:ILE:HD13	1:C:426:TYR:CE2	2.03	0.93
1:D:581:VAL:HA	1:D:1035:UNK:CB	1.99	0.93
1:E:132:LEU:HA	1:E:135:ARG:HD3	1.48	0.93

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:517:THR:CG2	1:E:546:LEU:HD21	1.98	0.93
1:F:19:PHE:CG	1:F:88:LEU:HD11	2.04	0.93
1:G:11:GLN:HG2	1:G:106:TYR:CD2	2.04	0.93
1:G:581:VAL:HA	1:G:1035:UNK:CB	1.99	0.93
1:I:119:VAL:CG2	1:J:278:ALA:N	2.32	0.93
1:I:141:LEU:HD13	1:I:145:LYS:HB3	1.51	0.93
1:J:581:VAL:HA	1:J:1035:UNK:CB	1.99	0.93
1:L:457:ASP:HB3	1:L:583:ARG:HD3	1.49	0.93
1:L:557:LYS:HB2	1:L:597:UNK:N	1.84	0.93
1:N:11:GLN:HG2	1:N:106:TYR:CD2	2.04	0.93
1:O:581:VAL:HA	1:O:1035:UNK:CB	1.99	0.93
1:P:19:PHE:CG	1:P:88:LEU:HD11	2.04	0.93
1:B:19:PHE:CG	1:B:88:LEU:HD11	2.04	0.93
1:B:314:ARG:HG3	1:B:341:TRP:CZ2	2.03	0.93
1:B:557:LYS:HB2	1:B:597:UNK:N	1.84	0.93
1:D:278:ALA:N	1:E:119:VAL:CG2	2.32	0.93
1:E:557:LYS:HB2	1:E:597:UNK:N	1.84	0.93
1:G:132:LEU:HA	1:G:135:ARG:HD3	1.48	0.93
1:H:11:GLN:HG2	1:H:106:TYR:CD2	2.04	0.93
1:I:517:THR:CG2	1:I:546:LEU:HD21	1.98	0.93
1:K:127:ARG:HG2	1:K:292:LEU:HD13	1.50	0.93
1:L:19:PHE:CG	1:L:88:LEU:HD11	2.04	0.93
1:N:141:LEU:HD13	1:N:145:LYS:HB3	1.51	0.93
1:B:19:PHE:CE2	1:J:87:PHE:CB	2.50	0.93
1:D:19:PHE:CE2	1:L:87:PHE:CB	2.50	0.93
1:D:19:PHE:CG	1:D:88:LEU:HD11	2.04	0.93
1:D:203:ILE:CG2	1:D:231:LEU:HD22	2.00	0.93
1:E:141:LEU:HD13	1:E:145:LYS:HB3	1.51	0.93
1:F:11:GLN:HG2	1:F:106:TYR:CD2	2.04	0.93
1:G:353:ILE:HD13	1:G:426:TYR:CE2	2.03	0.93
1:H:132:LEU:HA	1:H:135:ARG:HD3	1.48	0.93
1:H:141:LEU:HD13	1:H:145:LYS:HB3	1.51	0.93
1:I:20:GLU:HB2	1:I:24:VAL:HB	1.48	0.93
1:I:557:LYS:HB2	1:I:597:UNK:N	1.84	0.93
1:M:119:VAL:CG2	1:N:278:ALA:N	2.32	0.93
1:N:148:LEU:HD23	1:N:282:HIS:HE1	1.31	0.93
1:O:353:ILE:HD13	1:O:426:TYR:CE2	2.03	0.93
1:A:119:VAL:CG2	1:H:278:ALA:N	2.32	0.92
1:A:268:PHE:HD2	1:A:271:VAL:HG23	1.32	0.92
1:D:39:ILE:HD11	1:D:75:LYS:HB3	1.51	0.92
1:D:87:PHE:CB	1:L:19:PHE:CE2	2.50	0.92

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:203:ILE:CG2	1:E:231:LEU:HD22	2.00	0.92
1:F:203:ILE:CG2	1:F:231:LEU:HD22	2.00	0.92
1:H:19:PHE:CG	1:H:88:LEU:HD11	2.04	0.92
1:I:203:ILE:CG2	1:I:231:LEU:HD22	2.00	0.92
1:J:19:PHE:CG	1:J:88:LEU:HD11	2.04	0.92
1:J:203:ILE:CG2	1:J:231:LEU:HD22	2.00	0.92
1:L:141:LEU:HD13	1:L:145:LYS:HB3	1.51	0.92
1:N:19:PHE:CG	1:N:88:LEU:HD11	2.04	0.92
1:N:132:LEU:HA	1:N:135:ARG:HD3	1.48	0.92
1:O:203:ILE:CG2	1:O:231:LEU:HD22	2.00	0.92
1:P:11:GLN:HG2	1:P:106:TYR:CD2	2.04	0.92
1:P:203:ILE:CG2	1:P:231:LEU:HD22	2.00	0.92
1:B:39:ILE:HD11	1:B:75:LYS:HB3	1.51	0.92
1:B:87:PHE:CB	1:J:19:PHE:CE2	2.50	0.92
1:B:278:ALA:N	1:C:119:VAL:CG2	2.32	0.92
1:C:127:ARG:HG2	1:C:292:LEU:HD13	1.50	0.92
1:G:203:ILE:CG2	1:G:231:LEU:HD22	2.00	0.92
1:H:557:LYS:HB2	1:H:597:UNK:N	1.84	0.92
1:J:39:ILE:HD11	1:J:75:LYS:HB3	1.51	0.92
1:J:119:VAL:CG2	1:K:278:ALA:N	2.32	0.92
1:L:39:ILE:HD11	1:L:75:LYS:HB3	1.51	0.92
1:L:40:LEU:CD1	1:L:64:THR:HG23	1.96	0.92
1:M:141:LEU:HD13	1:M:145:LYS:HB3	1.51	0.92
1:N:557:LYS:HB2	1:N:597:UNK:N	1.84	0.92
1:A:557:LYS:HB2	1:A:597:UNK:N	1.84	0.92
1:B:141:LEU:HD13	1:B:145:LYS:HB3	1.51	0.92
1:B:353:ILE:HD13	1:B:426:TYR:CE2	2.03	0.92
1:C:278:ALA:N	1:D:119:VAL:CG2	2.32	0.92
1:D:557:LYS:HB2	1:D:597:UNK:N	1.84	0.92
1:F:581:VAL:HA	1:F:1035:UNK:CB	1.99	0.92
1:H:39:ILE:HD11	1:H:75:LYS:HB3	1.51	0.92
1:I:488:ARG:HA	1:I:491:PHE:H	1.35	0.92
1:J:557:LYS:HB2	1:J:597:UNK:N	1.84	0.92
1:K:119:VAL:CG2	1:L:278:ALA:N	2.32	0.92
1:M:557:LYS:HB2	1:M:597:UNK:N	1.84	0.92
1:N:39:ILE:HD11	1:N:75:LYS:HB3	1.51	0.92
1:O:457:ASP:HB3	1:O:583:ARG:HD3	1.49	0.92
1:A:141:LEU:HD13	1:A:145:LYS:HB3	1.51	0.92
1:B:40:LEU:CD1	1:B:64:THR:HG23	1.96	0.92
1:B:132:LEU:HA	1:B:135:ARG:HD3	1.48	0.92
1:D:120:PHE:CE1	1:D:122:LYS:HA	2.05	0.92

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:278:ALA:N	1:E:119:VAL:HA	1.85	0.92
1:E:457:ASP:HB3	1:E:583:ARG:HD3	1.49	0.92
1:H:60:ARG:HE	1:H:128:LEU:HD11	1.34	0.92
1:H:405:LEU:HD11	1:H:411:VAL:HG11	1.51	0.92
1:H:488:ARG:HA	1:H:491:PHE:H	1.35	0.92
1:I:457:ASP:HB3	1:I:583:ARG:HD3	1.49	0.92
1:I:581:VAL:HA	1:I:1035:UNK:CB	1.99	0.92
1:K:11:GLN:HG2	1:K:106:TYR:CD2	2.04	0.92
1:L:132:LEU:HA	1:L:135:ARG:HD3	1.48	0.92
1:L:353:ILE:HD13	1:L:426:TYR:CE2	2.03	0.92
1:M:268:PHE:HD2	1:M:271:VAL:HG23	1.32	0.92
1:N:60:ARG:HE	1:N:128:LEU:HD11	1.34	0.92
1:N:488:ARG:HA	1:N:491:PHE:H	1.35	0.92
1:P:581:VAL:HA	1:P:1035:UNK:CB	1.99	0.92
1:B:148:LEU:HD21	1:B:253:TRP:CZ3	2.05	0.92
1:C:11:GLN:HG2	1:C:106:TYR:CD2	2.04	0.92
1:C:203:ILE:CG2	1:C:231:LEU:HD22	2.00	0.92
1:E:148:LEU:HD21	1:E:253:TRP:CZ3	2.05	0.92
1:E:278:ALA:N	1:F:119:VAL:CG2	2.32	0.92
1:E:488:ARG:HA	1:E:491:PHE:H	1.35	0.92
1:E:581:VAL:HA	1:E:1035:UNK:CB	1.99	0.92
1:F:39:ILE:HD11	1:F:75:LYS:HB3	1.51	0.92
1:F:384:ILE:HG21	1:F:463:LEU:CD2	2.00	0.92
1:F:457:ASP:HB3	1:F:583:ARG:HD3	1.49	0.92
1:I:119:VAL:HA	1:J:278:ALA:N	1.85	0.92
1:I:148:LEU:HD21	1:I:253:TRP:CZ3	2.05	0.92
1:I:278:ALA:N	1:P:119:VAL:CG2	2.32	0.92
1:J:120:PHE:CE1	1:J:122:LYS:HA	2.05	0.92
1:N:203:ILE:CG2	1:N:231:LEU:HD22	2.00	0.92
1:N:405:LEU:HD11	1:N:411:VAL:HG11	1.51	0.92
1:P:39:ILE:HD11	1:P:75:LYS:HB3	1.51	0.92
1:A:216:ASN:HD22	1:A:219:LEU:HD23	1.33	0.92
1:C:384:ILE:HG21	1:C:463:LEU:CD2	2.00	0.92
1:D:11:GLN:HG2	1:D:106:TYR:CD2	2.04	0.92
1:F:429:LEU:HA	1:F:432:LYS:HE2	1.52	0.92
1:G:60:ARG:HE	1:G:128:LEU:HD11	1.34	0.92
1:G:125:VAL:CB	1:G:297:VAL:HA	2.00	0.92
1:H:203:ILE:CG2	1:H:231:LEU:HD22	2.00	0.92
1:K:20:GLU:HB2	1:K:24:VAL:HB	1.48	0.92
1:K:203:ILE:CG2	1:K:231:LEU:HD22	2.00	0.92
1:K:384:ILE:HG21	1:K:463:LEU:CD2	2.00	0.92

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:148:LEU:HD21	1:L:253:TRP:CZ3	2.05	0.92
1:M:148:LEU:HD21	1:M:253:TRP:CZ3	2.05	0.92
1:P:384:ILE:HG21	1:P:463:LEU:CD2	2.00	0.92
1:A:148:LEU:HD21	1:A:253:TRP:CZ3	2.05	0.92
1:A:253:TRP:HE3	1:A:275:LEU:HG	1.35	0.92
1:B:219:LEU:CD1	1:C:197:GLN:HE21	1.76	0.92
1:C:87:PHE:CB	1:K:19:PHE:CZ	2.53	0.92
1:C:120:PHE:CE1	1:C:122:LYS:HA	2.05	0.92
1:D:429:LEU:HA	1:D:432:LYS:HE2	1.52	0.92
1:F:405:LEU:HD11	1:F:411:VAL:HG11	1.51	0.92
1:G:148:LEU:HD23	1:G:282:HIS:HE1	1.31	0.92
1:G:429:LEU:HA	1:G:432:LYS:HE2	1.52	0.92
1:G:457:ASP:HB3	1:G:583:ARG:HD3	1.49	0.92
1:H:125:VAL:CB	1:H:297:VAL:HA	2.00	0.92
1:I:216:ASN:HD22	1:I:219:LEU:HD23	1.33	0.92
1:I:268:PHE:HD2	1:I:271:VAL:HG23	1.32	0.92
1:J:429:LEU:HA	1:J:432:LYS:HE2	1.52	0.92
1:K:120:PHE:CE1	1:K:122:LYS:HA	2.05	0.92
1:K:405:LEU:HD11	1:K:411:VAL:HG11	1.52	0.92
1:M:132:LEU:HA	1:M:135:ARG:HD3	1.48	0.92
1:M:253:TRP:HE3	1:M:275:LEU:HG	1.35	0.92
1:N:125:VAL:CB	1:N:297:VAL:HA	2.00	0.92
1:A:120:PHE:CE1	1:A:122:LYS:HA	2.05	0.92
1:B:384:ILE:HG21	1:B:463:LEU:CD2	2.00	0.92
1:C:19:PHE:CZ	1:K:87:PHE:CB	2.53	0.92
1:C:405:LEU:HD11	1:C:411:VAL:HG11	1.52	0.92
1:E:216:ASN:HD22	1:E:219:LEU:HD23	1.33	0.92
1:F:120:PHE:CE1	1:F:122:LYS:HA	2.05	0.92
1:I:429:LEU:HA	1:I:432:LYS:HE2	1.52	0.92
1:J:11:GLN:HG2	1:J:106:TYR:CD2	2.04	0.92
1:J:119:VAL:HA	1:K:278:ALA:N	1.85	0.92
1:K:11:GLN:HG2	1:K:106:TYR:HD2	1.34	0.92
1:M:19:PHE:CG	1:M:88:LEU:HD11	2.04	0.92
1:O:125:VAL:CB	1:O:297:VAL:HA	2.00	0.92
1:O:154:GLY:HA3	1:O:322:ARG:HB3	1.50	0.92
1:O:429:LEU:HA	1:O:432:LYS:HE2	1.52	0.92
1:P:120:PHE:CE1	1:P:122:LYS:HA	2.05	0.92
1:P:405:LEU:HD11	1:P:411:VAL:HG11	1.51	0.92
1:P:429:LEU:HA	1:P:432:LYS:HE2	1.52	0.92
1:A:19:PHE:CG	1:A:88:LEU:HD11	2.04	0.92
1:A:278:ALA:N	1:B:119:VAL:HA	1.85	0.92

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:20:GLU:HB2	1:C:24:VAL:HB	1.48	0.92
1:C:278:ALA:N	1:D:119:VAL:HA	1.85	0.92
1:D:405:LEU:HD11	1:D:411:VAL:HG11	1.51	0.92
1:F:278:ALA:N	1:G:119:VAL:CG2	2.32	0.92
1:H:40:LEU:CD1	1:H:64:THR:HG23	1.96	0.92
1:J:119:VAL:CA	1:K:277:ALA:CA	2.22	0.92
1:K:19:PHE:CG	1:K:88:LEU:HD11	2.04	0.92
1:L:119:VAL:HA	1:M:278:ALA:N	1.85	0.92
1:L:384:ILE:HG21	1:L:463:LEU:CD2	2.00	0.92
1:N:40:LEU:CD1	1:N:64:THR:HG23	1.96	0.92
1:N:119:VAL:CG2	1:O:278:ALA:N	2.32	0.92
1:O:60:ARG:HE	1:O:128:LEU:HD11	1.34	0.92
1:O:119:VAL:HA	1:P:278:ALA:N	1.85	0.92
1:O:119:VAL:CG2	1:P:278:ALA:N	2.32	0.92
1:P:457:ASP:HB3	1:P:583:ARG:HD3	1.49	0.92
1:A:132:LEU:HA	1:A:135:ARG:HD3	1.48	0.92
1:E:127:ARG:HG2	1:E:292:LEU:HD13	1.50	0.92
1:E:429:LEU:HA	1:E:432:LYS:HE2	1.52	0.92
1:F:125:VAL:CB	1:F:297:VAL:HA	2.00	0.92
1:F:278:ALA:N	1:G:119:VAL:HA	1.85	0.92
1:G:148:LEU:HD21	1:G:253:TRP:CZ3	2.05	0.92
1:G:154:GLY:HA3	1:G:322:ARG:HB3	1.50	0.92
1:G:278:ALA:N	1:H:119:VAL:CG2	2.32	0.92
1:I:127:ARG:HG2	1:I:292:LEU:HD13	1.50	0.92
1:I:384:ILE:HG21	1:I:463:LEU:CD2	2.00	0.92
1:I:405:LEU:HD11	1:I:411:VAL:HG11	1.52	0.92
1:M:125:VAL:CB	1:M:297:VAL:HA	2.00	0.92
1:M:216:ASN:HD22	1:M:219:LEU:HD23	1.33	0.92
1:O:148:LEU:HD21	1:O:253:TRP:CZ3	2.05	0.92
1:O:148:LEU:HD23	1:O:282:HIS:HE1	1.31	0.92
1:A:125:VAL:CB	1:A:297:VAL:HA	2.00	0.91
1:C:19:PHE:CG	1:C:88:LEU:HD11	2.04	0.91
1:C:60:ARG:HE	1:C:128:LEU:HD11	1.34	0.91
1:E:268:PHE:HD2	1:E:271:VAL:HG23	1.32	0.91
1:F:87:PHE:CB	1:N:19:PHE:CZ	2.53	0.91
1:G:488:ARG:HA	1:G:491:PHE:H	1.35	0.91
1:H:19:PHE:CZ	1:P:87:PHE:CB	2.53	0.91
1:J:405:LEU:HD11	1:J:411:VAL:HG11	1.51	0.91
1:J:457:ASP:HB3	1:J:583:ARG:HD3	1.49	0.91
1:K:60:ARG:HE	1:K:128:LEU:HD11	1.34	0.91
1:K:197:GLN:HE21	1:L:219:LEU:CD1	1.76	0.91

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:488:ARG:HA	1:M:491:PHE:H	1.35	0.91
1:P:268:PHE:HD2	1:P:271:VAL:HG23	1.32	0.91
1:B:60:ARG:HE	1:B:128:LEU:HD11	1.34	0.91
1:B:154:GLY:HA3	1:B:322:ARG:HB3	1.50	0.91
1:B:385:LEU:HD13	1:B:466:TYR:CG	2.06	0.91
1:B:405:LEU:HD11	1:B:411:VAL:HG11	1.51	0.91
1:C:11:GLN:HG2	1:C:106:TYR:HD2	1.34	0.91
1:D:125:VAL:CB	1:D:297:VAL:HA	2.00	0.91
1:D:384:ILE:HG21	1:D:463:LEU:CD2	2.00	0.91
1:D:457:ASP:HB3	1:D:583:ARG:HD3	1.49	0.91
1:E:125:VAL:CB	1:E:297:VAL:HA	2.00	0.91
1:E:384:ILE:HG21	1:E:463:LEU:CD2	2.00	0.91
1:E:405:LEU:HD11	1:E:411:VAL:HG11	1.52	0.91
1:F:40:LEU:CD1	1:F:64:THR:HG23	1.96	0.91
1:G:219:LEU:HD11	1:H:197:GLN:HE21	1.09	0.91
1:J:154:GLY:HA3	1:J:322:ARG:HB3	1.50	0.91
1:L:60:ARG:HE	1:L:128:LEU:HD11	1.34	0.91
1:L:385:LEU:HD13	1:L:466:TYR:CG	2.06	0.91
1:M:120:PHE:CE1	1:M:122:LYS:HA	2.05	0.91
1:N:197:GLN:HE21	1:O:219:LEU:HD11	1.09	0.91
1:P:125:VAL:CB	1:P:297:VAL:HA	2.00	0.91
1:A:19:PHE:CZ	1:I:87:PHE:CB	2.53	0.91
1:A:488:ARG:HA	1:A:491:PHE:H	1.35	0.91
1:B:120:PHE:CE1	1:B:122:LYS:HA	2.05	0.91
1:C:125:VAL:CB	1:C:297:VAL:HA	2.00	0.91
1:C:385:LEU:HD13	1:C:466:TYR:CG	2.06	0.91
1:D:87:PHE:CB	1:L:19:PHE:CZ	2.53	0.91
1:I:19:PHE:CG	1:I:88:LEU:HD11	2.04	0.91
1:J:268:PHE:HD2	1:J:271:VAL:HG23	1.32	0.91
1:K:385:LEU:HD13	1:K:466:TYR:CG	2.06	0.91
1:N:127:ARG:HG2	1:N:292:LEU:HD13	1.50	0.91
1:O:19:PHE:CG	1:O:88:LEU:HD11	2.04	0.91
1:O:405:LEU:HD11	1:O:411:VAL:HG11	1.52	0.91
1:O:488:ARG:HA	1:O:491:PHE:H	1.35	0.91
1:B:19:PHE:CZ	1:J:87:PHE:CB	2.53	0.91
1:C:268:PHE:HD2	1:C:271:VAL:HG23	1.32	0.91
1:D:154:GLY:HA3	1:D:322:ARG:HB3	1.50	0.91
1:E:19:PHE:CG	1:E:88:LEU:HD11	2.04	0.91
1:E:87:PHE:CB	1:M:19:PHE:CZ	2.53	0.91
1:F:148:LEU:HD21	1:F:253:TRP:CZ3	2.05	0.91
1:G:19:PHE:CG	1:G:88:LEU:HD11	2.04	0.91

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:216:ASN:HD22	1:G:219:LEU:HD23	1.33	0.91
1:I:120:PHE:CE1	1:I:122:LYS:HA	2.05	0.91
1:I:125:VAL:CB	1:I:297:VAL:HA	2.00	0.91
1:I:154:GLY:HA3	1:I:322:ARG:HB3	1.50	0.91
1:J:125:VAL:CB	1:J:297:VAL:HA	2.00	0.91
1:J:148:LEU:HD21	1:J:253:TRP:CZ3	2.05	0.91
1:L:120:PHE:CE1	1:L:122:LYS:HA	2.05	0.91
1:L:154:GLY:HA3	1:L:322:ARG:HB3	1.50	0.91
1:L:405:LEU:HD11	1:L:411:VAL:HG11	1.51	0.91
1:O:216:ASN:HD22	1:O:219:LEU:HD23	1.33	0.91
1:P:148:LEU:HD21	1:P:253:TRP:CZ3	2.05	0.91
1:A:382:PRO:HA	1:A:419:THR:HG22	1.53	0.91
1:B:11:GLN:HG2	1:B:106:TYR:CD2	2.04	0.91
1:C:277:ALA:CA	1:D:119:VAL:CA	2.22	0.91
1:C:457:ASP:HB3	1:C:583:ARG:HD3	1.49	0.91
1:D:127:ARG:HG2	1:D:292:LEU:HD13	1.50	0.91
1:D:148:LEU:HD21	1:D:253:TRP:CZ3	2.05	0.91
1:E:385:LEU:HD13	1:E:466:TYR:CG	2.06	0.91
1:F:219:LEU:HD11	1:G:197:GLN:HE21	1.09	0.91
1:F:268:PHE:HD2	1:F:271:VAL:HG23	1.32	0.91
1:G:40:LEU:CD1	1:G:64:THR:HG23	1.96	0.91
1:H:384:ILE:HG21	1:H:463:LEU:CD2	2.00	0.91
1:H:385:LEU:HD13	1:H:466:TYR:CG	2.06	0.91
1:I:385:LEU:HD13	1:I:466:TYR:CG	2.06	0.91
1:J:384:ILE:HG21	1:J:463:LEU:CD2	2.00	0.91
1:K:125:VAL:CB	1:K:297:VAL:HA	2.00	0.91
1:K:457:ASP:HB3	1:K:583:ARG:HD3	1.49	0.91
1:M:382:PRO:HA	1:M:419:THR:HG22	1.52	0.91
1:N:384:ILE:HG21	1:N:463:LEU:CD2	2.00	0.91
1:O:382:PRO:HG2	1:O:385:LEU:HD12	1.52	0.91
1:B:37:LYS:HZ3	1:B:39:ILE:HG12	1.34	0.91
1:B:203:ILE:CG2	1:B:231:LEU:HD22	2.00	0.91
1:B:278:ALA:N	1:C:119:VAL:HA	1.85	0.91
1:D:19:PHE:CZ	1:L:87:PHE:CB	2.53	0.91
1:E:120:PHE:CE1	1:E:122:LYS:HA	2.05	0.91
1:E:154:GLY:HA3	1:E:322:ARG:HB3	1.50	0.91
1:F:488:ARG:HA	1:F:491:PHE:H	1.35	0.91
1:G:382:PRO:HG2	1:G:385:LEU:HD12	1.52	0.91
1:G:405:LEU:HD11	1:G:411:VAL:HG11	1.52	0.91
1:H:429:LEU:HA	1:H:432:LYS:HE2	1.52	0.91
1:J:216:ASN:HD22	1:J:219:LEU:HD23	1.33	0.91

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:385:LEU:HD13	1:J:466:TYR:CG	2.06	0.91
1:L:11:GLN:HG2	1:L:106:TYR:CD2	2.04	0.91
1:N:385:LEU:HD13	1:N:466:TYR:CG	2.06	0.91
1:N:429:LEU:HA	1:N:432:LYS:HE2	1.52	0.91
1:O:197:GLN:HE21	1:P:219:LEU:HD11	1.09	0.91
1:P:40:LEU:CD1	1:P:64:THR:HG23	1.96	0.91
1:B:87:PHE:CB	1:J:19:PHE:CZ	2.53	0.91
1:B:268:PHE:HD2	1:B:271:VAL:HG23	1.32	0.91
1:C:148:LEU:HD21	1:C:253:TRP:CZ3	2.05	0.91
1:D:268:PHE:HD2	1:D:271:VAL:HG23	1.32	0.91
1:G:219:LEU:CD1	1:H:197:GLN:HE21	1.76	0.91
1:H:127:ARG:HG2	1:H:292:LEU:HD13	1.50	0.91
1:H:148:LEU:HD21	1:H:253:TRP:CZ3	2.05	0.91
1:H:216:ASN:HD22	1:H:219:LEU:HD23	1.33	0.91
1:K:132:LEU:HA	1:K:135:ARG:HD3	1.48	0.91
1:L:203:ILE:CG2	1:L:231:LEU:HD22	2.00	0.91
1:L:268:PHE:HD2	1:L:271:VAL:HG23	1.32	0.91
1:M:203:ILE:CG2	1:M:231:LEU:HD22	2.00	0.91
1:M:405:LEU:HD11	1:M:411:VAL:HG11	1.52	0.91
1:N:382:PRO:HG2	1:N:385:LEU:HD12	1.52	0.91
1:A:197:GLN:HE21	1:H:219:LEU:HD11	1.09	0.91
1:A:384:ILE:HG21	1:A:463:LEU:CD2	2.00	0.91
1:C:132:LEU:HA	1:C:135:ARG:HD3	1.48	0.91
1:C:429:LEU:HA	1:C:432:LYS:HE2	1.52	0.91
1:D:60:ARG:HE	1:D:128:LEU:HD11	1.34	0.91
1:D:385:LEU:HD13	1:D:466:TYR:CG	2.06	0.91
1:E:40:LEU:CD1	1:E:64:THR:HG23	1.96	0.91
1:G:120:PHE:CE1	1:G:122:LYS:HA	2.05	0.91
1:H:382:PRO:HG2	1:H:385:LEU:HD12	1.52	0.91
1:J:127:ARG:HG2	1:J:292:LEU:HD13	1.50	0.91
1:K:119:VAL:HA	1:L:278:ALA:N	1.85	0.91
1:K:268:PHE:HD2	1:K:271:VAL:HG23	1.32	0.91
1:K:429:LEU:HA	1:K:432:LYS:HE2	1.52	0.91
1:L:253:TRP:HE3	1:L:275:LEU:HG	1.35	0.91
1:M:197:GLN:HE21	1:N:219:LEU:HD11	1.09	0.91
1:M:384:ILE:HG21	1:M:463:LEU:CD2	2.00	0.91
1:N:216:ASN:HD22	1:N:219:LEU:HD23	1.33	0.91
1:A:203:ILE:CG2	1:A:231:LEU:HD22	2.00	0.91
1:A:405:LEU:HD11	1:A:411:VAL:HG11	1.52	0.91
1:G:278:ALA:N	1:H:119:VAL:HA	1.85	0.91
1:G:359:VAL:HG13	1:G:360:LEU:HD12	1.52	0.91

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:39:ILE:HD11	1:I:75:LYS:HB3	1.52	0.91
1:J:60:ARG:HE	1:J:128:LEU:HD11	1.34	0.91
1:K:148:LEU:HD21	1:K:253:TRP:CZ3	2.05	0.91
1:L:125:VAL:CB	1:L:297:VAL:HA	2.00	0.91
1:N:148:LEU:HD21	1:N:253:TRP:CZ3	2.05	0.91
1:N:197:GLN:HE21	1:O:219:LEU:CD1	1.76	0.91
1:O:40:LEU:CD1	1:O:64:THR:HG23	1.96	0.91
1:O:120:PHE:CE1	1:O:122:LYS:HA	2.05	0.91
1:C:488:ARG:HA	1:C:491:PHE:H	1.35	0.91
1:E:277:ALA:O	1:F:119:VAL:CA	1.78	0.91
1:G:384:ILE:HG21	1:G:463:LEU:CD2	2.00	0.91
1:G:385:LEU:HD13	1:G:466:TYR:CG	2.06	0.91
1:J:509:ASN:HA	1:J:648:UNK:CA	2.01	0.91
1:M:509:ASN:HA	1:M:648:UNK:CA	2.01	0.91
1:N:119:VAL:HA	1:O:278:ALA:N	1.85	0.91
1:O:359:VAL:HG13	1:O:360:LEU:HD12	1.52	0.91
1:O:385:LEU:HD13	1:O:466:TYR:CG	2.06	0.91
1:P:488:ARG:HA	1:P:491:PHE:H	1.35	0.91
1:A:200:LEU:HD13	1:A:208:THR:HG22	1.53	0.90
1:A:509:ASN:HA	1:A:648:UNK:CA	2.01	0.90
1:B:125:VAL:CB	1:B:297:VAL:HA	2.00	0.90
1:D:216:ASN:HD22	1:D:219:LEU:HD23	1.33	0.90
1:D:509:ASN:HA	1:D:648:UNK:CA	2.01	0.90
1:F:219:LEU:CD1	1:G:197:GLN:HE21	1.76	0.90
1:H:120:PHE:CE1	1:H:122:LYS:HA	2.05	0.90
1:H:359:VAL:HG13	1:H:360:LEU:HD12	1.52	0.90
1:N:268:PHE:HD2	1:N:271:VAL:HG23	1.32	0.90
1:P:382:PRO:HG2	1:P:385:LEU:HD12	1.52	0.90
1:A:3:PHE:CE2	1:H:141:LEU:CG	2.55	0.90
1:B:253:TRP:HE3	1:B:275:LEU:HG	1.35	0.90
1:E:8:HIS:CB	1:E:95:GLU:HG3	2.01	0.90
1:E:39:ILE:HD11	1:E:75:LYS:HB3	1.52	0.90
1:F:382:PRO:HG2	1:F:385:LEU:HD12	1.52	0.90
1:G:200:LEU:HD13	1:G:208:THR:HG22	1.53	0.90
1:H:253:TRP:HE3	1:H:275:LEU:HG	1.35	0.90
1:I:8:HIS:CB	1:I:95:GLU:HG3	2.01	0.90
1:I:253:TRP:HE3	1:I:275:LEU:HG	1.35	0.90
1:L:509:ASN:HA	1:L:648:UNK:CA	2.01	0.90
1:M:3:PHE:CE2	1:N:141:LEU:CG	2.55	0.90
1:M:200:LEU:HD13	1:M:208:THR:HG22	1.53	0.90
1:O:384:ILE:HG21	1:O:463:LEU:CD2	2.00	0.90

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:509:ASN:HA	1:O:648:UNK:CA	2.01	0.90
1:P:8:HIS:CB	1:P:95:GLU:HG3	2.01	0.90
1:A:153:LEU:HD23	1:A:322:ARG:HD2	1.54	0.90
1:A:219:LEU:CD1	1:B:197:GLN:HE21	1.76	0.90
1:B:509:ASN:HA	1:B:648:UNK:CA	2.01	0.90
1:E:278:ALA:N	1:F:119:VAL:HA	1.85	0.90
1:F:8:HIS:CB	1:F:95:GLU:HG3	2.01	0.90
1:H:268:PHE:HD2	1:H:271:VAL:HG23	1.32	0.90
1:I:40:LEU:CD1	1:I:64:THR:HG23	1.96	0.90
1:K:488:ARG:HA	1:K:491:PHE:H	1.35	0.90
1:M:10:TYR:HE2	1:M:106:TYR:HB3	1.32	0.90
1:M:60:ARG:HE	1:M:128:LEU:HD11	1.34	0.90
1:N:200:LEU:HD13	1:N:208:THR:HG22	1.54	0.90
1:N:509:ASN:HA	1:N:648:UNK:CA	2.01	0.90
1:O:197:GLN:HE21	1:P:219:LEU:CD1	1.76	0.90
1:O:200:LEU:HD13	1:O:208:THR:HG22	1.53	0.90
1:P:253:TRP:HE3	1:P:275:LEU:HG	1.35	0.90
1:A:60:ARG:HE	1:A:128:LEU:HD11	1.34	0.90
1:B:8:HIS:CB	1:B:95:GLU:HG3	2.01	0.90
1:B:200:LEU:HD13	1:B:208:THR:HG22	1.54	0.90
1:E:141:LEU:CG	1:F:3:PHE:CE2	2.55	0.90
1:E:253:TRP:HE3	1:E:275:LEU:HG	1.35	0.90
1:G:509:ASN:HA	1:G:648:UNK:CA	2.01	0.90
1:H:200:LEU:HD13	1:H:208:THR:HG22	1.54	0.90
1:H:357:LEU:CD1	1:H:366:ARG:HD3	2.02	0.90
1:H:509:ASN:HA	1:H:648:UNK:CA	2.01	0.90
1:I:141:LEU:CG	1:P:3:PHE:CE2	2.55	0.90
1:I:278:ALA:N	1:P:119:VAL:HA	1.85	0.90
1:J:253:TRP:HE3	1:J:275:LEU:HG	1.35	0.90
1:K:154:GLY:HA3	1:K:322:ARG:HB3	1.50	0.90
1:L:200:LEU:HD13	1:L:208:THR:HG22	1.54	0.90
1:M:119:VAL:HA	1:N:278:ALA:N	1.85	0.90
1:M:153:LEU:HD23	1:M:322:ARG:HD2	1.54	0.90
1:M:385:LEU:HD13	1:M:466:TYR:CG	2.06	0.90
1:N:253:TRP:HE3	1:N:275:LEU:HG	1.35	0.90
1:N:359:VAL:HG13	1:N:360:LEU:HD12	1.52	0.90
1:O:253:TRP:HE3	1:O:275:LEU:HG	1.35	0.90
1:C:154:GLY:HA3	1:C:322:ARG:HB3	1.50	0.90
1:E:153:LEU:HD23	1:E:322:ARG:HD2	1.54	0.90
1:F:154:GLY:HA3	1:F:322:ARG:HB3	1.50	0.90
1:F:216:ASN:HD22	1:F:219:LEU:HD23	1.33	0.90

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:153:LEU:HD23	1:I:322:ARG:HD2	1.54	0.90
1:L:8:HIS:CB	1:L:95:GLU:HG3	2.01	0.90
1:N:120:PHE:CE1	1:N:122:LYS:HA	2.05	0.90
1:N:357:LEU:CD1	1:N:366:ARG:HD3	2.02	0.90
1:O:268:PHE:HD2	1:O:271:VAL:HG23	1.32	0.90
1:O:357:LEU:CD1	1:O:366:ARG:HD3	2.02	0.90
1:P:216:ASN:HD22	1:P:219:LEU:HD23	1.33	0.90
1:P:509:ASN:HA	1:P:648:UNK:CA	2.01	0.90
1:A:119:VAL:HA	1:H:278:ALA:N	1.85	0.90
1:A:385:LEU:HD13	1:A:466:TYR:CG	2.06	0.90
1:C:8:HIS:CB	1:C:95:GLU:HG3	2.01	0.90
1:D:40:LEU:CD1	1:D:64:THR:HG23	1.96	0.90
1:D:253:TRP:HE3	1:D:275:LEU:HG	1.35	0.90
1:F:253:TRP:HE3	1:F:275:LEU:HG	1.35	0.90
1:F:509:ASN:HA	1:F:648:UNK:CA	2.01	0.90
1:G:357:LEU:CD1	1:G:366:ARG:HD3	2.02	0.90
1:I:200:LEU:HD13	1:I:208:THR:HG22	1.53	0.90
1:I:277:ALA:O	1:P:119:VAL:CA	1.78	0.90
1:L:153:LEU:HD23	1:L:322:ARG:HD2	1.54	0.90
1:N:382:PRO:HA	1:N:419:THR:HG22	1.52	0.90
1:P:200:LEU:HD13	1:P:208:THR:HG22	1.54	0.90
1:A:8:HIS:CB	1:A:95:GLU:HG3	2.01	0.90
1:A:141:LEU:CG	1:B:3:PHE:CE2	2.55	0.90
1:A:357:LEU:CD1	1:A:366:ARG:HD3	2.02	0.90
1:B:153:LEU:HD23	1:B:322:ARG:HD2	1.54	0.90
1:D:411:VAL:HG23	1:D:412:GLU:H	1.37	0.90
1:E:200:LEU:HD13	1:E:208:THR:HG22	1.53	0.90
1:G:253:TRP:HE3	1:G:275:LEU:HG	1.35	0.90
1:J:11:GLN:HG2	1:J:106:TYR:HD2	1.33	0.90
1:J:357:LEU:CD1	1:J:366:ARG:HD3	2.02	0.90
1:K:8:HIS:CB	1:K:95:GLU:HG3	2.01	0.90
1:L:3:PHE:CE2	1:M:141:LEU:CG	2.55	0.90
1:M:357:LEU:CD1	1:M:366:ARG:HD3	2.02	0.90
1:P:154:GLY:HA3	1:P:322:ARG:HB3	1.50	0.90
1:A:39:ILE:HD11	1:A:75:LYS:HB3	1.52	0.90
1:B:488:ARG:HA	1:B:491:PHE:H	1.35	0.90
1:C:359:VAL:HG13	1:C:360:LEU:HD12	1.52	0.90
1:D:357:LEU:CD1	1:D:366:ARG:HD3	2.02	0.90
1:F:87:PHE:CZ	1:N:87:PHE:CZ	2.60	0.90
1:F:200:LEU:HD13	1:F:208:THR:HG22	1.54	0.90
1:G:268:PHE:HD2	1:G:271:VAL:HG23	1.32	0.90

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:87:PHE:CZ	1:P:87:PHE:CZ	2.60	0.90
1:H:382:PRO:HA	1:H:419:THR:HG22	1.52	0.90
1:K:359:VAL:HG13	1:K:360:LEU:HD12	1.52	0.90
1:L:197:GLN:HE21	1:M:219:LEU:CD1	1.76	0.90
1:L:359:VAL:HG13	1:L:360:LEU:HD12	1.52	0.90
1:L:488:ARG:HA	1:L:491:PHE:H	1.35	0.90
1:M:8:HIS:CB	1:M:95:GLU:HG3	2.01	0.90
1:A:87:PHE:CZ	1:I:87:PHE:CZ	2.60	0.90
1:A:197:GLN:HE21	1:H:219:LEU:CD1	1.76	0.90
1:C:153:LEU:HD23	1:C:322:ARG:HD2	1.54	0.90
1:C:253:TRP:HE3	1:C:275:LEU:HG	1.35	0.90
1:E:87:PHE:CZ	1:M:87:PHE:CZ	2.60	0.90
1:E:219:LEU:HD11	1:F:197:GLN:HE21	1.09	0.90
1:G:87:PHE:CB	1:O:19:PHE:CZ	2.53	0.90
1:G:87:PHE:CZ	1:O:87:PHE:CZ	2.60	0.90
1:H:153:LEU:HD23	1:H:322:ARG:HD2	1.54	0.90
1:H:257:ASN:OD1	1:H:279:THR:HG23	1.72	0.90
1:J:411:VAL:HG23	1:J:412:GLU:H	1.37	0.90
1:K:39:ILE:HD11	1:K:75:LYS:HB3	1.52	0.90
1:K:153:LEU:HD23	1:K:322:ARG:HD2	1.54	0.90
1:K:253:TRP:HE3	1:K:275:LEU:HG	1.35	0.90
1:M:382:PRO:HG2	1:M:385:LEU:HD12	1.52	0.90
1:N:411:VAL:HG23	1:N:412:GLU:H	1.37	0.90
1:A:20:GLU:HG3	1:A:85:TYR:CE2	2.07	0.90
1:A:382:PRO:HG2	1:A:385:LEU:HD12	1.52	0.90
1:B:357:LEU:CD1	1:B:366:ARG:HD3	2.02	0.90
1:D:153:LEU:HD23	1:D:322:ARG:HD2	1.54	0.90
1:F:20:GLU:HG3	1:F:85:TYR:CE2	2.07	0.90
1:I:3:PHE:CE2	1:J:141:LEU:CG	2.55	0.90
1:M:20:GLU:HG3	1:M:85:TYR:CE2	2.07	0.90
1:M:197:GLN:HE21	1:N:219:LEU:CD1	1.76	0.90
1:M:429:LEU:HA	1:M:432:LYS:HE2	1.52	0.90
1:N:153:LEU:HD23	1:N:322:ARG:HD2	1.54	0.90
1:N:257:ASN:OD1	1:N:279:THR:HG23	1.72	0.90
1:O:411:VAL:HG23	1:O:412:GLU:H	1.37	0.90
1:P:20:GLU:HG3	1:P:85:TYR:CE2	2.07	0.90
1:A:429:LEU:HA	1:A:432:LYS:HE2	1.52	0.89
1:B:359:VAL:HG13	1:B:360:LEU:HD12	1.52	0.89
1:C:200:LEU:HD13	1:C:208:THR:HG22	1.53	0.89
1:D:11:GLN:HG2	1:D:106:TYR:HD2	1.33	0.89
1:D:141:LEU:CG	1:E:3:PHE:CE2	2.55	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:387:SER:HB3	1:D:391:PHE:CE2	2.07	0.89
1:E:509:ASN:HA	1:E:648:UNK:CA	2.01	0.89
1:F:19:PHE:CZ	1:N:87:PHE:CB	2.53	0.89
1:F:153:LEU:HD23	1:F:322:ARG:HD2	1.54	0.89
1:F:385:LEU:HD13	1:F:466:TYR:CG	2.06	0.89
1:G:19:PHE:CZ	1:O:87:PHE:CB	2.53	0.89
1:H:411:VAL:HG23	1:H:412:GLU:H	1.37	0.89
1:I:219:LEU:HD11	1:P:197:GLN:HE21	1.09	0.89
1:J:40:LEU:CD1	1:J:64:THR:HG23	1.96	0.89
1:J:387:SER:HB3	1:J:391:PHE:CE2	2.07	0.89
1:K:200:LEU:HD13	1:K:208:THR:HG22	1.53	0.89
1:O:8:HIS:CB	1:O:95:GLU:HG3	2.01	0.89
1:O:20:GLU:HG3	1:O:85:TYR:CE2	2.07	0.89
1:P:153:LEU:HD23	1:P:322:ARG:HD2	1.54	0.89
1:P:359:VAL:HG13	1:P:360:LEU:HD12	1.52	0.89
1:B:429:LEU:HA	1:B:432:LYS:HE2	1.52	0.89
1:E:357:LEU:CD1	1:E:366:ARG:HD3	2.02	0.89
1:E:387:SER:HB3	1:E:391:PHE:CE2	2.08	0.89
1:F:60:ARG:HE	1:F:128:LEU:HD11	1.34	0.89
1:F:257:ASN:OD1	1:F:279:THR:HG23	1.72	0.89
1:F:359:VAL:HG13	1:F:360:LEU:HD12	1.52	0.89
1:G:8:HIS:CB	1:G:95:GLU:HG3	2.01	0.89
1:G:20:GLU:HG3	1:G:85:TYR:CE2	2.07	0.89
1:G:380:HIS:CE1	1:G:419:THR:HG21	2.08	0.89
1:G:382:PRO:HA	1:G:419:THR:HG22	1.53	0.89
1:G:387:SER:HB3	1:G:391:PHE:CE2	2.08	0.89
1:G:411:VAL:HG23	1:G:412:GLU:H	1.37	0.89
1:H:20:GLU:HG3	1:H:85:TYR:CE2	2.07	0.89
1:H:87:PHE:CB	1:P:19:PHE:CZ	2.53	0.89
1:H:180:TRP:CZ3	1:H:243:VAL:HG11	2.07	0.89
1:I:387:SER:HB3	1:I:391:PHE:CE2	2.08	0.89
1:J:153:LEU:HD23	1:J:322:ARG:HD2	1.54	0.89
1:J:382:PRO:HG2	1:J:385:LEU:HD12	1.52	0.89
1:K:40:LEU:CD1	1:K:64:THR:HG23	1.96	0.89
1:L:357:LEU:CD1	1:L:366:ARG:HD3	2.02	0.89
1:M:39:ILE:HD11	1:M:75:LYS:HB3	1.52	0.89
1:O:387:SER:HB3	1:O:391:PHE:CE2	2.07	0.89
1:P:257:ASN:OD1	1:P:279:THR:HG23	1.72	0.89
1:A:87:PHE:CB	1:I:19:PHE:CZ	2.53	0.89
1:C:39:ILE:HD11	1:C:75:LYS:HB3	1.52	0.89
1:C:148:LEU:HD11	1:C:253:TRP:CH2	2.07	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:380:HIS:CE1	1:C:419:THR:HG21	2.08	0.89
1:D:8:HIS:CB	1:D:95:GLU:HG3	2.01	0.89
1:D:200:LEU:HD13	1:D:208:THR:HG22	1.54	0.89
1:E:20:GLU:HG3	1:E:85:TYR:CE2	2.07	0.89
1:F:180:TRP:CZ3	1:F:243:VAL:HG11	2.07	0.89
1:F:368:MET:HB3	1:F:390:TRP:CZ2	2.08	0.89
1:F:411:VAL:HG23	1:F:412:GLU:H	1.37	0.89
1:I:357:LEU:CD1	1:I:366:ARG:HD3	2.02	0.89
1:I:509:ASN:HA	1:I:648:UNK:CA	2.01	0.89
1:J:8:HIS:CB	1:J:95:GLU:HG3	2.01	0.89
1:J:200:LEU:HD13	1:J:208:THR:HG22	1.54	0.89
1:M:411:VAL:HG23	1:M:412:GLU:H	1.37	0.89
1:N:20:GLU:HG3	1:N:85:TYR:CE2	2.07	0.89
1:N:180:TRP:CZ3	1:N:243:VAL:HG11	2.07	0.89
1:O:39:ILE:HD11	1:O:75:LYS:HB3	1.52	0.89
1:P:368:MET:HB3	1:P:390:TRP:CZ2	2.08	0.89
1:P:385:LEU:HD13	1:P:466:TYR:CG	2.06	0.89
1:B:20:GLU:HG3	1:B:85:TYR:CE2	2.07	0.89
1:D:382:PRO:HG2	1:D:385:LEU:HD12	1.52	0.89
1:E:60:ARG:HE	1:E:128:LEU:HD11	1.34	0.89
1:E:380:HIS:CE1	1:E:419:THR:HG21	2.08	0.89
1:E:382:PRO:HA	1:E:419:THR:HG22	1.53	0.89
1:I:20:GLU:HG3	1:I:85:TYR:CE2	2.07	0.89
1:I:180:TRP:CZ3	1:I:243:VAL:HG11	2.07	0.89
1:I:380:HIS:CE1	1:I:419:THR:HG21	2.08	0.89
1:I:382:PRO:HA	1:I:419:THR:HG22	1.53	0.89
1:K:148:LEU:HD11	1:K:253:TRP:CH2	2.07	0.89
1:L:429:LEU:HA	1:L:432:LYS:HE2	1.52	0.89
1:O:380:HIS:CE1	1:O:419:THR:HG21	2.08	0.89
1:O:382:PRO:HA	1:O:419:THR:HG22	1.52	0.89
1:P:127:ARG:HG2	1:P:292:LEU:HD13	1.50	0.89
1:P:180:TRP:CZ3	1:P:243:VAL:HG11	2.07	0.89
1:P:387:SER:HB3	1:P:391:PHE:CE2	2.07	0.89
1:A:380:HIS:CE1	1:A:419:THR:HG21	2.08	0.89
1:A:411:VAL:HG23	1:A:412:GLU:H	1.37	0.89
1:B:411:VAL:HG23	1:B:412:GLU:H	1.37	0.89
1:C:20:GLU:HG3	1:C:85:TYR:CE2	2.07	0.89
1:C:40:LEU:CD1	1:C:64:THR:HG23	1.96	0.89
1:C:509:ASN:HA	1:C:648:UNK:CA	2.01	0.89
1:D:20:GLU:HG3	1:D:85:TYR:CE2	2.07	0.89
1:D:131:TYR:CD2	1:D:132:LEU:HD22	2.08	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:19:PHE:CZ	1:M:87:PHE:CB	2.53	0.89
1:E:180:TRP:CZ3	1:E:243:VAL:HG11	2.07	0.89
1:F:131:TYR:CD2	1:F:132:LEU:HD22	2.08	0.89
1:F:387:SER:HB3	1:F:391:PHE:CE2	2.07	0.89
1:I:60:ARG:HE	1:I:128:LEU:HD11	1.34	0.89
1:J:131:TYR:CD2	1:J:132:LEU:HD22	2.08	0.89
1:K:3:PHE:CE2	1:L:141:LEU:CG	2.55	0.89
1:K:357:LEU:CD1	1:K:366:ARG:HD3	2.02	0.89
1:K:509:ASN:HA	1:K:648:UNK:CA	2.01	0.89
1:O:180:TRP:CZ3	1:O:243:VAL:HG11	2.07	0.89
1:P:357:LEU:CD1	1:P:366:ARG:HD3	2.02	0.89
1:A:203:ILE:HG23	1:A:231:LEU:HD22	1.55	0.89
1:B:131:TYR:HD2	1:B:132:LEU:HD22	1.38	0.89
1:B:141:LEU:CG	1:C:3:PHE:CE2	2.55	0.89
1:B:382:PRO:HA	1:B:419:THR:HG22	1.52	0.89
1:C:203:ILE:HG23	1:C:231:LEU:HD22	1.55	0.89
1:C:387:SER:HB3	1:C:391:PHE:CE2	2.08	0.89
1:C:1191:UNK:HA	1:C:1222:UNK:CB	2.03	0.89
1:E:11:GLN:HG2	1:E:106:TYR:HD2	1.34	0.89
1:F:382:PRO:HA	1:F:419:THR:HG22	1.52	0.89
1:G:180:TRP:CZ3	1:G:243:VAL:HG11	2.07	0.89
1:H:368:MET:HB3	1:H:390:TRP:CZ2	2.08	0.89
1:I:11:GLN:HG2	1:I:106:TYR:HD2	1.34	0.89
1:J:3:PHE:CE2	1:K:141:LEU:CG	2.55	0.89
1:J:20:GLU:HG3	1:J:85:TYR:CE2	2.07	0.89
1:J:257:ASN:OD1	1:J:279:THR:HG23	1.72	0.89
1:K:20:GLU:HG3	1:K:85:TYR:CE2	2.07	0.89
1:K:203:ILE:HG23	1:K:231:LEU:HD22	1.55	0.89
1:K:380:HIS:CE1	1:K:419:THR:HG21	2.08	0.89
1:K:387:SER:HB3	1:K:391:PHE:CE2	2.07	0.89
1:L:20:GLU:HG3	1:L:85:TYR:CE2	2.07	0.89
1:L:197:GLN:HE21	1:M:219:LEU:HD11	1.09	0.89
1:L:411:VAL:HG23	1:L:412:GLU:H	1.37	0.89
1:M:368:MET:HB3	1:M:390:TRP:CZ2	2.08	0.89
1:O:153:LEU:HD23	1:O:322:ARG:HD2	1.54	0.89
1:P:131:TYR:CD2	1:P:132:LEU:HD22	2.08	0.89
1:P:382:PRO:HA	1:P:419:THR:HG22	1.52	0.89
1:P:411:VAL:HG23	1:P:412:GLU:H	1.37	0.89
1:A:359:VAL:HG13	1:A:360:LEU:HD12	1.52	0.89
1:A:368:MET:HB3	1:A:390:TRP:CZ2	2.08	0.89
1:B:87:PHE:CZ	1:J:87:PHE:CZ	2.60	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:131:TYR:CD2	1:C:132:LEU:HD22	2.08	0.89
1:C:141:LEU:CG	1:D:3:PHE:CE2	2.55	0.89
1:C:286:ASP:HB3	1:C:288:HIS:HB3	1.55	0.89
1:D:87:PHE:CZ	1:L:87:PHE:CZ	2.60	0.89
1:D:268:PHE:CE2	1:D:270:GLN:HB2	2.08	0.89
1:F:127:ARG:HG2	1:F:292:LEU:HD13	1.50	0.89
1:F:357:LEU:CD1	1:F:366:ARG:HD3	2.02	0.89
1:G:39:ILE:HD11	1:G:75:LYS:HB3	1.52	0.89
1:G:153:LEU:HD23	1:G:322:ARG:HD2	1.54	0.89
1:G:200:LEU:HD22	1:G:208:THR:HG23	1.55	0.89
1:H:8:HIS:CB	1:H:95:GLU:HG3	2.01	0.89
1:K:131:TYR:CD2	1:K:132:LEU:HD22	2.08	0.89
1:K:286:ASP:HB3	1:K:288:HIS:HB3	1.55	0.89
1:K:1191:UNK:HA	1:K:1222:UNK:CB	2.03	0.89
1:L:131:TYR:HD2	1:L:132:LEU:HD22	1.38	0.89
1:M:131:TYR:CD2	1:M:132:LEU:HD22	2.08	0.89
1:M:203:ILE:HG23	1:M:231:LEU:HD22	1.55	0.89
1:N:368:MET:HB3	1:N:390:TRP:CZ2	2.08	0.89
1:O:1191:UNK:HA	1:O:1222:UNK:CB	2.03	0.89
1:A:131:TYR:CD2	1:A:132:LEU:HD22	2.08	0.89
1:A:219:LEU:HD11	1:B:197:GLN:HE21	1.09	0.89
1:C:357:LEU:CD1	1:C:366:ARG:HD3	2.02	0.89
1:D:257:ASN:OD1	1:D:279:THR:HG23	1.72	0.89
1:D:382:PRO:HA	1:D:419:THR:HG22	1.52	0.89
1:E:382:PRO:HG2	1:E:385:LEU:HD12	1.52	0.89
1:E:1191:UNK:HA	1:E:1222:UNK:CB	2.03	0.89
1:G:416:LYS:HG3	1:G:417:GLU:H	1.38	0.89
1:G:1191:UNK:HA	1:G:1222:UNK:CB	2.03	0.89
1:I:257:ASN:OD1	1:I:279:THR:HG23	1.72	0.89
1:I:1191:UNK:HA	1:I:1222:UNK:CB	2.03	0.89
1:J:268:PHE:CE2	1:J:270:GLN:HB2	2.08	0.89
1:L:382:PRO:HA	1:L:419:THR:HG22	1.52	0.89
1:M:257:ASN:OD1	1:M:279:THR:HG23	1.72	0.89
1:M:380:HIS:CE1	1:M:419:THR:HG21	2.08	0.89
1:N:8:HIS:CB	1:N:95:GLU:HG3	2.01	0.89
1:O:200:LEU:HD22	1:O:208:THR:HG23	1.55	0.89
1:O:257:ASN:OD1	1:O:279:THR:HG23	1.72	0.89
1:P:60:ARG:HE	1:P:128:LEU:HD11	1.34	0.89
1:A:257:ASN:OD1	1:A:279:THR:HG23	1.72	0.89
1:B:131:TYR:CD2	1:B:132:LEU:HD22	2.08	0.89
1:B:200:LEU:HD22	1:B:208:THR:HG23	1.55	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:87:PHE:CZ	1:K:87:PHE:CZ	2.60	0.89
1:C:268:PHE:CE2	1:C:270:GLN:HB2	2.08	0.89
1:D:278:ALA:CA	1:E:119:VAL:CG2	2.51	0.89
1:G:278:ALA:CA	1:H:119:VAL:CG2	2.51	0.89
1:H:386:LEU:HD21	1:H:420:ILE:HD11	1.55	0.89
1:I:119:VAL:CG2	1:J:278:ALA:CA	2.51	0.89
1:I:382:PRO:HG2	1:I:385:LEU:HD12	1.52	0.89
1:M:119:VAL:CG2	1:N:278:ALA:CA	2.51	0.89
1:N:386:LEU:HD21	1:N:420:ILE:HD11	1.55	0.89
1:O:416:LYS:HG3	1:O:417:GLU:H	1.38	0.89
1:A:119:VAL:CG2	1:H:278:ALA:CA	2.51	0.89
1:B:387:SER:HB3	1:B:391:PHE:CE2	2.07	0.89
1:D:488:ARG:HA	1:D:491:PHE:H	1.35	0.89
1:E:257:ASN:OD1	1:E:279:THR:HG23	1.72	0.89
1:E:268:PHE:CE2	1:E:270:GLN:HB2	2.08	0.89
1:G:268:PHE:CE2	1:G:270:GLN:HB2	2.08	0.89
1:H:131:TYR:CD2	1:H:132:LEU:HD22	2.08	0.89
1:I:131:TYR:CD2	1:I:132:LEU:HD22	2.08	0.89
1:I:268:PHE:CE2	1:I:270:GLN:HB2	2.08	0.89
1:J:382:PRO:HA	1:J:419:THR:HG22	1.52	0.89
1:K:131:TYR:HD2	1:K:132:LEU:HD22	1.38	0.89
1:K:257:ASN:OD1	1:K:279:THR:HG23	1.72	0.89
1:K:268:PHE:CE2	1:K:270:GLN:HB2	2.08	0.89
1:K:411:VAL:HG23	1:K:412:GLU:H	1.37	0.89
1:L:200:LEU:HD22	1:L:208:THR:HG23	1.55	0.89
1:M:359:VAL:HG13	1:M:360:LEU:HD12	1.52	0.89
1:N:119:VAL:CG2	1:O:278:ALA:CA	2.51	0.89
1:N:200:LEU:HD22	1:N:208:THR:HG23	1.55	0.89
1:O:268:PHE:CE2	1:O:270:GLN:HB2	2.08	0.89
1:A:148:LEU:HD11	1:A:253:TRP:CH2	2.07	0.88
1:A:386:LEU:HD21	1:A:420:ILE:HD11	1.55	0.88
1:A:1191:UNK:HA	1:A:1222:UNK:CB	2.03	0.88
1:D:180:TRP:CZ3	1:D:243:VAL:HG11	2.07	0.88
1:E:219:LEU:CD1	1:F:197:GLN:HE21	1.76	0.88
1:G:257:ASN:OD1	1:G:279:THR:HG23	1.72	0.88
1:H:121:ALA:HB1	3:H:1402:DTP:C2	2.04	0.88
1:H:200:LEU:HD22	1:H:208:THR:HG23	1.55	0.88
1:L:131:TYR:CD2	1:L:132:LEU:HD22	2.08	0.88
1:L:387:SER:HB3	1:L:391:PHE:CE2	2.07	0.88
1:M:180:TRP:CZ3	1:M:243:VAL:HG11	2.07	0.88
1:M:386:LEU:HD21	1:M:420:ILE:HD11	1.55	0.88

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:1191:UNK:HA	1:M:1222:UNK:CB	2.03	0.88
1:N:121:ALA:HB1	3:N:1402:DTP:C2	2.04	0.88
1:N:131:TYR:CD2	1:N:132:LEU:HD22	2.08	0.88
1:O:131:TYR:CD2	1:O:132:LEU:HD22	2.08	0.88
1:A:121:ALA:HB1	3:A:1402:DTP:C2	2.04	0.88
1:A:387:SER:HB3	1:A:391:PHE:CE2	2.08	0.88
1:B:416:LYS:HG3	1:B:417:GLU:H	1.38	0.88
1:C:131:TYR:HD2	1:C:132:LEU:HD22	1.38	0.88
1:C:200:LEU:HD22	1:C:208:THR:HG23	1.55	0.88
1:C:257:ASN:OD1	1:C:279:THR:HG23	1.72	0.88
1:C:411:VAL:HG23	1:C:412:GLU:H	1.37	0.88
1:D:359:VAL:HG13	1:D:360:LEU:HD12	1.52	0.88
1:D:368:MET:HB3	1:D:390:TRP:CZ2	2.08	0.88
1:E:131:TYR:CD2	1:E:132:LEU:HD22	2.08	0.88
1:E:510:ALA:HB3	1:E:647:UNK:N	1.89	0.88
1:G:131:TYR:CD2	1:G:132:LEU:HD22	2.08	0.88
1:G:386:LEU:HD21	1:G:420:ILE:HD11	1.55	0.88
1:I:510:ALA:HB3	1:I:647:UNK:N	1.89	0.88
1:J:180:TRP:CZ3	1:J:243:VAL:HG11	2.07	0.88
1:J:368:MET:HB3	1:J:390:TRP:CZ2	2.08	0.88
1:J:380:HIS:CE1	1:J:419:THR:HG21	2.08	0.88
1:J:391:PHE:CD1	1:J:398:VAL:HG11	2.08	0.88
1:K:200:LEU:HD22	1:K:208:THR:HG23	1.55	0.88
1:K:391:PHE:CD1	1:K:398:VAL:HG11	2.08	0.88
1:L:416:LYS:HG3	1:L:417:GLU:H	1.38	0.88
1:M:121:ALA:HB1	3:M:1402:DTP:C2	2.04	0.88
1:M:387:SER:HB3	1:M:391:PHE:CE2	2.07	0.88
1:O:386:LEU:HD21	1:O:420:ILE:HD11	1.55	0.88
1:A:180:TRP:CZ3	1:A:243:VAL:HG11	2.07	0.88
1:B:180:TRP:CZ3	1:B:243:VAL:HG11	2.07	0.88
1:C:391:PHE:CD1	1:C:398:VAL:HG11	2.08	0.88
1:D:391:PHE:CD1	1:D:398:VAL:HG11	2.08	0.88
1:F:200:LEU:HD22	1:F:208:THR:HG23	1.55	0.88
1:G:121:ALA:HB1	3:G:1402:DTP:C2	2.04	0.88
1:H:268:PHE:CE2	1:H:270:GLN:HB2	2.08	0.88
1:H:387:SER:HB3	1:H:391:PHE:CE2	2.07	0.88
1:I:219:LEU:CD1	1:P:197:GLN:HE21	1.76	0.88
1:J:488:ARG:HA	1:J:491:PHE:H	1.35	0.88
1:K:382:PRO:HG2	1:K:385:LEU:HD12	1.52	0.88
1:L:180:TRP:CZ3	1:L:243:VAL:HG11	2.07	0.88
1:M:148:LEU:HD11	1:M:253:TRP:CH2	2.07	0.88

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:268:PHE:CE2	1:N:270:GLN:HB2	2.08	0.88
1:O:121:ALA:HB1	3:O:1402:DTP:C2	2.04	0.88
1:P:121:ALA:HB1	3:P:1402:DTP:C2	2.04	0.88
1:P:510:ALA:HB3	1:P:647:UNK:N	1.89	0.88
1:A:200:LEU:HD22	1:A:208:THR:HG23	1.55	0.88
1:B:368:MET:HB3	1:B:390:TRP:CZ2	2.08	0.88
1:D:286:ASP:HB3	1:D:288:HIS:HB3	1.55	0.88
1:D:380:HIS:CE1	1:D:419:THR:HG21	2.08	0.88
1:E:359:VAL:HG13	1:E:360:LEU:HD12	1.52	0.88
1:F:121:ALA:HB1	3:F:1402:DTP:C2	2.04	0.88
1:F:510:ALA:HB3	1:F:647:UNK:N	1.89	0.88
1:I:121:ALA:HB1	3:I:1402:DTP:C2	2.04	0.88
1:I:411:VAL:HG23	1:I:412:GLU:H	1.37	0.88
1:J:359:VAL:HG13	1:J:360:LEU:HD12	1.52	0.88
1:M:200:LEU:HD22	1:M:208:THR:HG23	1.55	0.88
1:O:368:MET:HB3	1:O:390:TRP:CZ2	2.08	0.88
1:P:200:LEU:HD22	1:P:208:THR:HG23	1.55	0.88
1:D:510:ALA:HB3	1:D:647:UNK:N	1.89	0.88
1:E:278:ALA:CA	1:F:119:VAL:CG2	2.51	0.88
1:I:119:VAL:CA	1:J:277:ALA:CA	2.22	0.88
1:I:391:PHE:CD1	1:I:398:VAL:HG11	2.08	0.88
1:J:510:ALA:HB3	1:J:647:UNK:N	1.89	0.88
1:K:180:TRP:CZ3	1:K:243:VAL:HG11	2.07	0.88
1:L:368:MET:HB3	1:L:390:TRP:CZ2	2.08	0.88
1:L:391:PHE:CD1	1:L:398:VAL:HG11	2.08	0.88
1:N:387:SER:HB3	1:N:391:PHE:CE2	2.07	0.88
1:B:391:PHE:CD1	1:B:398:VAL:HG11	2.08	0.88
1:C:180:TRP:CZ3	1:C:243:VAL:HG11	2.07	0.88
1:E:121:ALA:HB1	3:E:1402:DTP:C2	2.04	0.88
1:E:391:PHE:CD1	1:E:398:VAL:HG11	2.08	0.88
1:G:368:MET:HB3	1:G:390:TRP:CZ2	2.08	0.88
1:G:463:LEU:HD13	1:G:467:PHE:CE1	2.09	0.88
1:H:24:VAL:HA	1:H:27:PHE:CE2	2.09	0.88
1:I:278:ALA:CA	1:P:119:VAL:CG2	2.51	0.88
1:I:359:VAL:HG13	1:I:360:LEU:HD12	1.52	0.88
1:J:286:ASP:HB3	1:J:288:HIS:HB3	1.55	0.88
1:K:382:PRO:HA	1:K:419:THR:HG22	1.52	0.88
1:L:380:HIS:CE1	1:L:419:THR:HG21	2.08	0.88
1:N:24:VAL:HA	1:N:27:PHE:CE2	2.09	0.88
1:B:257:ASN:OD1	1:B:279:THR:HG23	1.72	0.88
1:B:382:PRO:HG2	1:B:385:LEU:HD12	1.52	0.88

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:386:LEU:HD21	1:B:420:ILE:HD11	1.55	0.88
1:C:382:PRO:HA	1:C:419:THR:HG22	1.53	0.88
1:C:382:PRO:HG2	1:C:385:LEU:HD12	1.52	0.88
1:E:411:VAL:HG23	1:E:412:GLU:H	1.37	0.88
1:F:148:LEU:HD11	1:F:253:TRP:CH2	2.08	0.88
1:K:368:MET:HB3	1:K:390:TRP:CZ2	2.08	0.88
1:L:386:LEU:HD21	1:L:420:ILE:HD11	1.55	0.88
1:M:416:LYS:HG3	1:M:417:GLU:H	1.38	0.88
1:O:463:LEU:HD13	1:O:467:PHE:CE1	2.09	0.88
1:P:416:LYS:HG3	1:P:417:GLU:H	1.38	0.88
1:A:416:LYS:HG3	1:A:417:GLU:H	1.38	0.88
1:B:380:HIS:CE1	1:B:419:THR:HG21	2.08	0.88
1:C:37:LYS:HZ3	1:C:39:ILE:HG12	1.38	0.88
1:C:368:MET:HB3	1:C:390:TRP:CZ2	2.08	0.88
1:D:24:VAL:HA	1:D:27:PHE:CE2	2.09	0.88
1:F:386:LEU:HD21	1:F:420:ILE:HD11	1.55	0.88
1:F:1191:UNK:HA	1:F:1222:UNK:CB	2.03	0.88
1:L:257:ASN:OD1	1:L:279:THR:HG23	1.72	0.88
1:L:382:PRO:HG2	1:L:385:LEU:HD12	1.52	0.88
1:P:148:LEU:HD11	1:P:253:TRP:CH2	2.08	0.88
1:P:380:HIS:CE1	1:P:419:THR:HG21	2.08	0.88
1:P:386:LEU:HD21	1:P:420:ILE:HD11	1.55	0.88
1:P:463:LEU:HD13	1:P:467:PHE:CE1	2.09	0.88
1:A:278:ALA:CA	1:B:119:VAL:CG2	2.51	0.88
1:A:463:LEU:HD13	1:A:467:PHE:CE1	2.09	0.88
1:B:510:ALA:HB3	1:B:647:UNK:N	1.89	0.88
1:E:368:MET:HB3	1:E:390:TRP:CZ2	2.08	0.88
1:F:268:PHE:CE2	1:F:270:GLN:HB2	2.08	0.88
1:F:463:LEU:HD13	1:F:467:PHE:CE1	2.09	0.88
1:J:24:VAL:HA	1:J:27:PHE:CE2	2.09	0.88
1:J:119:VAL:CG2	1:K:278:ALA:CA	2.51	0.88
1:J:200:LEU:HD22	1:J:208:THR:HG23	1.55	0.88
1:N:380:HIS:CE1	1:N:419:THR:HG21	2.08	0.88
1:P:268:PHE:CE2	1:P:270:GLN:HB2	2.08	0.88
1:A:510:ALA:HB3	1:A:647:UNK:N	1.89	0.88
1:B:121:ALA:HB1	3:B:1402:DTP:C2	2.04	0.88
1:B:344:VAL:HG11	1:B:429:LEU:HD21	1.57	0.88
1:C:278:ALA:CA	1:D:119:VAL:CG2	2.51	0.88
1:C:416:LYS:HG3	1:C:417:GLU:H	1.38	0.88
1:C:510:ALA:HB3	1:C:647:UNK:N	1.89	0.88
1:D:121:ALA:HB1	3:D:1402:DTP:C2	2.04	0.88

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:148:LEU:HD21	1:D:253:TRP:HZ3	1.39	0.88
1:D:200:LEU:HD22	1:D:208:THR:HG23	1.55	0.88
1:D:219:LEU:CD1	1:E:197:GLN:HE21	1.76	0.88
1:D:509:ASN:HA	1:D:648:UNK:N	1.89	0.88
1:E:509:ASN:HA	1:E:648:UNK:N	1.89	0.88
1:F:24:VAL:HA	1:F:27:PHE:CE2	2.09	0.88
1:F:380:HIS:CE1	1:F:419:THR:HG21	2.08	0.88
1:F:416:LYS:HG3	1:F:417:GLU:H	1.38	0.88
1:G:131:TYR:HD2	1:G:132:LEU:HD22	1.38	0.88
1:I:368:MET:HB3	1:I:390:TRP:CZ2	2.08	0.88
1:I:509:ASN:HA	1:I:648:UNK:N	1.89	0.88
1:J:121:ALA:HB1	3:J:1402:DTP:C2	2.04	0.88
1:J:148:LEU:HD21	1:J:253:TRP:HZ3	1.39	0.88
1:J:509:ASN:HA	1:J:648:UNK:N	1.89	0.88
1:K:37:LYS:HZ3	1:K:39:ILE:HG12	1.38	0.88
1:L:119:VAL:CG2	1:M:278:ALA:CA	2.51	0.88
1:L:268:PHE:CE2	1:L:270:GLN:HB2	2.08	0.88
1:L:344:VAL:HG11	1:L:429:LEU:HD21	1.57	0.88
1:L:510:ALA:HB3	1:L:647:UNK:N	1.89	0.88
1:M:268:PHE:CE2	1:M:270:GLN:HB2	2.08	0.88
1:M:463:LEU:HD13	1:M:467:PHE:CE1	2.09	0.88
1:O:131:TYR:HD2	1:O:132:LEU:HD22	1.38	0.88
1:O:391:PHE:CD1	1:O:398:VAL:HG11	2.08	0.88
1:P:1191:UNK:HA	1:P:1222:UNK:CB	2.03	0.88
1:A:268:PHE:CE2	1:A:270:GLN:HB2	2.08	0.87
1:B:268:PHE:CE2	1:B:270:GLN:HB2	2.08	0.87
1:C:24:VAL:HA	1:C:27:PHE:CE2	2.09	0.87
1:E:203:ILE:HG23	1:E:231:LEU:HD22	1.55	0.87
1:H:131:TYR:HD2	1:H:132:LEU:HD22	1.38	0.87
1:H:380:HIS:CE1	1:H:419:THR:HG21	2.08	0.87
1:I:203:ILE:HG23	1:I:231:LEU:HD22	1.55	0.87
1:K:510:ALA:HB3	1:K:647:UNK:N	1.89	0.87
1:L:121:ALA:HB1	3:L:1402:DTP:C2	2.04	0.87
1:M:510:ALA:HB3	1:M:647:UNK:N	1.89	0.87
1:N:131:TYR:HD2	1:N:132:LEU:HD22	1.38	0.87
1:P:24:VAL:HA	1:P:27:PHE:CE2	2.09	0.87
1:B:278:ALA:CA	1:C:119:VAL:CG2	2.51	0.87
1:C:386:LEU:HD21	1:C:420:ILE:HD11	1.55	0.87
1:D:277:ALA:CA	1:E:119:VAL:CA	2.22	0.87
1:D:1191:UNK:HA	1:D:1222:UNK:CB	2.03	0.87
1:E:148:LEU:HD11	1:E:253:TRP:CH2	2.07	0.87

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:391:PHE:CD1	1:G:398:VAL:HG11	2.08	0.87
1:H:391:PHE:CD1	1:H:398:VAL:HG11	2.08	0.87
1:J:1191:UNK:HA	1:J:1222:UNK:CB	2.03	0.87
1:K:119:VAL:CG2	1:L:278:ALA:CA	2.51	0.87
1:K:386:LEU:HD21	1:K:420:ILE:HD11	1.55	0.87
1:L:1191:UNK:HA	1:L:1222:UNK:CB	2.03	0.87
1:N:391:PHE:CD1	1:N:398:VAL:HG11	2.08	0.87
1:O:510:ALA:HB3	1:O:647:UNK:N	1.89	0.87
1:A:286:ASP:HB3	1:A:288:HIS:HB3	1.55	0.87
1:A:391:PHE:CD1	1:A:398:VAL:HG11	2.08	0.87
1:D:344:VAL:HG11	1:D:429:LEU:HD21	1.57	0.87
1:E:386:LEU:HD21	1:E:420:ILE:HD11	1.55	0.87
1:F:369:PHE:CE1	1:F:427:LEU:HD11	2.10	0.87
1:G:203:ILE:HG23	1:G:231:LEU:HD22	1.55	0.87
1:H:369:PHE:CE1	1:H:427:LEU:HD11	2.10	0.87
1:H:1191:UNK:HA	1:H:1222:UNK:CB	2.03	0.87
1:I:24:VAL:HA	1:I:27:PHE:CE2	2.09	0.87
1:I:148:LEU:HD11	1:I:253:TRP:CH2	2.07	0.87
1:I:386:LEU:HD21	1:I:420:ILE:HD11	1.55	0.87
1:J:197:GLN:HE21	1:K:219:LEU:HD11	1.09	0.87
1:J:344:VAL:HG11	1:J:429:LEU:HD21	1.57	0.87
1:K:24:VAL:HA	1:K:27:PHE:CE2	2.09	0.87
1:M:391:PHE:CD1	1:M:398:VAL:HG11	2.08	0.87
1:P:369:PHE:CE1	1:P:427:LEU:HD11	2.10	0.87
1:A:35:MET:HG2	1:A:40:LEU:HD22	1.57	0.87
1:A:131:TYR:HD2	1:A:132:LEU:HD22	1.38	0.87
1:B:35:MET:HG2	1:B:40:LEU:HD22	1.57	0.87
1:B:1191:UNK:HA	1:B:1222:UNK:CB	2.03	0.87
1:C:219:LEU:HD11	1:D:197:GLN:HE21	1.09	0.87
1:E:24:VAL:HA	1:E:27:PHE:CE2	2.09	0.87
1:G:395:LYS:HA	1:G:395:LYS:CE	2.04	0.87
1:G:510:ALA:HB3	1:G:647:UNK:N	1.89	0.87
1:I:369:PHE:CE1	1:I:427:LEU:HD11	2.10	0.87
1:J:119:VAL:O	1:K:277:ALA:CB	2.23	0.87
1:K:369:PHE:CE1	1:K:427:LEU:HD11	2.10	0.87
1:K:416:LYS:HG3	1:K:417:GLU:H	1.38	0.87
1:L:35:MET:HG2	1:L:40:LEU:HD22	1.57	0.87
1:M:35:MET:HG2	1:M:40:LEU:HD22	1.57	0.87
1:N:369:PHE:CE1	1:N:427:LEU:HD11	2.10	0.87
1:O:24:VAL:HA	1:O:27:PHE:CE2	2.09	0.87
1:O:203:ILE:HG23	1:O:231:LEU:HD22	1.55	0.87

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:391:PHE:CD1	1:P:398:VAL:HG11	2.08	0.87
1:A:395:LYS:HA	1:A:395:LYS:CE	2.04	0.87
1:C:277:ALA:CB	1:D:119:VAL:O	2.23	0.87
1:C:369:PHE:CE1	1:C:427:LEU:HD11	2.10	0.87
1:D:386:LEU:HD21	1:D:420:ILE:HD11	1.55	0.87
1:E:369:PHE:CE1	1:E:427:LEU:HD11	2.10	0.87
1:G:120:PHE:CD1	1:G:122:LYS:HD3	2.10	0.87
1:H:120:PHE:CD1	1:H:122:LYS:HD3	2.10	0.87
1:H:510:ALA:HB3	1:H:647:UNK:N	1.89	0.87
1:I:148:LEU:HD21	1:I:253:TRP:HZ3	1.39	0.87
1:I:200:LEU:HD22	1:I:208:THR:HG23	1.55	0.87
1:J:386:LEU:HD21	1:J:420:ILE:HD11	1.55	0.87
1:M:395:LYS:HA	1:M:395:LYS:CE	2.05	0.87
1:N:120:PHE:CD1	1:N:122:LYS:HD3	2.10	0.87
1:N:1191:UNK:HA	1:N:1222:UNK:CB	2.03	0.87
1:C:509:ASN:HA	1:C:648:UNK:N	1.89	0.87
1:D:369:PHE:CE1	1:D:427:LEU:HD11	2.10	0.87
1:E:120:PHE:CD1	1:E:122:LYS:HD3	2.10	0.87
1:F:11:GLN:HG2	1:F:106:TYR:HD2	1.33	0.87
1:F:391:PHE:CD1	1:F:398:VAL:HG11	2.08	0.87
1:F:509:ASN:HA	1:F:648:UNK:N	1.89	0.87
1:G:24:VAL:HA	1:G:27:PHE:CE2	2.09	0.87
1:J:120:PHE:CD1	1:J:122:LYS:HD3	2.10	0.87
1:J:369:PHE:CE1	1:J:427:LEU:HD11	2.10	0.87
1:K:35:MET:HG2	1:K:40:LEU:HD22	1.57	0.87
1:K:121:ALA:HB1	3:K:1402:DTP:C2	2.04	0.87
1:L:24:VAL:HA	1:L:27:PHE:CE2	2.09	0.87
1:M:286:ASP:HB3	1:M:288:HIS:HB3	1.55	0.87
1:N:463:LEU:HD13	1:N:467:PHE:CE1	2.09	0.87
1:O:119:VAL:CG2	1:P:278:ALA:CA	2.51	0.87
1:O:120:PHE:CD1	1:O:122:LYS:HD3	2.10	0.87
1:O:395:LYS:HA	1:O:395:LYS:CE	2.05	0.87
1:P:11:GLN:HG2	1:P:106:TYR:HD2	1.33	0.87
1:B:24:VAL:HA	1:B:27:PHE:CE2	2.09	0.87
1:C:35:MET:HG2	1:C:40:LEU:HD22	1.57	0.87
1:D:120:PHE:CD1	1:D:122:LYS:HD3	2.10	0.87
1:D:148:LEU:HD11	1:D:253:TRP:CH2	2.08	0.87
1:E:148:LEU:HD21	1:E:253:TRP:HZ3	1.39	0.87
1:E:200:LEU:HD22	1:E:208:THR:HG23	1.55	0.87
1:F:120:PHE:CD1	1:F:122:LYS:HD3	2.10	0.87
1:F:131:TYR:HD2	1:F:132:LEU:HD22	1.38	0.87

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:241:LEU:HD11	1:G:263:LEU:HD13	1.57	0.87
1:I:120:PHE:CD1	1:I:122:LYS:HD3	2.10	0.87
1:K:509:ASN:HA	1:K:648:UNK:N	1.89	0.87
1:L:241:LEU:HD11	1:L:263:LEU:HD13	1.57	0.87
1:M:131:TYR:HD2	1:M:132:LEU:HD22	1.38	0.87
1:N:510:ALA:HB3	1:N:647:UNK:N	1.89	0.87
1:P:131:TYR:HD2	1:P:132:LEU:HD22	1.38	0.87
1:P:509:ASN:HA	1:P:648:UNK:N	1.89	0.87
1:B:241:LEU:HD11	1:B:263:LEU:HD13	1.57	0.87
1:C:121:ALA:HB1	3:C:1402:DTP:C2	2.04	0.87
1:C:148:LEU:HD21	1:C:253:TRP:HZ3	1.39	0.87
1:D:219:LEU:HD11	1:E:197:GLN:HE21	1.09	0.87
1:F:148:LEU:HD21	1:F:253:TRP:HZ3	1.39	0.87
1:F:278:ALA:CA	1:G:119:VAL:CG2	2.51	0.87
1:G:509:ASN:HA	1:G:648:UNK:N	1.89	0.87
1:H:35:MET:HG2	1:H:40:LEU:HD22	1.57	0.87
1:H:463:LEU:HD13	1:H:467:PHE:CE1	2.09	0.87
1:J:131:TYR:HD2	1:J:132:LEU:HD22	1.38	0.87
1:L:286:ASP:HB3	1:L:288:HIS:HB3	1.55	0.87
1:M:120:PHE:CD1	1:M:122:LYS:HD3	2.10	0.87
1:N:35:MET:HG2	1:N:40:LEU:HD22	1.57	0.87
1:O:241:LEU:HD11	1:O:263:LEU:HD13	1.57	0.87
1:O:369:PHE:CE1	1:O:427:LEU:HD11	2.10	0.87
1:P:120:PHE:CD1	1:P:122:LYS:HD3	2.10	0.87
1:A:24:VAL:HA	1:A:27:PHE:CE2	2.09	0.87
1:A:120:PHE:CD1	1:A:122:LYS:HD3	2.10	0.87
1:E:86:LYS:HA	1:E:89:MET:SD	2.15	0.87
1:G:369:PHE:CE1	1:G:427:LEU:HD11	2.10	0.87
1:I:86:LYS:HA	1:I:89:MET:SD	2.15	0.87
1:J:416:LYS:HG3	1:J:417:GLU:H	1.38	0.87
1:O:509:ASN:HA	1:O:648:UNK:N	1.89	0.87
1:P:148:LEU:HD21	1:P:253:TRP:HZ3	1.39	0.87
1:P:395:LYS:HA	1:P:395:LYS:CE	2.05	0.87
1:A:86:LYS:HA	1:A:89:MET:SD	2.15	0.86
1:B:280:THR:HG21	1:C:114:TYR:HE1	1.04	0.86
1:C:277:ALA:CA	1:D:119:VAL:C	2.43	0.86
1:D:463:LEU:HD13	1:D:467:PHE:CE1	2.09	0.86
1:F:241:LEU:HD11	1:F:263:LEU:HD13	1.57	0.86
1:F:395:LYS:HA	1:F:395:LYS:CE	2.05	0.86
1:G:148:LEU:HD11	1:G:253:TRP:CH2	2.07	0.86
1:J:119:VAL:C	1:K:277:ALA:CA	2.43	0.86

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:148:LEU:HD11	1:J:253:TRP:CH2	2.08	0.86
1:J:463:LEU:HD13	1:J:467:PHE:CE1	2.09	0.86
1:K:114:TYR:HE1	1:L:280:THR:HG21	1.04	0.86
1:K:148:LEU:HD21	1:K:253:TRP:HZ3	1.39	0.86
1:M:86:LYS:HA	1:M:89:MET:SD	2.15	0.86
1:O:148:LEU:HD11	1:O:253:TRP:CH2	2.07	0.86
1:P:286:ASP:HB3	1:P:288:HIS:HB3	1.55	0.86
1:B:369:PHE:CE1	1:B:427:LEU:HD11	2.10	0.86
1:C:86:LYS:HA	1:C:89:MET:SD	2.15	0.86
1:D:203:ILE:HG23	1:D:231:LEU:HD22	1.55	0.86
1:D:416:LYS:HG3	1:D:417:GLU:H	1.38	0.86
1:F:286:ASP:HB3	1:F:288:HIS:HB3	1.55	0.86
1:G:86:LYS:HA	1:G:89:MET:SD	2.15	0.86
1:H:286:ASP:HB3	1:H:288:HIS:HB3	1.55	0.86
1:H:344:VAL:HG11	1:H:429:LEU:HD21	1.57	0.86
1:I:119:VAL:CA	1:J:277:ALA:O	1.78	0.86
1:I:197:GLN:HE21	1:J:219:LEU:HD11	1.09	0.86
1:I:286:ASP:HB3	1:I:288:HIS:HB3	1.55	0.86
1:K:86:LYS:HA	1:K:89:MET:SD	2.15	0.86
1:K:241:LEU:HD11	1:K:263:LEU:HD13	1.57	0.86
1:M:24:VAL:HA	1:M:27:PHE:CE2	2.09	0.86
1:N:241:LEU:HD11	1:N:263:LEU:HD13	1.57	0.86
1:N:344:VAL:HG11	1:N:429:LEU:HD21	1.57	0.86
1:O:86:LYS:HA	1:O:89:MET:SD	2.15	0.86
1:B:141:LEU:HD13	1:B:145:LYS:CB	2.06	0.86
1:B:286:ASP:HB3	1:B:288:HIS:HB3	1.55	0.86
1:D:106:TYR:CE1	1:D:169:LYS:HB2	2.11	0.86
1:D:131:TYR:HD2	1:D:132:LEU:HD22	1.38	0.86
1:D:277:ALA:CB	1:E:119:VAL:O	2.23	0.86
1:D:395:LYS:HA	1:D:395:LYS:CE	2.05	0.86
1:F:141:LEU:HD13	1:F:145:LYS:CB	2.06	0.86
1:G:141:LEU:HD13	1:G:145:LYS:CB	2.06	0.86
1:H:86:LYS:HA	1:H:89:MET:SD	2.15	0.86
1:H:241:LEU:HD11	1:H:263:LEU:HD13	1.57	0.86
1:J:106:TYR:CE1	1:J:169:LYS:HB2	2.11	0.86
1:J:395:LYS:HA	1:J:395:LYS:CE	2.05	0.86
1:L:141:LEU:HD13	1:L:145:LYS:CB	2.06	0.86
1:N:86:LYS:HA	1:N:89:MET:SD	2.15	0.86
1:N:286:ASP:HB3	1:N:288:HIS:HB3	1.55	0.86
1:P:241:LEU:HD11	1:P:263:LEU:HD13	1.57	0.86
1:A:241:LEU:HD11	1:A:263:LEU:HD13	1.57	0.86

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:298:LYS:HE3	1:A:316:VAL:HG12	1.57	0.86
1:B:203:ILE:HG23	1:B:231:LEU:HD22	1.55	0.86
1:B:463:LEU:HD13	1:B:467:PHE:CE1	2.09	0.86
1:C:141:LEU:HD13	1:C:145:LYS:CB	2.06	0.86
1:C:241:LEU:HD11	1:C:263:LEU:HD13	1.57	0.86
1:F:141:LEU:CG	1:G:3:PHE:CE2	2.55	0.86
1:I:131:TYR:HD2	1:I:132:LEU:HD22	1.38	0.86
1:J:35:MET:HG2	1:J:40:LEU:HD22	1.57	0.86
1:K:141:LEU:HD13	1:K:145:LYS:CB	2.06	0.86
1:L:369:PHE:CE1	1:L:427:LEU:HD11	2.10	0.86
1:O:141:LEU:HD13	1:O:145:LYS:CB	2.06	0.86
1:P:141:LEU:HD13	1:P:145:LYS:CB	2.06	0.86
1:A:141:LEU:HD13	1:A:145:LYS:CB	2.06	0.86
1:E:131:TYR:HD2	1:E:132:LEU:HD22	1.38	0.86
1:E:286:ASP:HB3	1:E:288:HIS:HB3	1.55	0.86
1:G:277:ALA:CB	1:H:119:VAL:O	2.23	0.86
1:I:119:VAL:O	1:J:277:ALA:CB	2.23	0.86
1:J:203:ILE:HG23	1:J:231:LEU:HD22	1.55	0.86
1:L:203:ILE:HG23	1:L:231:LEU:HD22	1.55	0.86
1:L:463:LEU:HD13	1:L:467:PHE:CE1	2.09	0.86
1:M:141:LEU:HD13	1:M:145:LYS:CB	2.06	0.86
1:M:241:LEU:HD11	1:M:263:LEU:HD13	1.57	0.86
1:M:298:LYS:HE3	1:M:316:VAL:HG12	1.57	0.86
1:M:369:PHE:CE1	1:M:427:LEU:HD11	2.10	0.86
1:N:119:VAL:O	1:O:277:ALA:CB	2.23	0.86
1:N:298:LYS:HE3	1:N:316:VAL:HG12	1.57	0.86
1:C:120:PHE:CD1	1:C:122:LYS:HD3	2.10	0.86
1:C:463:LEU:HD13	1:C:467:PHE:CE1	2.09	0.86
1:D:35:MET:HG2	1:D:40:LEU:HD22	1.57	0.86
1:F:86:LYS:HA	1:F:89:MET:SD	2.15	0.86
1:G:286:ASP:HB3	1:G:288:HIS:HB3	1.55	0.86
1:H:141:LEU:HD13	1:H:145:LYS:CB	2.06	0.86
1:I:277:ALA:CB	1:P:119:VAL:O	2.23	0.86
1:K:463:LEU:HD13	1:K:467:PHE:CE1	2.09	0.86
1:N:141:LEU:HD13	1:N:145:LYS:CB	2.06	0.86
1:N:395:LYS:HA	1:N:395:LYS:CE	2.05	0.86
1:P:37:LYS:HZ3	1:P:39:ILE:HG12	1.39	0.86
1:P:86:LYS:HA	1:P:89:MET:SD	2.15	0.86
1:P:106:TYR:CE1	1:P:169:LYS:HB2	2.11	0.86
1:A:37:LYS:HZ3	1:A:39:ILE:HG12	1.39	0.86
1:A:148:LEU:HD21	1:A:253:TRP:HZ3	1.39	0.86

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:369:PHE:CE1	1:A:427:LEU:HD11	2.10	0.86
1:D:280:THR:HG21	1:E:114:TYR:HE1	1.04	0.86
1:E:277:ALA:CB	1:F:119:VAL:O	2.23	0.86
1:F:106:TYR:CE1	1:F:169:LYS:HB2	2.11	0.86
1:H:298:LYS:HE3	1:H:316:VAL:HG12	1.57	0.86
1:H:509:ASN:HA	1:H:648:UNK:N	1.89	0.86
1:I:114:TYR:HE1	1:J:280:THR:HG21	1.04	0.86
1:L:86:LYS:HA	1:L:89:MET:SD	2.15	0.86
1:N:24:VAL:HA	1:N:27:PHE:CD2	2.11	0.86
1:N:203:ILE:HG23	1:N:231:LEU:HD22	1.55	0.86
1:O:3:PHE:CE2	1:P:141:LEU:CG	2.55	0.86
1:O:286:ASP:HB3	1:O:288:HIS:HB3	1.55	0.86
1:A:119:VAL:O	1:H:277:ALA:CB	2.23	0.86
1:D:12:TYR:CZ	1:D:15:ILE:HD12	2.11	0.86
1:D:277:ALA:CA	1:E:119:VAL:C	2.43	0.86
1:E:463:LEU:HD13	1:E:467:PHE:CE1	2.09	0.86
1:G:24:VAL:HA	1:G:27:PHE:CD2	2.11	0.86
1:G:106:TYR:CE1	1:G:169:LYS:HB2	2.11	0.86
1:G:141:LEU:CG	1:H:3:PHE:CE2	2.55	0.86
1:H:24:VAL:HA	1:H:27:PHE:CD2	2.11	0.86
1:H:395:LYS:HA	1:H:395:LYS:CE	2.05	0.86
1:H:416:LYS:HG3	1:H:417:GLU:H	1.38	0.86
1:K:197:GLN:HE21	1:L:219:LEU:HD11	1.09	0.86
1:N:39:ILE:CD1	1:N:75:LYS:HB3	2.05	0.86
1:N:509:ASN:HA	1:N:648:UNK:N	1.89	0.86
1:O:12:TYR:CZ	1:O:15:ILE:HD12	2.11	0.86
1:O:24:VAL:HA	1:O:27:PHE:CD2	2.11	0.86
1:A:39:ILE:CD1	1:A:75:LYS:HB3	2.05	0.86
1:B:86:LYS:HA	1:B:89:MET:SD	2.15	0.86
1:B:148:LEU:HD21	1:B:253:TRP:HZ3	1.39	0.86
1:C:12:TYR:CZ	1:C:15:ILE:HD12	2.11	0.86
1:E:12:TYR:CZ	1:E:15:ILE:HD12	2.11	0.86
1:E:241:LEU:HD11	1:E:263:LEU:HD13	1.57	0.86
1:G:12:TYR:CZ	1:G:15:ILE:HD12	2.11	0.86
1:H:39:ILE:CD1	1:H:75:LYS:HB3	2.05	0.86
1:I:12:TYR:CZ	1:I:15:ILE:HD12	2.11	0.86
1:I:119:VAL:C	1:J:277:ALA:CA	2.43	0.86
1:J:12:TYR:CZ	1:J:15:ILE:HD12	2.11	0.86
1:J:241:LEU:HD11	1:J:263:LEU:HD13	1.57	0.86
1:K:120:PHE:CD1	1:K:122:LYS:HD3	2.10	0.86
1:L:120:PHE:CD1	1:L:122:LYS:HD3	2.10	0.86

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:39:ILE:CD1	1:M:75:LYS:HB3	2.05	0.86
1:O:106:TYR:CE1	1:O:169:LYS:HB2	2.11	0.86
1:A:24:VAL:HG23	1:A:27:PHE:CE2	2.11	0.86
1:B:219:LEU:HD11	1:C:197:GLN:HE21	1.09	0.86
1:D:39:ILE:CD1	1:D:75:LYS:HB3	2.05	0.86
1:D:241:LEU:HD11	1:D:263:LEU:HD13	1.57	0.86
1:E:35:MET:HG2	1:E:40:LEU:HD22	1.57	0.86
1:F:24:VAL:HA	1:F:27:PHE:CD2	2.11	0.86
1:H:148:LEU:HD21	1:H:253:TRP:HZ3	1.39	0.86
1:I:241:LEU:HD11	1:I:263:LEU:HD13	1.57	0.86
1:I:463:LEU:HD13	1:I:467:PHE:CE1	2.09	0.86
1:J:353:ILE:CG2	1:J:430:LYS:HD2	2.06	0.86
1:K:12:TYR:CZ	1:K:15:ILE:HD12	2.11	0.86
1:L:509:ASN:HA	1:L:648:UNK:N	1.89	0.86
1:M:12:TYR:CZ	1:M:15:ILE:HD12	2.11	0.86
1:M:24:VAL:HG23	1:M:27:PHE:CE2	2.11	0.86
1:M:119:VAL:O	1:N:277:ALA:CB	2.23	0.86
1:M:148:LEU:HD21	1:M:253:TRP:HZ3	1.39	0.86
1:O:561:LEU:HA	1:O:564:ILE:HD11	1.58	0.86
1:P:344:VAL:HG11	1:P:429:LEU:HD21	1.57	0.86
1:A:12:TYR:CZ	1:A:15:ILE:HD12	2.11	0.85
1:B:24:VAL:HA	1:B:27:PHE:CD2	2.11	0.85
1:B:120:PHE:CD1	1:B:122:LYS:HD3	2.10	0.85
1:B:286:ASP:CA	1:B:287:HIS:HB2	2.06	0.85
1:B:509:ASN:HA	1:B:648:UNK:N	1.89	0.85
1:D:353:ILE:CG2	1:D:430:LYS:HD2	2.06	0.85
1:E:141:LEU:HD13	1:E:145:LYS:CB	2.06	0.85
1:F:344:VAL:HG11	1:F:429:LEU:HD21	1.57	0.85
1:G:24:VAL:HG23	1:G:27:PHE:CE2	2.11	0.85
1:G:561:LEU:HA	1:G:564:ILE:HD11	1.59	0.85
1:H:203:ILE:HG23	1:H:231:LEU:HD22	1.55	0.85
1:I:35:MET:HG2	1:I:40:LEU:HD22	1.57	0.85
1:I:416:LYS:HG3	1:I:417:GLU:H	1.38	0.85
1:J:39:ILE:CD1	1:J:75:LYS:HB3	2.05	0.85
1:K:7:GLU:CG	1:K:107:ILE:HB	2.06	0.85
1:K:395:LYS:HA	1:K:395:LYS:CE	2.05	0.85
1:L:148:LEU:HD21	1:L:253:TRP:HZ3	1.39	0.85
1:L:286:ASP:CA	1:L:287:HIS:HB2	2.06	0.85
1:N:3:PHE:CE2	1:O:141:LEU:CG	2.55	0.85
1:N:148:LEU:HD21	1:N:253:TRP:HZ3	1.39	0.85
1:B:12:TYR:CZ	1:B:15:ILE:HD12	2.11	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:24:VAL:HG23	1:B:27:PHE:CE2	2.11	0.85
1:B:277:ALA:CA	1:C:119:VAL:C	2.43	0.85
1:C:7:GLU:CG	1:C:107:ILE:HB	2.06	0.85
1:C:39:ILE:CD1	1:C:75:LYS:HB3	2.05	0.85
1:C:395:LYS:HA	1:C:395:LYS:CE	2.04	0.85
1:D:286:ASP:CA	1:D:287:HIS:HB2	2.06	0.85
1:E:561:LEU:HA	1:E:564:ILE:HD11	1.59	0.85
1:F:39:ILE:CD1	1:F:75:LYS:HB3	2.05	0.85
1:I:141:LEU:HD13	1:I:145:LYS:CB	2.06	0.85
1:J:286:ASP:CA	1:J:287:HIS:HB2	2.06	0.85
1:L:24:VAL:HA	1:L:27:PHE:CD2	2.11	0.85
1:N:37:LYS:NZ	1:N:39:ILE:HG12	1.92	0.85
1:N:416:LYS:HG3	1:N:417:GLU:H	1.38	0.85
1:O:24:VAL:HG23	1:O:27:PHE:CE2	2.11	0.85
1:P:24:VAL:HA	1:P:27:PHE:CD2	2.11	0.85
1:C:344:VAL:HG11	1:C:429:LEU:HD21	1.57	0.85
1:D:24:VAL:HG23	1:D:27:PHE:CE2	2.11	0.85
1:E:106:TYR:CE1	1:E:169:LYS:HB2	2.11	0.85
1:E:150:ASP:C	1:E:287:HIS:HB3	1.97	0.85
1:F:138:LEU:HD12	1:F:263:LEU:HD21	1.58	0.85
1:G:35:MET:HG2	1:G:40:LEU:HD22	1.57	0.85
1:H:37:LYS:NZ	1:H:39:ILE:HG12	1.92	0.85
1:I:7:GLU:CG	1:I:107:ILE:HB	2.06	0.85
1:I:150:ASP:C	1:I:287:HIS:HB3	1.97	0.85
1:I:561:LEU:HA	1:I:564:ILE:HD11	1.59	0.85
1:J:24:VAL:HG23	1:J:27:PHE:CE2	2.11	0.85
1:J:86:LYS:HA	1:J:89:MET:SD	2.15	0.85
1:J:141:LEU:HD13	1:J:145:LYS:CB	2.06	0.85
1:L:12:TYR:CZ	1:L:15:ILE:HD12	2.11	0.85
1:L:24:VAL:HG23	1:L:27:PHE:CE2	2.11	0.85
1:M:37:LYS:NZ	1:M:39:ILE:HG12	1.92	0.85
1:N:106:TYR:CE1	1:N:169:LYS:HB2	2.11	0.85
1:O:7:GLU:CG	1:O:107:ILE:HB	2.06	0.85
1:P:24:VAL:HG23	1:P:27:PHE:CE2	2.11	0.85
1:P:39:ILE:CD1	1:P:75:LYS:HB3	2.05	0.85
1:A:37:LYS:NZ	1:A:39:ILE:HG12	1.92	0.85
1:B:148:LEU:HD11	1:B:253:TRP:CH2	2.08	0.85
1:D:24:VAL:HA	1:D:27:PHE:CD2	2.11	0.85
1:D:86:LYS:HA	1:D:89:MET:SD	2.15	0.85
1:D:483:ARG:HG3	1:D:487:PHE:CE1	2.12	0.85
1:E:7:GLU:CG	1:E:107:ILE:HB	2.06	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:24:VAL:HG23	1:F:27:PHE:CE2	2.11	0.85
1:F:277:ALA:CB	1:G:119:VAL:O	2.23	0.85
1:G:7:GLU:CG	1:G:107:ILE:HB	2.06	0.85
1:G:37:LYS:NZ	1:G:39:ILE:HG12	1.92	0.85
1:H:106:TYR:CE1	1:H:169:LYS:HB2	2.11	0.85
1:I:106:TYR:CE1	1:I:169:LYS:HB2	2.11	0.85
1:J:24:VAL:HA	1:J:27:PHE:CD2	2.11	0.85
1:J:483:ARG:HG3	1:J:487:PHE:CE1	2.12	0.85
1:K:24:VAL:HG23	1:K:27:PHE:CE2	2.11	0.85
1:K:39:ILE:CD1	1:K:75:LYS:HB3	2.05	0.85
1:K:119:VAL:C	1:L:277:ALA:CA	2.43	0.85
1:K:119:VAL:O	1:L:277:ALA:CB	2.23	0.85
1:L:37:LYS:NZ	1:L:39:ILE:HG12	1.92	0.85
1:O:35:MET:HG2	1:O:40:LEU:HD22	1.57	0.85
1:O:37:LYS:NZ	1:O:39:ILE:HG12	1.92	0.85
1:O:119:VAL:O	1:P:277:ALA:CB	2.23	0.85
1:P:35:MET:HG2	1:P:40:LEU:HD22	1.57	0.85
1:P:138:LEU:HD12	1:P:263:LEU:HD21	1.58	0.85
1:B:37:LYS:NZ	1:B:39:ILE:HG12	1.92	0.85
1:C:24:VAL:HG23	1:C:27:PHE:CE2	2.11	0.85
1:C:483:ARG:HG3	1:C:487:PHE:CE1	2.12	0.85
1:D:141:LEU:HD13	1:D:145:LYS:CB	2.06	0.85
1:E:39:ILE:CD1	1:E:75:LYS:HB3	2.05	0.85
1:F:35:MET:HG2	1:F:40:LEU:HD22	1.57	0.85
1:F:120:PHE:CE1	1:F:122:LYS:HD3	2.12	0.85
1:G:298:LYS:HE3	1:G:316:VAL:HG12	1.57	0.85
1:G:359:VAL:CG1	1:G:360:LEU:HD12	2.07	0.85
1:G:496:PHE:CZ	1:G:558:TYR:HD1	1.95	0.85
1:H:359:VAL:CG1	1:H:360:LEU:HD12	2.06	0.85
1:K:483:ARG:HG3	1:K:487:PHE:CE1	2.12	0.85
1:M:7:GLU:CG	1:M:107:ILE:HB	2.06	0.85
1:A:7:GLU:CG	1:A:107:ILE:HB	2.06	0.85
1:B:106:TYR:CE1	1:B:169:LYS:HB2	2.11	0.85
1:B:497:LEU:HD23	1:B:500:LYS:HD3	1.59	0.85
1:E:416:LYS:HG3	1:E:417:GLU:H	1.38	0.85
1:E:491:PHE:CB	1:E:576:GLU:HG2	2.07	0.85
1:H:286:ASP:CA	1:H:287:HIS:HB2	2.06	0.85
1:I:39:ILE:CD1	1:I:75:LYS:HB3	2.05	0.85
1:I:491:PHE:CB	1:I:576:GLU:HG2	2.07	0.85
1:K:344:VAL:HG11	1:K:429:LEU:HD21	1.57	0.85
1:L:353:ILE:CG2	1:L:430:LYS:HD2	2.06	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:106:TYR:CE1	1:M:169:LYS:HB2	2.11	0.85
1:M:483:ARG:HG3	1:M:487:PHE:CE1	2.12	0.85
1:N:286:ASP:CA	1:N:287:HIS:HB2	2.06	0.85
1:N:359:VAL:CG1	1:N:360:LEU:HD12	2.06	0.85
1:N:496:PHE:CZ	1:N:558:TYR:HD1	1.95	0.85
1:O:138:LEU:HD12	1:O:263:LEU:HD21	1.58	0.85
1:O:359:VAL:CG1	1:O:360:LEU:HD12	2.07	0.85
1:O:496:PHE:CZ	1:O:558:TYR:HD1	1.95	0.85
1:P:120:PHE:CE1	1:P:122:LYS:HD3	2.12	0.85
1:A:483:ARG:HG3	1:A:487:PHE:CE1	2.12	0.85
1:A:509:ASN:HA	1:A:648:UNK:N	1.89	0.85
1:B:353:ILE:CG2	1:B:430:LYS:HD2	2.06	0.85
1:B:395:LYS:HA	1:B:395:LYS:CE	2.05	0.85
1:C:491:PHE:CB	1:C:576:GLU:HG2	2.07	0.85
1:D:120:PHE:CE1	1:D:122:LYS:HD3	2.12	0.85
1:F:298:LYS:HE3	1:F:316:VAL:HG12	1.57	0.85
1:G:138:LEU:HD12	1:G:263:LEU:HD21	1.58	0.85
1:H:7:GLU:CG	1:H:107:ILE:HB	2.06	0.85
1:H:496:PHE:CZ	1:H:558:TYR:HD1	1.95	0.85
1:I:24:VAL:HG23	1:I:27:PHE:CE2	2.11	0.85
1:J:120:PHE:CE1	1:J:122:LYS:HD3	2.12	0.85
1:K:298:LYS:HE3	1:K:316:VAL:HG12	1.57	0.85
1:K:491:PHE:CB	1:K:576:GLU:HG2	2.07	0.85
1:L:106:TYR:CE1	1:L:169:LYS:HB2	2.11	0.85
1:L:148:LEU:HD11	1:L:253:TRP:CH2	2.08	0.85
1:L:496:PHE:CZ	1:L:558:TYR:HD1	1.95	0.85
1:L:497:LEU:HD23	1:L:500:LYS:HD3	1.59	0.85
1:M:509:ASN:HA	1:M:648:UNK:N	1.89	0.85
1:O:39:ILE:CD1	1:O:75:LYS:HB3	2.05	0.85
1:O:298:LYS:HE3	1:O:316:VAL:HG12	1.57	0.85
1:O:335:LEU:HB2	1:O:339:ASP:OD1	1.77	0.85
1:P:298:LYS:HE3	1:P:316:VAL:HG12	1.57	0.85
1:A:106:TYR:CE1	1:A:169:LYS:HB2	2.11	0.85
1:A:497:LEU:HD23	1:A:500:LYS:HD3	1.59	0.85
1:B:39:ILE:CD1	1:B:75:LYS:HB3	2.05	0.85
1:B:69:GLN:HG2	1:B:71:GLU:H	1.42	0.85
1:B:496:PHE:CZ	1:B:558:TYR:HD1	1.95	0.85
1:C:298:LYS:HE3	1:C:316:VAL:HG12	1.57	0.85
1:C:353:ILE:CG2	1:C:430:LYS:HD2	2.06	0.85
1:E:395:LYS:HA	1:E:395:LYS:CE	2.04	0.85
1:K:106:TYR:CE1	1:K:169:LYS:HB2	2.11	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:353:ILE:CG2	1:K:430:LYS:HD2	2.06	0.85
1:L:39:ILE:CD1	1:L:75:LYS:HB3	2.05	0.85
1:L:298:LYS:HE3	1:L:316:VAL:HG12	1.57	0.85
1:L:395:LYS:HA	1:L:395:LYS:CE	2.05	0.85
1:M:353:ILE:CG2	1:M:430:LYS:HD2	2.06	0.85
1:N:7:GLU:CG	1:N:107:ILE:HB	2.06	0.85
1:O:120:PHE:CE1	1:O:122:LYS:HD3	2.12	0.85
1:A:353:ILE:CG2	1:A:430:LYS:HD2	2.06	0.85
1:B:483:ARG:HG3	1:B:487:PHE:CE1	2.12	0.85
1:D:92:ILE:HG12	1:D:96:GLN:HE22	1.42	0.85
1:E:24:VAL:HA	1:E:27:PHE:CD2	2.11	0.85
1:E:24:VAL:HG23	1:E:27:PHE:CE2	2.11	0.85
1:F:7:GLU:CG	1:F:107:ILE:HB	2.06	0.85
1:F:496:PHE:CZ	1:F:558:TYR:HD1	1.95	0.85
1:G:39:ILE:CD1	1:G:75:LYS:HB3	2.05	0.85
1:G:120:PHE:CE1	1:G:122:LYS:HD3	2.12	0.85
1:G:335:LEU:HB2	1:G:339:ASP:OD1	1.77	0.85
1:H:24:VAL:HG23	1:H:27:PHE:CE2	2.11	0.85
1:K:37:LYS:NZ	1:K:39:ILE:HG12	1.92	0.85
1:K:69:GLN:HG2	1:K:71:GLU:H	1.42	0.85
1:L:69:GLN:HG2	1:L:71:GLU:H	1.42	0.85
1:M:344:VAL:HG11	1:M:429:LEU:HD21	1.57	0.85
1:M:497:LEU:HD23	1:M:500:LYS:HD3	1.59	0.85
1:M:561:LEU:HA	1:M:564:ILE:HD11	1.58	0.85
1:P:203:ILE:HG23	1:P:231:LEU:HD22	1.55	0.85
1:P:359:VAL:CG1	1:P:360:LEU:HD12	2.06	0.85
1:P:496:PHE:CZ	1:P:558:TYR:HD1	1.95	0.85
1:A:561:LEU:HA	1:A:564:ILE:HD11	1.59	0.85
1:B:298:LYS:HE3	1:B:316:VAL:HG12	1.57	0.85
1:C:37:LYS:NZ	1:C:39:ILE:HG12	1.92	0.85
1:C:106:TYR:CE1	1:C:169:LYS:HB2	2.11	0.85
1:C:496:PHE:CZ	1:C:558:TYR:HD1	1.95	0.85
1:D:298:LYS:HE3	1:D:316:VAL:HG12	1.57	0.85
1:E:298:LYS:HE3	1:E:316:VAL:HG12	1.57	0.85
1:E:344:VAL:HG11	1:E:429:LEU:HD21	1.57	0.85
1:H:335:LEU:HB2	1:H:339:ASP:OD1	1.77	0.85
1:H:384:ILE:HG21	1:H:463:LEU:HD22	1.59	0.85
1:I:298:LYS:HE3	1:I:316:VAL:HG12	1.57	0.85
1:I:395:LYS:HA	1:I:395:LYS:CE	2.04	0.85
1:J:92:ILE:HG12	1:J:96:GLN:HE22	1.42	0.85
1:J:298:LYS:HE3	1:J:316:VAL:HG12	1.57	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:483:ARG:HG3	1:L:487:PHE:CE1	2.12	0.85
1:M:24:VAL:HA	1:M:27:PHE:CD2	2.11	0.85
1:N:335:LEU:HB2	1:N:339:ASP:OD1	1.77	0.85
1:P:12:TYR:CZ	1:P:15:ILE:HD12	2.11	0.85
1:C:69:GLN:HG2	1:C:71:GLU:H	1.42	0.84
1:C:497:LEU:HD23	1:C:500:LYS:HD3	1.59	0.84
1:E:92:ILE:HG12	1:E:96:GLN:HE22	1.42	0.84
1:E:277:ALA:CA	1:F:119:VAL:C	2.43	0.84
1:F:37:LYS:NZ	1:F:39:ILE:HG12	1.92	0.84
1:F:92:ILE:HG12	1:F:96:GLN:HE22	1.42	0.84
1:F:203:ILE:HG23	1:F:231:LEU:HD22	1.55	0.84
1:F:359:VAL:CG1	1:F:360:LEU:HD12	2.06	0.84
1:H:12:TYR:CZ	1:H:15:ILE:HD12	2.11	0.84
1:H:120:PHE:CE1	1:H:122:LYS:HD3	2.12	0.84
1:H:353:ILE:CG2	1:H:430:LYS:HD2	2.06	0.84
1:H:497:LEU:HD23	1:H:500:LYS:HD3	1.59	0.84
1:I:92:ILE:HG12	1:I:96:GLN:HE22	1.42	0.84
1:K:497:LEU:HD23	1:K:500:LYS:HD3	1.59	0.84
1:N:24:VAL:HG23	1:N:27:PHE:CE2	2.11	0.84
1:N:353:ILE:CG2	1:N:430:LYS:HD2	2.06	0.84
1:O:69:GLN:HG2	1:O:71:GLU:H	1.42	0.84
1:O:123:TYR:CD1	1:O:304:TYR:HA	2.12	0.84
1:P:7:GLU:CG	1:P:107:ILE:HB	2.06	0.84
1:P:92:ILE:HG12	1:P:96:GLN:HE22	1.42	0.84
1:A:24:VAL:HA	1:A:27:PHE:CD2	2.11	0.84
1:A:344:VAL:HG11	1:A:429:LEU:HD21	1.57	0.84
1:C:92:ILE:HG12	1:C:96:GLN:HE22	1.42	0.84
1:C:384:ILE:HG21	1:C:463:LEU:HD22	1.59	0.84
1:D:7:GLU:CG	1:D:107:ILE:HB	2.06	0.84
1:D:496:PHE:CZ	1:D:558:TYR:HD1	1.95	0.84
1:E:496:PHE:CZ	1:E:558:TYR:HD1	1.95	0.84
1:F:12:TYR:CZ	1:F:15:ILE:HD12	2.11	0.84
1:G:123:TYR:CD1	1:G:304:TYR:HA	2.12	0.84
1:G:491:PHE:CB	1:G:576:GLU:HG2	2.07	0.84
1:I:24:VAL:HA	1:I:27:PHE:CD2	2.11	0.84
1:I:277:ALA:CA	1:P:119:VAL:C	2.43	0.84
1:K:92:ILE:HG12	1:K:96:GLN:HE22	1.42	0.84
1:K:496:PHE:CZ	1:K:558:TYR:HD1	1.95	0.84
1:M:37:LYS:HZ3	1:M:39:ILE:HG12	1.40	0.84
1:M:120:PHE:CE1	1:M:122:LYS:HD3	2.12	0.84
1:N:12:TYR:CZ	1:N:15:ILE:HD12	2.11	0.84

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:384:ILE:HG21	1:N:463:LEU:HD22	1.59	0.84
1:N:497:LEU:HD23	1:N:500:LYS:HD3	1.59	0.84
1:O:491:PHE:CB	1:O:576:GLU:HG2	2.07	0.84
1:P:37:LYS:NZ	1:P:39:ILE:HG12	1.92	0.84
1:P:335:LEU:HB2	1:P:339:ASP:OD1	1.77	0.84
1:A:120:PHE:CE1	1:A:122:LYS:HD3	2.12	0.84
1:B:7:GLU:CG	1:B:107:ILE:HB	2.06	0.84
1:B:92:ILE:HG12	1:B:96:GLN:HE22	1.42	0.84
1:F:335:LEU:HB2	1:F:339:ASP:OD1	1.77	0.84
1:G:353:ILE:CG2	1:G:430:LYS:HD2	2.06	0.84
1:I:344:VAL:HG11	1:I:429:LEU:HD21	1.57	0.84
1:I:496:PHE:CZ	1:I:558:TYR:HD1	1.95	0.84
1:J:7:GLU:CG	1:J:107:ILE:HB	2.06	0.84
1:J:150:ASP:C	1:J:287:HIS:HB3	1.97	0.84
1:J:192:VAL:HG11	1:J:251:LYS:HD3	1.60	0.84
1:J:496:PHE:CZ	1:J:558:TYR:HD1	1.95	0.84
1:N:120:PHE:CE1	1:N:122:LYS:HD3	2.12	0.84
1:A:277:ALA:CB	1:B:119:VAL:O	2.23	0.84
1:B:120:PHE:CE1	1:B:122:LYS:HD3	2.12	0.84
1:D:150:ASP:C	1:D:287:HIS:HB3	1.97	0.84
1:D:192:VAL:HG11	1:D:251:LYS:HD3	1.60	0.84
1:E:286:ASP:CA	1:E:287:HIS:HB2	2.07	0.84
1:F:483:ARG:HG3	1:F:487:PHE:CE1	2.12	0.84
1:F:491:PHE:CB	1:F:576:GLU:HG2	2.07	0.84
1:H:483:ARG:HG3	1:H:487:PHE:CE1	2.12	0.84
1:K:384:ILE:HG21	1:K:463:LEU:HD22	1.59	0.84
1:L:7:GLU:CG	1:L:107:ILE:HB	2.06	0.84
1:L:92:ILE:HG12	1:L:96:GLN:HE22	1.42	0.84
1:L:120:PHE:CE1	1:L:122:LYS:HD3	2.12	0.84
1:N:483:ARG:HG3	1:N:487:PHE:CE1	2.12	0.84
1:P:69:GLN:HG2	1:P:71:GLU:H	1.42	0.84
1:C:192:VAL:HG11	1:C:251:LYS:HD3	1.60	0.84
1:D:68:LYS:HB2	1:D:72:MET:SD	2.18	0.84
1:D:313:PRO:O	1:D:316:VAL:HG22	1.78	0.84
1:F:69:GLN:HG2	1:F:71:GLU:H	1.42	0.84
1:F:123:TYR:CD1	1:F:304:TYR:HA	2.12	0.84
1:F:495:ARG:HE	1:F:561:LEU:HD12	1.42	0.84
1:G:313:PRO:O	1:G:316:VAL:HG22	1.77	0.84
1:H:244:LEU:HD22	1:H:262:ILE:HD12	1.60	0.84
1:K:24:VAL:HA	1:K:27:PHE:CD2	2.11	0.84
1:L:119:VAL:O	1:M:277:ALA:CB	2.23	0.84

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:244:LEU:HD22	1:N:262:ILE:HD12	1.60	0.84
1:N:313:PRO:O	1:N:316:VAL:HG22	1.78	0.84
1:O:353:ILE:CG2	1:O:430:LYS:HD2	2.06	0.84
1:O:384:ILE:HG21	1:O:463:LEU:HD22	1.59	0.84
1:P:123:TYR:CD1	1:P:304:TYR:HA	2.12	0.84
1:P:483:ARG:HG3	1:P:487:PHE:CE1	2.12	0.84
1:P:491:PHE:CB	1:P:576:GLU:HG2	2.07	0.84
1:A:114:TYR:HE1	1:H:280:THR:HG21	1.04	0.84
1:A:359:VAL:CG1	1:A:360:LEU:HD12	2.07	0.84
1:A:491:PHE:CB	1:A:576:GLU:HG2	2.07	0.84
1:A:496:PHE:CZ	1:A:558:TYR:HD1	1.95	0.84
1:C:68:LYS:HB2	1:C:72:MET:SD	2.18	0.84
1:D:138:LEU:HD12	1:D:263:LEU:HD21	1.58	0.84
1:D:141:LEU:HD11	1:E:3:PHE:CZ	2.13	0.84
1:F:353:ILE:CG2	1:F:430:LYS:HD2	2.06	0.84
1:G:69:GLN:HG2	1:G:71:GLU:H	1.42	0.84
1:G:148:LEU:HD21	1:G:253:TRP:HZ3	1.39	0.84
1:G:150:ASP:C	1:G:287:HIS:HB3	1.97	0.84
1:H:313:PRO:O	1:H:316:VAL:HG22	1.78	0.84
1:I:3:PHE:CZ	1:J:141:LEU:HD11	2.13	0.84
1:I:192:VAL:HG11	1:I:251:LYS:HD3	1.60	0.84
1:I:286:ASP:CA	1:I:287:HIS:HB2	2.07	0.84
1:I:384:ILE:HG21	1:I:463:LEU:HD22	1.59	0.84
1:J:68:LYS:HB2	1:J:72:MET:SD	2.18	0.84
1:J:138:LEU:HD12	1:J:263:LEU:HD21	1.58	0.84
1:J:313:PRO:O	1:J:316:VAL:HG22	1.78	0.84
1:K:68:LYS:HB2	1:K:72:MET:SD	2.18	0.84
1:K:192:VAL:HG11	1:K:251:LYS:HD3	1.60	0.84
1:M:491:PHE:CB	1:M:576:GLU:HG2	2.07	0.84
1:M:496:PHE:CZ	1:M:558:TYR:HD1	1.95	0.84
1:O:313:PRO:O	1:O:316:VAL:HG22	1.77	0.84
1:O:497:LEU:HD23	1:O:500:LYS:HD3	1.59	0.84
1:B:141:LEU:HD11	1:C:3:PHE:CZ	2.13	0.84
1:B:193:LEU:CD2	1:B:221:ILE:HG22	2.08	0.84
1:C:24:VAL:HA	1:C:27:PHE:CD2	2.11	0.84
1:C:193:LEU:CD2	1:C:221:ILE:HG22	2.08	0.84
1:C:335:LEU:HB2	1:C:339:ASP:OD1	1.77	0.84
1:C:561:LEU:HA	1:C:564:ILE:HD11	1.59	0.84
1:D:193:LEU:CD2	1:D:221:ILE:HG22	2.08	0.84
1:E:121:ALA:HA	1:E:304:TYR:OH	1.78	0.84
1:E:192:VAL:HG11	1:E:251:LYS:HD3	1.60	0.84

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:384:ILE:HG21	1:E:463:LEU:HD22	1.59	0.84
1:E:483:ARG:HG3	1:E:487:PHE:CE1	2.12	0.84
1:G:280:THR:HG21	1:H:114:TYR:HE1	1.04	0.84
1:G:286:ASP:CA	1:G:287:HIS:HB2	2.07	0.84
1:G:497:LEU:HD23	1:G:500:LYS:HD3	1.59	0.84
1:I:121:ALA:HA	1:I:304:TYR:OH	1.78	0.84
1:I:353:ILE:CG2	1:I:430:LYS:HD2	2.06	0.84
1:J:193:LEU:CD2	1:J:221:ILE:HG22	2.08	0.84
1:K:3:PHE:CZ	1:L:141:LEU:HD11	2.13	0.84
1:K:193:LEU:CD2	1:K:221:ILE:HG22	2.08	0.84
1:K:335:LEU:HB2	1:K:339:ASP:OD1	1.77	0.84
1:K:561:LEU:HA	1:K:564:ILE:HD11	1.59	0.84
1:L:119:VAL:C	1:M:277:ALA:CA	2.43	0.84
1:L:193:LEU:CD2	1:L:221:ILE:HG22	2.08	0.84
1:L:384:ILE:HG21	1:L:463:LEU:HD22	1.59	0.84
1:M:114:TYR:HE1	1:N:280:THR:HG21	1.04	0.84
1:M:150:ASP:C	1:M:287:HIS:HB3	1.97	0.84
1:M:359:VAL:CG1	1:M:360:LEU:HD12	2.07	0.84
1:O:114:TYR:HE1	1:P:280:THR:HG21	1.04	0.84
1:O:150:ASP:C	1:O:287:HIS:HB3	1.97	0.84
1:P:353:ILE:CG2	1:P:430:LYS:HD2	2.06	0.84
1:P:495:ARG:HE	1:P:561:LEU:HD12	1.42	0.84
1:B:277:ALA:CB	1:C:119:VAL:O	2.23	0.84
1:B:384:ILE:HG21	1:B:463:LEU:HD22	1.59	0.84
1:E:120:PHE:CE1	1:E:122:LYS:HD3	2.12	0.84
1:E:353:ILE:CG2	1:E:430:LYS:HD2	2.06	0.84
1:F:519:GLN:HG3	1:F:523:PHE:CZ	2.13	0.84
1:I:120:PHE:CE1	1:I:122:LYS:HD3	2.12	0.84
1:J:3:PHE:CZ	1:K:141:LEU:HD11	2.13	0.84
1:L:150:ASP:C	1:L:287:HIS:HB3	1.97	0.84
1:N:148:LEU:HD11	1:N:253:TRP:CH2	2.08	0.84
1:O:286:ASP:CA	1:O:287:HIS:HB2	2.06	0.84
1:A:150:ASP:C	1:A:287:HIS:HB3	1.97	0.84
1:A:277:ALA:CA	1:B:119:VAL:C	2.43	0.84
1:B:313:PRO:O	1:B:316:VAL:HG22	1.78	0.84
1:C:141:LEU:HD11	1:D:3:PHE:CZ	2.13	0.84
1:D:326:ILE:HG21	1:D:349:LEU:HD11	1.60	0.84
1:E:519:GLN:HG3	1:E:523:PHE:CZ	2.13	0.84
1:F:280:THR:HG21	1:G:114:TYR:HE1	1.04	0.84
1:G:495:ARG:HE	1:G:561:LEU:HD12	1.42	0.84
1:H:495:ARG:HE	1:H:561:LEU:HD12	1.42	0.84

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:193:LEU:CD2	1:I:221:ILE:HG22	2.08	0.84
1:I:483:ARG:HG3	1:I:487:PHE:CE1	2.12	0.84
1:I:519:GLN:HG3	1:I:523:PHE:CZ	2.13	0.84
1:L:68:LYS:HB2	1:L:72:MET:SD	2.18	0.84
1:L:313:PRO:O	1:L:316:VAL:HG22	1.78	0.84
1:M:368:MET:HB3	1:M:390:TRP:CE2	2.13	0.84
1:N:114:TYR:HE1	1:O:280:THR:HG21	1.04	0.84
1:O:148:LEU:HD21	1:O:253:TRP:HZ3	1.39	0.84
1:O:519:GLN:HG3	1:O:523:PHE:CZ	2.13	0.84
1:P:150:ASP:C	1:P:287:HIS:HB3	1.97	0.84
1:P:519:GLN:HG3	1:P:523:PHE:CZ	2.13	0.84
1:A:141:LEU:HD11	1:B:3:PHE:CZ	2.13	0.84
1:B:68:LYS:HB2	1:B:72:MET:SD	2.18	0.84
1:B:76:PHE:O	1:B:79:GLU:HG3	1.78	0.84
1:B:150:ASP:C	1:B:287:HIS:HB3	1.97	0.84
1:B:251:LYS:HA	1:B:254:ASN:OD1	1.78	0.84
1:C:256:PHE:CE2	1:C:262:ILE:HB	2.13	0.84
1:C:286:ASP:CA	1:C:287:HIS:HB2	2.07	0.84
1:D:519:GLN:HG3	1:D:523:PHE:CZ	2.13	0.84
1:E:193:LEU:CD2	1:E:221:ILE:HG22	2.08	0.84
1:F:150:ASP:C	1:F:287:HIS:HB3	1.97	0.84
1:G:519:GLN:HG3	1:G:523:PHE:CZ	2.13	0.84
1:H:148:LEU:HD11	1:H:253:TRP:CH2	2.08	0.84
1:I:313:PRO:O	1:I:316:VAL:HG22	1.77	0.84
1:J:69:GLN:HG2	1:J:71:GLU:H	1.42	0.84
1:J:114:TYR:HE1	1:K:280:THR:HG21	1.04	0.84
1:J:326:ILE:HG21	1:J:349:LEU:HD11	1.60	0.84
1:K:256:PHE:CE2	1:K:262:ILE:HB	2.13	0.84
1:L:76:PHE:O	1:L:79:GLU:HG3	1.78	0.84
1:M:256:PHE:CE2	1:M:262:ILE:HB	2.13	0.84
1:N:495:ARG:HE	1:N:561:LEU:HD12	1.42	0.84
1:O:483:ARG:HG3	1:O:487:PHE:CE1	2.12	0.84
1:A:119:VAL:CG2	1:H:278:ALA:HA	2.08	0.83
1:A:193:LEU:CD2	1:A:221:ILE:HG22	2.08	0.83
1:A:256:PHE:CE2	1:A:262:ILE:HB	2.13	0.83
1:A:313:PRO:O	1:A:316:VAL:HG22	1.77	0.83
1:A:368:MET:HB3	1:A:390:TRP:CE2	2.13	0.83
1:B:123:TYR:CD1	1:B:304:TYR:HA	2.12	0.83
1:C:120:PHE:CE1	1:C:122:LYS:HD3	2.12	0.83
1:C:541:ALA:HB1	1:C:571:GLU:CD	1.99	0.83
1:D:69:GLN:HG2	1:D:71:GLU:H	1.42	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:37:LYS:NZ	1:E:39:ILE:HG12	1.92	0.83
1:F:219:LEU:HD11	1:G:197:GLN:HE22	1.01	0.83
1:F:541:ALA:HB1	1:F:571:GLU:CD	1.99	0.83
1:H:121:ALA:HA	1:H:304:TYR:OH	1.78	0.83
1:H:382:PRO:HD2	1:H:466:TYR:HB2	1.60	0.83
1:I:68:LYS:HB2	1:I:72:MET:SD	2.18	0.83
1:J:123:TYR:CD1	1:J:304:TYR:HA	2.12	0.83
1:J:368:MET:HB3	1:J:390:TRP:CE2	2.13	0.83
1:J:519:GLN:HG3	1:J:523:PHE:CZ	2.13	0.83
1:K:286:ASP:CA	1:K:287:HIS:HB2	2.06	0.83
1:K:359:VAL:CG1	1:K:360:LEU:HD12	2.07	0.83
1:K:368:MET:HB3	1:K:390:TRP:CE2	2.13	0.83
1:L:3:PHE:CZ	1:M:141:LEU:HD11	2.13	0.83
1:L:35:MET:HG2	1:L:40:LEU:CD2	2.08	0.83
1:L:114:TYR:HE1	1:M:280:THR:HG21	1.04	0.83
1:L:251:LYS:HA	1:L:254:ASN:OD1	1.78	0.83
1:L:359:VAL:CG1	1:L:360:LEU:HD12	2.06	0.83
1:N:121:ALA:HA	1:N:304:TYR:OH	1.78	0.83
1:N:150:ASP:C	1:N:287:HIS:HB3	1.97	0.83
1:N:382:PRO:HD2	1:N:466:TYR:HB2	1.60	0.83
1:O:197:GLN:HE22	1:P:219:LEU:HD11	1.01	0.83
1:O:368:MET:HB3	1:O:390:TRP:CE2	2.13	0.83
1:O:495:ARG:HE	1:O:561:LEU:HD12	1.42	0.83
1:P:541:ALA:HB1	1:P:571:GLU:CD	1.99	0.83
1:A:35:MET:HG2	1:A:40:LEU:CD2	2.08	0.83
1:A:286:ASP:CA	1:A:287:HIS:HB2	2.07	0.83
1:B:35:MET:HG2	1:B:40:LEU:CD2	2.08	0.83
1:B:335:LEU:HB2	1:B:339:ASP:OD1	1.77	0.83
1:B:359:VAL:CG1	1:B:360:LEU:HD12	2.06	0.83
1:B:476:LYS:HB2	1:B:527:TYR:CD1	2.13	0.83
1:C:35:MET:HG2	1:C:40:LEU:CD2	2.08	0.83
1:C:95:GLU:HG2	1:C:96:GLN:OE1	1.78	0.83
1:C:359:VAL:CG1	1:C:360:LEU:HD12	2.07	0.83
1:C:368:MET:HB3	1:C:390:TRP:CE2	2.13	0.83
1:D:359:VAL:CG1	1:D:360:LEU:HD12	2.06	0.83
1:D:368:MET:HB3	1:D:390:TRP:CE2	2.13	0.83
1:D:491:PHE:CB	1:D:576:GLU:HG2	2.07	0.83
1:D:497:LEU:HD23	1:D:500:LYS:HD3	1.59	0.83
1:D:541:ALA:HB1	1:D:571:GLU:CD	1.99	0.83
1:E:123:TYR:CD1	1:E:304:TYR:HA	2.12	0.83
1:E:368:MET:HB3	1:E:390:TRP:CE2	2.13	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:90:SER:HA	1:F:93:LYS:CD	2.08	0.83
1:F:121:ALA:HA	1:F:304:TYR:OH	1.78	0.83
1:F:256:PHE:CE2	1:F:262:ILE:HB	2.13	0.83
1:G:56:SER:HB3	1:G:128:LEU:HD22	1.61	0.83
1:G:326:ILE:HG21	1:G:349:LEU:HD11	1.60	0.83
1:G:483:ARG:HG3	1:G:487:PHE:CE1	2.12	0.83
1:H:90:SER:HA	1:H:93:LYS:CD	2.08	0.83
1:H:150:ASP:C	1:H:287:HIS:HB3	1.97	0.83
1:H:491:PHE:CB	1:H:576:GLU:HG2	2.07	0.83
1:I:123:TYR:CD1	1:I:304:TYR:HA	2.12	0.83
1:I:359:VAL:CG1	1:I:360:LEU:HD12	2.07	0.83
1:J:37:LYS:NZ	1:J:39:ILE:HG12	1.92	0.83
1:J:121:ALA:HA	1:J:304:TYR:OH	1.78	0.83
1:J:497:LEU:HD23	1:J:500:LYS:HD3	1.59	0.83
1:J:541:ALA:HB1	1:J:571:GLU:CD	1.99	0.83
1:K:251:LYS:HA	1:K:254:ASN:OD1	1.78	0.83
1:K:476:LYS:HB2	1:K:527:TYR:CD1	2.13	0.83
1:K:541:ALA:HB1	1:K:571:GLU:CD	1.99	0.83
1:L:123:TYR:CD1	1:L:304:TYR:HA	2.12	0.83
1:L:476:LYS:HB2	1:L:527:TYR:CD1	2.13	0.83
1:M:35:MET:HG2	1:M:40:LEU:CD2	2.08	0.83
1:M:119:VAL:CG2	1:N:278:ALA:HA	2.08	0.83
1:M:193:LEU:CD2	1:M:221:ILE:HG22	2.08	0.83
1:M:313:PRO:O	1:M:316:VAL:HG22	1.77	0.83
1:N:90:SER:HA	1:N:93:LYS:CD	2.08	0.83
1:N:326:ILE:HG21	1:N:349:LEU:HD11	1.60	0.83
1:O:326:ILE:HG21	1:O:349:LEU:HD11	1.60	0.83
1:P:90:SER:HA	1:P:93:LYS:CD	2.08	0.83
1:A:281:THR:HG21	1:B:3:PHE:CZ	2.14	0.83
1:A:476:LYS:HB2	1:A:527:TYR:CD1	2.13	0.83
1:A:559:THR:HA	1:A:1036:UNK:O	1.79	0.83
1:B:368:MET:HB3	1:B:390:TRP:CE2	2.13	0.83
1:C:251:LYS:HA	1:C:254:ASN:OD1	1.78	0.83
1:C:326:ILE:HG21	1:C:349:LEU:HD11	1.60	0.83
1:C:476:LYS:HB2	1:C:527:TYR:CD1	2.13	0.83
1:D:95:GLU:HG2	1:D:96:GLN:OE1	1.78	0.83
1:E:256:PHE:CE2	1:E:262:ILE:HB	2.13	0.83
1:E:313:PRO:O	1:E:316:VAL:HG22	1.77	0.83
1:F:192:VAL:HG11	1:F:251:LYS:HD3	1.60	0.83
1:F:384:ILE:HG21	1:F:463:LEU:HD22	1.59	0.83
1:G:382:PRO:HD2	1:G:466:TYR:HB2	1.60	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:384:ILE:HG21	1:G:463:LEU:HD22	1.59	0.83
1:H:76:PHE:O	1:H:79:GLU:HG3	1.78	0.83
1:H:326:ILE:HG21	1:H:349:LEU:HD11	1.60	0.83
1:H:561:LEU:HA	1:H:564:ILE:HD11	1.59	0.83
1:I:37:LYS:NZ	1:I:39:ILE:HG12	1.92	0.83
1:I:69:GLN:HG2	1:I:71:GLU:H	1.42	0.83
1:I:256:PHE:CE2	1:I:262:ILE:HB	2.13	0.83
1:I:277:ALA:CA	1:P:119:VAL:CA	2.22	0.83
1:I:368:MET:HB3	1:I:390:TRP:CE2	2.13	0.83
1:J:95:GLU:HG2	1:J:96:GLN:OE1	1.78	0.83
1:J:382:PRO:HD2	1:J:466:TYR:HB2	1.60	0.83
1:J:483:ARG:HD3	1:J:531:ASN:HD21	1.43	0.83
1:J:491:PHE:CB	1:J:576:GLU:HG2	2.07	0.83
1:K:35:MET:HG2	1:K:40:LEU:CD2	2.08	0.83
1:K:95:GLU:HG2	1:K:96:GLN:OE1	1.78	0.83
1:K:119:VAL:CG2	1:L:278:ALA:HA	2.08	0.83
1:K:120:PHE:CE1	1:K:122:LYS:HD3	2.12	0.83
1:L:3:PHE:CZ	1:M:281:THR:HG21	2.14	0.83
1:L:119:VAL:CG2	1:M:278:ALA:HA	2.08	0.83
1:M:476:LYS:HB2	1:M:527:TYR:CD1	2.13	0.83
1:M:559:THR:HA	1:M:1036:UNK:O	1.79	0.83
1:O:56:SER:HB3	1:O:128:LEU:HD22	1.61	0.83
1:P:256:PHE:CE2	1:P:262:ILE:HB	2.13	0.83
1:A:280:THR:HG21	1:B:114:TYR:HE1	1.04	0.83
1:A:286:ASP:HB3	1:A:288:HIS:N	1.94	0.83
1:B:2:ASP:N	1:B:70:GLU:HG3	1.94	0.83
1:B:278:ALA:HA	1:C:119:VAL:CG2	2.08	0.83
1:B:491:PHE:CB	1:B:576:GLU:HG2	2.07	0.83
1:C:280:THR:HG21	1:D:114:TYR:HE1	1.04	0.83
1:D:37:LYS:NZ	1:D:39:ILE:HG12	1.92	0.83
1:D:56:SER:HB3	1:D:128:LEU:HD22	1.61	0.83
1:D:121:ALA:HA	1:D:304:TYR:OH	1.78	0.83
1:D:483:ARG:HD3	1:D:531:ASN:HD21	1.43	0.83
1:E:69:GLN:HG2	1:E:71:GLU:H	1.42	0.83
1:E:359:VAL:CG1	1:E:360:LEU:HD12	2.07	0.83
1:F:497:LEU:HD23	1:F:500:LYS:HD3	1.59	0.83
1:G:286:ASP:HB3	1:G:288:HIS:N	1.94	0.83
1:G:344:VAL:HG11	1:G:429:LEU:HD21	1.57	0.83
1:G:368:MET:HB3	1:G:390:TRP:CE2	2.13	0.83
1:H:476:LYS:HB2	1:H:527:TYR:CD1	2.13	0.83
1:I:219:LEU:HD11	1:P:197:GLN:HE22	1.01	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:359:VAL:CG1	1:J:360:LEU:HD12	2.06	0.83
1:K:326:ILE:HG21	1:K:349:LEU:HD11	1.60	0.83
1:L:2:ASP:N	1:L:70:GLU:HG3	1.94	0.83
1:L:335:LEU:HB2	1:L:339:ASP:OD1	1.77	0.83
1:L:368:MET:HB3	1:L:390:TRP:CE2	2.13	0.83
1:M:3:PHE:CZ	1:N:281:THR:HG21	2.14	0.83
1:M:286:ASP:CA	1:M:287:HIS:HB2	2.06	0.83
1:N:76:PHE:O	1:N:79:GLU:HG3	1.78	0.83
1:N:476:LYS:HB2	1:N:527:TYR:CD1	2.13	0.83
1:N:491:PHE:CB	1:N:576:GLU:HG2	2.07	0.83
1:O:382:PRO:HD2	1:O:466:TYR:HB2	1.60	0.83
1:P:121:ALA:HA	1:P:304:TYR:OH	1.78	0.83
1:P:192:VAL:HG11	1:P:251:LYS:HD3	1.60	0.83
1:P:497:LEU:HD23	1:P:500:LYS:HD3	1.59	0.83
1:A:3:PHE:CZ	1:H:281:THR:HG21	2.14	0.83
1:A:76:PHE:O	1:A:79:GLU:HG3	1.78	0.83
1:A:244:LEU:HD22	1:A:262:ILE:HD12	1.60	0.83
1:A:278:ALA:HA	1:B:119:VAL:CG2	2.08	0.83
1:A:541:ALA:HB1	1:A:571:GLU:CD	1.99	0.83
1:B:56:SER:CB	1:B:128:LEU:HD22	2.09	0.83
1:C:56:SER:HB3	1:C:128:LEU:HD22	1.61	0.83
1:C:519:GLN:HG3	1:C:523:PHE:CZ	2.13	0.83
1:D:222:HIS:HA	1:D:225:GLN:HE22	1.43	0.83
1:D:335:LEU:HB2	1:D:339:ASP:OD1	1.77	0.83
1:D:382:PRO:HD2	1:D:466:TYR:HB2	1.60	0.83
1:E:68:LYS:HB2	1:E:72:MET:SD	2.18	0.83
1:E:219:LEU:HD11	1:F:197:GLN:HE22	1.01	0.83
1:F:286:ASP:HB3	1:F:288:HIS:N	1.94	0.83
1:F:491:PHE:HA	1:F:576:GLU:HG2	1.61	0.83
1:G:256:PHE:CE2	1:G:262:ILE:HB	2.13	0.83
1:H:396:SER:HA	1:H:399:MET:HG2	1.61	0.83
1:I:222:HIS:HA	1:I:225:GLN:HE22	1.43	0.83
1:I:335:LEU:HB2	1:I:339:ASP:OD1	1.77	0.83
1:J:56:SER:HB3	1:J:128:LEU:HD22	1.61	0.83
1:J:222:HIS:HA	1:J:225:GLN:HE22	1.43	0.83
1:K:382:PRO:HD2	1:K:466:TYR:HB2	1.60	0.83
1:K:519:GLN:HG3	1:K:523:PHE:CZ	2.13	0.83
1:L:491:PHE:CB	1:L:576:GLU:HG2	2.07	0.83
1:M:3:PHE:CZ	1:N:141:LEU:HD11	2.13	0.83
1:M:121:ALA:HA	1:M:304:TYR:OH	1.78	0.83
1:M:286:ASP:HB3	1:M:288:HIS:N	1.94	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:56:SER:HB3	1:N:128:LEU:HD22	1.61	0.83
1:N:396:SER:HA	1:N:399:MET:HG2	1.61	0.83
1:O:256:PHE:CE2	1:O:262:ILE:HB	2.13	0.83
1:O:286:ASP:HB3	1:O:288:HIS:N	1.94	0.83
1:O:344:VAL:HG11	1:O:429:LEU:HD21	1.57	0.83
1:P:56:SER:CB	1:P:128:LEU:HD22	2.09	0.83
1:P:286:ASP:HB3	1:P:288:HIS:N	1.94	0.83
1:P:491:PHE:HA	1:P:576:GLU:HG2	1.61	0.83
1:P:561:LEU:HA	1:P:564:ILE:HD11	1.59	0.83
1:A:3:PHE:CZ	1:H:141:LEU:HD11	2.13	0.83
1:A:121:ALA:HA	1:A:304:TYR:OH	1.78	0.83
1:A:519:GLN:HG3	1:A:523:PHE:CZ	2.13	0.83
1:B:192:VAL:HG11	1:B:251:LYS:HD3	1.60	0.83
1:B:441:ARG:O	1:B:444:VAL:HG12	1.79	0.83
1:C:382:PRO:HD2	1:C:466:TYR:HB2	1.60	0.83
1:D:281:THR:HG21	1:E:3:PHE:CZ	2.14	0.83
1:D:286:ASP:HB3	1:D:288:HIS:N	1.94	0.83
1:E:222:HIS:HA	1:E:225:GLN:HE22	1.43	0.83
1:E:286:ASP:HB3	1:E:288:HIS:N	1.94	0.83
1:E:326:ILE:HG21	1:E:349:LEU:HD11	1.60	0.83
1:F:56:SER:CB	1:F:128:LEU:HD22	2.09	0.83
1:F:56:SER:HB3	1:F:128:LEU:HD22	1.61	0.83
1:F:326:ILE:HG21	1:F:349:LEU:HD11	1.60	0.83
1:F:382:PRO:HD2	1:F:466:TYR:HB2	1.60	0.83
1:G:491:PHE:HA	1:G:576:GLU:HG2	1.61	0.83
1:H:35:MET:HG2	1:H:40:LEU:CD2	2.08	0.83
1:H:56:SER:HB3	1:H:128:LEU:HD22	1.61	0.83
1:H:138:LEU:HD12	1:H:263:LEU:HD21	1.58	0.83
1:I:3:PHE:CZ	1:J:281:THR:HG21	2.14	0.83
1:I:138:LEU:HD12	1:I:263:LEU:HD21	1.58	0.83
1:I:286:ASP:HB3	1:I:288:HIS:N	1.94	0.83
1:I:326:ILE:HG21	1:I:349:LEU:HD11	1.60	0.83
1:K:76:PHE:O	1:K:79:GLU:HG3	1.78	0.83
1:K:138:LEU:HD12	1:K:263:LEU:HD21	1.58	0.83
1:L:244:LEU:HD22	1:L:262:ILE:HD12	1.60	0.83
1:L:441:ARG:O	1:L:444:VAL:HG12	1.79	0.83
1:M:382:PRO:HD2	1:M:466:TYR:HB2	1.60	0.83
1:M:541:ALA:HB1	1:M:571:GLU:CD	1.99	0.83
1:N:35:MET:HG2	1:N:40:LEU:CD2	2.08	0.83
1:N:561:LEU:HA	1:N:564:ILE:HD11	1.59	0.83
1:O:68:LYS:HB2	1:O:72:MET:SD	2.18	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:491:PHE:HA	1:O:576:GLU:HG2	1.61	0.83
1:P:193:LEU:CD2	1:P:221:ILE:HG22	2.08	0.83
1:P:384:ILE:HG21	1:P:463:LEU:HD22	1.59	0.83
1:A:69:GLN:HG2	1:A:71:GLU:H	1.42	0.83
1:A:382:PRO:HD2	1:A:466:TYR:HB2	1.60	0.83
1:B:326:ILE:HG21	1:B:349:LEU:HD11	1.60	0.83
1:B:356:SER:O	1:B:359:VAL:HG12	1.79	0.83
1:B:519:GLN:HG3	1:B:523:PHE:CZ	2.13	0.83
1:C:76:PHE:O	1:C:79:GLU:HG3	1.78	0.83
1:C:286:ASP:HB3	1:C:288:HIS:N	1.94	0.83
1:F:244:LEU:HD22	1:F:262:ILE:HD12	1.60	0.83
1:G:68:LYS:HB2	1:G:72:MET:SD	2.18	0.83
1:G:219:LEU:HD11	1:H:197:GLN:HE22	1.01	0.83
1:G:251:LYS:HA	1:G:254:ASN:OD1	1.78	0.83
1:H:286:ASP:HB3	1:H:288:HIS:N	1.94	0.83
1:H:519:GLN:HG3	1:H:523:PHE:CZ	2.13	0.83
1:I:541:ALA:HB1	1:I:571:GLU:CD	1.99	0.83
1:J:286:ASP:HB3	1:J:288:HIS:N	1.94	0.83
1:J:335:LEU:HB2	1:J:339:ASP:OD1	1.77	0.83
1:K:56:SER:HB3	1:K:128:LEU:HD22	1.61	0.83
1:K:150:ASP:C	1:K:287:HIS:HB3	1.97	0.83
1:K:356:SER:O	1:K:359:VAL:HG12	1.79	0.83
1:L:56:SER:CB	1:L:128:LEU:HD22	2.09	0.83
1:L:95:GLU:HG2	1:L:96:GLN:OE1	1.78	0.83
1:L:192:VAL:HG11	1:L:251:LYS:HD3	1.60	0.83
1:L:356:SER:O	1:L:359:VAL:HG12	1.79	0.83
1:M:76:PHE:O	1:M:79:GLU:HG3	1.78	0.83
1:M:244:LEU:HD22	1:M:262:ILE:HD12	1.60	0.83
1:M:519:GLN:HG3	1:M:523:PHE:CZ	2.13	0.83
1:N:286:ASP:HB3	1:N:288:HIS:N	1.94	0.83
1:N:541:ALA:HB1	1:N:571:GLU:CD	1.99	0.83
1:P:56:SER:HB3	1:P:128:LEU:HD22	1.61	0.83
1:P:68:LYS:HB2	1:P:72:MET:SD	2.18	0.83
1:P:244:LEU:HD22	1:P:262:ILE:HD12	1.60	0.83
1:P:326:ILE:HG21	1:P:349:LEU:HD11	1.60	0.83
1:A:251:LYS:HA	1:A:254:ASN:OD1	1.78	0.83
1:A:480:HIS:HB3	1:A:530:ASP:O	1.79	0.83
1:A:491:PHE:HA	1:A:576:GLU:HG2	1.61	0.83
1:A:495:ARG:HE	1:A:561:LEU:HD12	1.42	0.83
1:B:95:GLU:HG2	1:B:96:GLN:OE1	1.78	0.83
1:B:244:LEU:HD22	1:B:262:ILE:HD12	1.60	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:286:ASP:HB3	1:B:288:HIS:N	1.94	0.83
1:C:150:ASP:C	1:C:287:HIS:HB3	1.97	0.83
1:C:356:SER:O	1:C:359:VAL:HG12	1.79	0.83
1:D:2:ASP:N	1:D:70:GLU:HG3	1.94	0.83
1:D:396:SER:HA	1:D:399:MET:HG2	1.61	0.83
1:E:138:LEU:HD12	1:E:263:LEU:HD21	1.58	0.83
1:E:281:THR:HG21	1:F:3:PHE:CZ	2.14	0.83
1:E:335:LEU:HB2	1:E:339:ASP:OD1	1.77	0.83
1:E:382:PRO:HD2	1:E:466:TYR:HB2	1.60	0.83
1:E:541:ALA:HB1	1:E:571:GLU:CD	1.99	0.83
1:F:2:ASP:N	1:F:70:GLU:HG3	1.94	0.83
1:F:193:LEU:CD2	1:F:221:ILE:HG22	2.08	0.83
1:F:396:SER:HA	1:F:399:MET:HG2	1.61	0.83
1:G:56:SER:CB	1:G:128:LEU:HD22	2.08	0.83
1:G:559:THR:HA	1:G:1036:UNK:O	1.79	0.83
1:H:56:SER:CB	1:H:128:LEU:HD22	2.09	0.83
1:H:251:LYS:HA	1:H:254:ASN:OD1	1.78	0.83
1:H:483:ARG:HD3	1:H:531:ASN:HD21	1.43	0.83
1:H:541:ALA:HB1	1:H:571:GLU:CD	1.99	0.83
1:I:382:PRO:HD2	1:I:466:TYR:HB2	1.60	0.83
1:I:495:ARG:HE	1:I:561:LEU:HD12	1.42	0.83
1:J:2:ASP:N	1:J:70:GLU:HG3	1.94	0.83
1:K:286:ASP:HB3	1:K:288:HIS:N	1.94	0.83
1:K:559:THR:HG23	1:K:1037:UNK:N	1.94	0.83
1:L:56:SER:HB3	1:L:128:LEU:HD22	1.61	0.83
1:L:286:ASP:HB3	1:L:288:HIS:N	1.94	0.83
1:L:519:GLN:HG3	1:L:523:PHE:CZ	2.13	0.83
1:M:480:HIS:HB3	1:M:530:ASP:O	1.79	0.83
1:N:138:LEU:HD12	1:N:263:LEU:HD21	1.58	0.83
1:N:256:PHE:CE2	1:N:262:ILE:HB	2.13	0.83
1:N:519:GLN:HG3	1:N:523:PHE:CZ	2.13	0.83
1:O:56:SER:CB	1:O:128:LEU:HD22	2.09	0.83
1:O:251:LYS:HA	1:O:254:ASN:OD1	1.78	0.83
1:O:559:THR:HA	1:O:1036:UNK:O	1.79	0.83
1:P:251:LYS:HA	1:P:254:ASN:OD1	1.78	0.83
1:P:368:MET:HB3	1:P:390:TRP:CE2	2.13	0.83
1:P:382:PRO:HD2	1:P:466:TYR:HB2	1.60	0.83
1:P:396:SER:HA	1:P:399:MET:HG2	1.61	0.83
1:A:56:SER:HB3	1:A:128:LEU:HD22	1.61	0.83
1:A:138:LEU:HD12	1:A:263:LEU:HD21	1.58	0.83
1:B:56:SER:HB3	1:B:128:LEU:HD22	1.61	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:329:GLU:O	1:B:332:ARG:HG2	1.79	0.83
1:C:123:TYR:CD1	1:C:304:TYR:HA	2.12	0.83
1:C:138:LEU:HD12	1:C:263:LEU:HD21	1.58	0.83
1:C:559:THR:HG23	1:C:1037:UNK:N	1.94	0.83
1:D:35:MET:HG2	1:D:40:LEU:CD2	2.08	0.83
1:D:56:SER:CB	1:D:128:LEU:HD22	2.09	0.83
1:D:123:TYR:CD1	1:D:304:TYR:HA	2.12	0.83
1:D:135:ARG:HG2	1:D:136:GLN:N	1.94	0.83
1:D:480:HIS:HB3	1:D:530:ASP:O	1.79	0.83
1:F:68:LYS:HB2	1:F:72:MET:SD	2.18	0.83
1:F:95:GLU:HG2	1:F:96:GLN:OE1	1.78	0.83
1:F:251:LYS:HA	1:F:254:ASN:OD1	1.78	0.83
1:F:277:ALA:CA	1:G:119:VAL:C	2.43	0.83
1:F:561:LEU:HA	1:F:564:ILE:HD11	1.59	0.83
1:G:121:ALA:HA	1:G:304:TYR:OH	1.78	0.83
1:H:92:ILE:HG12	1:H:96:GLN:HE22	1.42	0.83
1:H:491:PHE:HA	1:H:576:GLU:HG2	1.61	0.83
1:I:141:LEU:HD11	1:P:3:PHE:CZ	2.13	0.83
1:I:251:LYS:HA	1:I:254:ASN:OD1	1.78	0.83
1:J:35:MET:HG2	1:J:40:LEU:CD2	2.08	0.83
1:J:135:ARG:HG2	1:J:136:GLN:N	1.94	0.83
1:J:396:SER:HA	1:J:399:MET:HG2	1.61	0.83
1:L:326:ILE:HG21	1:L:349:LEU:HD11	1.60	0.83
1:L:559:THR:HG23	1:L:1037:UNK:N	1.94	0.83
1:M:56:SER:HB3	1:M:128:LEU:HD22	1.61	0.83
1:M:138:LEU:HD12	1:M:263:LEU:HD21	1.58	0.83
1:M:251:LYS:HA	1:M:254:ASN:OD1	1.78	0.83
1:M:326:ILE:HG21	1:M:349:LEU:HD11	1.60	0.83
1:M:356:SER:O	1:M:359:VAL:HG12	1.79	0.83
1:M:495:ARG:HE	1:M:561:LEU:HD12	1.42	0.83
1:M:559:THR:HG23	1:M:1037:UNK:N	1.94	0.83
1:N:56:SER:CB	1:N:128:LEU:HD22	2.09	0.83
1:N:197:GLN:HE22	1:O:219:LEU:HD11	1.01	0.83
1:N:483:ARG:HD3	1:N:531:ASN:HD21	1.43	0.83
1:O:119:VAL:C	1:P:277:ALA:CA	2.43	0.83
1:P:2:ASP:N	1:P:70:GLU:HG3	1.94	0.83
1:A:92:ILE:HG12	1:A:96:GLN:HE22	1.42	0.83
1:A:335:LEU:HB2	1:A:339:ASP:OD1	1.77	0.83
1:A:356:SER:O	1:A:359:VAL:HG12	1.79	0.83
1:B:559:THR:HA	1:B:1036:UNK:O	1.79	0.83
1:B:559:THR:HG23	1:B:1037:UNK:N	1.94	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:VAL:HA	1:C:45:ILE:HD13	1.61	0.83
1:D:90:SER:HA	1:D:93:LYS:CD	2.08	0.83
1:E:277:ALA:CA	1:F:119:VAL:CA	2.22	0.83
1:E:491:PHE:HA	1:E:576:GLU:HG2	1.61	0.83
1:F:313:PRO:O	1:F:316:VAL:HG22	1.78	0.83
1:F:368:MET:HB3	1:F:390:TRP:CE2	2.13	0.83
1:F:559:THR:HG23	1:F:1037:UNK:N	1.94	0.83
1:G:92:ILE:HG12	1:G:96:GLN:HE22	1.42	0.83
1:G:192:VAL:HG11	1:G:251:LYS:HD3	1.60	0.83
1:G:476:LYS:HB2	1:G:527:TYR:CD1	2.13	0.83
1:H:193:LEU:CD2	1:H:221:ILE:HG22	2.08	0.83
1:H:256:PHE:CE2	1:H:262:ILE:HB	2.13	0.83
1:I:56:SER:HB3	1:I:128:LEU:HD22	1.61	0.83
1:I:281:THR:HG21	1:P:3:PHE:CZ	2.14	0.83
1:J:56:SER:CB	1:J:128:LEU:HD22	2.09	0.83
1:J:90:SER:HA	1:J:93:LYS:CD	2.08	0.83
1:J:441:ARG:O	1:J:444:VAL:HG12	1.79	0.83
1:J:476:LYS:HB2	1:J:527:TYR:CD1	2.13	0.83
1:J:480:HIS:HB3	1:J:530:ASP:O	1.79	0.83
1:J:561:LEU:HA	1:J:564:ILE:HD11	1.59	0.83
1:K:32:VAL:HA	1:K:45:ILE:HD13	1.61	0.83
1:K:123:TYR:CD1	1:K:304:TYR:HA	2.12	0.83
1:K:441:ARG:O	1:K:444:VAL:HG12	1.79	0.83
1:L:256:PHE:CE2	1:L:262:ILE:HB	2.13	0.83
1:L:329:GLU:O	1:L:332:ARG:HG2	1.79	0.83
1:M:2:ASP:N	1:M:70:GLU:HG3	1.94	0.83
1:M:69:GLN:HG2	1:M:71:GLU:H	1.42	0.83
1:M:119:VAL:C	1:N:277:ALA:CA	2.43	0.83
1:M:491:PHE:HA	1:M:576:GLU:HG2	1.61	0.83
1:N:3:PHE:CZ	1:O:281:THR:HG21	2.14	0.83
1:N:92:ILE:HG12	1:N:96:GLN:HE22	1.42	0.83
1:N:251:LYS:HA	1:N:254:ASN:OD1	1.78	0.83
1:O:92:ILE:HG12	1:O:96:GLN:HE22	1.42	0.83
1:O:192:VAL:HG11	1:O:251:LYS:HD3	1.60	0.83
1:O:476:LYS:HB2	1:O:527:TYR:CD1	2.13	0.83
1:P:95:GLU:HG2	1:P:96:GLN:OE1	1.78	0.83
1:A:119:VAL:C	1:H:277:ALA:CA	2.43	0.82
1:A:326:ILE:HG21	1:A:349:LEU:HD11	1.60	0.82
1:A:443:ILE:HG13	1:A:478:ILE:HG22	1.61	0.82
1:A:559:THR:HG23	1:A:1037:UNK:N	1.94	0.82
1:B:256:PHE:CE2	1:B:262:ILE:HB	2.13	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:281:THR:HG21	1:C:3:PHE:CZ	2.14	0.82
1:C:244:LEU:HD22	1:C:262:ILE:HD12	1.60	0.82
1:C:441:ARG:O	1:C:444:VAL:HG12	1.79	0.82
1:D:441:ARG:O	1:D:444:VAL:HG12	1.79	0.82
1:D:476:LYS:HB2	1:D:527:TYR:CD1	2.13	0.82
1:E:56:SER:HB3	1:E:128:LEU:HD22	1.61	0.82
1:E:141:LEU:HD11	1:F:3:PHE:CZ	2.13	0.82
1:E:251:LYS:HA	1:E:254:ASN:OD1	1.78	0.82
1:E:495:ARG:HE	1:E:561:LEU:HD12	1.42	0.82
1:G:281:THR:HG21	1:H:3:PHE:CZ	2.14	0.82
1:I:491:PHE:HA	1:I:576:GLU:HG2	1.61	0.82
1:L:301:LEU:HD11	1:L:305:LEU:HD11	1.61	0.82
1:L:559:THR:HA	1:L:1036:UNK:O	1.79	0.82
1:M:92:ILE:HG12	1:M:96:GLN:HE22	1.42	0.82
1:N:193:LEU:CD2	1:N:221:ILE:HG22	2.08	0.82
1:N:443:ILE:HG13	1:N:478:ILE:HG22	1.61	0.82
1:N:491:PHE:HA	1:N:576:GLU:HG2	1.61	0.82
1:O:3:PHE:CZ	1:P:141:LEU:HD11	2.13	0.82
1:O:90:SER:HA	1:O:93:LYS:CD	2.08	0.82
1:O:121:ALA:HA	1:O:304:TYR:OH	1.78	0.82
1:P:559:THR:HG23	1:P:1037:UNK:N	1.94	0.82
1:A:2:ASP:N	1:A:70:GLU:HG3	1.94	0.82
1:A:309:PRO:HA	1:A:312:LEU:CD1	2.09	0.82
1:A:395:LYS:O	1:A:398:VAL:HG22	1.79	0.82
1:B:301:LEU:HD11	1:B:305:LEU:HD11	1.61	0.82
1:B:382:PRO:HD2	1:B:466:TYR:HB2	1.60	0.82
1:D:416:LYS:HE3	1:D:417:GLU:OE1	1.80	0.82
1:E:11:GLN:HA	1:E:169:LYS:HD3	1.62	0.82
1:F:141:LEU:HD11	1:G:3:PHE:CZ	2.13	0.82
1:G:11:GLN:HA	1:G:169:LYS:HD3	1.62	0.82
1:G:90:SER:HA	1:G:93:LYS:CD	2.08	0.82
1:G:441:ARG:O	1:G:444:VAL:HG12	1.79	0.82
1:H:69:GLN:HG2	1:H:71:GLU:H	1.42	0.82
1:H:386:LEU:CD2	1:H:420:ILE:HD11	2.09	0.82
1:H:443:ILE:HG13	1:H:478:ILE:HG22	1.61	0.82
1:I:11:GLN:HA	1:I:169:LYS:HD3	1.62	0.82
1:I:441:ARG:O	1:I:444:VAL:HG12	1.79	0.82
1:J:395:LYS:O	1:J:398:VAL:HG22	1.79	0.82
1:J:416:LYS:HE3	1:J:417:GLU:OE1	1.80	0.82
1:K:56:SER:CB	1:K:128:LEU:HD22	2.09	0.82
1:K:244:LEU:HD22	1:K:262:ILE:HD12	1.60	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:541:ALA:HB1	1:L:571:GLU:CD	1.99	0.82
1:M:335:LEU:HB2	1:M:339:ASP:OD1	1.77	0.82
1:M:443:ILE:HG13	1:M:478:ILE:HG22	1.61	0.82
1:M:562:LEU:H	1:M:562:LEU:HD22	1.43	0.82
1:N:69:GLN:HG2	1:N:71:GLU:H	1.42	0.82
1:N:386:LEU:CD2	1:N:420:ILE:HD11	2.09	0.82
1:O:11:GLN:HA	1:O:169:LYS:HD3	1.62	0.82
1:P:313:PRO:O	1:P:316:VAL:HG22	1.78	0.82
1:A:329:GLU:O	1:A:332:ARG:HG2	1.79	0.82
1:A:384:ILE:HG21	1:A:463:LEU:HD22	1.59	0.82
1:A:483:ARG:HD3	1:A:531:ASN:HD21	1.43	0.82
1:A:562:LEU:H	1:A:562:LEU:HD22	1.43	0.82
1:B:396:SER:HA	1:B:399:MET:HG2	1.61	0.82
1:B:443:ILE:HG13	1:B:478:ILE:HG22	1.61	0.82
1:C:90:SER:HA	1:C:93:LYS:CD	2.08	0.82
1:C:222:HIS:HA	1:C:225:GLN:HE22	1.43	0.82
1:D:278:ALA:HA	1:E:119:VAL:CG2	2.08	0.82
1:D:395:LYS:O	1:D:398:VAL:HG22	1.79	0.82
1:D:561:LEU:HA	1:D:564:ILE:HD11	1.59	0.82
1:E:441:ARG:O	1:E:444:VAL:HG12	1.79	0.82
1:F:146:ASN:CG	1:F:275:LEU:HD11	2.00	0.82
1:F:356:SER:O	1:F:359:VAL:HG12	1.79	0.82
1:G:141:LEU:HD11	1:H:3:PHE:CZ	2.13	0.82
1:G:562:LEU:HD22	1:G:562:LEU:H	1.43	0.82
1:H:68:LYS:HB2	1:H:72:MET:SD	2.18	0.82
1:H:368:MET:HB3	1:H:390:TRP:CE2	2.13	0.82
1:I:559:THR:HG23	1:I:1037:UNK:N	1.94	0.82
1:J:251:LYS:HA	1:J:254:ASN:OD1	1.78	0.82
1:J:256:PHE:CE2	1:J:262:ILE:HB	2.13	0.82
1:K:3:PHE:CZ	1:L:281:THR:HG21	2.14	0.82
1:K:313:PRO:O	1:K:316:VAL:HG22	1.77	0.82
1:K:480:HIS:HB3	1:K:530:ASP:O	1.79	0.82
1:L:382:PRO:HD2	1:L:466:TYR:HB2	1.60	0.82
1:L:562:LEU:HD22	1:L:562:LEU:H	1.43	0.82
1:M:56:SER:CB	1:M:128:LEU:HD22	2.09	0.82
1:M:90:SER:HA	1:M:93:LYS:CD	2.08	0.82
1:M:309:PRO:HA	1:M:312:LEU:CD1	2.09	0.82
1:M:329:GLU:O	1:M:332:ARG:HG2	1.79	0.82
1:M:395:LYS:O	1:M:398:VAL:HG22	1.79	0.82
1:N:119:VAL:CG2	1:O:278:ALA:HA	2.08	0.82
1:N:135:ARG:HG2	1:N:136:GLN:N	1.94	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:559:THR:HG23	1:N:1037:UNK:N	1.94	0.82
1:O:441:ARG:O	1:O:444:VAL:HG12	1.79	0.82
1:O:562:LEU:HD22	1:O:562:LEU:H	1.43	0.82
1:P:146:ASN:CG	1:P:275:LEU:HD11	2.00	0.82
1:A:56:SER:CB	1:A:128:LEU:HD22	2.08	0.82
1:A:90:SER:HA	1:A:93:LYS:CD	2.08	0.82
1:A:362:PRO:O	1:A:366:ARG:HB3	1.80	0.82
1:B:541:ALA:HB1	1:B:571:GLU:CD	1.99	0.82
1:C:56:SER:CB	1:C:128:LEU:HD22	2.08	0.82
1:C:480:HIS:HB3	1:C:530:ASP:O	1.79	0.82
1:C:539:VAL:O	1:C:542:ILE:HG13	1.80	0.82
1:D:356:SER:O	1:D:359:VAL:HG12	1.79	0.82
1:E:497:LEU:HD23	1:E:500:LYS:HD3	1.59	0.82
1:E:559:THR:HG23	1:E:1037:UNK:N	1.94	0.82
1:F:329:GLU:O	1:F:332:ARG:HG2	1.79	0.82
1:F:480:HIS:HB3	1:F:530:ASP:O	1.79	0.82
1:F:483:ARG:HD3	1:F:531:ASN:HD21	1.43	0.82
1:G:35:MET:HG2	1:G:40:LEU:CD2	2.08	0.82
1:G:278:ALA:HA	1:H:119:VAL:CG2	2.08	0.82
1:H:135:ARG:HG2	1:H:136:GLN:N	1.94	0.82
1:H:362:PRO:O	1:H:366:ARG:HB3	1.80	0.82
1:H:559:THR:HG23	1:H:1037:UNK:N	1.94	0.82
1:I:119:VAL:CG2	1:J:278:ALA:HA	2.08	0.82
1:I:396:SER:HA	1:I:399:MET:HG2	1.61	0.82
1:I:480:HIS:HB3	1:I:530:ASP:O	1.79	0.82
1:K:90:SER:HA	1:K:93:LYS:CD	2.08	0.82
1:K:539:VAL:O	1:K:542:ILE:HG13	1.80	0.82
1:L:395:LYS:O	1:L:398:VAL:HG22	1.79	0.82
1:L:396:SER:HA	1:L:399:MET:HG2	1.61	0.82
1:L:443:ILE:HG13	1:L:478:ILE:HG22	1.61	0.82
1:M:123:TYR:CD1	1:M:304:TYR:HA	2.12	0.82
1:M:362:PRO:O	1:M:366:ARG:HB3	1.80	0.82
1:N:68:LYS:HB2	1:N:72:MET:SD	2.18	0.82
1:N:362:PRO:O	1:N:366:ARG:HB3	1.80	0.82
1:P:329:GLU:O	1:P:332:ARG:HG2	1.79	0.82
1:P:356:SER:O	1:P:359:VAL:HG12	1.79	0.82
1:P:480:HIS:HB3	1:P:530:ASP:O	1.79	0.82
1:B:32:VAL:HA	1:B:45:ILE:HD13	1.61	0.82
1:B:362:PRO:O	1:B:366:ARG:HB3	1.80	0.82
1:B:416:LYS:HE3	1:B:417:GLU:OE1	1.80	0.82
1:B:562:LEU:H	1:B:562:LEU:HD22	1.43	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:313:PRO:O	1:C:316:VAL:HG22	1.77	0.82
1:D:32:VAL:HA	1:D:45:ILE:HD13	1.61	0.82
1:D:251:LYS:HA	1:D:254:ASN:OD1	1.78	0.82
1:D:256:PHE:CE2	1:D:262:ILE:HB	2.13	0.82
1:E:480:HIS:HB3	1:E:530:ASP:O	1.79	0.82
1:I:95:GLU:HG2	1:I:96:GLN:OE1	1.78	0.82
1:I:135:ARG:HG2	1:I:136:GLN:N	1.94	0.82
1:I:497:LEU:HD23	1:I:500:LYS:HD3	1.59	0.82
1:J:3:PHE:CZ	1:K:281:THR:HG21	2.14	0.82
1:J:32:VAL:HA	1:J:45:ILE:HD13	1.61	0.82
1:J:356:SER:O	1:J:359:VAL:HG12	1.79	0.82
1:K:121:ALA:HA	1:K:304:TYR:OH	1.78	0.82
1:K:222:HIS:HA	1:K:225:GLN:HE22	1.43	0.82
1:K:559:THR:HA	1:K:1036:UNK:O	1.79	0.82
1:L:362:PRO:O	1:L:366:ARG:HB3	1.80	0.82
1:L:416:LYS:HE3	1:L:417:GLU:OE1	1.80	0.82
1:L:495:ARG:HE	1:L:561:LEU:HD12	1.42	0.82
1:M:68:LYS:HB2	1:M:72:MET:SD	2.18	0.82
1:M:483:ARG:HD3	1:M:531:ASN:HD21	1.43	0.82
1:N:3:PHE:CZ	1:O:141:LEU:HD11	2.13	0.82
1:N:368:MET:HB3	1:N:390:TRP:CE2	2.13	0.82
1:O:35:MET:HG2	1:O:40:LEU:CD2	2.08	0.82
1:O:329:GLU:O	1:O:332:ARG:HG2	1.79	0.82
1:P:483:ARG:HD3	1:P:531:ASN:HD21	1.43	0.82
1:A:11:GLN:HA	1:A:169:LYS:HD3	1.62	0.82
1:A:68:LYS:HB2	1:A:72:MET:SD	2.18	0.82
1:A:95:GLU:HG2	1:A:96:GLN:OE1	1.78	0.82
1:B:157:LYS:HA	1:B:287:HIS:NE2	1.95	0.82
1:B:395:LYS:O	1:B:398:VAL:HG22	1.79	0.82
1:B:495:ARG:HE	1:B:561:LEU:HD12	1.42	0.82
1:C:146:ASN:CG	1:C:275:LEU:HD11	2.00	0.82
1:C:281:THR:HG21	1:D:3:PHE:CZ	2.14	0.82
1:C:301:LEU:HD11	1:C:305:LEU:HD11	1.61	0.82
1:C:362:PRO:O	1:C:366:ARG:HB3	1.80	0.82
1:C:395:LYS:O	1:C:398:VAL:HG22	1.79	0.82
1:C:416:LYS:HE3	1:C:417:GLU:OE1	1.80	0.82
1:C:559:THR:HA	1:C:1036:UNK:O	1.79	0.82
1:D:157:LYS:HA	1:D:287:HIS:NE2	1.95	0.82
1:E:95:GLU:HG2	1:E:96:GLN:OE1	1.78	0.82
1:E:135:ARG:HG2	1:E:136:GLN:N	1.94	0.82
1:E:396:SER:HA	1:E:399:MET:HG2	1.61	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:559:THR:HG23	1:E:1036:UNK:C	2.10	0.82
1:F:278:ALA:HA	1:G:119:VAL:CG2	2.08	0.82
1:F:559:THR:HA	1:F:1036:UNK:O	1.79	0.82
1:G:329:GLU:O	1:G:332:ARG:HG2	1.79	0.82
1:G:372:LEU:HD23	1:G:373:SER:N	1.95	0.82
1:G:541:ALA:HB1	1:G:571:GLU:CD	1.99	0.82
1:I:146:ASN:CG	1:I:275:LEU:HD11	2.00	0.82
1:I:559:THR:HG23	1:I:1036:UNK:C	2.10	0.82
1:J:384:ILE:HG21	1:J:463:LEU:HD22	1.59	0.82
1:K:301:LEU:HD11	1:K:305:LEU:HD11	1.61	0.82
1:K:362:PRO:O	1:K:366:ARG:HB3	1.80	0.82
1:K:416:LYS:HE3	1:K:417:GLU:OE1	1.80	0.82
1:L:32:VAL:HA	1:L:45:ILE:HD13	1.61	0.82
1:L:138:LEU:HD12	1:L:263:LEU:HD21	1.58	0.82
1:L:146:ASN:CG	1:L:275:LEU:HD11	2.00	0.82
1:O:3:PHE:CZ	1:P:281:THR:HG21	2.14	0.82
1:O:372:LEU:HD23	1:O:373:SER:N	1.95	0.82
1:A:123:TYR:CD1	1:A:304:TYR:HA	2.12	0.82
1:B:90:SER:HA	1:B:93:LYS:CD	2.08	0.82
1:B:121:ALA:HA	1:B:304:TYR:OH	1.78	0.82
1:B:146:ASN:CG	1:B:275:LEU:HD11	2.00	0.82
1:B:539:VAL:O	1:B:542:ILE:HG13	1.80	0.82
1:C:2:ASP:N	1:C:70:GLU:HG3	1.94	0.82
1:D:559:THR:HG23	1:D:1036:UNK:C	2.10	0.82
1:E:90:SER:HA	1:E:93:LYS:CD	2.08	0.82
1:E:146:ASN:CG	1:E:275:LEU:HD11	2.00	0.82
1:E:562:LEU:H	1:E:562:LEU:HD22	1.43	0.82
1:F:371:ARG:HB3	1:F:389:ILE:HG23	1.62	0.82
1:F:386:LEU:CD2	1:F:420:ILE:HD11	2.09	0.82
1:F:476:LYS:HB2	1:F:527:TYR:CD1	2.13	0.82
1:G:142:ARG:HB2	1:G:143:PRO:HD3	1.62	0.82
1:G:146:ASN:CG	1:G:275:LEU:HD11	2.00	0.82
1:H:441:ARG:O	1:H:444:VAL:HG12	1.79	0.82
1:H:480:HIS:HB3	1:H:530:ASP:O	1.79	0.82
1:I:90:SER:HA	1:I:93:LYS:CD	2.08	0.82
1:I:329:GLU:O	1:I:332:ARG:HG2	1.79	0.82
1:J:157:LYS:HA	1:J:287:HIS:NE2	1.95	0.82
1:J:362:PRO:O	1:J:366:ARG:HB3	1.80	0.82
1:J:559:THR:HG23	1:J:1036:UNK:C	2.10	0.82
1:K:146:ASN:CG	1:K:275:LEU:HD11	2.00	0.82
1:K:371:ARG:HB3	1:K:389:ILE:HG23	1.62	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:395:LYS:O	1:K:398:VAL:HG22	1.79	0.82
1:L:90:SER:HA	1:L:93:LYS:CD	2.08	0.82
1:L:157:LYS:HA	1:L:287:HIS:NE2	1.95	0.82
1:L:372:LEU:HD23	1:L:373:SER:N	1.95	0.82
1:L:539:VAL:O	1:L:542:ILE:HG13	1.80	0.82
1:M:11:GLN:HA	1:M:169:LYS:HD3	1.62	0.82
1:M:192:VAL:HG11	1:M:251:LYS:HD3	1.60	0.82
1:M:384:ILE:HG21	1:M:463:LEU:HD22	1.59	0.82
1:N:95:GLU:HG2	1:N:96:GLN:OE1	1.78	0.82
1:N:119:VAL:C	1:O:277:ALA:CA	2.43	0.82
1:N:372:LEU:HD23	1:N:373:SER:N	1.95	0.82
1:O:119:VAL:CG2	1:P:278:ALA:HA	2.08	0.82
1:O:443:ILE:HG13	1:O:478:ILE:HG22	1.61	0.82
1:P:371:ARG:HB3	1:P:389:ILE:HG23	1.62	0.82
1:B:372:LEU:HD23	1:B:373:SER:N	1.95	0.82
1:C:121:ALA:HA	1:C:304:TYR:OH	1.78	0.82
1:C:329:GLU:O	1:C:332:ARG:HG2	1.79	0.82
1:C:371:ARG:HB3	1:C:389:ILE:HG23	1.62	0.82
1:D:362:PRO:O	1:D:366:ARG:HB3	1.80	0.82
1:D:509:ASN:HA	1:D:648:UNK:CB	2.10	0.82
1:E:142:ARG:HB2	1:E:143:PRO:HD3	1.62	0.82
1:E:476:LYS:HB2	1:E:527:TYR:CD1	2.13	0.82
1:E:559:THR:HA	1:E:1036:UNK:O	1.79	0.82
1:F:281:THR:HG21	1:G:3:PHE:CZ	2.14	0.82
1:G:135:ARG:HG2	1:G:136:GLN:N	1.94	0.82
1:G:277:ALA:CA	1:H:119:VAL:C	2.43	0.82
1:H:2:ASP:N	1:H:70:GLU:HG3	1.94	0.82
1:H:95:GLU:HG2	1:H:96:GLN:OE1	1.78	0.82
1:H:372:LEU:HD23	1:H:373:SER:N	1.95	0.82
1:I:197:GLN:HE22	1:J:219:LEU:HD11	1.01	0.82
1:I:476:LYS:HB2	1:I:527:TYR:CD1	2.13	0.82
1:J:76:PHE:O	1:J:79:GLU:HG3	1.78	0.82
1:J:244:LEU:HD22	1:J:262:ILE:HD12	1.60	0.82
1:J:509:ASN:HA	1:J:648:UNK:CB	2.10	0.82
1:K:2:ASP:N	1:K:70:GLU:HG3	1.94	0.82
1:L:390:TRP:CZ3	1:L:402:VAL:HG12	2.15	0.82
1:M:95:GLU:HG2	1:M:96:GLN:OE1	1.78	0.82
1:M:301:LEU:HD11	1:M:305:LEU:HD11	1.61	0.82
1:N:40:LEU:HD22	1:N:48:ILE:CD1	2.10	0.82
1:N:192:VAL:HG11	1:N:251:LYS:HD3	1.60	0.82
1:N:441:ARG:O	1:N:444:VAL:HG12	1.79	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:480:HIS:HB3	1:N:530:ASP:O	1.79	0.82
1:O:2:ASP:N	1:O:70:GLU:HG3	1.94	0.82
1:O:142:ARG:HB2	1:O:143:PRO:HD3	1.62	0.82
1:O:146:ASN:CG	1:O:275:LEU:HD11	2.00	0.82
1:O:390:TRP:CZ3	1:O:402:VAL:HG12	2.15	0.82
1:P:386:LEU:CD2	1:P:420:ILE:HD11	2.09	0.82
1:P:390:TRP:CZ3	1:P:402:VAL:HG12	2.15	0.82
1:P:476:LYS:HB2	1:P:527:TYR:CD1	2.13	0.82
1:P:559:THR:HA	1:P:1036:UNK:O	1.79	0.82
1:A:146:ASN:CG	1:A:275:LEU:HD11	2.00	0.82
1:A:192:VAL:HG11	1:A:251:LYS:HD3	1.60	0.82
1:A:386:LEU:CD2	1:A:420:ILE:HD11	2.10	0.82
1:A:416:LYS:HE3	1:A:417:GLU:OE1	1.80	0.82
1:A:441:ARG:O	1:A:444:VAL:HG12	1.79	0.82
1:B:138:LEU:HD12	1:B:263:LEU:HD21	1.58	0.82
1:B:390:TRP:CZ3	1:B:402:VAL:HG12	2.15	0.82
1:B:491:PHE:HA	1:B:576:GLU:HG2	1.61	0.82
1:C:135:ARG:HG2	1:C:136:GLN:N	1.94	0.82
1:C:509:ASN:HA	1:C:648:UNK:CB	2.10	0.82
1:D:76:PHE:O	1:D:79:GLU:HG3	1.78	0.82
1:D:244:LEU:HD22	1:D:262:ILE:HD12	1.60	0.82
1:D:384:ILE:HG21	1:D:463:LEU:HD22	1.59	0.82
1:D:539:VAL:O	1:D:542:ILE:HG13	1.80	0.82
1:D:559:THR:HG23	1:D:1037:UNK:N	1.94	0.82
1:E:329:GLU:O	1:E:332:ARG:HG2	1.79	0.82
1:E:443:ILE:HG13	1:E:478:ILE:HG22	1.61	0.82
1:F:157:LYS:HA	1:F:287:HIS:NE2	1.95	0.82
1:F:390:TRP:CZ3	1:F:402:VAL:HG12	2.15	0.82
1:G:2:ASP:N	1:G:70:GLU:HG3	1.94	0.82
1:G:390:TRP:CZ3	1:G:402:VAL:HG12	2.15	0.82
1:G:416:LYS:HE3	1:G:417:GLU:OE1	1.80	0.82
1:G:443:ILE:HG13	1:G:478:ILE:HG22	1.61	0.82
1:H:40:LEU:HD22	1:H:48:ILE:CD1	2.10	0.82
1:H:192:VAL:HG11	1:H:251:LYS:HD3	1.60	0.82
1:I:142:ARG:HB2	1:I:143:PRO:HD3	1.62	0.82
1:I:416:LYS:HE3	1:I:417:GLU:OE1	1.80	0.82
1:I:562:LEU:H	1:I:562:LEU:HD22	1.43	0.82
1:J:193:LEU:HD21	1:J:221:ILE:HG22	1.61	0.82
1:J:539:VAL:O	1:J:542:ILE:HG13	1.80	0.82
1:K:396:SER:HA	1:K:399:MET:HG2	1.61	0.82
1:L:491:PHE:HA	1:L:576:GLU:HG2	1.61	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:146:ASN:CG	1:M:275:LEU:HD11	2.00	0.82
1:M:416:LYS:HE3	1:M:417:GLU:OE1	1.80	0.82
1:N:356:SER:O	1:N:359:VAL:HG12	1.79	0.82
1:N:395:LYS:O	1:N:398:VAL:HG22	1.79	0.82
1:N:539:VAL:O	1:N:542:ILE:HG13	1.80	0.82
1:N:562:LEU:H	1:N:562:LEU:HD22	1.43	0.82
1:O:135:ARG:HG2	1:O:136:GLN:N	1.94	0.82
1:O:193:LEU:CD2	1:O:221:ILE:HG22	2.08	0.82
1:O:416:LYS:HE3	1:O:417:GLU:OE1	1.80	0.82
1:O:483:ARG:HD3	1:O:531:ASN:HD21	1.43	0.82
1:O:541:ALA:HB1	1:O:571:GLU:CD	1.99	0.82
1:P:157:LYS:HA	1:P:287:HIS:NE2	1.95	0.82
1:P:222:HIS:HA	1:P:225:GLN:HE22	1.43	0.82
1:A:28:ASP:HA	1:A:31:ASP:HB2	1.62	0.82
1:A:40:LEU:HD22	1:A:48:ILE:CD1	2.10	0.82
1:A:123:TYR:CG	1:A:303:LYS:HB3	2.15	0.82
1:A:301:LEU:HD11	1:A:305:LEU:HD11	1.61	0.82
1:B:371:ARG:HB3	1:B:389:ILE:HG23	1.62	0.82
1:B:480:HIS:HB3	1:B:530:ASP:O	1.79	0.82
1:C:278:ALA:HA	1:D:119:VAL:CG2	2.08	0.82
1:C:495:ARG:HE	1:C:561:LEU:HD12	1.42	0.82
1:D:193:LEU:HD21	1:D:221:ILE:HG22	1.61	0.82
1:E:2:ASP:N	1:E:70:GLU:HG3	1.94	0.82
1:E:56:SER:CB	1:E:128:LEU:HD22	2.08	0.82
1:E:416:LYS:HE3	1:E:417:GLU:OE1	1.80	0.82
1:F:76:PHE:O	1:F:79:GLU:HG3	1.78	0.82
1:F:441:ARG:O	1:F:444:VAL:HG12	1.79	0.82
1:G:309:PRO:HA	1:G:312:LEU:CD1	2.09	0.82
1:G:395:LYS:O	1:G:398:VAL:HG22	1.79	0.82
1:G:480:HIS:HB3	1:G:530:ASP:O	1.79	0.82
1:G:483:ARG:HD3	1:G:531:ASN:HD21	1.43	0.82
1:H:123:TYR:CG	1:H:303:LYS:HB3	2.15	0.82
1:H:356:SER:O	1:H:359:VAL:HG12	1.79	0.82
1:H:539:VAL:O	1:H:542:ILE:HG13	1.80	0.82
1:H:562:LEU:HD22	1:H:562:LEU:H	1.43	0.82
1:H:578:HIS:O	1:H:581:VAL:HG13	1.80	0.82
1:I:56:SER:CB	1:I:128:LEU:HD22	2.08	0.82
1:I:443:ILE:HG13	1:I:478:ILE:HG22	1.61	0.82
1:J:119:VAL:CG2	1:K:278:ALA:HA	2.08	0.82
1:J:371:ARG:HB3	1:J:389:ILE:HG23	1.62	0.82
1:J:559:THR:HG23	1:J:1037:UNK:N	1.94	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:135:ARG:HG2	1:K:136:GLN:N	1.94	0.82
1:K:329:GLU:O	1:K:332:ARG:HG2	1.79	0.82
1:K:495:ARG:HE	1:K:561:LEU:HD12	1.42	0.82
1:K:509:ASN:HA	1:K:648:UNK:CB	2.10	0.82
1:L:121:ALA:HA	1:L:304:TYR:OH	1.78	0.82
1:L:371:ARG:HB3	1:L:389:ILE:HG23	1.62	0.82
1:L:578:HIS:O	1:L:581:VAL:HG13	1.80	0.82
1:M:32:VAL:HA	1:M:45:ILE:HD13	1.61	0.82
1:M:40:LEU:HD22	1:M:48:ILE:CD1	2.10	0.82
1:M:386:LEU:CD2	1:M:420:ILE:HD11	2.09	0.82
1:M:578:HIS:O	1:M:581:VAL:HG13	1.80	0.82
1:N:2:ASP:N	1:N:70:GLU:HG3	1.94	0.82
1:N:578:HIS:O	1:N:581:VAL:HG13	1.80	0.82
1:O:40:LEU:HD22	1:O:48:ILE:CD1	2.10	0.82
1:P:35:MET:HG2	1:P:40:LEU:CD2	2.08	0.82
1:A:578:HIS:O	1:A:581:VAL:HG13	1.80	0.81
1:C:123:TYR:CG	1:C:303:LYS:HB3	2.15	0.81
1:C:390:TRP:CZ3	1:C:402:VAL:HG12	2.15	0.81
1:C:396:SER:HA	1:C:399:MET:HG2	1.61	0.81
1:D:28:ASP:HA	1:D:31:ASP:HB2	1.62	0.81
1:D:219:LEU:HD11	1:E:197:GLN:HE22	1.01	0.81
1:D:371:ARG:HB3	1:D:389:ILE:HG23	1.62	0.81
1:E:76:PHE:O	1:E:79:GLU:HG3	1.78	0.81
1:F:35:MET:HG2	1:F:40:LEU:CD2	2.08	0.81
1:F:222:HIS:HA	1:F:225:GLN:HE22	1.43	0.81
1:G:40:LEU:HD22	1:G:48:ILE:CD1	2.10	0.81
1:G:193:LEU:CD2	1:G:221:ILE:HG22	2.08	0.81
1:G:539:VAL:O	1:G:542:ILE:HG13	1.80	0.81
1:G:559:THR:HG23	1:G:1036:UNK:C	2.10	0.81
1:H:395:LYS:O	1:H:398:VAL:HG22	1.79	0.81
1:I:559:THR:HA	1:I:1036:UNK:O	1.79	0.81
1:J:28:ASP:HA	1:J:31:ASP:HB2	1.62	0.81
1:J:443:ILE:HG13	1:J:478:ILE:HG22	1.61	0.81
1:K:123:TYR:CG	1:K:303:LYS:HB3	2.15	0.81
1:K:372:LEU:HD23	1:K:373:SER:N	1.95	0.81
1:K:390:TRP:CZ3	1:K:402:VAL:HG12	2.15	0.81
1:L:28:ASP:HA	1:L:31:ASP:HB2	1.62	0.81
1:L:386:LEU:CD2	1:L:420:ILE:HD11	2.09	0.81
1:M:28:ASP:HA	1:M:31:ASP:HB2	1.62	0.81
1:M:123:TYR:CG	1:M:303:LYS:HB3	2.15	0.81
1:M:441:ARG:O	1:M:444:VAL:HG12	1.79	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:123:TYR:CG	1:N:303:LYS:HB3	2.15	0.81
1:O:371:ARG:HB3	1:O:389:ILE:HG23	1.62	0.81
1:O:395:LYS:O	1:O:398:VAL:HG22	1.79	0.81
1:O:396:SER:HA	1:O:399:MET:HG2	1.61	0.81
1:O:480:HIS:HB3	1:O:530:ASP:O	1.79	0.81
1:O:559:THR:HG23	1:O:1036:UNK:C	2.10	0.81
1:P:76:PHE:O	1:P:79:GLU:HG3	1.78	0.81
1:P:441:ARG:O	1:P:444:VAL:HG12	1.79	0.81
1:P:539:VAL:O	1:P:542:ILE:HG13	1.80	0.81
1:P:559:THR:HG23	1:P:1036:UNK:C	2.10	0.81
1:A:32:VAL:HA	1:A:45:ILE:HD13	1.61	0.81
1:A:222:HIS:HA	1:A:225:GLN:HE22	1.43	0.81
1:B:28:ASP:HA	1:B:31:ASP:HB2	1.62	0.81
1:B:207:TRP:O	1:B:210:ARG:HG2	1.80	0.81
1:B:222:HIS:HA	1:B:225:GLN:HE22	1.43	0.81
1:B:386:LEU:CD2	1:B:420:ILE:HD11	2.09	0.81
1:B:484:MET:HA	1:B:489:MET:CE	2.10	0.81
1:B:561:LEU:HA	1:B:564:ILE:HD11	1.59	0.81
1:B:578:HIS:O	1:B:581:VAL:HG13	1.80	0.81
1:C:11:GLN:HA	1:C:169:LYS:HD3	1.62	0.81
1:C:28:ASP:HA	1:C:31:ASP:HB2	1.62	0.81
1:C:157:LYS:HA	1:C:287:HIS:NE2	1.95	0.81
1:C:372:LEU:HD23	1:C:373:SER:N	1.95	0.81
1:D:443:ILE:HG13	1:D:478:ILE:HG22	1.61	0.81
1:E:371:ARG:HB3	1:E:389:ILE:HG23	1.62	0.81
1:E:395:LYS:O	1:E:398:VAL:HG22	1.79	0.81
1:F:123:TYR:CG	1:F:303:LYS:HB3	2.15	0.81
1:F:539:VAL:O	1:F:542:ILE:HG13	1.80	0.81
1:F:559:THR:HG23	1:F:1036:UNK:C	2.10	0.81
1:G:362:PRO:O	1:G:366:ARG:HB3	1.80	0.81
1:G:371:ARG:HB3	1:G:389:ILE:HG23	1.62	0.81
1:G:578:HIS:O	1:G:581:VAL:HG13	1.80	0.81
1:H:123:TYR:CD1	1:H:304:TYR:HA	2.12	0.81
1:I:2:ASP:N	1:I:70:GLU:HG3	1.94	0.81
1:I:35:MET:HG2	1:I:40:LEU:CD2	2.08	0.81
1:I:390:TRP:CZ3	1:I:402:VAL:HG12	2.15	0.81
1:K:11:GLN:HA	1:K:169:LYS:HD3	1.62	0.81
1:K:562:LEU:HD22	1:K:562:LEU:H	1.43	0.81
1:L:480:HIS:HB3	1:L:530:ASP:O	1.79	0.81
1:N:390:TRP:CZ3	1:N:402:VAL:HG12	2.15	0.81
1:O:76:PHE:O	1:O:79:GLU:HG3	1.78	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:309:PRO:HA	1:O:312:LEU:CD1	2.09	0.81
1:O:356:SER:O	1:O:359:VAL:HG12	1.79	0.81
1:P:123:TYR:CG	1:P:303:LYS:HB3	2.15	0.81
1:P:372:LEU:HD23	1:P:373:SER:N	1.95	0.81
1:A:484:MET:HA	1:A:489:MET:CE	2.10	0.81
1:B:106:TYR:CD1	1:B:169:LYS:HB2	2.15	0.81
1:B:219:LEU:HD11	1:C:197:GLN:HE22	1.01	0.81
1:C:484:MET:HA	1:C:489:MET:CE	2.10	0.81
1:D:106:TYR:CD1	1:D:169:LYS:HB2	2.15	0.81
1:D:372:LEU:HD23	1:D:373:SER:N	1.95	0.81
1:D:491:PHE:HA	1:D:576:GLU:HG2	1.61	0.81
1:E:35:MET:HG2	1:E:40:LEU:CD2	2.08	0.81
1:E:193:LEU:HD21	1:E:221:ILE:HG22	1.61	0.81
1:E:390:TRP:CZ3	1:E:402:VAL:HG12	2.15	0.81
1:E:509:ASN:HA	1:E:648:UNK:CB	2.10	0.81
1:E:539:VAL:O	1:E:542:ILE:HG13	1.80	0.81
1:F:40:LEU:HD22	1:F:48:ILE:CD1	2.10	0.81
1:F:241:LEU:CD1	1:F:261:LYS:HE2	2.11	0.81
1:F:372:LEU:HD23	1:F:373:SER:N	1.95	0.81
1:F:395:LYS:O	1:F:398:VAL:HG22	1.79	0.81
1:F:1068:UNK:HA	1:F:1072:UNK:CB	2.11	0.81
1:G:76:PHE:O	1:G:79:GLU:HG3	1.78	0.81
1:G:356:SER:O	1:G:359:VAL:HG12	1.79	0.81
1:G:396:SER:HA	1:G:399:MET:HG2	1.61	0.81
1:H:146:ASN:CG	1:H:275:LEU:HD11	2.00	0.81
1:H:390:TRP:CZ3	1:H:402:VAL:HG12	2.15	0.81
1:H:851:UNK:O	1:H:856:UNK:HA	1.80	0.81
1:I:76:PHE:O	1:I:79:GLU:HG3	1.78	0.81
1:I:280:THR:HG21	1:P:114:TYR:HE1	1.04	0.81
1:I:371:ARG:HB3	1:I:389:ILE:HG23	1.62	0.81
1:I:395:LYS:O	1:I:398:VAL:HG22	1.79	0.81
1:I:509:ASN:HA	1:I:648:UNK:CB	2.10	0.81
1:J:106:TYR:CD1	1:J:169:LYS:HB2	2.15	0.81
1:J:372:LEU:HD23	1:J:373:SER:N	1.95	0.81
1:J:491:PHE:HA	1:J:576:GLU:HG2	1.61	0.81
1:J:495:ARG:HE	1:J:561:LEU:HD12	1.42	0.81
1:K:28:ASP:HA	1:K:31:ASP:HB2	1.62	0.81
1:K:157:LYS:HA	1:K:287:HIS:NE2	1.95	0.81
1:K:484:MET:HA	1:K:489:MET:CE	2.10	0.81
1:L:106:TYR:CD1	1:L:169:LYS:HB2	2.15	0.81
1:L:207:TRP:O	1:L:210:ARG:HG2	1.80	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:222:HIS:HA	1:L:225:GLN:HE22	1.43	0.81
1:L:484:MET:HA	1:L:489:MET:CE	2.10	0.81
1:M:484:MET:HA	1:M:489:MET:CE	2.10	0.81
1:N:123:TYR:CD1	1:N:304:TYR:HA	2.12	0.81
1:N:329:GLU:O	1:N:332:ARG:HG2	1.79	0.81
1:N:559:THR:HA	1:N:1036:UNK:O	1.79	0.81
1:N:851:UNK:O	1:N:856:UNK:HA	1.80	0.81
1:O:244:LEU:HD22	1:O:262:ILE:HD12	1.60	0.81
1:O:362:PRO:O	1:O:366:ARG:HB3	1.80	0.81
1:O:539:VAL:O	1:O:542:ILE:HG13	1.80	0.81
1:O:559:THR:HG23	1:O:1037:UNK:N	1.94	0.81
1:O:578:HIS:O	1:O:581:VAL:HG13	1.80	0.81
1:P:40:LEU:HD22	1:P:48:ILE:CD1	2.10	0.81
1:P:241:LEU:CD1	1:P:261:LYS:HE2	2.11	0.81
1:P:395:LYS:O	1:P:398:VAL:HG22	1.79	0.81
1:P:1068:UNK:HA	1:P:1072:UNK:CB	2.11	0.81
1:A:142:ARG:HB2	1:A:143:PRO:HD3	1.62	0.81
1:B:851:UNK:O	1:B:856:UNK:HA	1.80	0.81
1:C:562:LEU:HD22	1:C:562:LEU:H	1.43	0.81
1:C:1068:UNK:HA	1:C:1072:UNK:CB	2.11	0.81
1:D:559:THR:HA	1:D:1036:UNK:O	1.79	0.81
1:E:157:LYS:HA	1:E:287:HIS:NE2	1.95	0.81
1:G:123:TYR:CG	1:G:303:LYS:HB3	2.15	0.81
1:G:157:LYS:HA	1:G:287:HIS:NE2	1.95	0.81
1:G:559:THR:HG23	1:G:1037:UNK:N	1.94	0.81
1:H:28:ASP:HA	1:H:31:ASP:HB2	1.62	0.81
1:H:193:LEU:HD21	1:H:221:ILE:HG22	1.61	0.81
1:H:329:GLU:O	1:H:332:ARG:HG2	1.79	0.81
1:I:193:LEU:HD21	1:I:221:ILE:HG22	1.61	0.81
1:I:539:VAL:O	1:I:542:ILE:HG13	1.80	0.81
1:K:197:GLN:HE22	1:L:219:LEU:HD11	1.01	0.81
1:K:1068:UNK:HA	1:K:1072:UNK:CB	2.11	0.81
1:L:561:LEU:HA	1:L:564:ILE:HD11	1.59	0.81
1:M:142:ARG:HB2	1:M:143:PRO:HD3	1.62	0.81
1:M:396:SER:HA	1:M:399:MET:HG2	1.61	0.81
1:N:146:ASN:CG	1:N:275:LEU:HD11	2.00	0.81
1:A:372:LEU:HD23	1:A:373:SER:N	1.95	0.81
1:B:509:ASN:HA	1:B:648:UNK:CB	2.10	0.81
1:C:241:LEU:CD1	1:C:261:LYS:HE2	2.11	0.81
1:C:483:ARG:HD3	1:C:531:ASN:HD21	1.43	0.81
1:D:495:ARG:HE	1:D:561:LEU:HD12	1.42	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1068:UNK:HA	1:D:1072:UNK:CB	2.11	0.81
1:E:106:TYR:CD1	1:E:169:LYS:HB2	2.15	0.81
1:H:157:LYS:HA	1:H:287:HIS:NE2	1.95	0.81
1:H:559:THR:HA	1:H:1036:UNK:O	1.79	0.81
1:I:157:LYS:HA	1:I:287:HIS:NE2	1.95	0.81
1:J:1068:UNK:HA	1:J:1072:UNK:CB	2.11	0.81
1:K:241:LEU:CD1	1:K:261:LYS:HE2	2.11	0.81
1:L:851:UNK:O	1:L:856:UNK:HA	1.80	0.81
1:M:135:ARG:HG2	1:M:136:GLN:N	1.94	0.81
1:M:222:HIS:HA	1:M:225:GLN:HE22	1.43	0.81
1:N:28:ASP:HA	1:N:31:ASP:HB2	1.62	0.81
1:N:193:LEU:HD21	1:N:221:ILE:HG22	1.61	0.81
1:N:416:LYS:HE3	1:N:417:GLU:OE1	1.80	0.81
1:O:157:LYS:HA	1:O:287:HIS:NE2	1.95	0.81
1:O:193:LEU:HD21	1:O:221:ILE:HG22	1.61	0.81
1:O:386:LEU:CD2	1:O:420:ILE:HD11	2.09	0.81
1:A:207:TRP:O	1:A:210:ARG:HG2	1.80	0.81
1:A:390:TRP:CZ3	1:A:402:VAL:HG12	2.15	0.81
1:A:396:SER:HA	1:A:399:MET:HG2	1.61	0.81
1:B:309:PRO:HA	1:B:312:LEU:CD1	2.09	0.81
1:B:375:PHE:CE2	1:B:389:ILE:HG13	2.16	0.81
1:D:329:GLU:O	1:D:332:ARG:HG2	1.79	0.81
1:D:390:TRP:CZ3	1:D:402:VAL:HG12	2.15	0.81
1:E:207:TRP:O	1:E:210:ARG:HG2	1.80	0.81
1:E:235:LYS:HE3	1:E:237:TYR:CE2	2.15	0.81
1:E:280:THR:HG21	1:F:114:TYR:HE1	1.04	0.81
1:F:375:PHE:CE2	1:F:389:ILE:HG13	2.16	0.81
1:G:193:LEU:HD21	1:G:221:ILE:HG22	1.61	0.81
1:G:244:LEU:HD22	1:G:262:ILE:HD12	1.60	0.81
1:H:235:LYS:HE3	1:H:237:TYR:CE2	2.15	0.81
1:I:106:TYR:CD1	1:I:169:LYS:HB2	2.15	0.81
1:I:235:LYS:HE3	1:I:237:TYR:CE2	2.15	0.81
1:I:362:PRO:O	1:I:366:ARG:HB3	1.80	0.81
1:J:329:GLU:O	1:J:332:ARG:HG2	1.79	0.81
1:J:559:THR:HA	1:J:1036:UNK:O	1.79	0.81
1:K:483:ARG:HD3	1:K:531:ASN:HD21	1.43	0.81
1:K:491:PHE:HA	1:K:576:GLU:HG2	1.61	0.81
1:L:375:PHE:CE2	1:L:389:ILE:HG13	2.16	0.81
1:M:157:LYS:HA	1:M:287:HIS:NE2	1.95	0.81
1:M:207:TRP:O	1:M:210:ARG:HG2	1.80	0.81
1:M:372:LEU:HD23	1:M:373:SER:N	1.95	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:390:TRP:CZ3	1:M:402:VAL:HG12	2.15	0.81
1:M:539:VAL:O	1:M:542:ILE:HG13	1.80	0.81
1:N:157:LYS:HA	1:N:287:HIS:NE2	1.95	0.81
1:N:235:LYS:HE3	1:N:237:TYR:CE2	2.15	0.81
1:N:371:ARG:HB3	1:N:389:ILE:HG23	1.62	0.81
1:A:135:ARG:HG2	1:A:136:GLN:N	1.94	0.81
1:A:539:VAL:O	1:A:542:ILE:HG13	1.80	0.81
1:B:193:LEU:HD21	1:B:221:ILE:HG22	1.61	0.81
1:C:106:TYR:CD1	1:C:169:LYS:HB2	2.15	0.81
1:C:491:PHE:HA	1:C:576:GLU:HG2	1.61	0.81
1:D:123:TYR:CG	1:D:303:LYS:HB3	2.15	0.81
1:D:386:LEU:CD2	1:D:420:ILE:HD11	2.09	0.81
1:D:484:MET:HA	1:D:489:MET:CE	2.10	0.81
1:D:851:UNK:O	1:D:856:UNK:HA	1.80	0.81
1:E:578:HIS:O	1:E:581:VAL:HG13	1.80	0.81
1:F:475:LEU:HA	1:F:478:ILE:HG12	1.63	0.81
1:H:416:LYS:HE3	1:H:417:GLU:OE1	1.80	0.81
1:I:207:TRP:O	1:I:210:ARG:HG2	1.80	0.81
1:I:483:ARG:HD3	1:I:531:ASN:HD21	1.43	0.81
1:I:578:HIS:O	1:I:581:VAL:HG13	1.80	0.81
1:J:386:LEU:CD2	1:J:420:ILE:HD11	2.09	0.81
1:J:390:TRP:CZ3	1:J:402:VAL:HG12	2.15	0.81
1:J:484:MET:HA	1:J:489:MET:CE	2.10	0.81
1:K:106:TYR:CD1	1:K:169:LYS:HB2	2.15	0.81
1:L:193:LEU:HD21	1:L:221:ILE:HG22	1.61	0.81
1:L:509:ASN:HA	1:L:648:UNK:CB	2.10	0.81
1:O:123:TYR:CG	1:O:303:LYS:HB3	2.15	0.81
1:P:106:TYR:CD1	1:P:169:LYS:HB2	2.15	0.81
1:P:375:PHE:CE2	1:P:389:ILE:HG13	2.16	0.81
1:P:475:LEU:HA	1:P:478:ILE:HG12	1.63	0.81
1:A:106:TYR:CD1	1:A:169:LYS:HB2	2.15	0.81
1:A:157:LYS:HA	1:A:287:HIS:NE2	1.95	0.81
1:A:222:HIS:HA	1:A:225:GLN:NE2	1.96	0.81
1:B:559:THR:HG23	1:B:1036:UNK:C	2.10	0.81
1:E:28:ASP:HA	1:E:31:ASP:HB2	1.62	0.81
1:E:362:PRO:O	1:E:366:ARG:HB3	1.80	0.81
1:F:106:TYR:CD1	1:F:169:LYS:HB2	2.15	0.81
1:F:222:HIS:HA	1:F:225:GLN:NE2	1.96	0.81
1:G:95:GLU:HG2	1:G:96:GLN:OE1	1.78	0.81
1:G:386:LEU:CD2	1:G:420:ILE:HD11	2.10	0.81
1:G:1068:UNK:HA	1:G:1072:UNK:CB	2.11	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:371:ARG:HB3	1:H:389:ILE:HG23	1.62	0.81
1:H:484:MET:HA	1:H:489:MET:CE	2.10	0.81
1:H:559:THR:HG23	1:H:1036:UNK:C	2.10	0.81
1:I:28:ASP:HA	1:I:31:ASP:HB2	1.62	0.81
1:I:241:LEU:CD1	1:I:261:LYS:HE2	2.11	0.81
1:I:356:SER:O	1:I:359:VAL:HG12	1.79	0.81
1:J:123:TYR:CG	1:J:303:LYS:HB3	2.15	0.81
1:K:559:THR:HG23	1:K:1036:UNK:C	2.10	0.81
1:L:241:LEU:CD1	1:L:261:LYS:HE2	2.11	0.81
1:L:309:PRO:HA	1:L:312:LEU:CD1	2.09	0.81
1:L:559:THR:HG23	1:L:1036:UNK:C	2.10	0.81
1:M:222:HIS:HA	1:M:225:GLN:NE2	1.96	0.81
1:M:241:LEU:CD1	1:M:261:LYS:HE2	2.11	0.81
1:N:241:LEU:CD1	1:N:261:LYS:HE2	2.11	0.81
1:N:559:THR:HG23	1:N:1036:UNK:C	2.10	0.81
1:O:32:VAL:HA	1:O:45:ILE:HD13	1.61	0.81
1:P:222:HIS:HA	1:P:225:GLN:NE2	1.96	0.81
1:A:193:LEU:HD21	1:A:221:ILE:HG22	1.61	0.81
1:A:241:LEU:CD1	1:A:261:LYS:HE2	2.11	0.81
1:B:135:ARG:HG2	1:B:136:GLN:N	1.94	0.81
1:B:241:LEU:CD1	1:B:261:LYS:HE2	2.11	0.81
1:C:19:PHE:CB	1:C:88:LEU:HD11	2.11	0.81
1:D:475:LEU:HA	1:D:478:ILE:HG12	1.63	0.81
1:E:24:VAL:HG23	1:E:27:PHE:CZ	2.16	0.81
1:E:241:LEU:CD1	1:E:261:LYS:HE2	2.11	0.81
1:E:483:ARG:HD3	1:E:531:ASN:HD21	1.43	0.81
1:E:851:UNK:O	1:E:856:UNK:HA	1.80	0.81
1:F:484:MET:HA	1:F:489:MET:CE	2.10	0.81
1:G:32:VAL:HA	1:G:45:ILE:HD13	1.61	0.81
1:I:24:VAL:HG23	1:I:27:PHE:CZ	2.16	0.81
1:I:32:VAL:HA	1:I:45:ILE:HD13	1.61	0.81
1:I:257:ASN:OD1	1:I:279:THR:CG2	2.28	0.81
1:J:257:ASN:OD1	1:J:279:THR:CG2	2.28	0.81
1:J:851:UNK:O	1:J:856:UNK:HA	1.80	0.81
1:K:19:PHE:CB	1:K:88:LEU:HD11	2.11	0.81
1:K:257:ASN:OD1	1:K:279:THR:CG2	2.28	0.81
1:K:475:LEU:HA	1:K:478:ILE:HG12	1.63	0.81
1:L:197:GLN:HE22	1:M:219:LEU:HD11	1.01	0.81
1:M:193:LEU:HD21	1:M:221:ILE:HG22	1.61	0.81
1:N:375:PHE:CE2	1:N:389:ILE:HG13	2.16	0.81
1:N:484:MET:HA	1:N:489:MET:CE	2.10	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:95:GLU:HG2	1:O:96:GLN:OE1	1.78	0.81
1:O:1068:UNK:HA	1:O:1072:UNK:CB	2.11	0.81
1:P:24:VAL:HG23	1:P:27:PHE:CZ	2.16	0.81
1:P:257:ASN:OD1	1:P:279:THR:CG2	2.28	0.81
1:P:509:ASN:HA	1:P:648:UNK:CB	2.10	0.81
1:A:371:ARG:HB3	1:A:389:ILE:HG23	1.62	0.81
1:A:421:SER:O	1:A:423:PRO:HD3	1.81	0.81
1:B:1068:UNK:HA	1:B:1072:UNK:CB	2.11	0.81
1:C:142:ARG:HB2	1:C:143:PRO:HD3	1.62	0.81
1:C:219:LEU:HD11	1:D:197:GLN:HE22	1.01	0.81
1:C:386:LEU:CD2	1:C:420:ILE:HD11	2.10	0.81
1:C:559:THR:HG23	1:C:1036:UNK:C	2.10	0.81
1:D:11:GLN:HA	1:D:169:LYS:HD3	1.62	0.81
1:D:375:PHE:CE2	1:D:389:ILE:HG13	2.16	0.81
1:D:578:HIS:O	1:D:581:VAL:HG13	1.80	0.81
1:E:241:LEU:HD13	1:E:261:LYS:HE2	1.63	0.81
1:E:278:ALA:HA	1:F:119:VAL:CG2	2.08	0.81
1:E:356:SER:O	1:E:359:VAL:HG12	1.79	0.81
1:F:24:VAL:HG23	1:F:27:PHE:CZ	2.16	0.81
1:F:257:ASN:OD1	1:F:279:THR:CG2	2.28	0.81
1:F:388:LEU:HD11	1:F:449:ILE:HG13	1.63	0.81
1:G:257:ASN:OD1	1:G:279:THR:CG2	2.28	0.81
1:H:32:VAL:HA	1:H:45:ILE:HD13	1.61	0.81
1:H:207:TRP:O	1:H:210:ARG:HG2	1.80	0.81
1:H:241:LEU:CD1	1:H:261:LYS:HE2	2.11	0.81
1:H:375:PHE:CE2	1:H:389:ILE:HG13	2.16	0.81
1:H:1068:UNK:HA	1:H:1072:UNK:CB	2.11	0.81
1:I:241:LEU:HD13	1:I:261:LYS:HE2	1.63	0.81
1:I:851:UNK:O	1:I:856:UNK:HA	1.80	0.81
1:J:475:LEU:HA	1:J:478:ILE:HG12	1.63	0.81
1:K:386:LEU:CD2	1:K:420:ILE:HD11	2.09	0.81
1:K:578:HIS:O	1:K:581:VAL:HG13	1.80	0.81
1:L:1068:UNK:HA	1:L:1072:UNK:CB	2.11	0.81
1:M:421:SER:O	1:M:423:PRO:HD3	1.81	0.81
1:N:32:VAL:HA	1:N:45:ILE:HD13	1.61	0.81
1:N:207:TRP:O	1:N:210:ARG:HG2	1.80	0.81
1:O:257:ASN:OD1	1:O:279:THR:CG2	2.28	0.81
1:O:397:ASP:O	1:O:401:VAL:HG23	1.81	0.81
1:P:484:MET:HA	1:P:489:MET:CE	2.10	0.81
1:A:219:LEU:HD11	1:B:197:GLN:HE22	1.01	0.80
1:A:253:TRP:O	1:A:256:PHE:HB3	1.82	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1068:UNK:HA	1:A:1072:UNK:CB	2.11	0.80
1:C:257:ASN:OD1	1:C:279:THR:CG2	2.28	0.80
1:C:475:LEU:HA	1:C:478:ILE:HG12	1.63	0.80
1:D:146:ASN:CG	1:D:275:LEU:HD11	2.00	0.80
1:D:257:ASN:OD1	1:D:279:THR:CG2	2.28	0.80
1:E:32:VAL:HA	1:E:45:ILE:HD13	1.61	0.80
1:E:257:ASN:OD1	1:E:279:THR:CG2	2.28	0.80
1:E:386:LEU:CD2	1:E:420:ILE:HD11	2.10	0.80
1:E:421:SER:O	1:E:423:PRO:HD3	1.81	0.80
1:F:11:GLN:HA	1:F:169:LYS:HD3	1.62	0.80
1:F:397:ASP:O	1:F:401:VAL:HG23	1.81	0.80
1:F:509:ASN:HA	1:F:648:UNK:CB	2.10	0.80
1:G:241:LEU:HD13	1:G:261:LYS:HE2	1.63	0.80
1:G:397:ASP:O	1:G:401:VAL:HG23	1.81	0.80
1:H:257:ASN:OD1	1:H:279:THR:CG2	2.28	0.80
1:H:397:ASP:O	1:H:401:VAL:HG23	1.81	0.80
1:I:40:LEU:HD22	1:I:48:ILE:CD1	2.10	0.80
1:I:244:LEU:HD22	1:I:262:ILE:HD12	1.60	0.80
1:I:278:ALA:HA	1:P:119:VAL:CG2	2.08	0.80
1:I:1068:UNK:HA	1:I:1072:UNK:CB	2.11	0.80
1:J:375:PHE:CE2	1:J:389:ILE:HG13	2.16	0.80
1:K:142:ARG:HB2	1:K:143:PRO:HD3	1.62	0.80
1:K:222:HIS:HA	1:K:225:GLN:NE2	1.96	0.80
1:L:397:ASP:O	1:L:401:VAL:HG23	1.81	0.80
1:M:253:TRP:O	1:M:256:PHE:HB3	1.82	0.80
1:M:371:ARG:HB3	1:M:389:ILE:HG23	1.62	0.80
1:M:1068:UNK:HA	1:M:1072:UNK:CB	2.11	0.80
1:N:11:GLN:HA	1:N:169:LYS:HD3	1.62	0.80
1:N:1068:UNK:HA	1:N:1072:UNK:CB	2.11	0.80
1:P:388:LEU:HD11	1:P:449:ILE:HG13	1.63	0.80
1:A:257:ASN:OD1	1:A:279:THR:CG2	2.28	0.80
1:A:525:LYS:O	1:A:528:ILE:HD12	1.82	0.80
1:B:40:LEU:HD22	1:B:48:ILE:CD1	2.10	0.80
1:B:397:ASP:O	1:B:401:VAL:HG23	1.81	0.80
1:C:222:HIS:HA	1:C:225:GLN:NE2	1.96	0.80
1:D:301:LEU:HD11	1:D:305:LEU:HD11	1.61	0.80
1:E:244:LEU:HD22	1:E:262:ILE:HD12	1.60	0.80
1:E:388:LEU:HD11	1:E:449:ILE:HG13	1.63	0.80
1:E:397:ASP:O	1:E:401:VAL:HG23	1.81	0.80
1:F:301:LEU:HD11	1:F:305:LEU:HD11	1.61	0.80
1:F:421:SER:O	1:F:423:PRO:HD3	1.81	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:443:ILE:HG13	1:F:478:ILE:HG22	1.61	0.80
1:G:207:TRP:O	1:G:210:ARG:HG2	1.80	0.80
1:G:241:LEU:CD1	1:G:261:LYS:HE2	2.11	0.80
1:H:509:ASN:HA	1:H:648:UNK:CB	2.10	0.80
1:I:123:TYR:CG	1:I:303:LYS:HB3	2.15	0.80
1:I:253:TRP:O	1:I:256:PHE:HB3	1.82	0.80
1:I:386:LEU:CD2	1:I:420:ILE:HD11	2.10	0.80
1:I:397:ASP:O	1:I:401:VAL:HG23	1.81	0.80
1:I:421:SER:O	1:I:423:PRO:HD3	1.81	0.80
1:J:11:GLN:HA	1:J:169:LYS:HD3	1.62	0.80
1:J:253:TRP:O	1:J:256:PHE:HB3	1.82	0.80
1:J:578:HIS:O	1:J:581:VAL:HG13	1.80	0.80
1:L:135:ARG:HG2	1:L:136:GLN:N	1.94	0.80
1:L:483:ARG:HD3	1:L:531:ASN:HD21	1.43	0.80
1:M:525:LYS:O	1:M:528:ILE:HD12	1.82	0.80
1:N:257:ASN:OD1	1:N:279:THR:CG2	2.28	0.80
1:N:397:ASP:O	1:N:401:VAL:HG23	1.81	0.80
1:N:518:LEU:O	1:N:522:LYS:HG2	1.81	0.80
1:O:207:TRP:O	1:O:210:ARG:HG2	1.80	0.80
1:O:241:LEU:HD13	1:O:261:LYS:HE2	1.63	0.80
1:P:421:SER:O	1:P:423:PRO:HD3	1.81	0.80
1:B:24:VAL:HG23	1:B:27:PHE:CZ	2.16	0.80
1:B:253:TRP:O	1:B:256:PHE:HB3	1.82	0.80
1:B:525:LYS:O	1:B:528:ILE:HD12	1.82	0.80
1:C:443:ILE:HG13	1:C:478:ILE:HG22	1.61	0.80
1:C:578:HIS:O	1:C:581:VAL:HG13	1.80	0.80
1:D:253:TRP:O	1:D:256:PHE:HB3	1.82	0.80
1:D:518:LEU:O	1:D:522:LYS:HG2	1.81	0.80
1:E:123:TYR:CG	1:E:303:LYS:HB3	2.15	0.80
1:E:253:TRP:O	1:E:256:PHE:HB3	1.82	0.80
1:E:1068:UNK:HA	1:E:1072:UNK:CB	2.11	0.80
1:F:32:VAL:HA	1:F:45:ILE:HD13	1.61	0.80
1:F:416:LYS:HE3	1:F:417:GLU:OE1	1.80	0.80
1:G:106:TYR:CD1	1:G:169:LYS:HB2	2.15	0.80
1:G:421:SER:O	1:G:423:PRO:HD3	1.81	0.80
1:H:518:LEU:O	1:H:522:LYS:HG2	1.81	0.80
1:I:388:LEU:HD11	1:I:449:ILE:HG13	1.63	0.80
1:J:146:ASN:CG	1:J:275:LEU:HD11	2.00	0.80
1:J:197:GLN:HE22	1:K:219:LEU:HD11	1.01	0.80
1:J:518:LEU:O	1:J:522:LYS:HG2	1.81	0.80
1:K:375:PHE:CE2	1:K:389:ILE:HG13	2.16	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:24:VAL:HG23	1:L:27:PHE:CZ	2.16	0.80
1:L:40:LEU:HD22	1:L:48:ILE:CD1	2.10	0.80
1:L:123:TYR:CG	1:L:303:LYS:HB3	2.15	0.80
1:L:253:TRP:O	1:L:256:PHE:HB3	1.82	0.80
1:L:525:LYS:O	1:L:528:ILE:HD12	1.82	0.80
1:M:257:ASN:OD1	1:M:279:THR:CG2	2.28	0.80
1:N:509:ASN:HA	1:N:648:UNK:CB	2.10	0.80
1:O:222:HIS:HA	1:O:225:GLN:NE2	1.96	0.80
1:P:301:LEU:HD11	1:P:305:LEU:HD11	1.61	0.80
1:P:397:ASP:O	1:P:401:VAL:HG23	1.81	0.80
1:A:197:GLN:HE22	1:H:219:LEU:HD11	1.01	0.80
1:B:123:TYR:CG	1:B:303:LYS:HB3	2.15	0.80
1:B:257:ASN:OD1	1:B:279:THR:CG2	2.28	0.80
1:B:483:ARG:HD3	1:B:531:ASN:HD21	1.43	0.80
1:C:40:LEU:HD11	1:C:64:THR:CB	2.12	0.80
1:C:193:LEU:HD21	1:C:221:ILE:HG22	1.61	0.80
1:C:253:TRP:O	1:C:256:PHE:HB3	1.82	0.80
1:C:267:ARG:NH1	3:C:1402:DTP:O3G	2.15	0.80
1:D:421:SER:O	1:D:423:PRO:HD3	1.81	0.80
1:E:40:LEU:HD22	1:E:48:ILE:CD1	2.10	0.80
1:F:362:PRO:O	1:F:366:ARG:HB3	1.80	0.80
1:G:222:HIS:HA	1:G:225:GLN:HE22	1.43	0.80
1:G:222:HIS:HA	1:G:225:GLN:NE2	1.96	0.80
1:G:253:TRP:O	1:G:256:PHE:HB3	1.82	0.80
1:H:11:GLN:HA	1:H:169:LYS:HD3	1.62	0.80
1:H:106:TYR:CD1	1:H:169:LYS:HB2	2.15	0.80
1:H:216:ASN:ND2	1:H:219:LEU:HD23	1.96	0.80
1:H:222:HIS:HA	1:H:225:GLN:NE2	1.96	0.80
1:H:253:TRP:O	1:H:256:PHE:HB3	1.82	0.80
1:I:375:PHE:CE2	1:I:389:ILE:HG13	2.16	0.80
1:J:301:LEU:HD11	1:J:305:LEU:HD11	1.61	0.80
1:J:388:LEU:HD11	1:J:449:ILE:HG13	1.63	0.80
1:K:253:TRP:O	1:K:256:PHE:HB3	1.82	0.80
1:L:257:ASN:OD1	1:L:279:THR:CG2	2.28	0.80
1:M:559:THR:HG23	1:M:1036:UNK:C	2.10	0.80
1:N:216:ASN:ND2	1:N:219:LEU:HD23	1.96	0.80
1:O:106:TYR:CD1	1:O:169:LYS:HB2	2.15	0.80
1:O:241:LEU:CD1	1:O:261:LYS:HE2	2.11	0.80
1:O:421:SER:O	1:O:423:PRO:HD3	1.81	0.80
1:P:11:GLN:HA	1:P:169:LYS:HD3	1.62	0.80
1:A:40:LEU:HD11	1:A:64:THR:CB	2.12	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:87:PHE:O	1:A:91:PRO:HD2	1.81	0.80
1:A:200:LEU:CD2	1:A:208:THR:HG23	2.11	0.80
1:A:375:PHE:CE2	1:A:389:ILE:HG13	2.16	0.80
1:A:509:ASN:HA	1:A:648:UNK:CB	2.10	0.80
1:A:559:THR:HG23	1:A:1036:UNK:C	2.10	0.80
1:B:40:LEU:HD11	1:B:64:THR:CB	2.12	0.80
1:C:375:PHE:CE2	1:C:389:ILE:HG13	2.16	0.80
1:C:397:ASP:O	1:C:401:VAL:HG23	1.81	0.80
1:C:851:UNK:O	1:C:856:UNK:HA	1.80	0.80
1:D:388:LEU:HD11	1:D:449:ILE:HG13	1.63	0.80
1:F:193:LEU:HD21	1:F:221:ILE:HG22	1.61	0.80
1:F:286:ASP:CA	1:F:287:HIS:HB2	2.06	0.80
1:F:369:PHE:HE1	1:F:427:LEU:HD11	1.46	0.80
1:F:578:HIS:O	1:F:581:VAL:HG13	1.80	0.80
1:F:851:UNK:O	1:F:856:UNK:HA	1.80	0.80
1:G:28:ASP:HA	1:G:31:ASP:HB2	1.62	0.80
1:G:200:LEU:O	1:G:203:ILE:HG22	1.82	0.80
1:G:484:MET:HA	1:G:489:MET:CE	2.10	0.80
1:H:222:HIS:HA	1:H:225:GLN:HE22	1.43	0.80
1:J:207:TRP:O	1:J:210:ARG:HG2	1.80	0.80
1:K:40:LEU:HD11	1:K:64:THR:CB	2.12	0.80
1:K:267:ARG:NH1	3:K:1402:DTP:O3G	2.15	0.80
1:K:388:LEU:HD11	1:K:449:ILE:HG13	1.63	0.80
1:K:518:LEU:O	1:K:522:LYS:HG2	1.81	0.80
1:L:19:PHE:CB	1:L:88:LEU:HD11	2.11	0.80
1:L:235:LYS:HE3	1:L:237:TYR:CE2	2.15	0.80
1:M:87:PHE:O	1:M:91:PRO:HD2	1.81	0.80
1:M:509:ASN:HA	1:M:648:UNK:CB	2.10	0.80
1:N:106:TYR:CD1	1:N:169:LYS:HB2	2.15	0.80
1:N:253:TRP:O	1:N:256:PHE:HB3	1.82	0.80
1:O:24:VAL:HG23	1:O:27:PHE:CZ	2.16	0.80
1:O:222:HIS:HA	1:O:225:GLN:HE22	1.43	0.80
1:O:253:TRP:O	1:O:256:PHE:HB3	1.82	0.80
1:O:484:MET:HA	1:O:489:MET:CE	2.10	0.80
1:O:509:ASN:HA	1:O:648:UNK:CB	2.10	0.80
1:P:32:VAL:HA	1:P:45:ILE:HD13	1.61	0.80
1:P:142:ARG:HB2	1:P:143:PRO:HD3	1.62	0.80
1:P:286:ASP:CA	1:P:287:HIS:HB2	2.06	0.80
1:P:416:LYS:HE3	1:P:417:GLU:OE1	1.80	0.80
1:P:443:ILE:HG13	1:P:478:ILE:HG22	1.61	0.80
1:P:578:HIS:O	1:P:581:VAL:HG13	1.80	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:19:PHE:CB	1:B:88:LEU:HD11	2.11	0.80
1:B:235:LYS:HE3	1:B:237:TYR:CE2	2.15	0.80
1:C:207:TRP:O	1:C:210:ARG:HG2	1.80	0.80
1:C:388:LEU:HD11	1:C:449:ILE:HG13	1.63	0.80
1:C:421:SER:O	1:C:423:PRO:HD3	1.81	0.80
1:D:207:TRP:O	1:D:210:ARG:HG2	1.80	0.80
1:D:241:LEU:CD1	1:D:261:LYS:HE2	2.11	0.80
1:D:267:ARG:NH1	3:D:1402:DTP:O3G	2.15	0.80
1:E:55:VAL:HG11	1:E:132:LEU:HD11	1.64	0.80
1:E:372:LEU:HD23	1:E:373:SER:N	1.95	0.80
1:E:375:PHE:CE2	1:E:389:ILE:HG13	2.16	0.80
1:F:411:VAL:O	1:F:427:LEU:HD12	1.82	0.80
1:G:200:LEU:CD2	1:G:208:THR:HG23	2.11	0.80
1:G:518:LEU:O	1:G:522:LYS:HG2	1.81	0.80
1:H:40:LEU:HD11	1:H:64:THR:CB	2.12	0.80
1:H:361:GLU:HG3	1:H:365:TYR:CD1	2.17	0.80
1:I:484:MET:HA	1:I:489:MET:CE	2.10	0.80
1:J:421:SER:O	1:J:423:PRO:HD3	1.81	0.80
1:K:397:ASP:O	1:K:401:VAL:HG23	1.81	0.80
1:K:421:SER:O	1:K:423:PRO:HD3	1.81	0.80
1:K:851:UNK:O	1:K:856:UNK:HA	1.81	0.80
1:L:40:LEU:HD11	1:L:64:THR:CB	2.12	0.80
1:M:40:LEU:HD11	1:M:64:THR:CB	2.12	0.80
1:M:200:LEU:O	1:M:203:ILE:HG22	1.82	0.80
1:M:200:LEU:CD2	1:M:208:THR:HG23	2.11	0.80
1:M:375:PHE:CE2	1:M:389:ILE:HG13	2.16	0.80
1:N:222:HIS:HA	1:N:225:GLN:NE2	1.96	0.80
1:O:200:LEU:O	1:O:203:ILE:HG22	1.82	0.80
1:O:388:LEU:HD11	1:O:449:ILE:HG13	1.63	0.80
1:P:193:LEU:HD21	1:P:221:ILE:HG22	1.61	0.80
1:P:362:PRO:O	1:P:366:ARG:HB3	1.80	0.80
1:A:200:LEU:O	1:A:203:ILE:HG22	1.82	0.80
1:A:235:LYS:HE3	1:A:237:TYR:CE2	2.15	0.80
1:A:538:LEU:HD11	1:A:572:ALA:HB3	1.64	0.80
1:B:153:LEU:HD23	1:B:322:ARG:CD	2.12	0.80
1:B:475:LEU:HA	1:B:478:ILE:HG12	1.63	0.80
1:C:216:ASN:ND2	1:C:219:LEU:HD23	1.96	0.80
1:C:518:LEU:O	1:C:522:LYS:HG2	1.81	0.80
1:E:19:PHE:CB	1:E:88:LEU:HD11	2.11	0.80
1:E:47:HIS:O	1:E:50:MET:HG2	1.82	0.80
1:E:87:PHE:O	1:E:91:PRO:HD2	1.81	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:222:HIS:HA	1:E:225:GLN:NE2	1.96	0.80
1:E:301:LEU:HD11	1:E:305:LEU:HD11	1.61	0.80
1:E:309:PRO:HA	1:E:312:LEU:CD1	2.09	0.80
1:E:484:MET:HA	1:E:489:MET:CE	2.10	0.80
1:E:518:LEU:O	1:E:522:LYS:HG2	1.81	0.80
1:G:24:VAL:HG23	1:G:27:PHE:CZ	2.16	0.80
1:G:509:ASN:HA	1:G:648:UNK:CB	2.10	0.80
1:H:87:PHE:O	1:H:91:PRO:HD2	1.81	0.80
1:H:475:LEU:HA	1:H:478:ILE:HG12	1.63	0.80
1:I:19:PHE:CB	1:I:88:LEU:HD11	2.11	0.80
1:I:55:VAL:HG11	1:I:132:LEU:HD11	1.64	0.80
1:I:87:PHE:O	1:I:91:PRO:HD2	1.81	0.80
1:I:372:LEU:HD23	1:I:373:SER:N	1.95	0.80
1:J:241:LEU:CD1	1:J:261:LYS:HE2	2.11	0.80
1:J:267:ARG:NH1	3:J:1402:DTP:O3G	2.15	0.80
1:K:193:LEU:HD21	1:K:221:ILE:HG22	1.61	0.80
1:K:216:ASN:ND2	1:K:219:LEU:HD23	1.96	0.80
1:K:443:ILE:HG13	1:K:478:ILE:HG22	1.61	0.80
1:L:153:LEU:HD23	1:L:322:ARG:CD	2.12	0.80
1:M:197:GLN:HE22	1:N:219:LEU:HD11	1.01	0.80
1:N:40:LEU:HD11	1:N:64:THR:CB	2.12	0.80
1:N:87:PHE:O	1:N:91:PRO:HD2	1.81	0.80
1:N:301:LEU:HD11	1:N:305:LEU:HD11	1.61	0.80
1:N:361:GLU:HG3	1:N:365:TYR:CD1	2.17	0.80
1:N:421:SER:O	1:N:423:PRO:HD3	1.81	0.80
1:N:525:LYS:O	1:N:528:ILE:HD12	1.82	0.80
1:O:28:ASP:HA	1:O:31:ASP:HB2	1.62	0.80
1:O:200:LEU:CD2	1:O:208:THR:HG23	2.11	0.80
1:O:518:LEU:O	1:O:522:LYS:HG2	1.81	0.80
1:P:369:PHE:HE1	1:P:427:LEU:HD11	1.46	0.80
1:P:411:VAL:O	1:P:427:LEU:HD12	1.82	0.80
1:P:562:LEU:HD22	1:P:562:LEU:H	1.43	0.80
1:P:851:UNK:O	1:P:856:UNK:HA	1.80	0.80
1:A:411:VAL:O	1:A:427:LEU:HD12	1.82	0.80
1:A:851:UNK:O	1:A:856:UNK:HA	1.80	0.80
1:B:361:GLU:HG3	1:B:365:TYR:CD1	2.17	0.80
1:B:518:LEU:O	1:B:522:LYS:HG2	1.81	0.80
1:C:24:VAL:HG23	1:C:27:PHE:CZ	2.16	0.80
1:D:47:HIS:O	1:D:50:MET:HG2	1.82	0.80
1:F:135:ARG:HG2	1:F:136:GLN:N	1.94	0.80
1:F:142:ARG:HB2	1:F:143:PRO:HD3	1.62	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:200:LEU:O	1:F:203:ILE:HG22	1.82	0.80
1:G:361:GLU:HG3	1:G:365:TYR:CD1	2.17	0.80
1:G:375:PHE:CE2	1:G:389:ILE:HG13	2.16	0.80
1:G:388:LEU:HD11	1:G:449:ILE:HG13	1.63	0.80
1:H:142:ARG:HB2	1:H:143:PRO:HD3	1.62	0.80
1:H:525:LYS:O	1:H:528:ILE:HD12	1.82	0.80
1:I:47:HIS:O	1:I:50:MET:HG2	1.82	0.80
1:I:301:LEU:HD11	1:I:305:LEU:HD11	1.61	0.80
1:I:518:LEU:O	1:I:522:LYS:HG2	1.81	0.80
1:L:361:GLU:HG3	1:L:365:TYR:CD1	2.17	0.80
1:L:518:LEU:O	1:L:522:LYS:HG2	1.81	0.80
1:M:411:VAL:O	1:M:427:LEU:HD12	1.82	0.80
1:M:475:LEU:HA	1:M:478:ILE:HG12	1.63	0.80
1:N:200:LEU:CD2	1:N:208:THR:HG23	2.11	0.80
1:N:222:HIS:HA	1:N:225:GLN:HE22	1.43	0.80
1:N:475:LEU:HA	1:N:478:ILE:HG12	1.63	0.80
1:O:235:LYS:HE3	1:O:237:TYR:CE2	2.16	0.80
1:O:361:GLU:HG3	1:O:365:TYR:CD1	2.17	0.80
1:P:200:LEU:O	1:P:203:ILE:HG22	1.82	0.80
1:B:106:TYR:CE2	1:B:169:LYS:HD2	2.17	0.80
1:C:40:LEU:HD22	1:C:48:ILE:CD1	2.10	0.80
1:C:47:HIS:O	1:C:50:MET:HG2	1.82	0.80
1:C:70:GLU:O	1:C:73:VAL:HG12	1.82	0.80
1:C:411:VAL:O	1:C:427:LEU:HD12	1.82	0.80
1:D:200:LEU:CD2	1:D:208:THR:HG23	2.11	0.80
1:F:216:ASN:ND2	1:F:219:LEU:HD23	1.96	0.80
1:G:235:LYS:HE3	1:G:237:TYR:CE2	2.15	0.80
1:G:301:LEU:HD11	1:G:305:LEU:HD11	1.61	0.80
1:H:200:LEU:CD2	1:H:208:THR:HG23	2.11	0.80
1:H:421:SER:O	1:H:423:PRO:HD3	1.81	0.80
1:I:222:HIS:HA	1:I:225:GLN:NE2	1.96	0.80
1:J:47:HIS:O	1:J:50:MET:HG2	1.82	0.80
1:J:142:ARG:HB2	1:J:143:PRO:HD3	1.62	0.80
1:J:200:LEU:CD2	1:J:208:THR:HG23	2.11	0.80
1:J:235:LYS:HE3	1:J:237:TYR:CE2	2.15	0.80
1:J:562:LEU:H	1:J:562:LEU:HD22	1.43	0.80
1:K:24:VAL:HG23	1:K:27:PHE:CZ	2.16	0.80
1:K:40:LEU:HD22	1:K:48:ILE:CD1	2.10	0.80
1:K:70:GLU:O	1:K:73:VAL:HG12	1.82	0.80
1:K:207:TRP:O	1:K:210:ARG:HG2	1.80	0.80
1:L:87:PHE:O	1:L:91:PRO:HD2	1.81	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:267:ARG:NH1	3:L:1402:DTP:O3G	2.15	0.80
1:L:421:SER:O	1:L:423:PRO:HD3	1.81	0.80
1:L:475:LEU:HA	1:L:478:ILE:HG12	1.63	0.80
1:M:538:LEU:HD11	1:M:572:ALA:HB3	1.64	0.80
1:M:851:UNK:O	1:M:856:UNK:HA	1.81	0.80
1:N:411:VAL:O	1:N:427:LEU:HD12	1.82	0.80
1:P:28:ASP:HA	1:P:31:ASP:HB2	1.62	0.80
1:A:475:LEU:HA	1:A:478:ILE:HG12	1.63	0.80
1:B:70:GLU:O	1:B:73:VAL:HG12	1.82	0.80
1:B:87:PHE:O	1:B:91:PRO:HD2	1.81	0.80
1:B:222:HIS:HA	1:B:225:GLN:NE2	1.96	0.80
1:B:267:ARG:NH1	3:B:1402:DTP:O3G	2.15	0.80
1:B:538:LEU:HD11	1:B:572:ALA:HB3	1.64	0.80
1:C:301:LEU:HD22	1:C:324:LEU:HD21	1.64	0.80
1:D:24:VAL:HG23	1:D:27:PHE:CZ	2.16	0.80
1:F:28:ASP:HA	1:F:31:ASP:HB2	1.62	0.80
1:F:47:HIS:O	1:F:50:MET:HG2	1.82	0.80
1:F:562:LEU:H	1:F:562:LEU:HD22	1.43	0.80
1:G:106:TYR:CE2	1:G:169:LYS:HD2	2.17	0.80
1:G:538:LEU:HD11	1:G:572:ALA:HB3	1.64	0.80
1:H:106:TYR:CE2	1:H:169:LYS:HD2	2.17	0.80
1:H:301:LEU:HD11	1:H:305:LEU:HD11	1.61	0.80
1:H:411:VAL:O	1:H:427:LEU:HD12	1.82	0.80
1:H:538:LEU:HD11	1:H:572:ALA:HB3	1.64	0.80
1:I:309:PRO:HA	1:I:312:LEU:CD1	2.09	0.80
1:I:411:VAL:O	1:I:427:LEU:HD12	1.82	0.80
1:J:24:VAL:HG23	1:J:27:PHE:CZ	2.16	0.80
1:K:301:LEU:HD22	1:K:324:LEU:HD21	1.64	0.80
1:K:411:VAL:O	1:K:427:LEU:HD12	1.82	0.80
1:L:106:TYR:CE2	1:L:169:LYS:HD2	2.17	0.80
1:L:538:LEU:HD11	1:L:572:ALA:HB3	1.64	0.80
1:M:153:LEU:HD23	1:M:322:ARG:CD	2.12	0.80
1:M:235:LYS:HE3	1:M:237:TYR:CE2	2.16	0.80
1:M:390:TRP:CH2	1:M:402:VAL:HG12	2.17	0.80
1:N:106:TYR:CE2	1:N:169:LYS:HD2	2.17	0.80
1:O:106:TYR:CE2	1:O:169:LYS:HD2	2.17	0.80
1:O:216:ASN:ND2	1:O:219:LEU:HD23	1.96	0.80
1:O:375:PHE:CE2	1:O:389:ILE:HG13	2.16	0.80
1:O:538:LEU:HD11	1:O:572:ALA:HB3	1.64	0.80
1:P:47:HIS:O	1:P:50:MET:HG2	1.82	0.80
1:P:216:ASN:ND2	1:P:219:LEU:HD23	1.96	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:153:LEU:HD23	1:A:322:ARG:CD	2.12	0.79
1:A:390:TRP:CH2	1:A:402:VAL:HG12	2.17	0.79
1:B:216:ASN:ND2	1:B:219:LEU:HD23	1.96	0.79
1:B:421:SER:O	1:B:423:PRO:HD3	1.81	0.79
1:C:525:LYS:O	1:C:528:ILE:HD12	1.82	0.79
1:D:153:LEU:HD23	1:D:322:ARG:CD	2.12	0.79
1:D:235:LYS:HE3	1:D:237:TYR:CE2	2.15	0.79
1:D:562:LEU:HD22	1:D:562:LEU:H	1.43	0.79
1:E:411:VAL:O	1:E:427:LEU:HD12	1.82	0.79
1:F:70:GLU:O	1:F:73:VAL:HG12	1.82	0.79
1:G:216:ASN:ND2	1:G:219:LEU:HD23	1.96	0.79
1:H:24:VAL:HG23	1:H:27:PHE:CZ	2.16	0.79
1:J:153:LEU:HD23	1:J:322:ARG:CD	2.12	0.79
1:K:47:HIS:O	1:K:50:MET:HG2	1.82	0.79
1:L:70:GLU:O	1:L:73:VAL:HG12	1.82	0.79
1:L:222:HIS:HA	1:L:225:GLN:NE2	1.96	0.79
1:N:24:VAL:HG23	1:N:27:PHE:CZ	2.16	0.79
1:N:142:ARG:HB2	1:N:143:PRO:HD3	1.62	0.79
1:O:301:LEU:HD11	1:O:305:LEU:HD11	1.61	0.79
1:P:70:GLU:O	1:P:73:VAL:HG12	1.82	0.79
1:P:135:ARG:HG2	1:P:136:GLN:N	1.94	0.79
1:P:207:TRP:O	1:P:210:ARG:HG2	1.80	0.79
1:P:253:TRP:O	1:P:256:PHE:HB3	1.82	0.79
1:P:518:LEU:O	1:P:522:LYS:HG2	1.81	0.79
1:A:518:LEU:O	1:A:522:LYS:HG2	1.81	0.79
1:B:200:LEU:O	1:B:203:ILE:HG22	1.82	0.79
1:B:369:PHE:HE1	1:B:427:LEU:HD11	1.46	0.79
1:B:411:VAL:O	1:B:427:LEU:HD12	1.82	0.79
1:B:488:ARG:HD2	1:B:494:PHE:CB	2.12	0.79
1:C:488:ARG:HD2	1:C:494:PHE:CB	2.12	0.79
1:D:142:ARG:HB2	1:D:143:PRO:HD3	1.62	0.79
1:E:106:TYR:CE2	1:E:169:LYS:HD2	2.17	0.79
1:E:216:ASN:ND2	1:E:219:LEU:HD23	1.96	0.79
1:E:361:GLU:HG3	1:E:365:TYR:CD1	2.17	0.79
1:F:132:LEU:HA	1:F:135:ARG:CD	2.13	0.79
1:F:518:LEU:O	1:F:522:LYS:HG2	1.81	0.79
1:F:538:LEU:HD11	1:F:572:ALA:HB3	1.64	0.79
1:G:47:HIS:O	1:G:50:MET:HG2	1.82	0.79
1:G:70:GLU:O	1:G:73:VAL:HG12	1.82	0.79
1:H:390:TRP:CH2	1:H:402:VAL:HG12	2.17	0.79
1:I:106:TYR:CE2	1:I:169:LYS:HD2	2.17	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:216:ASN:ND2	1:I:219:LEU:HD23	1.96	0.79
1:J:55:VAL:HG11	1:J:132:LEU:HD11	1.64	0.79
1:J:106:TYR:CE2	1:J:169:LYS:HD2	2.17	0.79
1:K:200:LEU:O	1:K:203:ILE:HG22	1.82	0.79
1:K:488:ARG:HD2	1:K:494:PHE:CB	2.12	0.79
1:L:216:ASN:ND2	1:L:219:LEU:HD23	1.96	0.79
1:L:301:LEU:HD22	1:L:324:LEU:HD21	1.64	0.79
1:L:411:VAL:O	1:L:427:LEU:HD12	1.82	0.79
1:L:488:ARG:HD2	1:L:494:PHE:CB	2.12	0.79
1:M:106:TYR:CE2	1:M:169:LYS:HD2	2.17	0.79
1:M:106:TYR:CD1	1:M:169:LYS:HB2	2.15	0.79
1:N:390:TRP:CH2	1:N:402:VAL:HG12	2.17	0.79
1:N:538:LEU:HD11	1:N:572:ALA:HB3	1.64	0.79
1:O:70:GLU:O	1:O:73:VAL:HG12	1.82	0.79
1:P:55:VAL:HG11	1:P:132:LEU:HD11	1.64	0.79
1:P:132:LEU:HA	1:P:135:ARG:CD	2.13	0.79
1:P:538:LEU:HD11	1:P:572:ALA:HB3	1.64	0.79
1:A:106:TYR:CE2	1:A:169:LYS:HD2	2.17	0.79
1:D:55:VAL:HG11	1:D:132:LEU:HD11	1.64	0.79
1:D:106:TYR:CE2	1:D:169:LYS:HD2	2.17	0.79
1:D:411:VAL:O	1:D:427:LEU:HD12	1.82	0.79
1:E:267:ARG:NH1	3:E:1402:DTP:O3G	2.15	0.79
1:F:207:TRP:O	1:F:210:ARG:HG2	1.80	0.79
1:F:253:TRP:O	1:F:256:PHE:HB3	1.82	0.79
1:I:200:LEU:O	1:I:203:ILE:HG22	1.82	0.79
1:I:361:GLU:HG3	1:I:365:TYR:CD1	2.17	0.79
1:J:70:GLU:O	1:J:73:VAL:HG12	1.82	0.79
1:J:200:LEU:O	1:J:203:ILE:HG22	1.82	0.79
1:K:369:PHE:HE1	1:K:427:LEU:HD11	1.46	0.79
1:K:525:LYS:O	1:K:528:ILE:HD12	1.82	0.79
1:L:200:LEU:O	1:L:203:ILE:HG22	1.82	0.79
1:L:369:PHE:HE1	1:L:427:LEU:HD11	1.46	0.79
1:M:7:GLU:CG	1:M:107:ILE:HD13	2.13	0.79
1:M:518:LEU:O	1:M:522:LYS:HG2	1.81	0.79
1:O:47:HIS:O	1:O:50:MET:HG2	1.82	0.79
1:P:200:LEU:CD2	1:P:208:THR:HG23	2.11	0.79
1:A:7:GLU:CG	1:A:107:ILE:HD13	2.13	0.79
1:A:19:PHE:CB	1:A:88:LEU:HD11	2.11	0.79
1:B:11:GLN:HA	1:B:169:LYS:HD3	1.62	0.79
1:B:301:LEU:HD22	1:B:324:LEU:HD21	1.64	0.79
1:C:200:LEU:O	1:C:203:ILE:HG22	1.82	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:277:ALA:O	1:D:119:VAL:CA	1.78	0.79
1:D:70:GLU:O	1:D:73:VAL:HG12	1.82	0.79
1:E:491:PHE:HB3	1:E:576:GLU:HG2	1.63	0.79
1:F:15:ILE:HD11	1:F:88:LEU:HD12	1.65	0.79
1:F:55:VAL:HG11	1:F:132:LEU:HD11	1.64	0.79
1:G:369:PHE:HE1	1:G:427:LEU:HD11	1.46	0.79
1:H:267:ARG:NH1	3:H:1402:DTP:O3G	2.15	0.79
1:I:267:ARG:NH1	3:I:1402:DTP:O3G	2.15	0.79
1:J:411:VAL:O	1:J:427:LEU:HD12	1.82	0.79
1:K:376:PRO:HG2	1:K:470:HIS:CG	2.18	0.79
1:L:11:GLN:HA	1:L:169:LYS:HD3	1.62	0.79
1:P:15:ILE:HD11	1:P:88:LEU:HD12	1.65	0.79
1:P:267:ARG:NH1	3:P:1402:DTP:O3G	2.15	0.79
1:B:47:HIS:O	1:B:50:MET:HG2	1.82	0.79
1:B:388:LEU:HD11	1:B:449:ILE:HG13	1.63	0.79
1:C:235:LYS:HE3	1:C:237:TYR:CE2	2.15	0.79
1:C:369:PHE:HE1	1:C:427:LEU:HD11	1.46	0.79
1:C:376:PRO:HG2	1:C:470:HIS:CG	2.18	0.79
1:D:200:LEU:O	1:D:203:ILE:HG22	1.82	0.79
1:D:390:TRP:CH2	1:D:402:VAL:HG12	2.17	0.79
1:D:488:ARG:HD2	1:D:494:PHE:CB	2.12	0.79
1:E:200:LEU:O	1:E:203:ILE:HG22	1.82	0.79
1:F:7:GLU:CG	1:F:107:ILE:HD13	2.13	0.79
1:F:35:MET:HG2	1:F:40:LEU:HB3	1.65	0.79
1:F:200:LEU:CD2	1:F:208:THR:HG23	2.11	0.79
1:F:235:LYS:HE3	1:F:237:TYR:CE2	2.15	0.79
1:F:267:ARG:NH1	3:F:1402:DTP:O3G	2.15	0.79
1:G:267:ARG:NH1	3:G:1402:DTP:O3G	2.15	0.79
1:G:851:UNK:O	1:G:856:UNK:HA	1.80	0.79
1:I:70:GLU:O	1:I:73:VAL:HG12	1.82	0.79
1:I:113:LEU:HD22	1:I:166:LEU:CD1	2.13	0.79
1:I:491:PHE:HB3	1:I:576:GLU:HG2	1.63	0.79
1:J:15:ILE:HD11	1:J:88:LEU:HD12	1.65	0.79
1:J:390:TRP:CH2	1:J:402:VAL:HG12	2.17	0.79
1:J:488:ARG:HD2	1:J:494:PHE:CB	2.12	0.79
1:L:388:LEU:HD11	1:L:449:ILE:HG13	1.63	0.79
1:M:19:PHE:CB	1:M:88:LEU:HD11	2.11	0.79
1:M:361:GLU:HG3	1:M:365:TYR:CD1	2.17	0.79
1:O:15:ILE:HD11	1:O:88:LEU:HD12	1.65	0.79
1:O:119:VAL:CA	1:P:277:ALA:CA	2.22	0.79
1:O:390:TRP:CH2	1:O:402:VAL:HG12	2.17	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:7:GLU:CG	1:P:107:ILE:HD13	2.13	0.79
1:P:35:MET:HG2	1:P:40:LEU:HB3	1.65	0.79
1:A:216:ASN:ND2	1:A:219:LEU:HD23	1.96	0.79
1:A:361:GLU:HG3	1:A:365:TYR:CD1	2.17	0.79
1:A:397:ASP:O	1:A:401:VAL:HG23	1.81	0.79
1:A:429:LEU:HA	1:A:432:LYS:CE	2.13	0.79
1:C:132:LEU:HA	1:C:135:ARG:CD	2.13	0.79
1:D:15:ILE:HD11	1:D:88:LEU:HD12	1.65	0.79
1:D:87:PHE:O	1:D:91:PRO:HD2	1.81	0.79
1:E:70:GLU:O	1:E:73:VAL:HG12	1.82	0.79
1:E:113:LEU:HD22	1:E:166:LEU:CD1	2.13	0.79
1:E:376:PRO:HG2	1:E:470:HIS:CG	2.18	0.79
1:E:562:LEU:HD23	1:E:1036:UNK:O	1.83	0.79
1:F:123:TYR:HB2	1:F:304:TYR:N	1.98	0.79
1:F:361:GLU:HG3	1:F:365:TYR:CD1	2.17	0.79
1:F:491:PHE:HB3	1:F:576:GLU:HG2	1.63	0.79
1:G:15:ILE:HD11	1:G:88:LEU:HD12	1.65	0.79
1:G:153:LEU:HD23	1:G:322:ARG:CD	2.12	0.79
1:H:19:PHE:CB	1:H:88:LEU:HD11	2.11	0.79
1:I:200:LEU:CD2	1:I:208:THR:HG23	2.11	0.79
1:I:376:PRO:HG2	1:I:470:HIS:CG	2.18	0.79
1:K:132:LEU:HA	1:K:135:ARG:CD	2.13	0.79
1:K:241:LEU:HD13	1:K:261:LYS:HE2	1.63	0.79
1:L:390:TRP:CH2	1:L:402:VAL:HG12	2.17	0.79
1:M:376:PRO:HG2	1:M:470:HIS:CG	2.18	0.79
1:M:429:LEU:HA	1:M:432:LYS:CE	2.13	0.79
1:N:267:ARG:NH1	3:N:1402:DTP:O3G	2.15	0.79
1:O:35:MET:HG2	1:O:40:LEU:HB3	1.65	0.79
1:O:87:PHE:O	1:O:91:PRO:HD2	1.81	0.79
1:O:153:LEU:HD23	1:O:322:ARG:CD	2.12	0.79
1:O:369:PHE:HE1	1:O:427:LEU:HD11	1.46	0.79
1:P:123:TYR:HB2	1:P:304:TYR:N	1.98	0.79
1:P:235:LYS:HE3	1:P:237:TYR:CE2	2.15	0.79
1:A:47:HIS:O	1:A:50:MET:HG2	1.82	0.79
1:A:376:PRO:HG2	1:A:470:HIS:CG	2.18	0.79
1:A:488:ARG:HD2	1:A:494:PHE:CB	2.12	0.79
1:B:35:MET:HG2	1:B:40:LEU:CB	2.13	0.79
1:B:44:GLU:O	1:B:48:ILE:HD12	1.83	0.79
1:B:390:TRP:CH2	1:B:402:VAL:HG12	2.17	0.79
1:C:15:ILE:HD11	1:C:88:LEU:HD12	1.65	0.79
1:C:241:LEU:HD13	1:C:261:LYS:HE2	1.63	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:429:LEU:HA	1:C:432:LYS:CE	2.13	0.79
1:D:19:PHE:CB	1:D:88:LEU:HD11	2.11	0.79
1:D:132:LEU:HA	1:D:135:ARG:CD	2.13	0.79
1:D:562:LEU:HD23	1:D:1036:UNK:O	1.83	0.79
1:E:35:MET:HG2	1:E:40:LEU:CB	2.13	0.79
1:E:35:MET:HG2	1:E:40:LEU:HB3	1.65	0.79
1:E:557:LYS:HD2	1:E:558:TYR:H	1.47	0.79
1:F:488:ARG:HD2	1:F:494:PHE:CB	2.12	0.79
1:G:35:MET:HG2	1:G:40:LEU:HB3	1.65	0.79
1:G:87:PHE:O	1:G:91:PRO:HD2	1.81	0.79
1:G:390:TRP:CH2	1:G:402:VAL:HG12	2.17	0.79
1:H:70:GLU:O	1:H:73:VAL:HG12	1.82	0.79
1:I:35:MET:HG2	1:I:40:LEU:HB3	1.65	0.79
1:I:475:LEU:HA	1:I:478:ILE:HG12	1.63	0.79
1:I:562:LEU:HD23	1:I:1036:UNK:O	1.83	0.79
1:J:216:ASN:ND2	1:J:219:LEU:HD23	1.96	0.79
1:J:491:PHE:HB3	1:J:576:GLU:HG2	1.63	0.79
1:K:15:ILE:HD11	1:K:88:LEU:HD12	1.65	0.79
1:K:235:LYS:HE3	1:K:237:TYR:CE2	2.16	0.79
1:L:35:MET:HG2	1:L:40:LEU:CB	2.13	0.79
1:L:47:HIS:O	1:L:50:MET:HG2	1.82	0.79
1:M:267:ARG:NH1	3:M:1402:DTP:O3G	2.15	0.79
1:O:7:GLU:CG	1:O:107:ILE:HD13	2.13	0.79
1:O:267:ARG:NH1	3:O:1402:DTP:O3G	2.15	0.79
1:P:361:GLU:HG3	1:P:365:TYR:CD1	2.17	0.79
1:P:488:ARG:HD2	1:P:494:PHE:CB	2.12	0.79
1:P:491:PHE:HB3	1:P:576:GLU:HG2	1.63	0.79
1:C:55:VAL:HG11	1:C:132:LEU:HD11	1.64	0.79
1:C:390:TRP:CH2	1:C:402:VAL:HG12	2.17	0.79
1:D:129:GLN:HB2	1:D:130:PRO:HD3	1.65	0.79
1:D:491:PHE:HB3	1:D:576:GLU:HG2	1.63	0.79
1:E:44:GLU:O	1:E:48:ILE:HD12	1.83	0.79
1:E:153:LEU:HD23	1:E:322:ARG:CD	2.12	0.79
1:F:390:TRP:CH2	1:F:402:VAL:HG12	2.17	0.79
1:G:557:LYS:HD2	1:G:558:TYR:H	1.47	0.79
1:H:113:LEU:HD22	1:H:166:LEU:CD1	2.13	0.79
1:I:35:MET:HG2	1:I:40:LEU:CB	2.13	0.79
1:I:44:GLU:O	1:I:48:ILE:HD12	1.83	0.79
1:I:557:LYS:HD2	1:I:558:TYR:H	1.47	0.79
1:J:87:PHE:O	1:J:91:PRO:HD2	1.81	0.79
1:J:129:GLN:HB2	1:J:130:PRO:HD3	1.65	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:132:LEU:HA	1:J:135:ARG:CD	2.13	0.79
1:J:562:LEU:HD23	1:J:1036:UNK:O	1.83	0.79
1:K:7:GLU:CG	1:K:107:ILE:HD13	2.13	0.79
1:K:55:VAL:HG11	1:K:132:LEU:HD11	1.64	0.79
1:K:429:LEU:HA	1:K:432:LYS:CE	2.13	0.79
1:L:44:GLU:O	1:L:48:ILE:HD12	1.83	0.79
1:M:47:HIS:O	1:M:50:MET:HG2	1.82	0.79
1:M:216:ASN:ND2	1:M:219:LEU:HD23	1.96	0.79
1:M:397:ASP:O	1:M:401:VAL:HG23	1.81	0.79
1:M:488:ARG:HD2	1:M:494:PHE:CB	2.12	0.79
1:N:19:PHE:CB	1:N:88:LEU:HD11	2.11	0.79
1:N:35:MET:HG2	1:N:40:LEU:HB3	1.65	0.79
1:N:388:LEU:HD11	1:N:449:ILE:HG13	1.63	0.79
1:O:851:UNK:O	1:O:856:UNK:HA	1.81	0.79
1:P:19:PHE:CB	1:P:88:LEU:HD11	2.11	0.79
1:P:44:GLU:O	1:P:48:ILE:HD12	1.83	0.79
1:P:390:TRP:CH2	1:P:402:VAL:HG12	2.17	0.79
1:A:241:LEU:HD13	1:A:261:LYS:HE2	1.63	0.79
1:A:267:ARG:NH1	3:A:1402:DTP:O3G	2.15	0.79
1:B:562:LEU:HD23	1:B:1036:UNK:O	1.83	0.79
1:C:7:GLU:CG	1:C:107:ILE:HD13	2.13	0.79
1:C:538:LEU:HD11	1:C:572:ALA:HB3	1.64	0.79
1:D:216:ASN:ND2	1:D:219:LEU:HD23	1.96	0.79
1:E:15:ILE:HD11	1:E:88:LEU:HD12	1.65	0.79
1:E:19:PHE:CE1	1:E:88:LEU:HD21	2.18	0.79
1:E:200:LEU:CD2	1:E:208:THR:HG23	2.11	0.79
1:F:19:PHE:CB	1:F:88:LEU:HD11	2.11	0.79
1:F:35:MET:HG2	1:F:40:LEU:CB	2.13	0.79
1:F:44:GLU:O	1:F:48:ILE:HD12	1.83	0.79
1:G:7:GLU:CG	1:G:107:ILE:HD13	2.13	0.79
1:G:429:LEU:HA	1:G:432:LYS:CE	2.13	0.79
1:H:35:MET:HG2	1:H:40:LEU:HB3	1.65	0.79
1:H:153:LEU:HD23	1:H:322:ARG:CD	2.12	0.79
1:H:309:PRO:HA	1:H:312:LEU:CD1	2.09	0.79
1:H:491:PHE:HB3	1:H:576:GLU:HG2	1.63	0.79
1:I:19:PHE:CE1	1:I:88:LEU:HD21	2.18	0.79
1:I:153:LEU:HD23	1:I:322:ARG:CD	2.12	0.79
1:I:525:LYS:O	1:I:528:ILE:HD12	1.82	0.79
1:J:19:PHE:CB	1:J:88:LEU:HD11	2.11	0.79
1:J:35:MET:HG2	1:J:40:LEU:CB	2.13	0.79
1:J:397:ASP:O	1:J:401:VAL:HG23	1.81	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:153:LEU:HD23	1:K:322:ARG:CD	2.12	0.79
1:K:179:PHE:HB2	1:K:242:LEU:CD2	2.12	0.79
1:K:390:TRP:CH2	1:K:402:VAL:HG12	2.17	0.79
1:L:200:LEU:CD2	1:L:208:THR:HG23	2.11	0.79
1:L:562:LEU:HD23	1:L:1036:UNK:O	1.83	0.79
1:M:241:LEU:HD13	1:M:261:LYS:HE2	1.63	0.79
1:N:70:GLU:O	1:N:73:VAL:HG12	1.82	0.79
1:N:113:LEU:HD22	1:N:166:LEU:CD1	2.13	0.79
1:O:19:PHE:CB	1:O:88:LEU:HD11	2.11	0.79
1:P:35:MET:HG2	1:P:40:LEU:CB	2.13	0.79
1:P:87:PHE:O	1:P:91:PRO:HD2	1.81	0.79
1:A:70:GLU:O	1:A:73:VAL:HG12	1.82	0.79
1:B:123:TYR:HB2	1:B:304:TYR:N	1.98	0.79
1:B:200:LEU:CD2	1:B:208:THR:HG23	2.11	0.79
1:C:153:LEU:HD23	1:C:322:ARG:CD	2.12	0.79
1:C:179:PHE:HB2	1:C:242:LEU:CD2	2.12	0.79
1:D:35:MET:HG2	1:D:40:LEU:CB	2.13	0.79
1:D:222:HIS:HA	1:D:225:GLN:NE2	1.96	0.79
1:D:301:LEU:HD22	1:D:324:LEU:HD21	1.64	0.79
1:E:129:GLN:HB2	1:E:130:PRO:HD3	1.65	0.79
1:E:180:TRP:O	1:E:181:LEU:HD23	1.83	0.79
1:E:475:LEU:HA	1:E:478:ILE:HG12	1.63	0.79
1:E:525:LYS:O	1:E:528:ILE:HD12	1.82	0.79
1:E:538:LEU:HD11	1:E:572:ALA:HB3	1.64	0.79
1:F:87:PHE:O	1:F:91:PRO:HD2	1.81	0.79
1:G:132:LEU:HA	1:G:135:ARG:CD	2.13	0.79
1:H:44:GLU:O	1:H:48:ILE:HD12	1.83	0.79
1:H:388:LEU:HD11	1:H:449:ILE:HG13	1.63	0.79
1:I:15:ILE:HD11	1:I:88:LEU:HD12	1.65	0.79
1:I:132:LEU:HA	1:I:135:ARG:CD	2.13	0.79
1:J:301:LEU:HD22	1:J:324:LEU:HD21	1.64	0.79
1:K:538:LEU:HD11	1:K:572:ALA:HB3	1.64	0.79
1:L:123:TYR:HB2	1:L:304:TYR:N	1.98	0.79
1:M:24:VAL:HG23	1:M:27:PHE:CZ	2.16	0.79
1:N:44:GLU:O	1:N:48:ILE:HD12	1.83	0.79
1:N:200:LEU:O	1:N:203:ILE:HG22	1.82	0.79
1:O:429:LEU:HA	1:O:432:LYS:CE	2.13	0.79
1:O:557:LYS:HD2	1:O:558:TYR:H	1.47	0.79
1:P:106:TYR:CE2	1:P:169:LYS:HD2	2.17	0.79
1:P:241:LEU:HD13	1:P:261:LYS:HE2	1.63	0.79
1:A:35:MET:HG2	1:A:40:LEU:HB3	1.65	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:87:PHE:O	1:C:91:PRO:HD2	1.81	0.78
1:C:200:LEU:CD2	1:C:208:THR:HG23	2.11	0.78
1:D:7:GLU:CG	1:D:107:ILE:HD13	2.13	0.78
1:D:44:GLU:O	1:D:48:ILE:HD12	1.83	0.78
1:D:361:GLU:HG3	1:D:365:TYR:CD1	2.17	0.78
1:D:397:ASP:O	1:D:401:VAL:HG23	1.81	0.78
1:F:19:PHE:CE1	1:F:88:LEU:HD21	2.18	0.78
1:F:309:PRO:HA	1:F:312:LEU:CD1	2.09	0.78
1:G:19:PHE:CB	1:G:88:LEU:HD11	2.11	0.78
1:G:411:VAL:O	1:G:427:LEU:HD12	1.82	0.78
1:G:601:UNK:C	1:G:601:UNK:CB	2.62	0.78
1:I:123:TYR:HB2	1:I:304:TYR:N	1.98	0.78
1:I:129:GLN:HB2	1:I:130:PRO:HD3	1.65	0.78
1:I:180:TRP:O	1:I:181:LEU:HD23	1.83	0.78
1:I:538:LEU:HD11	1:I:572:ALA:HB3	1.64	0.78
1:J:44:GLU:O	1:J:48:ILE:HD12	1.83	0.78
1:K:200:LEU:CD2	1:K:208:THR:HG23	2.11	0.78
1:L:491:PHE:HB3	1:L:576:GLU:HG2	1.63	0.78
1:M:70:GLU:O	1:M:73:VAL:HG12	1.82	0.78
1:N:153:LEU:HD23	1:N:322:ARG:CD	2.12	0.78
1:N:491:PHE:HB3	1:N:576:GLU:HG2	1.63	0.78
1:N:557:LYS:HD2	1:N:558:TYR:H	1.47	0.78
1:O:132:LEU:HA	1:O:135:ARG:CD	2.13	0.78
1:P:19:PHE:CE1	1:P:88:LEU:HD21	2.18	0.78
1:P:309:PRO:HA	1:P:312:LEU:CD1	2.09	0.78
1:A:24:VAL:HG23	1:A:27:PHE:CZ	2.16	0.78
1:A:119:VAL:HG23	1:H:278:ALA:HA	1.66	0.78
1:B:1:MET:SD	1:B:73:VAL:HB	2.23	0.78
1:C:106:TYR:CE2	1:C:169:LYS:HD2	2.17	0.78
1:C:361:GLU:HG3	1:C:365:TYR:CD1	2.17	0.78
1:D:19:PHE:CE1	1:D:88:LEU:HD21	2.18	0.78
1:D:40:LEU:HD22	1:D:48:ILE:CD1	2.10	0.78
1:D:241:LEU:HD13	1:D:261:LYS:HE2	1.63	0.78
1:E:1:MET:SD	1:E:73:VAL:HB	2.23	0.78
1:E:132:LEU:HA	1:E:135:ARG:CD	2.13	0.78
1:F:106:TYR:CE2	1:F:169:LYS:HD2	2.17	0.78
1:F:277:ALA:CA	1:G:119:VAL:CA	2.22	0.78
1:H:488:ARG:HD2	1:H:494:PHE:CB	2.12	0.78
1:I:1:MET:SD	1:I:73:VAL:HB	2.23	0.78
1:I:7:GLU:CG	1:I:107:ILE:HD13	2.13	0.78
1:I:390:TRP:CH2	1:I:402:VAL:HG12	2.17	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:7:GLU:CG	1:J:107:ILE:HD13	2.13	0.78
1:J:119:VAL:CA	1:K:277:ALA:O	1.78	0.78
1:J:222:HIS:HA	1:J:225:GLN:NE2	1.96	0.78
1:K:87:PHE:O	1:K:91:PRO:HD2	1.81	0.78
1:K:361:GLU:HG3	1:K:365:TYR:CD1	2.17	0.78
1:L:1:MET:SD	1:L:73:VAL:HB	2.23	0.78
1:M:119:VAL:HG23	1:N:278:ALA:HA	1.66	0.78
1:N:55:VAL:HG11	1:N:132:LEU:HD11	1.64	0.78
1:N:429:LEU:HA	1:N:432:LYS:CE	2.13	0.78
1:N:488:ARG:HD2	1:N:494:PHE:CB	2.12	0.78
1:O:376:PRO:HG2	1:O:470:HIS:CG	2.18	0.78
1:O:601:UNK:C	1:O:601:UNK:CB	2.62	0.78
1:P:301:LEU:HD22	1:P:324:LEU:HD21	1.64	0.78
1:A:1:MET:SD	1:A:73:VAL:HB	2.23	0.78
1:B:491:PHE:HB3	1:B:576:GLU:HG2	1.63	0.78
1:D:179:PHE:HB2	1:D:242:LEU:CD2	2.12	0.78
1:E:7:GLU:CG	1:E:107:ILE:HD13	2.13	0.78
1:E:123:TYR:HB2	1:E:304:TYR:N	1.98	0.78
1:E:390:TRP:CH2	1:E:402:VAL:HG12	2.17	0.78
1:F:241:LEU:HD13	1:F:261:LYS:HE2	1.63	0.78
1:F:301:LEU:HD22	1:F:324:LEU:HD21	1.64	0.78
1:F:525:LYS:O	1:F:528:ILE:HD12	1.82	0.78
1:G:376:PRO:HG2	1:G:470:HIS:CG	2.18	0.78
1:H:55:VAL:HG11	1:H:132:LEU:HD11	1.64	0.78
1:H:200:LEU:O	1:H:203:ILE:HG22	1.82	0.78
1:H:301:LEU:HD22	1:H:324:LEU:HD21	1.64	0.78
1:H:429:LEU:HA	1:H:432:LYS:CE	2.13	0.78
1:H:543:LEU:O	1:H:547:PRO:HD2	1.84	0.78
1:H:557:LYS:HD2	1:H:558:TYR:H	1.47	0.78
1:J:19:PHE:CE1	1:J:88:LEU:HD21	2.18	0.78
1:L:142:ARG:HB2	1:L:143:PRO:HD3	1.62	0.78
1:M:1:MET:SD	1:M:73:VAL:HB	2.23	0.78
1:M:35:MET:HG2	1:M:40:LEU:CB	2.13	0.78
1:M:35:MET:HG2	1:M:40:LEU:HB3	1.65	0.78
1:M:123:TYR:HB2	1:M:304:TYR:N	1.98	0.78
1:N:47:HIS:O	1:N:50:MET:HG2	1.82	0.78
1:N:241:LEU:HD13	1:N:261:LYS:HE2	1.63	0.78
1:N:309:PRO:HA	1:N:312:LEU:CD1	2.09	0.78
1:N:543:LEU:O	1:N:547:PRO:HD2	1.84	0.78
1:O:19:PHE:CE1	1:O:88:LEU:HD21	2.18	0.78
1:O:44:GLU:O	1:O:48:ILE:HD12	1.83	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:113:LEU:HD22	1:O:166:LEU:CD1	2.13	0.78
1:O:411:VAL:O	1:O:427:LEU:HD12	1.82	0.78
1:P:376:PRO:HG2	1:P:470:HIS:CG	2.18	0.78
1:A:35:MET:HG2	1:A:40:LEU:CB	2.13	0.78
1:A:55:VAL:HG11	1:A:132:LEU:HD11	1.64	0.78
1:A:123:TYR:HB2	1:A:304:TYR:N	1.98	0.78
1:B:15:ILE:HD11	1:B:88:LEU:HD12	1.65	0.78
1:B:142:ARG:HB2	1:B:143:PRO:HD3	1.62	0.78
1:C:123:TYR:HB2	1:C:304:TYR:N	1.98	0.78
1:C:180:TRP:O	1:C:181:LEU:HD23	1.83	0.78
1:F:87:PHE:HB2	1:N:19:PHE:HE2	1.46	0.78
1:G:19:PHE:CE1	1:G:88:LEU:HD21	2.18	0.78
1:G:44:GLU:O	1:G:48:ILE:HD12	1.83	0.78
1:G:113:LEU:HD22	1:G:166:LEU:CD1	2.13	0.78
1:G:123:TYR:HB2	1:G:304:TYR:N	1.98	0.78
1:G:491:PHE:HB3	1:G:576:GLU:HG2	1.63	0.78
1:G:525:LYS:O	1:G:528:ILE:HD12	1.82	0.78
1:H:7:GLU:CG	1:H:107:ILE:HD13	2.13	0.78
1:I:301:LEU:HD22	1:I:324:LEU:HD21	1.64	0.78
1:J:179:PHE:HB2	1:J:242:LEU:CD2	2.12	0.78
1:J:361:GLU:HG3	1:J:365:TYR:CD1	2.17	0.78
1:K:106:TYR:CE2	1:K:169:LYS:HD2	2.17	0.78
1:K:180:TRP:O	1:K:181:LEU:HD23	1.83	0.78
1:K:491:PHE:HB3	1:K:576:GLU:HG2	1.63	0.78
1:M:388:LEU:HD11	1:M:449:ILE:HG13	1.63	0.78
1:O:35:MET:HG2	1:O:40:LEU:CB	2.13	0.78
1:O:525:LYS:O	1:O:528:ILE:HD12	1.82	0.78
1:A:388:LEU:HD11	1:A:449:ILE:HG13	1.63	0.78
1:A:543:LEU:O	1:A:547:PRO:HD2	1.84	0.78
1:C:491:PHE:HB3	1:C:576:GLU:HG2	1.63	0.78
1:C:562:LEU:HD23	1:C:1036:UNK:O	1.83	0.78
1:E:301:LEU:HD22	1:E:324:LEU:HD21	1.64	0.78
1:F:278:ALA:HA	1:G:119:VAL:HG23	1.66	0.78
1:F:376:PRO:HG2	1:F:470:HIS:CG	2.18	0.78
1:G:1:MET:SD	1:G:73:VAL:HB	2.23	0.78
1:G:35:MET:HG2	1:G:40:LEU:CB	2.13	0.78
1:G:55:VAL:HG11	1:G:132:LEU:HD11	1.64	0.78
1:G:301:LEU:HD22	1:G:324:LEU:HD21	1.64	0.78
1:H:35:MET:HG2	1:H:40:LEU:CB	2.13	0.78
1:H:47:HIS:O	1:H:50:MET:HG2	1.82	0.78
1:H:241:LEU:HD13	1:H:261:LYS:HE2	1.63	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:40:LEU:HD22	1:J:48:ILE:CD1	2.10	0.78
1:J:241:LEU:HD13	1:J:261:LYS:HE2	1.63	0.78
1:K:123:TYR:HB2	1:K:304:TYR:N	1.98	0.78
1:L:15:ILE:HD11	1:L:88:LEU:HD12	1.65	0.78
1:L:132:LEU:HA	1:L:135:ARG:CD	2.13	0.78
1:L:429:LEU:HA	1:L:432:LYS:CE	2.13	0.78
1:M:301:LEU:HD22	1:M:324:LEU:HD21	1.64	0.78
1:M:543:LEU:O	1:M:547:PRO:HD2	1.84	0.78
1:N:7:GLU:CG	1:N:107:ILE:HD13	2.13	0.78
1:N:15:ILE:HD11	1:N:88:LEU:HD12	1.65	0.78
1:N:19:PHE:CE1	1:N:88:LEU:HD21	2.18	0.78
1:N:35:MET:HG2	1:N:40:LEU:CB	2.13	0.78
1:N:301:LEU:HD22	1:N:324:LEU:HD21	1.64	0.78
1:O:1:MET:SD	1:O:73:VAL:HB	2.23	0.78
1:O:123:TYR:HB2	1:O:304:TYR:N	1.98	0.78
1:O:475:LEU:HA	1:O:478:ILE:HG12	1.63	0.78
1:O:491:PHE:HB3	1:O:576:GLU:HG2	1.63	0.78
1:O:562:LEU:HD23	1:O:1036:UNK:O	1.83	0.78
1:P:525:LYS:O	1:P:528:ILE:HD12	1.82	0.78
1:B:35:MET:HG2	1:B:40:LEU:HB3	1.65	0.78
1:B:132:LEU:HA	1:B:135:ARG:CD	2.13	0.78
1:D:35:MET:HG2	1:D:40:LEU:HB3	1.65	0.78
1:D:376:PRO:HG2	1:D:470:HIS:CG	2.18	0.78
1:D:525:LYS:O	1:D:528:ILE:HD12	1.82	0.78
1:E:429:LEU:HA	1:E:432:LYS:CE	2.13	0.78
1:F:89:MET:O	1:F:92:ILE:HG22	1.84	0.78
1:G:543:LEU:O	1:G:547:PRO:HD2	1.84	0.78
1:G:562:LEU:HD23	1:G:1036:UNK:O	1.83	0.78
1:H:15:ILE:HD11	1:H:88:LEU:HD12	1.65	0.78
1:H:19:PHE:CE1	1:H:88:LEU:HD21	2.18	0.78
1:H:19:PHE:HE2	1:P:87:PHE:HB2	1.46	0.78
1:I:429:LEU:HA	1:I:432:LYS:CE	2.13	0.78
1:J:525:LYS:O	1:J:528:ILE:HD12	1.82	0.78
1:L:35:MET:HG2	1:L:40:LEU:HB3	1.65	0.78
1:L:376:PRO:HG2	1:L:470:HIS:CG	2.18	0.78
1:M:19:PHE:CE1	1:M:88:LEU:HD21	2.18	0.78
1:M:55:VAL:HG11	1:M:132:LEU:HD11	1.64	0.78
1:M:557:LYS:HD2	1:M:558:TYR:H	1.47	0.78
1:M:601:UNK:C	1:M:601:UNK:CB	2.62	0.78
1:O:55:VAL:HG11	1:O:132:LEU:HD11	1.64	0.78
1:O:119:VAL:HG23	1:P:278:ALA:HA	1.66	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:301:LEU:HD22	1:O:324:LEU:HD21	1.64	0.78
1:O:543:LEU:O	1:O:547:PRO:HD2	1.84	0.78
1:P:89:MET:O	1:P:92:ILE:HG22	1.84	0.78
1:A:601:UNK:C	1:A:601:UNK:CB	2.62	0.78
1:B:429:LEU:HA	1:B:432:LYS:CE	2.13	0.78
1:C:1:MET:SD	1:C:73:VAL:HB	2.23	0.78
1:C:19:PHE:CE1	1:C:88:LEU:HD21	2.18	0.78
1:C:327:ILE:HG22	1:C:331:ILE:HD13	1.66	0.78
1:C:459:ILE:HD12	1:C:497:LEU:HD12	1.66	0.78
1:D:459:ILE:HD12	1:D:497:LEU:HD12	1.66	0.78
1:E:459:ILE:HD12	1:E:497:LEU:HD12	1.66	0.78
1:I:459:ILE:HD12	1:I:497:LEU:HD12	1.66	0.78
1:J:35:MET:HG2	1:J:40:LEU:HB3	1.65	0.78
1:J:459:ILE:HD12	1:J:497:LEU:HD12	1.66	0.78
1:K:1:MET:SD	1:K:73:VAL:HB	2.23	0.78
1:K:562:LEU:HD23	1:K:1036:UNK:O	1.83	0.78
1:L:113:LEU:HD22	1:L:166:LEU:CD1	2.13	0.78
1:P:557:LYS:HD2	1:P:558:TYR:H	1.47	0.78
1:A:19:PHE:CE1	1:A:88:LEU:HD21	2.18	0.78
1:A:286:ASP:CB	1:A:288:HIS:HB3	2.14	0.78
1:A:301:LEU:HD22	1:A:324:LEU:HD21	1.64	0.78
1:A:557:LYS:HD2	1:A:558:TYR:H	1.47	0.78
1:B:113:LEU:HD22	1:B:166:LEU:CD1	2.13	0.78
1:B:376:PRO:HG2	1:B:470:HIS:CG	2.18	0.78
1:C:309:PRO:HA	1:C:312:LEU:CD1	2.09	0.78
1:F:1:MET:SD	1:F:73:VAL:HB	2.23	0.78
1:G:180:TRP:O	1:G:181:LEU:HD23	1.83	0.78
1:G:475:LEU:HA	1:G:478:ILE:HG12	1.63	0.78
1:J:376:PRO:HG2	1:J:470:HIS:CG	2.18	0.78
1:K:327:ILE:HG22	1:K:331:ILE:HD13	1.65	0.78
1:K:459:ILE:HD12	1:K:497:LEU:HD12	1.66	0.78
1:L:7:GLU:CG	1:L:107:ILE:HD13	2.13	0.78
1:L:179:PHE:HB2	1:L:242:LEU:CD2	2.12	0.78
1:M:286:ASP:CB	1:M:288:HIS:HB3	2.14	0.78
1:N:376:PRO:HG2	1:N:470:HIS:CG	2.18	0.78
1:P:1:MET:SD	1:P:73:VAL:HB	2.23	0.78
1:P:153:LEU:HD23	1:P:322:ARG:CD	2.12	0.78
1:A:491:PHE:HB3	1:A:576:GLU:HG2	1.63	0.78
1:B:7:GLU:CG	1:B:107:ILE:HD13	2.13	0.78
1:B:179:PHE:HB2	1:B:242:LEU:CD2	2.12	0.78
1:C:44:GLU:O	1:C:48:ILE:HD12	1.83	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:89:MET:O	1:D:92:ILE:HG22	1.84	0.78
1:E:493:ASP:O	1:E:496:PHE:HB3	1.84	0.78
1:F:40:LEU:HD11	1:F:64:THR:CB	2.12	0.78
1:H:1:MET:SD	1:H:73:VAL:HB	2.23	0.78
1:H:601:UNK:C	1:H:601:UNK:CB	2.62	0.78
1:I:493:ASP:O	1:I:496:PHE:HB3	1.84	0.78
1:K:19:PHE:CE1	1:K:88:LEU:HD21	2.18	0.78
1:K:44:GLU:O	1:K:48:ILE:HD12	1.83	0.78
1:K:119:VAL:HG23	1:L:278:ALA:HA	1.66	0.78
1:K:129:GLN:HB2	1:K:130:PRO:HD3	1.65	0.78
1:L:241:LEU:HD13	1:L:261:LYS:HE2	1.63	0.78
1:M:562:LEU:HD23	1:M:1036:UNK:O	1.83	0.78
1:N:1:MET:SD	1:N:73:VAL:HB	2.23	0.78
1:N:449:ILE:HG23	1:N:450:PRO:CD	2.14	0.78
1:O:180:TRP:O	1:O:181:LEU:HD23	1.83	0.78
1:P:429:LEU:HA	1:P:432:LYS:CE	2.13	0.78
1:P:459:ILE:HD12	1:P:497:LEU:HD12	1.66	0.78
1:A:15:ILE:HD11	1:A:88:LEU:HD12	1.65	0.78
1:A:84:ASN:HA	1:A:89:MET:HE1	1.66	0.78
1:A:493:ASP:O	1:A:496:PHE:HB3	1.84	0.78
1:A:562:LEU:HD23	1:A:1036:UNK:O	1.83	0.78
1:B:278:ALA:HA	1:C:119:VAL:HG23	1.66	0.78
1:C:129:GLN:HB2	1:C:130:PRO:HD3	1.65	0.78
1:D:538:LEU:HD11	1:D:572:ALA:HB3	1.64	0.78
1:E:87:PHE:HB2	1:M:19:PHE:HE2	1.46	0.78
1:F:153:LEU:HD23	1:F:322:ARG:CD	2.12	0.78
1:F:286:ASP:CB	1:F:288:HIS:HB3	2.14	0.78
1:F:459:ILE:HD12	1:F:497:LEU:HD12	1.66	0.78
1:F:557:LYS:HD2	1:F:558:TYR:H	1.47	0.78
1:G:87:PHE:HB2	1:O:19:PHE:HE2	1.46	0.78
1:G:488:ARG:HD2	1:G:494:PHE:CB	2.12	0.78
1:G:493:ASP:O	1:G:496:PHE:HB3	1.84	0.78
1:H:449:ILE:HG23	1:H:450:PRO:CD	2.14	0.78
1:H:493:ASP:O	1:H:496:PHE:HB3	1.84	0.78
1:H:562:LEU:HD23	1:H:1036:UNK:O	1.83	0.78
1:J:89:MET:O	1:J:92:ILE:HG22	1.84	0.78
1:J:113:LEU:HD22	1:J:166:LEU:CD1	2.13	0.78
1:K:577:ALA:O	1:K:581:VAL:HG12	1.84	0.78
1:N:562:LEU:HD23	1:N:1036:UNK:O	1.83	0.78
1:N:601:UNK:C	1:N:601:UNK:CB	2.62	0.78
1:O:84:ASN:HA	1:O:89:MET:HE1	1.66	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:40:LEU:HD11	1:P:64:THR:CB	2.12	0.78
1:P:286:ASP:CB	1:P:288:HIS:HB3	2.14	0.78
1:P:601:UNK:C	1:P:601:UNK:CB	2.62	0.78
1:A:483:ARG:HD3	1:A:531:ASN:ND2	1.99	0.77
1:B:65:LEU:HD12	1:B:72:MET:SD	2.25	0.77
1:B:241:LEU:HD13	1:B:261:LYS:HE2	1.63	0.77
1:B:459:ILE:HD12	1:B:497:LEU:HD12	1.66	0.77
1:B:493:ASP:O	1:B:496:PHE:HB3	1.84	0.77
1:C:35:MET:HG2	1:C:40:LEU:CB	2.13	0.77
1:C:577:ALA:O	1:C:581:VAL:HG12	1.85	0.77
1:D:577:ALA:O	1:D:581:VAL:HG12	1.85	0.77
1:E:369:PHE:HE1	1:E:427:LEU:HD11	1.46	0.77
1:F:129:GLN:HB2	1:F:130:PRO:HD3	1.65	0.77
1:F:429:LEU:HA	1:F:432:LYS:CE	2.13	0.77
1:F:601:UNK:C	1:F:601:UNK:CB	2.62	0.77
1:H:376:PRO:HG2	1:H:470:HIS:CG	2.18	0.77
1:I:40:LEU:HD11	1:I:64:THR:CB	2.12	0.77
1:I:369:PHE:HE1	1:I:427:LEU:HD11	1.46	0.77
1:J:538:LEU:HD11	1:J:572:ALA:HB3	1.64	0.77
1:J:601:UNK:C	1:J:601:UNK:CB	2.62	0.77
1:K:309:PRO:HA	1:K:312:LEU:CD1	2.09	0.77
1:L:493:ASP:O	1:L:496:PHE:HB3	1.84	0.77
1:M:15:ILE:HD11	1:M:88:LEU:HD12	1.65	0.77
1:M:44:GLU:O	1:M:48:ILE:HD12	1.83	0.77
1:M:483:ARG:HD3	1:M:531:ASN:ND2	1.99	0.77
1:M:493:ASP:O	1:M:496:PHE:HB3	1.84	0.77
1:N:493:ASP:O	1:N:496:PHE:HB3	1.84	0.77
1:O:493:ASP:O	1:O:496:PHE:HB3	1.84	0.77
1:A:19:PHE:HE2	1:I:87:PHE:HB2	1.46	0.77
1:A:129:GLN:HB2	1:A:130:PRO:HD3	1.65	0.77
1:B:55:VAL:HG11	1:B:132:LEU:HD11	1.64	0.77
1:B:543:LEU:O	1:B:547:PRO:HD2	1.84	0.77
1:D:113:LEU:HD22	1:D:166:LEU:CD1	2.13	0.77
1:D:309:PRO:HA	1:D:312:LEU:CD1	2.09	0.77
1:D:557:LYS:HD2	1:D:558:TYR:H	1.47	0.77
1:D:601:UNK:C	1:D:601:UNK:CB	2.62	0.77
1:E:40:LEU:HD11	1:E:64:THR:CB	2.12	0.77
1:F:446:HIS:O	1:F:450:PRO:HD2	1.85	0.77
1:G:19:PHE:HE2	1:O:87:PHE:HB2	1.46	0.77
1:G:286:ASP:CB	1:G:288:HIS:HB3	2.14	0.77
1:H:125:VAL:HG23	1:H:296:GLU:HG3	1.67	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:429:LEU:HA	1:J:432:LYS:CE	2.13	0.77
1:J:577:ALA:O	1:J:581:VAL:HG12	1.85	0.77
1:K:144:ALA:HA	1:K:261:LYS:HB3	1.66	0.77
1:K:601:UNK:C	1:K:601:UNK:CB	2.62	0.77
1:L:483:ARG:HD3	1:L:531:ASN:ND2	1.99	0.77
1:L:543:LEU:O	1:L:547:PRO:HD2	1.84	0.77
1:M:84:ASN:HA	1:M:89:MET:HE1	1.66	0.77
1:M:129:GLN:HB2	1:M:130:PRO:HD3	1.65	0.77
1:M:491:PHE:HB3	1:M:576:GLU:HG2	1.63	0.77
1:N:125:VAL:HG23	1:N:296:GLU:HG3	1.67	0.77
1:N:446:HIS:O	1:N:450:PRO:HD2	1.85	0.77
1:O:488:ARG:HD2	1:O:494:PHE:CB	2.12	0.77
1:P:449:ILE:HG23	1:P:450:PRO:CD	2.14	0.77
1:A:44:GLU:O	1:A:48:ILE:HD12	1.83	0.77
1:A:125:VAL:HG23	1:A:296:GLU:CG	2.14	0.77
1:B:483:ARG:HD3	1:B:531:ASN:ND2	1.99	0.77
1:B:601:UNK:C	1:B:601:UNK:CB	2.62	0.77
1:C:113:LEU:CB	1:C:166:LEU:HD11	2.15	0.77
1:C:144:ALA:HA	1:C:261:LYS:HB3	1.66	0.77
1:C:601:UNK:C	1:C:601:UNK:CB	2.62	0.77
1:D:1:MET:SD	1:D:73:VAL:HB	2.23	0.77
1:E:125:VAL:HG23	1:E:296:GLU:HG3	1.67	0.77
1:F:449:ILE:HG23	1:F:450:PRO:CD	2.14	0.77
1:F:493:ASP:O	1:F:496:PHE:HB3	1.84	0.77
1:H:125:VAL:HG23	1:H:296:GLU:CG	2.14	0.77
1:H:446:HIS:O	1:H:450:PRO:HD2	1.85	0.77
1:I:488:ARG:HD2	1:I:494:PHE:CB	2.12	0.77
1:J:1:MET:SD	1:J:73:VAL:HB	2.23	0.77
1:J:309:PRO:HA	1:J:312:LEU:CD1	2.09	0.77
1:K:35:MET:HG2	1:K:40:LEU:CB	2.13	0.77
1:K:35:MET:HG2	1:K:40:LEU:HB3	1.65	0.77
1:K:113:LEU:CB	1:K:166:LEU:HD11	2.15	0.77
1:K:483:ARG:HD3	1:K:531:ASN:ND2	1.99	0.77
1:L:55:VAL:HG11	1:L:132:LEU:HD11	1.64	0.77
1:L:65:LEU:HD12	1:L:72:MET:SD	2.25	0.77
1:L:327:ILE:HG22	1:L:331:ILE:HD13	1.65	0.77
1:L:379:ALA:O	1:L:381:ILE:HG23	1.85	0.77
1:L:449:ILE:HG23	1:L:450:PRO:CD	2.14	0.77
1:L:459:ILE:HD12	1:L:497:LEU:HD12	1.66	0.77
1:L:557:LYS:HD2	1:L:558:TYR:H	1.47	0.77
1:M:132:LEU:HA	1:M:135:ARG:CD	2.13	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:129:GLN:HB2	1:P:130:PRO:HD3	1.65	0.77
1:P:446:HIS:O	1:P:450:PRO:HD2	1.85	0.77
1:A:19:PHE:CD2	1:A:88:LEU:HD11	2.20	0.77
1:A:132:LEU:HA	1:A:135:ARG:CD	2.13	0.77
1:A:446:HIS:O	1:A:450:PRO:HD2	1.85	0.77
1:B:253:TRP:CE3	1:B:264:LEU:HD22	2.19	0.77
1:B:379:ALA:O	1:B:381:ILE:HG23	1.85	0.77
1:B:449:ILE:HG23	1:B:450:PRO:CD	2.14	0.77
1:C:35:MET:HG2	1:C:40:LEU:HB3	1.65	0.77
1:C:161:ALA:O	1:C:164:VAL:HG12	1.85	0.77
1:C:286:ASP:CB	1:C:288:HIS:HB3	2.14	0.77
1:D:278:ALA:HA	1:E:119:VAL:HG23	1.66	0.77
1:D:429:LEU:HA	1:D:432:LYS:CE	2.13	0.77
1:E:601:UNK:C	1:E:601:UNK:CB	2.62	0.77
1:F:87:PHE:CD1	1:N:19:PHE:HE2	2.03	0.77
1:F:113:LEU:CB	1:F:166:LEU:HD11	2.15	0.77
1:F:543:LEU:O	1:F:547:PRO:HD2	1.84	0.77
1:F:562:LEU:HD23	1:F:1036:UNK:O	1.83	0.77
1:G:161:ALA:O	1:G:164:VAL:HG12	1.85	0.77
1:H:161:ALA:O	1:H:164:VAL:HG12	1.85	0.77
1:H:369:PHE:HE1	1:H:427:LEU:HD11	1.46	0.77
1:I:125:VAL:HG23	1:I:296:GLU:HG3	1.67	0.77
1:I:298:LYS:HZ2	1:I:316:VAL:HA	1.48	0.77
1:J:557:LYS:HD2	1:J:558:TYR:H	1.47	0.77
1:K:89:MET:O	1:K:92:ILE:HG22	1.84	0.77
1:K:286:ASP:CB	1:K:288:HIS:HB3	2.14	0.77
1:L:253:TRP:CE3	1:L:264:LEU:HD22	2.19	0.77
1:L:446:HIS:O	1:L:450:PRO:HD2	1.85	0.77
1:L:601:UNK:C	1:L:601:UNK:CB	2.62	0.77
1:M:125:VAL:HG23	1:M:296:GLU:CG	2.14	0.77
1:M:125:VAL:HG23	1:M:296:GLU:HG3	1.67	0.77
1:M:446:HIS:O	1:M:450:PRO:HD2	1.85	0.77
1:N:125:VAL:HG23	1:N:296:GLU:CG	2.14	0.77
1:N:161:ALA:O	1:N:164:VAL:HG12	1.85	0.77
1:O:286:ASP:CB	1:O:288:HIS:HB3	2.14	0.77
1:O:327:ILE:HG22	1:O:331:ILE:HD13	1.65	0.77
1:O:449:ILE:HG23	1:O:450:PRO:CD	2.14	0.77
1:P:493:ASP:O	1:P:496:PHE:HB3	1.84	0.77
1:P:543:LEU:O	1:P:547:PRO:HD2	1.84	0.77
1:A:125:VAL:HG23	1:A:296:GLU:HG3	1.67	0.77
1:A:278:ALA:HA	1:B:119:VAL:HG23	1.66	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:19:PHE:CE1	1:B:88:LEU:HD21	2.18	0.77
1:B:125:VAL:HG23	1:B:296:GLU:CG	2.14	0.77
1:B:144:ALA:HA	1:B:261:LYS:HB3	1.66	0.77
1:B:327:ILE:HG22	1:B:331:ILE:HD13	1.65	0.77
1:B:446:HIS:O	1:B:450:PRO:HD2	1.85	0.77
1:B:557:LYS:HD2	1:B:558:TYR:H	1.47	0.77
1:C:89:MET:O	1:C:92:ILE:HG22	1.84	0.77
1:C:483:ARG:HD3	1:C:531:ASN:ND2	1.99	0.77
1:D:369:PHE:HE1	1:D:427:LEU:HD11	1.46	0.77
1:E:488:ARG:HD2	1:E:494:PHE:CB	2.12	0.77
1:G:144:ALA:HA	1:G:261:LYS:HB3	1.66	0.77
1:G:327:ILE:HG22	1:G:331:ILE:HD13	1.66	0.77
1:G:446:HIS:O	1:G:450:PRO:HD2	1.85	0.77
1:G:449:ILE:HG23	1:G:450:PRO:CD	2.14	0.77
1:H:19:PHE:HE2	1:P:87:PHE:CD1	2.03	0.77
1:H:129:GLN:HB2	1:H:130:PRO:HD3	1.65	0.77
1:H:132:LEU:HA	1:H:135:ARG:CD	2.13	0.77
1:I:113:LEU:CB	1:I:166:LEU:HD11	2.15	0.77
1:I:119:VAL:HG23	1:J:278:ALA:HA	1.66	0.77
1:I:278:ALA:HA	1:P:119:VAL:HG23	1.66	0.77
1:I:601:UNK:C	1:I:601:UNK:CB	2.62	0.77
1:J:483:ARG:HD3	1:J:531:ASN:ND2	1.99	0.77
1:K:161:ALA:O	1:K:164:VAL:HG12	1.85	0.77
1:K:493:ASP:O	1:K:496:PHE:HB3	1.84	0.77
1:L:19:PHE:CE1	1:L:88:LEU:HD21	2.18	0.77
1:L:144:ALA:HA	1:L:261:LYS:HB3	1.66	0.77
1:M:19:PHE:CD2	1:M:88:LEU:HD11	2.20	0.77
1:N:129:GLN:HB2	1:N:130:PRO:HD3	1.65	0.77
1:O:161:ALA:O	1:O:164:VAL:HG12	1.85	0.77
1:O:446:HIS:O	1:O:450:PRO:HD2	1.85	0.77
1:P:113:LEU:CB	1:P:166:LEU:HD11	2.15	0.77
1:P:144:ALA:HA	1:P:261:LYS:HB3	1.66	0.77
1:P:253:TRP:CE3	1:P:264:LEU:HD22	2.19	0.77
1:A:286:ASP:HB3	1:A:288:HIS:CB	2.15	0.77
1:B:161:ALA:O	1:B:164:VAL:HG12	1.85	0.77
1:C:125:VAL:HG23	1:C:296:GLU:CG	2.14	0.77
1:E:19:PHE:HZ	1:M:87:PHE:HB2	1.48	0.77
1:E:113:LEU:CB	1:E:166:LEU:HD11	2.15	0.77
1:E:152:VAL:HG21	1:E:410:LEU:HD11	1.67	0.77
1:E:298:LYS:HZ2	1:E:316:VAL:HA	1.48	0.77
1:F:19:PHE:CD2	1:F:88:LEU:HD11	2.20	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:84:ASN:HA	1:F:89:MET:HE1	1.67	0.77
1:F:577:ALA:O	1:F:581:VAL:HG12	1.85	0.77
1:G:125:VAL:HG23	1:G:296:GLU:HG3	1.67	0.77
1:G:459:ILE:HD12	1:G:497:LEU:HD12	1.66	0.77
1:H:127:ARG:CB	1:H:292:LEU:HD22	2.15	0.77
1:H:196:LEU:HD22	1:H:224:ILE:HG21	1.67	0.77
1:H:253:TRP:CE3	1:H:264:LEU:HD22	2.19	0.77
1:H:483:ARG:HD3	1:H:531:ASN:ND2	1.99	0.77
1:I:19:PHE:CD2	1:I:88:LEU:HD11	2.20	0.77
1:J:125:VAL:HG23	1:J:296:GLU:HG3	1.67	0.77
1:K:65:LEU:HD12	1:K:72:MET:SD	2.24	0.77
1:K:125:VAL:HG23	1:K:296:GLU:CG	2.14	0.77
1:K:253:TRP:CE3	1:K:264:LEU:HD22	2.19	0.77
1:K:357:LEU:CG	1:K:366:ARG:HD3	2.15	0.77
1:K:557:LYS:HD2	1:K:558:TYR:H	1.47	0.77
1:L:125:VAL:HG23	1:L:296:GLU:CG	2.14	0.77
1:L:161:ALA:O	1:L:164:VAL:HG12	1.85	0.77
1:N:119:VAL:HG23	1:O:278:ALA:HA	1.66	0.77
1:N:123:TYR:HB2	1:N:304:TYR:N	1.98	0.77
1:N:127:ARG:CB	1:N:292:LEU:HD22	2.15	0.77
1:N:132:LEU:HA	1:N:135:ARG:CD	2.13	0.77
1:N:180:TRP:O	1:N:181:LEU:HD23	1.84	0.77
1:N:196:LEU:HD22	1:N:224:ILE:HG21	1.67	0.77
1:N:286:ASP:CB	1:N:288:HIS:HB3	2.14	0.77
1:N:483:ARG:HD3	1:N:531:ASN:ND2	1.99	0.77
1:O:144:ALA:HA	1:O:261:LYS:HB3	1.66	0.77
1:P:19:PHE:CD2	1:P:88:LEU:HD11	2.20	0.77
1:P:180:TRP:O	1:P:181:LEU:HD23	1.84	0.77
1:P:562:LEU:HD23	1:P:1036:UNK:O	1.83	0.77
1:P:577:ALA:O	1:P:581:VAL:HG12	1.85	0.77
1:A:87:PHE:HB2	1:I:19:PHE:HZ	1.48	0.77
1:A:449:ILE:HG23	1:A:450:PRO:CD	2.14	0.77
1:B:577:ALA:O	1:B:581:VAL:HG12	1.85	0.77
1:C:65:LEU:HD12	1:C:72:MET:SD	2.25	0.77
1:C:253:TRP:CE3	1:C:264:LEU:HD22	2.19	0.77
1:C:379:ALA:O	1:C:381:ILE:HG23	1.85	0.77
1:C:493:ASP:O	1:C:496:PHE:HB3	1.84	0.77
1:D:253:TRP:CE3	1:D:264:LEU:HD22	2.19	0.77
1:E:19:PHE:CD2	1:E:88:LEU:HD11	2.20	0.77
1:E:278:ALA:HA	1:F:119:VAL:HG23	1.66	0.77
1:F:144:ALA:HA	1:F:261:LYS:HB3	1.66	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:156:GLY:O	1:F:160:VAL:HG23	1.85	0.77
1:F:253:TRP:CE3	1:F:264:LEU:HD22	2.19	0.77
1:G:87:PHE:HB2	1:O:19:PHE:HZ	1.48	0.77
1:H:123:TYR:HB2	1:H:304:TYR:N	1.98	0.77
1:H:180:TRP:O	1:H:181:LEU:HD23	1.84	0.77
1:H:286:ASP:CB	1:H:288:HIS:HB3	2.14	0.77
1:H:459:ILE:HD12	1:H:497:LEU:HD12	1.66	0.77
1:H:554:ILE:H	1:H:554:ILE:HD12	1.50	0.77
1:I:152:VAL:HG21	1:I:410:LEU:HD11	1.67	0.77
1:I:253:TRP:CE3	1:I:264:LEU:HD22	2.19	0.77
1:I:449:ILE:HG23	1:I:450:PRO:CD	2.14	0.77
1:I:483:ARG:HD3	1:I:531:ASN:ND2	1.99	0.77
1:J:327:ILE:HG22	1:J:331:ILE:HD13	1.65	0.77
1:K:125:VAL:HG23	1:K:296:GLU:HG3	1.67	0.77
1:K:379:ALA:O	1:K:381:ILE:HG23	1.85	0.77
1:L:119:VAL:HG23	1:M:278:ALA:HA	1.66	0.77
1:L:196:LEU:HD22	1:L:224:ILE:HG21	1.67	0.77
1:M:89:MET:O	1:M:92:ILE:HG22	1.84	0.77
1:M:196:LEU:HD22	1:M:224:ILE:HG21	1.67	0.77
1:M:286:ASP:HB3	1:M:288:HIS:CB	2.15	0.77
1:M:577:ALA:O	1:M:581:VAL:HG12	1.84	0.77
1:N:253:TRP:CE3	1:N:264:LEU:HD22	2.19	0.77
1:N:554:ILE:H	1:N:554:ILE:HD12	1.50	0.77
1:O:459:ILE:HD12	1:O:497:LEU:HD12	1.66	0.77
1:P:125:VAL:HG23	1:P:296:GLU:HG3	1.67	0.77
1:P:156:GLY:O	1:P:160:VAL:HG23	1.85	0.77
1:P:483:ARG:HD3	1:P:531:ASN:ND2	1.99	0.77
1:A:196:LEU:HD22	1:A:224:ILE:HG21	1.67	0.77
1:A:253:TRP:CE3	1:A:264:LEU:HD22	2.19	0.77
1:A:577:ALA:O	1:A:581:VAL:HG12	1.85	0.77
1:B:129:GLN:HB2	1:B:130:PRO:HD3	1.65	0.77
1:B:196:LEU:HD22	1:B:224:ILE:HG21	1.67	0.77
1:C:125:VAL:HG23	1:C:296:GLU:HG3	1.67	0.77
1:C:148:LEU:HD23	1:C:282:HIS:CE1	2.20	0.77
1:C:357:LEU:CG	1:C:366:ARG:HD3	2.15	0.77
1:D:84:ASN:HA	1:D:89:MET:HE1	1.67	0.77
1:D:113:LEU:CB	1:D:166:LEU:HD11	2.15	0.77
1:D:123:TYR:HB2	1:D:304:TYR:N	1.98	0.77
1:D:125:VAL:HG23	1:D:296:GLU:HG3	1.67	0.77
1:D:180:TRP:O	1:D:181:LEU:HD23	1.84	0.77
1:D:277:ALA:O	1:E:119:VAL:CA	1.78	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:343:HIS:O	1:D:344:VAL:HG12	1.85	0.77
1:D:483:ARG:HD3	1:D:531:ASN:ND2	1.99	0.77
1:D:493:ASP:O	1:D:496:PHE:HB3	1.84	0.77
1:E:253:TRP:CE3	1:E:264:LEU:HD22	2.19	0.77
1:E:286:ASP:CB	1:E:288:HIS:HB3	2.14	0.77
1:E:327:ILE:HG22	1:E:331:ILE:HD13	1.66	0.77
1:E:446:HIS:O	1:E:450:PRO:HD2	1.85	0.77
1:F:125:VAL:HG23	1:F:296:GLU:HG3	1.67	0.77
1:F:362:PRO:HA	1:F:366:ARG:CB	2.15	0.77
1:G:19:PHE:HE2	1:O:87:PHE:CD1	2.03	0.77
1:G:19:PHE:HZ	1:O:87:PHE:HB2	1.48	0.77
1:G:483:ARG:HD3	1:G:531:ASN:ND2	1.99	0.77
1:H:65:LEU:HD12	1:H:72:MET:SD	2.25	0.77
1:H:369:PHE:CZ	1:H:427:LEU:HD21	2.20	0.77
1:H:379:ALA:O	1:H:381:ILE:HG23	1.85	0.77
1:I:89:MET:O	1:I:92:ILE:HG22	1.84	0.77
1:J:113:LEU:CB	1:J:166:LEU:HD11	2.15	0.77
1:J:123:TYR:HB2	1:J:304:TYR:N	1.98	0.77
1:J:144:ALA:HA	1:J:261:LYS:HB3	1.66	0.77
1:J:253:TRP:CE3	1:J:264:LEU:HD22	2.19	0.77
1:J:343:HIS:O	1:J:344:VAL:HG12	1.85	0.77
1:K:127:ARG:HG2	1:K:292:LEU:CD1	2.15	0.77
1:K:449:ILE:HG23	1:K:450:PRO:CD	2.14	0.77
1:L:125:VAL:HG23	1:L:296:GLU:HG3	1.67	0.77
1:L:129:GLN:HB2	1:L:130:PRO:HD3	1.65	0.77
1:L:577:ALA:O	1:L:581:VAL:HG12	1.85	0.77
1:M:180:TRP:O	1:M:181:LEU:HD23	1.83	0.77
1:M:449:ILE:HG23	1:M:450:PRO:CD	2.14	0.77
1:N:19:PHE:CD2	1:N:88:LEU:HD11	2.20	0.77
1:N:369:PHE:CZ	1:N:427:LEU:HD21	2.20	0.77
1:N:369:PHE:HE1	1:N:427:LEU:HD11	1.46	0.77
1:N:459:ILE:HD12	1:N:497:LEU:HD12	1.66	0.77
1:O:125:VAL:HG23	1:O:296:GLU:HG3	1.67	0.77
1:O:127:ARG:CB	1:O:292:LEU:HD22	2.15	0.77
1:P:32:VAL:CA	1:P:45:ILE:HD13	2.15	0.77
1:P:362:PRO:HA	1:P:366:ARG:CB	2.15	0.77
1:A:89:MET:O	1:A:92:ILE:HG22	1.84	0.77
1:B:125:VAL:HG23	1:B:296:GLU:HG3	1.67	0.77
1:B:517:THR:HG23	1:B:546:LEU:HD21	1.67	0.77
1:C:127:ARG:HG2	1:C:292:LEU:CD1	2.15	0.77
1:C:156:GLY:O	1:C:160:VAL:HG23	1.85	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:557:LYS:HD2	1:C:558:TYR:H	1.47	0.77
1:D:65:LEU:HD12	1:D:72:MET:SD	2.25	0.77
1:D:124:ASN:HA	1:D:300:LEU:HB2	1.67	0.77
1:D:144:ALA:HA	1:D:261:LYS:HB3	1.66	0.77
1:D:196:LEU:HD22	1:D:224:ILE:HG21	1.67	0.77
1:D:327:ILE:HG22	1:D:331:ILE:HD13	1.65	0.77
1:D:362:PRO:HA	1:D:366:ARG:CB	2.15	0.77
1:E:148:LEU:HD23	1:E:282:HIS:CE1	2.20	0.77
1:E:179:PHE:HB2	1:E:242:LEU:CD2	2.12	0.77
1:E:369:PHE:CZ	1:E:427:LEU:HD21	2.20	0.77
1:E:449:ILE:HG23	1:E:450:PRO:CD	2.14	0.77
1:E:483:ARG:HD3	1:E:531:ASN:ND2	1.99	0.77
1:E:543:LEU:O	1:E:547:PRO:HD2	1.84	0.77
1:F:12:TYR:O	1:F:16:LEU:HD22	1.85	0.77
1:F:32:VAL:CA	1:F:45:ILE:HD13	2.15	0.77
1:F:180:TRP:O	1:F:181:LEU:HD23	1.84	0.77
1:F:327:ILE:HG22	1:F:331:ILE:HD13	1.65	0.77
1:F:369:PHE:CZ	1:F:427:LEU:HD21	2.20	0.77
1:G:87:PHE:CD1	1:O:19:PHE:HE2	2.03	0.77
1:G:127:ARG:CB	1:G:292:LEU:HD22	2.15	0.77
1:G:278:ALA:HA	1:H:119:VAL:HG23	1.66	0.77
1:G:286:ASP:HB3	1:G:288:HIS:CB	2.15	0.77
1:H:19:PHE:CD2	1:H:88:LEU:HD11	2.20	0.77
1:I:148:LEU:HD23	1:I:282:HIS:CE1	2.20	0.77
1:I:286:ASP:CB	1:I:288:HIS:HB3	2.14	0.77
1:I:327:ILE:HG22	1:I:331:ILE:HD13	1.66	0.77
1:I:446:HIS:O	1:I:450:PRO:HD2	1.85	0.77
1:J:65:LEU:HD12	1:J:72:MET:SD	2.25	0.77
1:J:152:VAL:HG21	1:J:410:LEU:HD11	1.67	0.77
1:J:180:TRP:O	1:J:181:LEU:HD23	1.84	0.77
1:J:362:PRO:HA	1:J:366:ARG:CB	2.15	0.77
1:J:369:PHE:HE1	1:J:427:LEU:HD11	1.46	0.77
1:J:449:ILE:HG23	1:J:450:PRO:CD	2.14	0.77
1:K:38:SER:O	1:K:39:ILE:HD13	1.85	0.77
1:K:148:LEU:HD23	1:K:282:HIS:CE1	2.20	0.77
1:K:156:GLY:O	1:K:160:VAL:HG23	1.85	0.77
1:L:517:THR:HG23	1:L:546:LEU:HD21	1.67	0.77
1:M:253:TRP:CE3	1:M:264:LEU:HD22	2.19	0.77
1:M:369:PHE:CZ	1:M:427:LEU:HD21	2.20	0.77
1:M:459:ILE:HD12	1:M:497:LEU:HD12	1.66	0.77
1:N:65:LEU:HD12	1:N:72:MET:SD	2.25	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:327:ILE:HG22	1:N:331:ILE:HD13	1.65	0.77
1:N:379:ALA:O	1:N:381:ILE:HG23	1.85	0.77
1:O:369:PHE:CZ	1:O:427:LEU:HD21	2.20	0.77
1:O:483:ARG:HD3	1:O:531:ASN:ND2	1.99	0.77
1:P:12:TYR:O	1:P:16:LEU:HD22	1.85	0.77
1:P:369:PHE:CZ	1:P:427:LEU:HD21	2.20	0.77
1:A:19:PHE:HE2	1:I:87:PHE:CD1	2.03	0.77
1:A:127:ARG:CB	1:A:292:LEU:HD22	2.15	0.77
1:A:180:TRP:O	1:A:181:LEU:HD23	1.83	0.77
1:A:459:ILE:HD12	1:A:497:LEU:HD12	1.66	0.77
1:B:475:LEU:HD22	1:B:482:GLU:HB2	1.67	0.77
1:C:38:SER:O	1:C:39:ILE:HD13	1.85	0.77
1:C:449:ILE:HG23	1:C:450:PRO:CD	2.14	0.77
1:C:543:LEU:O	1:C:547:PRO:HD2	1.84	0.77
1:D:152:VAL:HG21	1:D:410:LEU:HD11	1.67	0.77
1:D:161:ALA:O	1:D:164:VAL:HG12	1.85	0.77
1:D:357:LEU:CG	1:D:366:ARG:HD3	2.15	0.77
1:E:89:MET:O	1:E:92:ILE:HG22	1.84	0.77
1:E:127:ARG:HG2	1:E:292:LEU:CD1	2.15	0.77
1:F:286:ASP:HB3	1:F:288:HIS:CB	2.15	0.77
1:F:483:ARG:HD3	1:F:531:ASN:ND2	1.99	0.77
1:G:369:PHE:CZ	1:G:427:LEU:HD21	2.20	0.77
1:G:381:ILE:HG22	1:G:470:HIS:HE2	1.49	0.77
1:H:87:PHE:CD1	1:P:19:PHE:HE2	2.03	0.77
1:H:113:LEU:CB	1:H:166:LEU:HD11	2.15	0.77
1:H:327:ILE:HG22	1:H:331:ILE:HD13	1.65	0.77
1:I:161:ALA:O	1:I:164:VAL:HG12	1.85	0.77
1:I:369:PHE:CZ	1:I:427:LEU:HD21	2.20	0.77
1:I:543:LEU:O	1:I:547:PRO:HD2	1.84	0.77
1:J:84:ASN:HA	1:J:89:MET:HE1	1.67	0.77
1:J:124:ASN:HA	1:J:300:LEU:HB2	1.67	0.77
1:J:196:LEU:HD22	1:J:224:ILE:HG21	1.67	0.77
1:J:286:ASP:CB	1:J:288:HIS:HB3	2.14	0.77
1:J:357:LEU:CG	1:J:366:ARG:HD3	2.15	0.77
1:J:493:ASP:O	1:J:496:PHE:HB3	1.84	0.77
1:K:196:LEU:HD22	1:K:224:ILE:HG21	1.67	0.77
1:K:543:LEU:O	1:K:547:PRO:HD2	1.84	0.77
1:L:475:LEU:HD22	1:L:482:GLU:HB2	1.67	0.77
1:M:127:ARG:CB	1:M:292:LEU:HD22	2.15	0.77
1:N:113:LEU:CB	1:N:166:LEU:HD11	2.15	0.77
1:O:357:LEU:CG	1:O:366:ARG:HD3	2.15	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:577:ALA:O	1:O:581:VAL:HG12	1.84	0.77
1:P:286:ASP:HB3	1:P:288:HIS:CB	2.15	0.77
1:P:327:ILE:HG22	1:P:331:ILE:HD13	1.65	0.77
1:A:87:PHE:CD1	1:I:19:PHE:HE2	2.03	0.76
1:A:369:PHE:CZ	1:A:427:LEU:HD21	2.20	0.76
1:B:19:PHE:CD2	1:B:88:LEU:HD11	2.20	0.76
1:B:180:TRP:O	1:B:181:LEU:HD23	1.84	0.76
1:B:357:LEU:CG	1:B:366:ARG:HD3	2.15	0.76
1:B:554:ILE:H	1:B:554:ILE:HD12	1.50	0.76
1:C:196:LEU:HD22	1:C:224:ILE:HG21	1.67	0.76
1:C:286:ASP:HB3	1:C:288:HIS:CB	2.15	0.76
1:D:449:ILE:HG23	1:D:450:PRO:CD	2.14	0.76
1:E:38:SER:O	1:E:39:ILE:HD13	1.85	0.76
1:E:87:PHE:CD1	1:M:19:PHE:HE2	2.03	0.76
1:E:161:ALA:O	1:E:164:VAL:HG12	1.85	0.76
1:F:19:PHE:HE2	1:N:87:PHE:CD1	2.03	0.76
1:F:381:ILE:HG22	1:F:470:HIS:HE2	1.50	0.76
1:F:510:ALA:H	1:F:647:UNK:C	1.98	0.76
1:G:89:MET:O	1:G:92:ILE:HG22	1.84	0.76
1:G:357:LEU:CG	1:G:366:ARG:HD3	2.15	0.76
1:G:577:ALA:O	1:G:581:VAL:HG12	1.85	0.76
1:H:510:ALA:H	1:H:647:UNK:C	1.98	0.76
1:I:38:SER:O	1:I:39:ILE:HD13	1.85	0.76
1:I:127:ARG:HG2	1:I:292:LEU:CD1	2.15	0.76
1:I:179:PHE:HB2	1:I:242:LEU:CD2	2.12	0.76
1:J:161:ALA:O	1:J:164:VAL:HG12	1.85	0.76
1:K:272:THR:HG23	1:K:282:HIS:CE1	2.20	0.76
1:K:446:HIS:O	1:K:450:PRO:HD2	1.85	0.76
1:K:475:LEU:HD22	1:K:482:GLU:HB2	1.67	0.76
1:L:357:LEU:CG	1:L:366:ARG:HD3	2.15	0.76
1:L:453:PHE:HD2	1:L:461:PRO:HG2	1.51	0.76
1:M:517:THR:HG23	1:M:546:LEU:HD21	1.67	0.76
1:N:510:ALA:H	1:N:647:UNK:C	1.98	0.76
1:O:65:LEU:HD12	1:O:72:MET:SD	2.24	0.76
1:O:286:ASP:HB3	1:O:288:HIS:CB	2.15	0.76
1:O:379:ALA:O	1:O:381:ILE:HG23	1.85	0.76
1:O:381:ILE:HG22	1:O:470:HIS:HE2	1.49	0.76
1:P:38:SER:O	1:P:39:ILE:HD13	1.85	0.76
1:A:153:LEU:H	1:A:153:LEU:HD13	1.51	0.76
1:A:327:ILE:HG22	1:A:331:ILE:HD13	1.66	0.76
1:A:517:THR:HG23	1:A:546:LEU:HD21	1.67	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:PHE:CD1	1:J:19:PHE:HE2	2.03	0.76
1:B:89:MET:O	1:B:92:ILE:HG22	1.84	0.76
1:B:113:LEU:CB	1:B:166:LEU:HD11	2.15	0.76
1:B:453:PHE:HD2	1:B:461:PRO:HG2	1.51	0.76
1:C:475:LEU:HD22	1:C:482:GLU:HB2	1.67	0.76
1:C:510:ALA:H	1:C:647:UNK:C	1.98	0.76
1:C:554:ILE:H	1:C:554:ILE:HD12	1.50	0.76
1:D:87:PHE:CD1	1:L:19:PHE:HE2	2.03	0.76
1:D:286:ASP:CB	1:D:288:HIS:HB3	2.14	0.76
1:D:369:PHE:CZ	1:D:427:LEU:HD21	2.20	0.76
1:E:19:PHE:HE2	1:M:87:PHE:CD1	2.03	0.76
1:E:125:VAL:HG23	1:E:296:GLU:CG	2.14	0.76
1:E:157:LYS:HE2	1:E:265:THR:HB	1.67	0.76
1:F:38:SER:O	1:F:39:ILE:HD13	1.85	0.76
1:F:157:LYS:HE2	1:F:265:THR:HB	1.67	0.76
1:G:65:LEU:HD12	1:G:72:MET:SD	2.25	0.76
1:G:84:ASN:HA	1:G:89:MET:HE1	1.66	0.76
1:G:157:LYS:HE2	1:G:265:THR:HB	1.67	0.76
1:G:253:TRP:CE3	1:G:264:LEU:HD22	2.19	0.76
1:G:272:THR:HG23	1:G:282:HIS:CE1	2.20	0.76
1:G:379:ALA:O	1:G:381:ILE:HG23	1.85	0.76
1:K:286:ASP:HB3	1:K:288:HIS:CB	2.15	0.76
1:L:19:PHE:CD2	1:L:88:LEU:HD11	2.20	0.76
1:L:89:MET:O	1:L:92:ILE:HG22	1.84	0.76
1:L:148:LEU:HD23	1:L:282:HIS:CE1	2.20	0.76
1:L:510:ALA:H	1:L:647:UNK:C	1.98	0.76
1:L:554:ILE:H	1:L:554:ILE:HD12	1.50	0.76
1:M:113:LEU:HD22	1:M:166:LEU:CD1	2.13	0.76
1:M:127:ARG:HG2	1:M:292:LEU:CD1	2.15	0.76
1:M:153:LEU:H	1:M:153:LEU:HD13	1.51	0.76
1:N:38:SER:O	1:N:39:ILE:HD13	1.85	0.76
1:N:144:ALA:HA	1:N:261:LYS:HB3	1.66	0.76
1:O:38:SER:O	1:O:39:ILE:HD13	1.85	0.76
1:O:89:MET:O	1:O:92:ILE:HG22	1.84	0.76
1:P:510:ALA:H	1:P:647:UNK:C	1.98	0.76
1:A:65:LEU:HD12	1:A:72:MET:SD	2.25	0.76
1:A:127:ARG:HG2	1:A:292:LEU:CD1	2.15	0.76
1:A:272:THR:HG23	1:A:282:HIS:CE1	2.20	0.76
1:A:343:HIS:O	1:A:344:VAL:HG12	1.85	0.76
1:B:19:PHE:HE2	1:J:87:PHE:CD1	2.03	0.76
1:B:148:LEU:HD23	1:B:282:HIS:CE1	2.20	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:152:VAL:HG21	1:B:410:LEU:HD11	1.67	0.76
1:B:269:LYS:O	1:B:272:THR:HB	1.86	0.76
1:B:369:PHE:CZ	1:B:427:LEU:HD21	2.20	0.76
1:B:510:ALA:H	1:B:647:UNK:C	1.98	0.76
1:C:19:PHE:HE2	1:K:87:PHE:CD1	2.03	0.76
1:C:87:PHE:CD1	1:K:19:PHE:HE2	2.03	0.76
1:C:272:THR:HG23	1:C:282:HIS:CE1	2.20	0.76
1:C:369:PHE:CZ	1:C:427:LEU:HD21	2.20	0.76
1:C:453:PHE:HD2	1:C:461:PRO:HG2	1.51	0.76
1:C:486:LEU:O	1:C:488:ARG:HG3	1.86	0.76
1:D:19:PHE:HE2	1:L:87:PHE:CD1	2.03	0.76
1:D:38:SER:O	1:D:39:ILE:HD13	1.85	0.76
1:E:272:THR:HG23	1:E:282:HIS:CE1	2.20	0.76
1:G:38:SER:O	1:G:39:ILE:HD13	1.85	0.76
1:G:125:VAL:HG23	1:G:296:GLU:CG	2.14	0.76
1:H:32:VAL:CA	1:H:45:ILE:HD13	2.15	0.76
1:H:38:SER:O	1:H:39:ILE:HD13	1.85	0.76
1:H:144:ALA:HA	1:H:261:LYS:HB3	1.66	0.76
1:H:475:LEU:HD22	1:H:482:GLU:HB2	1.67	0.76
1:I:124:ASN:HA	1:I:300:LEU:HB2	1.67	0.76
1:I:125:VAL:HG23	1:I:296:GLU:CG	2.14	0.76
1:I:272:THR:HG23	1:I:282:HIS:CE1	2.20	0.76
1:I:343:HIS:O	1:I:344:VAL:HG12	1.85	0.76
1:I:510:ALA:H	1:I:647:UNK:C	1.98	0.76
1:J:38:SER:O	1:J:39:ILE:HD13	1.85	0.76
1:J:369:PHE:CZ	1:J:427:LEU:HD21	2.20	0.76
1:K:486:LEU:O	1:K:488:ARG:HG3	1.86	0.76
1:K:510:ALA:H	1:K:647:UNK:C	1.98	0.76
1:K:554:ILE:H	1:K:554:ILE:HD12	1.50	0.76
1:L:113:LEU:CB	1:L:166:LEU:HD11	2.15	0.76
1:L:180:TRP:O	1:L:181:LEU:HD23	1.84	0.76
1:L:269:LYS:O	1:L:272:THR:HB	1.86	0.76
1:M:343:HIS:O	1:M:344:VAL:HG12	1.85	0.76
1:N:32:VAL:CA	1:N:45:ILE:HD13	2.15	0.76
1:N:84:ASN:HA	1:N:89:MET:HE1	1.66	0.76
1:N:475:LEU:HD22	1:N:482:GLU:HB2	1.67	0.76
1:O:125:VAL:HG23	1:O:296:GLU:CG	2.14	0.76
1:O:153:LEU:HD13	1:O:153:LEU:H	1.51	0.76
1:O:157:LYS:HE2	1:O:265:THR:HB	1.67	0.76
1:O:253:TRP:CE3	1:O:264:LEU:HD22	2.19	0.76
1:P:157:LYS:HE2	1:P:265:THR:HB	1.67	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:381:ILE:HG22	1:P:470:HIS:HE2	1.50	0.76
1:A:113:LEU:HD22	1:A:166:LEU:CD1	2.13	0.76
1:B:154:GLY:HA3	1:B:322:ARG:CB	2.16	0.76
1:B:343:HIS:O	1:B:344:VAL:HG12	1.85	0.76
1:C:153:LEU:HD13	1:C:153:LEU:H	1.51	0.76
1:C:446:HIS:O	1:C:450:PRO:HD2	1.85	0.76
1:D:32:VAL:CA	1:D:45:ILE:HD13	2.15	0.76
1:D:156:GLY:O	1:D:160:VAL:HG23	1.85	0.76
1:D:486:LEU:O	1:D:488:ARG:HG3	1.86	0.76
1:D:543:LEU:O	1:D:547:PRO:HD2	1.84	0.76
1:E:286:ASP:HB3	1:E:288:HIS:CB	2.15	0.76
1:E:343:HIS:O	1:E:344:VAL:HG12	1.85	0.76
1:E:510:ALA:H	1:E:647:UNK:C	1.98	0.76
1:F:124:ASN:HA	1:F:300:LEU:HB2	1.67	0.76
1:F:125:VAL:HG23	1:F:296:GLU:CG	2.14	0.76
1:F:322:ARG:HG3	1:F:323:ARG:N	2.01	0.76
1:F:357:LEU:CG	1:F:366:ARG:HD3	2.15	0.76
1:G:153:LEU:HD13	1:G:153:LEU:H	1.51	0.76
1:G:196:LEU:HD22	1:G:224:ILE:HG21	1.67	0.76
1:G:269:LYS:O	1:G:272:THR:HB	1.86	0.76
1:G:362:PRO:HA	1:G:366:ARG:CB	2.15	0.76
1:G:475:LEU:HD22	1:G:482:GLU:HB2	1.67	0.76
1:G:563:ARG:HB2	1:G:1038:UNK:N	2.01	0.76
1:H:157:LYS:HE2	1:H:265:THR:HB	1.67	0.76
1:I:12:TYR:O	1:I:16:LEU:HD22	1.85	0.76
1:I:156:GLY:O	1:I:160:VAL:HG23	1.85	0.76
1:I:157:LYS:HE2	1:I:265:THR:HB	1.67	0.76
1:J:32:VAL:CA	1:J:45:ILE:HD13	2.15	0.76
1:J:65:LEU:HA	1:J:72:MET:SD	2.26	0.76
1:J:543:LEU:O	1:J:547:PRO:HD2	1.84	0.76
1:K:369:PHE:CZ	1:K:427:LEU:HD21	2.20	0.76
1:K:453:PHE:HD2	1:K:461:PRO:HG2	1.51	0.76
1:L:152:VAL:HG21	1:L:410:LEU:HD11	1.67	0.76
1:L:154:GLY:HA3	1:L:322:ARG:CB	2.16	0.76
1:L:369:PHE:CZ	1:L:427:LEU:HD21	2.20	0.76
1:M:65:LEU:HD12	1:M:72:MET:SD	2.24	0.76
1:M:272:THR:HG23	1:M:282:HIS:CE1	2.20	0.76
1:M:327:ILE:HG22	1:M:331:ILE:HD13	1.65	0.76
1:N:119:VAL:CA	1:O:277:ALA:CA	2.22	0.76
1:N:153:LEU:HB3	1:N:267:ARG:HD3	1.68	0.76
1:N:157:LYS:HE2	1:N:265:THR:HB	1.67	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:127:ARG:HG2	1:O:292:LEU:CD1	2.15	0.76
1:O:129:GLN:HB2	1:O:130:PRO:HD3	1.65	0.76
1:O:269:LYS:O	1:O:272:THR:HB	1.86	0.76
1:O:272:THR:HG23	1:O:282:HIS:CE1	2.20	0.76
1:O:563:ARG:HB2	1:O:1038:UNK:N	2.01	0.76
1:P:125:VAL:HG23	1:P:296:GLU:CG	2.14	0.76
1:P:322:ARG:HG3	1:P:323:ARG:N	2.01	0.76
1:P:475:LEU:HD22	1:P:482:GLU:HB2	1.67	0.76
1:A:113:LEU:CB	1:A:166:LEU:HD11	2.15	0.76
1:A:154:GLY:HA3	1:A:322:ARG:CB	2.16	0.76
1:A:554:ILE:H	1:A:554:ILE:HD12	1.50	0.76
1:B:127:ARG:HG2	1:B:292:LEU:CD1	2.15	0.76
1:C:517:THR:HG23	1:C:546:LEU:HD21	1.67	0.76
1:D:65:LEU:HA	1:D:72:MET:SD	2.26	0.76
1:D:84:ASN:HA	1:D:89:MET:CE	2.16	0.76
1:D:125:VAL:HG23	1:D:296:GLU:CG	2.14	0.76
1:D:269:LYS:O	1:D:272:THR:HB	1.86	0.76
1:E:12:TYR:O	1:E:16:LEU:HD22	1.85	0.76
1:E:124:ASN:HA	1:E:300:LEU:HB2	1.67	0.76
1:E:153:LEU:H	1:E:153:LEU:HD13	1.51	0.76
1:E:156:GLY:O	1:E:160:VAL:HG23	1.85	0.76
1:E:196:LEU:HD22	1:E:224:ILE:HG21	1.67	0.76
1:F:475:LEU:HD22	1:F:482:GLU:HB2	1.67	0.76
1:F:486:LEU:O	1:F:488:ARG:HG3	1.86	0.76
1:G:127:ARG:HG2	1:G:292:LEU:CD1	2.15	0.76
1:H:153:LEU:HB3	1:H:267:ARG:HD3	1.68	0.76
1:I:196:LEU:HD22	1:I:224:ILE:HG21	1.67	0.76
1:I:269:LYS:O	1:I:272:THR:HB	1.86	0.76
1:I:286:ASP:HB3	1:I:288:HIS:CB	2.15	0.76
1:I:475:LEU:HD22	1:I:482:GLU:HB2	1.67	0.76
1:J:19:PHE:CD2	1:J:88:LEU:HD11	2.20	0.76
1:J:84:ASN:HA	1:J:89:MET:CE	2.16	0.76
1:J:125:VAL:HG23	1:J:296:GLU:CG	2.14	0.76
1:J:156:GLY:O	1:J:160:VAL:HG23	1.85	0.76
1:J:475:LEU:HD22	1:J:482:GLU:HB2	1.67	0.76
1:J:486:LEU:O	1:J:488:ARG:HG3	1.86	0.76
1:L:286:ASP:CB	1:L:288:HIS:HB3	2.14	0.76
1:L:343:HIS:O	1:L:344:VAL:HG12	1.85	0.76
1:M:153:LEU:HB3	1:M:267:ARG:HD3	1.68	0.76
1:M:154:GLY:HA3	1:M:322:ARG:CB	2.16	0.76
1:N:154:GLY:HA3	1:N:322:ARG:CB	2.16	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:272:THR:HG23	1:N:282:HIS:CE1	2.20	0.76
1:O:113:LEU:CB	1:O:166:LEU:HD11	2.15	0.76
1:O:196:LEU:HD22	1:O:224:ILE:HG21	1.67	0.76
1:O:362:PRO:HA	1:O:366:ARG:CB	2.15	0.76
1:O:453:PHE:HD2	1:O:461:PRO:HG2	1.51	0.76
1:P:127:ARG:HG2	1:P:292:LEU:CD1	2.15	0.76
1:P:486:LEU:O	1:P:488:ARG:HG3	1.86	0.76
1:A:153:LEU:HB3	1:A:267:ARG:HD3	1.68	0.76
1:B:286:ASP:CB	1:B:288:HIS:HB3	2.14	0.76
1:D:12:TYR:O	1:D:16:LEU:HD22	1.85	0.76
1:D:475:LEU:HD22	1:D:482:GLU:HB2	1.67	0.76
1:D:491:PHE:CA	1:D:576:GLU:HG2	2.16	0.76
1:E:65:LEU:HD12	1:E:72:MET:SD	2.25	0.76
1:E:113:LEU:HD21	1:E:165:CYS:HB3	1.68	0.76
1:E:154:GLY:HA3	1:E:322:ARG:CB	2.16	0.76
1:E:269:LYS:O	1:E:272:THR:HB	1.86	0.76
1:E:475:LEU:HD22	1:E:482:GLU:HB2	1.67	0.76
1:F:127:ARG:HG2	1:F:292:LEU:CD1	2.15	0.76
1:F:554:ILE:H	1:F:554:ILE:HD12	1.50	0.76
1:G:32:VAL:CA	1:G:45:ILE:HD13	2.15	0.76
1:H:89:MET:O	1:H:92:ILE:HG22	1.84	0.76
1:H:154:GLY:HA3	1:H:322:ARG:CB	2.16	0.76
1:H:156:GLY:O	1:H:160:VAL:HG23	1.85	0.76
1:I:65:LEU:HD12	1:I:72:MET:SD	2.25	0.76
1:I:113:LEU:HD21	1:I:165:CYS:HB3	1.68	0.76
1:I:153:LEU:H	1:I:153:LEU:HD13	1.51	0.76
1:I:154:GLY:HA3	1:I:322:ARG:CB	2.16	0.76
1:J:12:TYR:O	1:J:16:LEU:HD22	1.85	0.76
1:J:269:LYS:O	1:J:272:THR:HB	1.86	0.76
1:J:554:ILE:H	1:J:554:ILE:HD12	1.50	0.76
1:K:153:LEU:HD13	1:K:153:LEU:H	1.51	0.76
1:K:517:THR:HG23	1:K:546:LEU:HD21	1.67	0.76
1:L:65:LEU:HA	1:L:72:MET:SD	2.26	0.76
1:L:92:ILE:O	1:L:95:GLU:HB3	1.86	0.76
1:L:127:ARG:HG2	1:L:292:LEU:CD1	2.15	0.76
1:M:113:LEU:CB	1:M:166:LEU:HD11	2.15	0.76
1:M:563:ARG:HB2	1:M:1038:UNK:N	2.01	0.76
1:N:89:MET:O	1:N:92:ILE:HG22	1.84	0.76
1:N:156:GLY:O	1:N:160:VAL:HG23	1.85	0.76
1:O:475:LEU:HD22	1:O:482:GLU:HB2	1.67	0.76
1:P:124:ASN:HA	1:P:300:LEU:HB2	1.67	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:357:LEU:CG	1:P:366:ARG:HD3	2.15	0.76
1:A:156:GLY:O	1:A:160:VAL:HG23	1.85	0.76
1:A:453:PHE:HD2	1:A:461:PRO:HG2	1.51	0.76
1:A:561:LEU:HA	1:A:564:ILE:CD1	2.15	0.76
1:A:563:ARG:HB2	1:A:1038:UNK:N	2.01	0.76
1:B:89:MET:O	1:B:93:LYS:HD2	1.86	0.76
1:B:92:ILE:O	1:B:95:GLU:HB3	1.86	0.76
1:B:272:THR:HG23	1:B:282:HIS:CE1	2.20	0.76
1:B:491:PHE:CA	1:B:576:GLU:HG2	2.16	0.76
1:C:154:GLY:HA3	1:C:322:ARG:CB	2.16	0.76
1:D:19:PHE:CD2	1:D:88:LEU:HD11	2.20	0.76
1:D:40:LEU:HD11	1:D:64:THR:CB	2.12	0.76
1:D:554:ILE:H	1:D:554:ILE:HD12	1.50	0.76
1:E:561:LEU:HA	1:E:564:ILE:CD1	2.15	0.76
1:E:563:ARG:HB2	1:E:1038:UNK:N	2.01	0.76
1:E:577:ALA:O	1:E:581:VAL:HG12	1.85	0.76
1:F:563:ARG:HB2	1:F:1038:UNK:N	2.01	0.76
1:G:12:TYR:O	1:G:16:LEU:HD22	1.85	0.76
1:G:129:GLN:HB2	1:G:130:PRO:HD3	1.65	0.76
1:G:150:ASP:H	1:G:287:HIS:HB3	1.51	0.76
1:G:453:PHE:HD2	1:G:461:PRO:HG2	1.51	0.76
1:H:84:ASN:HA	1:H:89:MET:HE1	1.67	0.76
1:H:272:THR:HG23	1:H:282:HIS:CE1	2.20	0.76
1:H:453:PHE:HD2	1:H:461:PRO:HG2	1.51	0.76
1:I:561:LEU:HA	1:I:564:ILE:CD1	2.15	0.76
1:J:491:PHE:CA	1:J:576:GLU:HG2	2.16	0.76
1:K:127:ARG:HE	1:K:292:LEU:HD11	1.51	0.76
1:L:89:MET:O	1:L:93:LYS:HD2	1.86	0.76
1:L:491:PHE:CA	1:L:576:GLU:HG2	2.16	0.76
1:L:563:ARG:HB2	1:L:1038:UNK:N	2.01	0.76
1:M:38:SER:O	1:M:39:ILE:HD13	1.85	0.76
1:M:161:ALA:O	1:M:164:VAL:HG12	1.85	0.76
1:M:362:PRO:HA	1:M:366:ARG:CB	2.15	0.76
1:M:554:ILE:HD12	1:M:554:ILE:H	1.50	0.76
1:M:561:LEU:HA	1:M:564:ILE:CD1	2.15	0.76
1:N:286:ASP:HB3	1:N:288:HIS:CB	2.15	0.76
1:O:32:VAL:CA	1:O:45:ILE:HD13	2.15	0.76
1:O:150:ASP:H	1:O:287:HIS:HB3	1.51	0.76
1:P:161:ALA:O	1:P:164:VAL:HG12	1.85	0.76
1:A:144:ALA:HA	1:A:261:LYS:HB3	1.66	0.76
1:A:475:LEU:HD22	1:A:482:GLU:HB2	1.67	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:65:LEU:HA	1:B:72:MET:SD	2.26	0.76
1:B:124:ASN:HA	1:B:300:LEU:HB2	1.67	0.76
1:B:563:ARG:HB2	1:B:1038:UNK:N	2.01	0.76
1:C:19:PHE:CD2	1:C:88:LEU:HD11	2.20	0.76
1:C:127:ARG:HE	1:C:292:LEU:HD11	1.51	0.76
1:D:157:LYS:HE2	1:D:265:THR:HB	1.67	0.76
1:E:453:PHE:HD2	1:E:461:PRO:HG2	1.51	0.76
1:F:65:LEU:HD12	1:F:72:MET:SD	2.25	0.76
1:F:154:GLY:HA3	1:F:322:ARG:CB	2.16	0.76
1:F:235:LYS:HB2	1:F:237:TYR:CE2	2.21	0.76
1:G:19:PHE:CD2	1:G:88:LEU:HD11	2.20	0.76
1:G:113:LEU:CB	1:G:166:LEU:HD11	2.15	0.76
1:G:561:LEU:HA	1:G:564:ILE:CD1	2.15	0.76
1:H:286:ASP:HB3	1:H:288:HIS:CB	2.15	0.76
1:I:357:LEU:CG	1:I:366:ARG:HD3	2.15	0.76
1:I:554:ILE:HD12	1:I:554:ILE:H	1.50	0.76
1:I:563:ARG:HB2	1:I:1038:UNK:N	2.01	0.76
1:J:40:LEU:HD11	1:J:64:THR:CB	2.12	0.76
1:J:453:PHE:HD2	1:J:461:PRO:HG2	1.51	0.76
1:K:89:MET:O	1:K:93:LYS:HD2	1.86	0.76
1:K:154:GLY:HA3	1:K:322:ARG:CB	2.16	0.76
1:K:343:HIS:O	1:K:344:VAL:HG12	1.85	0.76
1:K:362:PRO:HA	1:K:366:ARG:CB	2.15	0.76
1:M:65:LEU:HA	1:M:72:MET:SD	2.26	0.76
1:M:156:GLY:O	1:M:160:VAL:HG23	1.85	0.76
1:M:357:LEU:CG	1:M:366:ARG:HD3	2.15	0.76
1:M:475:LEU:HD22	1:M:482:GLU:HB2	1.67	0.76
1:N:453:PHE:HD2	1:N:461:PRO:HG2	1.51	0.76
1:O:124:ASN:HA	1:O:300:LEU:HB2	1.67	0.76
1:O:561:LEU:HA	1:O:564:ILE:CD1	2.15	0.76
1:P:113:LEU:HD22	1:P:166:LEU:CD1	2.13	0.76
1:P:235:LYS:HB2	1:P:237:TYR:CE2	2.21	0.76
1:P:554:ILE:H	1:P:554:ILE:HD12	1.50	0.76
1:P:563:ARG:HB2	1:P:1038:UNK:N	2.01	0.76
1:A:38:SER:O	1:A:39:ILE:HD13	1.85	0.76
1:A:65:LEU:HA	1:A:72:MET:SD	2.26	0.76
1:A:148:LEU:HD23	1:A:282:HIS:CE1	2.20	0.76
1:A:161:ALA:O	1:A:164:VAL:HG12	1.85	0.76
1:A:357:LEU:CG	1:A:366:ARG:HD3	2.15	0.76
1:A:362:PRO:HA	1:A:366:ARG:CB	2.15	0.76
1:A:486:LEU:O	1:A:488:ARG:HG3	1.86	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:38:SER:O	1:B:39:ILE:HD13	1.85	0.76
1:B:561:LEU:HA	1:B:564:ILE:CD1	2.15	0.76
1:C:89:MET:O	1:C:93:LYS:HD2	1.86	0.76
1:C:113:LEU:HD22	1:C:166:LEU:CD1	2.13	0.76
1:C:343:HIS:O	1:C:344:VAL:HG12	1.85	0.76
1:C:362:PRO:HA	1:C:366:ARG:CB	2.15	0.76
1:D:92:ILE:O	1:D:95:GLU:HB3	1.86	0.76
1:D:113:LEU:HD21	1:D:165:CYS:HB3	1.68	0.76
1:D:127:ARG:HE	1:D:292:LEU:HD11	1.51	0.76
1:D:446:HIS:O	1:D:450:PRO:HD2	1.85	0.76
1:D:453:PHE:HD2	1:D:461:PRO:HG2	1.51	0.76
1:E:144:ALA:HA	1:E:261:LYS:HB3	1.66	0.76
1:E:357:LEU:CG	1:E:366:ARG:HD3	2.15	0.76
1:E:554:ILE:HD12	1:E:554:ILE:H	1.50	0.76
1:F:161:ALA:O	1:F:164:VAL:HG12	1.85	0.76
1:G:124:ASN:HA	1:G:300:LEU:HB2	1.67	0.76
1:I:453:PHE:HD2	1:I:461:PRO:HG2	1.51	0.76
1:J:8:HIS:HB3	1:J:95:GLU:HG3	1.68	0.76
1:J:92:ILE:O	1:J:95:GLU:HB3	1.86	0.76
1:J:113:LEU:HD21	1:J:165:CYS:HB3	1.68	0.76
1:J:127:ARG:HE	1:J:292:LEU:HD11	1.51	0.76
1:J:157:LYS:HE2	1:J:265:THR:HB	1.67	0.76
1:K:19:PHE:CD2	1:K:88:LEU:HD11	2.20	0.76
1:L:124:ASN:HA	1:L:300:LEU:HB2	1.67	0.76
1:L:272:THR:HG23	1:L:282:HIS:CE1	2.20	0.76
1:M:144:ALA:HA	1:M:261:LYS:HB3	1.66	0.76
1:M:379:ALA:O	1:M:381:ILE:HG23	1.85	0.76
1:M:381:ILE:HG22	1:M:470:HIS:HE2	1.49	0.76
1:M:453:PHE:HD2	1:M:461:PRO:HG2	1.51	0.76
1:M:486:LEU:O	1:M:488:ARG:HG3	1.86	0.76
1:N:577:ALA:O	1:N:581:VAL:HG12	1.85	0.76
1:O:12:TYR:O	1:O:16:LEU:HD22	1.85	0.76
1:O:40:LEU:HD11	1:O:64:THR:CB	2.12	0.76
1:P:65:LEU:HD12	1:P:72:MET:SD	2.25	0.76
1:P:154:GLY:HA3	1:P:322:ARG:CB	2.16	0.76
1:P:379:ALA:O	1:P:381:ILE:HG23	1.85	0.76
1:A:89:MET:O	1:A:93:LYS:HD2	1.86	0.76
1:A:146:ASN:CB	1:A:275:LEU:HD11	2.16	0.76
1:A:152:VAL:HG21	1:A:410:LEU:HD11	1.67	0.76
1:A:360:LEU:CD2	1:A:405:LEU:HD13	2.16	0.76
1:A:381:ILE:HG22	1:A:470:HIS:HE2	1.49	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:5:THR:HG21	1:B:73:VAL:HG11	1.69	0.76
1:B:153:LEU:HB3	1:B:267:ARG:HD3	1.68	0.76
1:D:8:HIS:HB3	1:D:95:GLU:HG3	1.68	0.76
1:E:32:VAL:CA	1:E:45:ILE:HD13	2.15	0.76
1:F:379:ALA:O	1:F:381:ILE:HG23	1.85	0.76
1:H:87:PHE:HB2	1:P:19:PHE:HE2	1.46	0.76
1:I:84:ASN:HA	1:I:89:MET:HE1	1.67	0.76
1:I:84:ASN:HA	1:I:89:MET:CE	2.16	0.76
1:I:577:ALA:O	1:I:581:VAL:HG12	1.85	0.76
1:J:74:GLN:O	1:J:77:VAL:HG12	1.86	0.76
1:J:89:MET:O	1:J:93:LYS:HD2	1.86	0.76
1:K:113:LEU:HD22	1:K:166:LEU:CD1	2.13	0.76
1:K:124:ASN:HA	1:K:300:LEU:HB2	1.67	0.76
1:K:157:LYS:HE2	1:K:265:THR:HB	1.67	0.76
1:L:150:ASP:H	1:L:287:HIS:HB3	1.51	0.76
1:L:362:PRO:HA	1:L:366:ARG:CB	2.15	0.76
1:L:561:LEU:HA	1:L:564:ILE:CD1	2.15	0.76
1:M:148:LEU:HD23	1:M:282:HIS:CE1	2.20	0.76
1:M:152:VAL:HG21	1:M:410:LEU:HD11	1.67	0.76
1:M:157:LYS:HE2	1:M:265:THR:HB	1.67	0.76
1:M:179:PHE:HB2	1:M:242:LEU:CD2	2.12	0.76
1:M:235:LYS:HB2	1:M:237:TYR:CE2	2.21	0.76
1:M:360:LEU:CD2	1:M:405:LEU:HD13	2.16	0.76
1:N:92:ILE:O	1:N:95:GLU:HB3	1.86	0.76
1:N:563:ARG:HB2	1:N:1038:UNK:N	2.01	0.76
1:O:19:PHE:CD2	1:O:88:LEU:HD11	2.20	0.76
1:P:84:ASN:HA	1:P:89:MET:HE1	1.66	0.76
1:P:84:ASN:HA	1:P:89:MET:CE	2.16	0.76
1:P:196:LEU:HD22	1:P:224:ILE:HG21	1.67	0.76
1:P:272:THR:HG23	1:P:282:HIS:CE1	2.20	0.76
1:A:157:LYS:HE2	1:A:265:THR:HB	1.67	0.75
1:A:235:LYS:HB2	1:A:237:TYR:CE2	2.21	0.75
1:A:510:ALA:H	1:A:647:UNK:C	1.98	0.75
1:B:127:ARG:CB	1:B:292:LEU:HD22	2.15	0.75
1:B:150:ASP:H	1:B:287:HIS:HB3	1.51	0.75
1:C:152:VAL:HG21	1:C:410:LEU:HD11	1.67	0.75
1:C:157:LYS:HE2	1:C:265:THR:HB	1.67	0.75
1:D:74:GLN:O	1:D:77:VAL:HG12	1.86	0.75
1:D:89:MET:O	1:D:93:LYS:HD2	1.86	0.75
1:D:146:ASN:CB	1:D:275:LEU:HD11	2.16	0.75
1:D:272:THR:HG23	1:D:282:HIS:CE1	2.20	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:563:ARG:HB2	1:D:1038:UNK:N	2.01	0.75
1:E:84:ASN:HA	1:E:89:MET:CE	2.16	0.75
1:E:150:ASP:H	1:E:287:HIS:HB3	1.51	0.75
1:E:381:ILE:HG22	1:E:470:HIS:HE2	1.49	0.75
1:F:19:PHE:HE2	1:N:87:PHE:HB2	1.46	0.75
1:F:84:ASN:HA	1:F:89:MET:CE	2.16	0.75
1:F:113:LEU:HD22	1:F:166:LEU:CD1	2.13	0.75
1:F:196:LEU:HD22	1:F:224:ILE:HG21	1.67	0.75
1:F:272:THR:HG23	1:F:282:HIS:CE1	2.20	0.75
1:F:491:PHE:CA	1:F:576:GLU:HG2	2.16	0.75
1:G:40:LEU:HD11	1:G:64:THR:CB	2.12	0.75
1:G:277:ALA:CA	1:H:119:VAL:CA	2.22	0.75
1:G:360:LEU:CD2	1:G:405:LEU:HD13	2.16	0.75
1:H:92:ILE:O	1:H:95:GLU:HB3	1.86	0.75
1:H:148:LEU:HB3	1:H:150:ASP:OD1	1.86	0.75
1:H:235:LYS:HB2	1:H:237:TYR:CE2	2.21	0.75
1:H:269:LYS:O	1:H:272:THR:HB	1.86	0.75
1:H:343:HIS:O	1:H:344:VAL:HG12	1.85	0.75
1:H:381:ILE:HG22	1:H:470:HIS:HE2	1.50	0.75
1:H:563:ARG:HB2	1:H:1038:UNK:N	2.01	0.75
1:H:577:ALA:O	1:H:581:VAL:HG12	1.85	0.75
1:I:74:GLN:O	1:I:77:VAL:HG12	1.86	0.75
1:I:89:MET:O	1:I:93:LYS:HD2	1.86	0.75
1:I:127:ARG:HE	1:I:292:LEU:HD11	1.51	0.75
1:I:144:ALA:HA	1:I:261:LYS:HB3	1.66	0.75
1:I:150:ASP:H	1:I:287:HIS:HB3	1.51	0.75
1:I:379:ALA:O	1:I:381:ILE:HG23	1.85	0.75
1:J:127:ARG:HG2	1:J:292:LEU:CD1	2.15	0.75
1:J:146:ASN:CB	1:J:275:LEU:HD11	2.16	0.75
1:J:286:ASP:HB3	1:J:288:HIS:CB	2.15	0.75
1:J:446:HIS:O	1:J:450:PRO:HD2	1.85	0.75
1:K:65:LEU:HA	1:K:72:MET:SD	2.26	0.75
1:L:5:THR:HG21	1:L:73:VAL:HG11	1.69	0.75
1:L:38:SER:O	1:L:39:ILE:HD13	1.85	0.75
1:L:381:ILE:HG22	1:L:470:HIS:HE2	1.50	0.75
1:M:89:MET:O	1:M:93:LYS:HD2	1.86	0.75
1:M:146:ASN:CB	1:M:275:LEU:HD11	2.16	0.75
1:M:369:PHE:HE1	1:M:427:LEU:HD11	1.46	0.75
1:N:146:ASN:CB	1:N:275:LEU:HD11	2.16	0.75
1:N:148:LEU:HB3	1:N:150:ASP:OD1	1.86	0.75
1:N:235:LYS:HB2	1:N:237:TYR:CE2	2.21	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:362:PRO:HA	1:N:366:ARG:CB	2.15	0.75
1:N:381:ILE:HG22	1:N:470:HIS:HE2	1.50	0.75
1:P:148:LEU:HD23	1:P:282:HIS:CE1	2.20	0.75
1:P:491:PHE:CA	1:P:576:GLU:HG2	2.16	0.75
1:A:12:TYR:O	1:A:16:LEU:HD22	1.85	0.75
1:A:179:PHE:HB2	1:A:242:LEU:CD2	2.12	0.75
1:A:369:PHE:HE1	1:A:427:LEU:HD11	1.46	0.75
1:A:379:ALA:O	1:A:381:ILE:HG23	1.85	0.75
1:A:449:ILE:HG23	1:A:450:PRO:HD3	1.68	0.75
1:B:87:PHE:HB2	1:J:19:PHE:HZ	1.48	0.75
1:B:156:GLY:O	1:B:160:VAL:HG23	1.85	0.75
1:B:162:LEU:O	1:B:166:LEU:HD12	1.87	0.75
1:B:286:ASP:HB3	1:B:288:HIS:CB	2.15	0.75
1:B:362:PRO:HA	1:B:366:ARG:CB	2.15	0.75
1:C:65:LEU:HA	1:C:72:MET:SD	2.26	0.75
1:C:84:ASN:HA	1:C:89:MET:CE	2.16	0.75
1:C:298:LYS:HZ2	1:C:316:VAL:HA	1.50	0.75
1:D:435:ASN:OD1	1:D:439:LEU:HD11	1.87	0.75
1:E:74:GLN:O	1:E:77:VAL:HG12	1.86	0.75
1:E:89:MET:O	1:E:93:LYS:HD2	1.86	0.75
1:E:127:ARG:HE	1:E:292:LEU:HD11	1.51	0.75
1:E:146:ASN:CB	1:E:275:LEU:HD11	2.16	0.75
1:E:153:LEU:HB3	1:E:267:ARG:HD3	1.68	0.75
1:E:362:PRO:HA	1:E:366:ARG:CB	2.15	0.75
1:F:148:LEU:HD23	1:F:282:HIS:CE1	2.20	0.75
1:G:84:ASN:HA	1:G:89:MET:CE	2.16	0.75
1:G:449:ILE:HG23	1:G:450:PRO:HD3	1.68	0.75
1:H:12:TYR:O	1:H:16:LEU:HD22	1.85	0.75
1:H:146:ASN:CB	1:H:275:LEU:HD11	2.16	0.75
1:H:385:LEU:HD13	1:H:466:TYR:CD2	2.22	0.75
1:I:32:VAL:CA	1:I:45:ILE:HD13	2.15	0.75
1:I:153:LEU:HB3	1:I:267:ARG:HD3	1.68	0.75
1:I:499:GLN:HE21	1:I:554:ILE:CG1	2.00	0.75
1:J:153:LEU:HD13	1:J:153:LEU:H	1.51	0.75
1:J:162:LEU:O	1:J:166:LEU:HD12	1.87	0.75
1:J:235:LYS:HB2	1:J:237:TYR:CE2	2.21	0.75
1:J:435:ASN:OD1	1:J:439:LEU:HD11	1.87	0.75
1:J:499:GLN:HE21	1:J:554:ILE:CG1	1.99	0.75
1:K:84:ASN:HA	1:K:89:MET:CE	2.16	0.75
1:K:162:LEU:O	1:K:166:LEU:HD12	1.87	0.75
1:L:153:LEU:HB3	1:L:267:ARG:HD3	1.68	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:156:GLY:O	1:L:160:VAL:HG23	1.85	0.75
1:L:162:LEU:O	1:L:166:LEU:HD12	1.87	0.75
1:M:84:ASN:HA	1:M:89:MET:CE	2.16	0.75
1:M:148:LEU:HB3	1:M:150:ASP:OD1	1.86	0.75
1:N:12:TYR:O	1:N:16:LEU:HD22	1.85	0.75
1:N:343:HIS:O	1:N:344:VAL:HG12	1.85	0.75
1:N:385:LEU:HD13	1:N:466:TYR:CD2	2.22	0.75
1:O:322:ARG:HG3	1:O:323:ARG:N	2.01	0.75
1:O:449:ILE:HG23	1:O:450:PRO:HD3	1.68	0.75
1:P:74:GLN:O	1:P:77:VAL:HG12	1.86	0.75
1:A:84:ASN:HA	1:A:89:MET:CE	2.16	0.75
1:A:148:LEU:HB3	1:A:150:ASP:OD1	1.86	0.75
1:B:32:VAL:CA	1:B:45:ILE:HD13	2.15	0.75
1:B:381:ILE:HG22	1:B:470:HIS:HE2	1.50	0.75
1:B:486:LEU:O	1:B:488:ARG:HG3	1.86	0.75
1:C:92:ILE:O	1:C:95:GLU:HB3	1.86	0.75
1:C:124:ASN:HA	1:C:300:LEU:HB2	1.67	0.75
1:C:162:LEU:O	1:C:166:LEU:HD12	1.87	0.75
1:D:5:THR:HG21	1:D:73:VAL:HG11	1.69	0.75
1:D:19:PHE:HZ	1:L:87:PHE:HB2	1.48	0.75
1:D:87:PHE:HB2	1:L:19:PHE:HE2	1.46	0.75
1:D:127:ARG:HG2	1:D:292:LEU:CD1	2.15	0.75
1:D:162:LEU:O	1:D:166:LEU:HD12	1.87	0.75
1:D:235:LYS:HB2	1:D:237:TYR:CE2	2.21	0.75
1:D:286:ASP:HB3	1:D:288:HIS:CB	2.15	0.75
1:D:298:LYS:HZ2	1:D:316:VAL:HA	1.50	0.75
1:D:499:GLN:HE21	1:D:554:ILE:CG1	1.99	0.75
1:E:84:ASN:HA	1:E:89:MET:HE1	1.67	0.75
1:E:379:ALA:O	1:E:381:ILE:HG23	1.85	0.75
1:E:499:GLN:HE21	1:E:554:ILE:CG1	2.00	0.75
1:F:74:GLN:O	1:F:77:VAL:HG12	1.86	0.75
1:F:385:LEU:HD13	1:F:466:TYR:CD2	2.22	0.75
1:G:148:LEU:HD23	1:G:282:HIS:CE1	2.20	0.75
1:G:435:ASN:OD1	1:G:439:LEU:HD11	1.87	0.75
1:H:179:PHE:HB2	1:H:242:LEU:CD2	2.12	0.75
1:H:362:PRO:HA	1:H:366:ARG:CB	2.15	0.75
1:I:362:PRO:HA	1:I:366:ARG:CB	2.15	0.75
1:I:381:ILE:HG22	1:I:470:HIS:HE2	1.49	0.75
1:J:272:THR:HG23	1:J:282:HIS:CE1	2.20	0.75
1:J:510:ALA:H	1:J:647:UNK:C	1.98	0.75
1:J:563:ARG:HB2	1:J:1038:UNK:N	2.01	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:92:ILE:O	1:K:95:GLU:HB3	1.86	0.75
1:K:113:LEU:HD21	1:K:165:CYS:HB3	1.68	0.75
1:K:561:LEU:HA	1:K:564:ILE:CD1	2.15	0.75
1:L:8:HIS:HB3	1:L:95:GLU:HG3	1.68	0.75
1:L:32:VAL:CA	1:L:45:ILE:HD13	2.15	0.75
1:L:127:ARG:CB	1:L:292:LEU:HD22	2.15	0.75
1:M:12:TYR:O	1:M:16:LEU:HD22	1.85	0.75
1:M:449:ILE:HG23	1:M:450:PRO:HD3	1.68	0.75
1:M:510:ALA:H	1:M:647:UNK:C	1.98	0.75
1:N:8:HIS:HB3	1:N:95:GLU:HG3	1.68	0.75
1:N:269:LYS:O	1:N:272:THR:HB	1.86	0.75
1:N:449:ILE:HG23	1:N:450:PRO:HD3	1.68	0.75
1:O:84:ASN:HA	1:O:89:MET:CE	2.16	0.75
1:O:179:PHE:HB2	1:O:242:LEU:CD2	2.12	0.75
1:O:360:LEU:CD2	1:O:405:LEU:HD13	2.16	0.75
1:P:343:HIS:O	1:P:344:VAL:HG12	1.85	0.75
1:P:385:LEU:HD13	1:P:466:TYR:CD2	2.22	0.75
1:P:499:GLN:HE21	1:P:554:ILE:CG1	1.99	0.75
1:P:576:GLU:O	1:P:580:GLN:HG2	1.87	0.75
1:B:8:HIS:HB3	1:B:95:GLU:HG3	1.68	0.75
1:B:123:TYR:CD2	1:B:303:LYS:HB3	2.22	0.75
1:B:127:ARG:HE	1:B:292:LEU:HD11	1.51	0.75
1:D:153:LEU:HD13	1:D:153:LEU:H	1.51	0.75
1:D:510:ALA:H	1:D:647:UNK:C	1.98	0.75
1:E:576:GLU:O	1:E:580:GLN:HG2	1.87	0.75
1:F:113:LEU:HD21	1:F:165:CYS:HB3	1.68	0.75
1:F:127:ARG:HE	1:F:292:LEU:HD11	1.51	0.75
1:F:343:HIS:O	1:F:344:VAL:HG12	1.85	0.75
1:F:499:GLN:HE21	1:F:554:ILE:CG1	1.99	0.75
1:F:576:GLU:O	1:F:580:GLN:HG2	1.87	0.75
1:G:123:TYR:CD2	1:G:303:LYS:HB3	2.22	0.75
1:G:179:PHE:HB2	1:G:242:LEU:CD2	2.12	0.75
1:G:322:ARG:HG3	1:G:323:ARG:N	2.01	0.75
1:G:343:HIS:O	1:G:344:VAL:HG12	1.85	0.75
1:H:5:THR:HG21	1:H:73:VAL:HG11	1.69	0.75
1:H:8:HIS:HB3	1:H:95:GLU:HG3	1.68	0.75
1:H:123:TYR:CD2	1:H:303:LYS:HB3	2.22	0.75
1:H:449:ILE:HG23	1:H:450:PRO:HD3	1.68	0.75
1:H:491:PHE:CA	1:H:576:GLU:HG2	2.16	0.75
1:I:146:ASN:CB	1:I:275:LEU:HD11	2.16	0.75
1:I:576:GLU:O	1:I:580:GLN:HG2	1.87	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:5:THR:HG21	1:J:73:VAL:HG11	1.69	0.75
1:J:153:LEU:HB3	1:J:267:ARG:HD3	1.68	0.75
1:J:154:GLY:HA3	1:J:322:ARG:CB	2.16	0.75
1:L:123:TYR:CD2	1:L:303:LYS:HB3	2.22	0.75
1:L:286:ASP:HB3	1:L:288:HIS:CB	2.15	0.75
1:N:5:THR:HG21	1:N:73:VAL:HG11	1.69	0.75
1:N:179:PHE:HB2	1:N:242:LEU:CD2	2.12	0.75
1:N:491:PHE:CA	1:N:576:GLU:HG2	2.16	0.75
1:N:517:THR:HG23	1:N:546:LEU:HD21	1.67	0.75
1:O:74:GLN:O	1:O:77:VAL:HG12	1.86	0.75
1:O:148:LEU:HD23	1:O:282:HIS:CE1	2.20	0.75
1:O:154:GLY:HA3	1:O:322:ARG:CB	2.16	0.75
1:O:435:ASN:OD1	1:O:439:LEU:HD11	1.87	0.75
1:O:499:GLN:HE21	1:O:554:ILE:CG1	2.00	0.75
1:P:8:HIS:HB3	1:P:95:GLU:HG3	1.68	0.75
1:P:453:PHE:HD2	1:P:461:PRO:HG2	1.51	0.75
1:A:32:VAL:CA	1:A:45:ILE:HD13	2.15	0.75
1:A:92:ILE:O	1:A:95:GLU:HB3	1.86	0.75
1:A:475:LEU:CD2	1:A:478:ILE:HD11	2.17	0.75
1:B:84:ASN:HA	1:B:89:MET:HE1	1.67	0.75
1:B:146:ASN:CB	1:B:275:LEU:HD11	2.16	0.75
1:B:360:LEU:CD2	1:B:405:LEU:HD13	2.16	0.75
1:C:113:LEU:HD21	1:C:165:CYS:HB3	1.68	0.75
1:C:150:ASP:H	1:C:287:HIS:HB3	1.51	0.75
1:C:561:LEU:HA	1:C:564:ILE:CD1	2.15	0.75
1:D:361:GLU:HG3	1:D:365:TYR:HD1	1.51	0.75
1:D:429:LEU:HD22	1:D:432:LYS:HE2	1.69	0.75
1:E:127:ARG:CB	1:E:292:LEU:HD22	2.15	0.75
1:E:322:ARG:HG3	1:E:323:ARG:N	2.01	0.75
1:E:429:LEU:HD22	1:E:432:LYS:HE2	1.69	0.75
1:F:8:HIS:HB3	1:F:95:GLU:HG3	1.68	0.75
1:G:499:GLN:HE21	1:G:554:ILE:CG1	2.00	0.75
1:H:127:ARG:HG2	1:H:292:LEU:CD1	2.15	0.75
1:I:429:LEU:HD22	1:I:432:LYS:HE2	1.69	0.75
1:I:491:PHE:CA	1:I:576:GLU:HG2	2.16	0.75
1:J:379:ALA:O	1:J:381:ILE:HG23	1.85	0.75
1:J:429:LEU:HD22	1:J:432:LYS:HE2	1.69	0.75
1:K:32:VAL:CA	1:K:45:ILE:HD13	2.15	0.75
1:K:152:VAL:HG21	1:K:410:LEU:HD11	1.67	0.75
1:K:563:ARG:HB2	1:K:1038:UNK:N	2.01	0.75
1:L:84:ASN:HA	1:L:89:MET:HE1	1.67	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:127:ARG:HE	1:L:292:LEU:HD11	1.51	0.75
1:L:486:LEU:O	1:L:488:ARG:HG3	1.86	0.75
1:M:32:VAL:CA	1:M:45:ILE:HD13	2.15	0.75
1:M:475:LEU:CD2	1:M:478:ILE:HD11	2.17	0.75
1:N:123:TYR:CD2	1:N:303:LYS:HB3	2.22	0.75
1:N:499:GLN:HE21	1:N:554:ILE:CG1	1.99	0.75
1:O:123:TYR:CD2	1:O:303:LYS:HB3	2.22	0.75
1:O:510:ALA:H	1:O:647:UNK:C	1.98	0.75
1:P:113:LEU:HD21	1:P:165:CYS:HB3	1.68	0.75
1:A:113:LEU:HD21	1:A:165:CYS:HB3	1.68	0.75
1:A:123:TYR:CD2	1:A:303:LYS:HB3	2.22	0.75
1:B:19:PHE:HE2	1:J:87:PHE:HB2	1.46	0.75
1:B:74:GLN:O	1:B:77:VAL:HG12	1.86	0.75
1:B:84:ASN:HA	1:B:89:MET:CE	2.16	0.75
1:B:157:LYS:HE2	1:B:265:THR:HB	1.67	0.75
1:B:449:ILE:HG23	1:B:450:PRO:HD3	1.68	0.75
1:C:32:VAL:CA	1:C:45:ILE:HD13	2.15	0.75
1:C:74:GLN:O	1:C:77:VAL:HG12	1.86	0.75
1:D:127:ARG:CB	1:D:292:LEU:HD22	2.15	0.75
1:D:153:LEU:HB3	1:D:267:ARG:HD3	1.68	0.75
1:D:154:GLY:HA3	1:D:322:ARG:CB	2.16	0.75
1:D:379:ALA:O	1:D:381:ILE:HG23	1.85	0.75
1:D:561:LEU:HA	1:D:564:ILE:CD1	2.15	0.75
1:F:269:LYS:O	1:F:272:THR:HB	1.86	0.75
1:G:74:GLN:O	1:G:77:VAL:HG12	1.86	0.75
1:G:148:LEU:HB3	1:G:150:ASP:OD1	1.86	0.75
1:G:154:GLY:HA3	1:G:322:ARG:CB	2.16	0.75
1:H:153:LEU:H	1:H:153:LEU:HD13	1.51	0.75
1:H:499:GLN:HE21	1:H:554:ILE:CG1	1.99	0.75
1:H:517:THR:HG23	1:H:546:LEU:HD21	1.67	0.75
1:I:127:ARG:CB	1:I:292:LEU:HD22	2.15	0.75
1:J:298:LYS:HZ2	1:J:316:VAL:HA	1.50	0.75
1:J:361:GLU:HG3	1:J:365:TYR:HD1	1.51	0.75
1:J:561:LEU:HA	1:J:564:ILE:CD1	2.15	0.75
1:K:74:GLN:O	1:K:77:VAL:HG12	1.86	0.75
1:L:146:ASN:CB	1:L:275:LEU:HD11	2.16	0.75
1:L:360:LEU:CD2	1:L:405:LEU:HD13	2.16	0.75
1:M:92:ILE:O	1:M:95:GLU:HB3	1.86	0.75
1:M:123:TYR:CD2	1:M:303:LYS:HB3	2.22	0.75
1:N:65:LEU:HA	1:N:72:MET:SD	2.26	0.75
1:N:152:VAL:HG21	1:N:410:LEU:HD11	1.67	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:244:LEU:CD2	1:N:262:ILE:HD12	2.16	0.75
1:N:357:LEU:CG	1:N:366:ARG:HD3	2.15	0.75
1:O:152:VAL:HG21	1:O:410:LEU:HD11	1.67	0.75
1:O:343:HIS:O	1:O:344:VAL:HG12	1.85	0.75
1:O:576:GLU:O	1:O:580:GLN:HG2	1.87	0.75
1:P:89:MET:O	1:P:93:LYS:HD2	1.86	0.75
1:P:127:ARG:HE	1:P:292:LEU:HD11	1.51	0.75
1:P:179:PHE:HB2	1:P:242:LEU:CD2	2.12	0.75
1:P:435:ASN:OD1	1:P:439:LEU:HD11	1.87	0.75
1:C:499:GLN:HE21	1:C:554:ILE:CG1	2.00	0.75
1:C:563:ARG:HB2	1:C:1038:UNK:N	2.01	0.75
1:E:162:LEU:O	1:E:166:LEU:HD12	1.87	0.75
1:E:235:LYS:HB2	1:E:237:TYR:CE2	2.21	0.75
1:E:491:PHE:CA	1:E:576:GLU:HG2	2.16	0.75
1:F:92:ILE:O	1:F:95:GLU:HB3	1.86	0.75
1:F:152:VAL:HG21	1:F:410:LEU:HD11	1.67	0.75
1:F:179:PHE:HB2	1:F:242:LEU:CD2	2.12	0.75
1:F:453:PHE:HD2	1:F:461:PRO:HG2	1.51	0.75
1:G:65:LEU:HA	1:G:72:MET:SD	2.26	0.75
1:G:510:ALA:H	1:G:647:UNK:C	1.98	0.75
1:H:124:ASN:HA	1:H:300:LEU:HB2	1.67	0.75
1:H:152:VAL:HG21	1:H:410:LEU:HD11	1.67	0.75
1:H:244:LEU:CD2	1:H:262:ILE:HD12	2.16	0.75
1:I:322:ARG:HG3	1:I:323:ARG:N	2.01	0.75
1:J:127:ARG:CB	1:J:292:LEU:HD22	2.15	0.75
1:K:150:ASP:H	1:K:287:HIS:HB3	1.51	0.75
1:K:269:LYS:O	1:K:272:THR:HB	1.86	0.75
1:L:74:GLN:O	1:L:77:VAL:HG12	1.86	0.75
1:L:84:ASN:HA	1:L:89:MET:CE	2.16	0.75
1:L:157:LYS:HE2	1:L:265:THR:HB	1.67	0.75
1:L:449:ILE:HG23	1:L:450:PRO:HD3	1.68	0.75
1:M:113:LEU:HD21	1:M:165:CYS:HB3	1.68	0.75
1:N:113:LEU:HD21	1:N:165:CYS:HB3	1.68	0.75
1:N:127:ARG:HG2	1:N:292:LEU:CD1	2.15	0.75
1:N:148:LEU:HD23	1:N:282:HIS:CE1	2.20	0.75
1:O:65:LEU:HA	1:O:72:MET:SD	2.26	0.75
1:O:146:ASN:CB	1:O:275:LEU:HD11	2.16	0.75
1:O:148:LEU:HB3	1:O:150:ASP:OD1	1.86	0.75
1:O:156:GLY:O	1:O:160:VAL:HG23	1.85	0.75
1:P:92:ILE:O	1:P:95:GLU:HB3	1.86	0.75
1:P:561:LEU:HA	1:P:564:ILE:CD1	2.15	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:8:HIS:HB3	1:A:95:GLU:HG3	1.68	0.75
1:A:242:LEU:O	1:A:262:ILE:HD13	1.87	0.75
1:A:244:LEU:CD2	1:A:262:ILE:HD12	2.16	0.75
1:B:576:GLU:O	1:B:580:GLN:HG2	1.87	0.75
1:C:146:ASN:CB	1:C:275:LEU:HD11	2.16	0.75
1:C:242:LEU:O	1:C:262:ILE:HD13	1.87	0.75
1:F:89:MET:O	1:F:93:LYS:HD2	1.86	0.75
1:F:435:ASN:OD1	1:F:439:LEU:HD11	1.87	0.75
1:F:561:LEU:HA	1:F:564:ILE:CD1	2.15	0.75
1:G:146:ASN:CB	1:G:275:LEU:HD11	2.16	0.75
1:G:152:VAL:HG21	1:G:410:LEU:HD11	1.67	0.75
1:G:235:LYS:HB2	1:G:237:TYR:CE2	2.21	0.75
1:G:280:THR:HG23	1:H:114:TYR:HD1	0.92	0.75
1:G:486:LEU:O	1:G:488:ARG:HG3	1.86	0.75
1:G:576:GLU:O	1:G:580:GLN:HG2	1.87	0.75
1:H:113:LEU:HD21	1:H:165:CYS:HB3	1.68	0.75
1:H:148:LEU:HD23	1:H:282:HIS:CE1	2.20	0.75
1:H:326:ILE:HD13	1:H:326:ILE:O	1.87	0.75
1:H:357:LEU:CG	1:H:366:ARG:HD3	2.15	0.75
1:I:162:LEU:O	1:I:166:LEU:HD12	1.87	0.75
1:I:486:LEU:O	1:I:488:ARG:HG3	1.86	0.75
1:J:150:ASP:H	1:J:287:HIS:HB3	1.51	0.75
1:K:146:ASN:CB	1:K:275:LEU:HD11	2.16	0.75
1:K:242:LEU:O	1:K:262:ILE:HD13	1.87	0.75
1:K:499:GLN:HE21	1:K:554:ILE:CG1	2.00	0.75
1:L:576:GLU:O	1:L:580:GLN:HG2	1.87	0.75
1:M:242:LEU:O	1:M:262:ILE:HD13	1.87	0.75
1:M:244:LEU:CD2	1:M:262:ILE:HD12	2.16	0.75
1:M:269:LYS:O	1:M:272:THR:HB	1.86	0.75
1:N:114:TYR:HD1	1:O:280:THR:HG23	0.92	0.75
1:N:124:ASN:HA	1:N:300:LEU:HB2	1.67	0.75
1:N:153:LEU:HD13	1:N:153:LEU:H	1.51	0.75
1:N:326:ILE:HD13	1:N:326:ILE:O	1.87	0.75
1:O:235:LYS:HB2	1:O:237:TYR:CE2	2.21	0.75
1:P:269:LYS:O	1:P:272:THR:HB	1.86	0.75
1:B:515:LEU:HD13	1:B:519:GLN:HB2	1.69	0.75
1:C:12:TYR:O	1:C:16:LEU:HD22	1.85	0.75
1:C:224:ILE:O	1:C:227:GLU:HG2	1.87	0.75
1:C:269:LYS:O	1:C:272:THR:HB	1.86	0.75
1:C:278:ALA:HA	1:D:119:VAL:HG23	1.66	0.75
1:C:429:LEU:HD22	1:C:432:LYS:HE2	1.69	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:280:THR:HG23	1:F:114:TYR:HD1	0.92	0.75
1:F:91:PRO:O	1:F:94:THR:HG22	1.87	0.75
1:G:156:GLY:O	1:G:160:VAL:HG23	1.85	0.75
1:H:65:LEU:HA	1:H:72:MET:SD	2.26	0.75
1:H:89:MET:O	1:H:93:LYS:HD2	1.86	0.75
1:I:235:LYS:HB2	1:I:237:TYR:CE2	2.21	0.75
1:I:326:ILE:HD13	1:I:326:ILE:O	1.87	0.75
1:K:12:TYR:O	1:K:16:LEU:HD22	1.85	0.75
1:K:224:ILE:O	1:K:227:GLU:HG2	1.87	0.75
1:K:326:ILE:HD13	1:K:326:ILE:O	1.87	0.75
1:K:491:PHE:CA	1:K:576:GLU:HG2	2.16	0.75
1:L:326:ILE:HD13	1:L:326:ILE:O	1.87	0.75
1:L:429:LEU:HD22	1:L:432:LYS:HE2	1.69	0.75
1:M:326:ILE:HD13	1:M:326:ILE:O	1.87	0.75
1:O:486:LEU:O	1:O:488:ARG:HG3	1.86	0.75
1:O:554:ILE:H	1:O:554:ILE:HD12	1.50	0.75
1:P:65:LEU:HA	1:P:72:MET:SD	2.26	0.75
1:P:91:PRO:O	1:P:94:THR:HG22	1.87	0.75
1:P:152:VAL:HG21	1:P:410:LEU:HD11	1.67	0.75
1:A:326:ILE:HD13	1:A:326:ILE:O	1.87	0.74
1:A:560:ASP:O	1:A:564:ILE:HD13	1.87	0.74
1:B:326:ILE:HD13	1:B:326:ILE:O	1.87	0.74
1:B:429:LEU:HD22	1:B:432:LYS:HE2	1.69	0.74
1:C:91:PRO:O	1:C:94:THR:HG22	1.87	0.74
1:C:127:ARG:CB	1:C:292:LEU:HD22	2.15	0.74
1:C:235:LYS:HB2	1:C:237:TYR:CE2	2.21	0.74
1:C:268:PHE:CD2	1:C:271:VAL:HG23	2.21	0.74
1:C:326:ILE:HD13	1:C:326:ILE:O	1.87	0.74
1:D:150:ASP:H	1:D:287:HIS:HB3	1.51	0.74
1:E:326:ILE:HD13	1:E:326:ILE:O	1.87	0.74
1:E:435:ASN:OD1	1:E:439:LEU:HD11	1.87	0.74
1:E:486:LEU:O	1:E:488:ARG:HG3	1.86	0.74
1:F:65:LEU:HA	1:F:72:MET:SD	2.26	0.74
1:F:517:THR:HG23	1:F:546:LEU:HD21	1.67	0.74
1:H:150:ASP:H	1:H:287:HIS:HB3	1.51	0.74
1:I:224:ILE:O	1:I:227:GLU:HG2	1.87	0.74
1:I:280:THR:HG23	1:P:114:TYR:HD1	0.92	0.74
1:J:119:VAL:HG23	1:K:278:ALA:HA	1.66	0.74
1:J:322:ARG:HG3	1:J:323:ARG:N	2.01	0.74
1:K:91:PRO:O	1:K:94:THR:HG22	1.87	0.74
1:L:148:LEU:HB3	1:L:150:ASP:OD1	1.86	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:153:LEU:H	1:L:153:LEU:HD13	1.51	0.74
1:L:235:LYS:HB2	1:L:237:TYR:CE2	2.21	0.74
1:M:8:HIS:HB3	1:M:95:GLU:HG3	1.68	0.74
1:M:560:ASP:O	1:M:564:ILE:HD13	1.87	0.74
1:N:89:MET:O	1:N:93:LYS:HD2	1.86	0.74
1:N:560:ASP:O	1:N:564:ILE:HD13	1.87	0.74
1:O:153:LEU:HB3	1:O:267:ARG:HD3	1.68	0.74
1:A:269:LYS:O	1:A:272:THR:HB	1.86	0.74
1:B:12:TYR:O	1:B:16:LEU:HD22	1.85	0.74
1:B:235:LYS:HB2	1:B:237:TYR:CE2	2.21	0.74
1:C:153:LEU:HB3	1:C:267:ARG:HD3	1.68	0.74
1:C:244:LEU:CD2	1:C:262:ILE:HD12	2.16	0.74
1:C:491:PHE:CA	1:C:576:GLU:HG2	2.16	0.74
1:D:375:PHE:CD1	1:D:381:ILE:HD12	2.23	0.74
1:E:12:TYR:O	1:E:15:ILE:HG23	1.88	0.74
1:E:65:LEU:HA	1:E:72:MET:SD	2.26	0.74
1:E:224:ILE:O	1:E:227:GLU:HG2	1.87	0.74
1:F:130:PRO:HG2	1:F:292:LEU:CD2	2.18	0.74
1:F:146:ASN:CB	1:F:275:LEU:HD11	2.16	0.74
1:F:153:LEU:HB3	1:F:267:ARG:HD3	1.68	0.74
1:F:449:ILE:HG23	1:F:450:PRO:HD3	1.68	0.74
1:G:20:GLU:HA	1:G:85:TYR:OH	1.87	0.74
1:G:326:ILE:HD13	1:G:326:ILE:O	1.87	0.74
1:H:560:ASP:O	1:H:564:ILE:HD13	1.87	0.74
1:I:12:TYR:O	1:I:15:ILE:HG23	1.88	0.74
1:J:375:PHE:CD1	1:J:381:ILE:HD12	2.23	0.74
1:K:5:THR:HG21	1:K:73:VAL:HG11	1.68	0.74
1:K:127:ARG:CB	1:K:292:LEU:HD22	2.15	0.74
1:K:235:LYS:HB2	1:K:237:TYR:CE2	2.21	0.74
1:L:515:LEU:HD13	1:L:519:GLN:HB2	1.69	0.74
1:M:124:ASN:HA	1:M:300:LEU:HB2	1.67	0.74
1:M:150:ASP:H	1:M:287:HIS:HB3	1.51	0.74
1:N:486:LEU:O	1:N:488:ARG:HG3	1.86	0.74
1:O:20:GLU:HA	1:O:85:TYR:OH	1.87	0.74
1:O:244:LEU:CD2	1:O:262:ILE:HD12	2.16	0.74
1:O:326:ILE:HD13	1:O:326:ILE:O	1.87	0.74
1:P:130:PRO:HG2	1:P:292:LEU:CD2	2.18	0.74
1:P:449:ILE:HG23	1:P:450:PRO:HD3	1.68	0.74
1:P:517:THR:HG23	1:P:546:LEU:HD21	1.67	0.74
1:A:491:PHE:CA	1:A:576:GLU:HG2	2.16	0.74
1:B:148:LEU:HB3	1:B:150:ASP:OD1	1.86	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:385:LEU:HD13	1:B:466:TYR:CD2	2.22	0.74
1:C:12:TYR:O	1:C:15:ILE:HG23	1.88	0.74
1:D:148:LEU:HD23	1:D:282:HIS:CE1	2.20	0.74
1:E:92:ILE:O	1:E:95:GLU:HB3	1.86	0.74
1:F:123:TYR:CD2	1:F:303:LYS:HB3	2.22	0.74
1:F:148:LEU:HB3	1:F:150:ASP:OD1	1.86	0.74
1:F:361:GLU:HG3	1:F:365:TYR:HD1	1.51	0.74
1:G:554:ILE:H	1:G:554:ILE:HD12	1.50	0.74
1:G:560:ASP:O	1:G:564:ILE:HD13	1.87	0.74
1:H:84:ASN:HA	1:H:89:MET:CE	2.16	0.74
1:I:92:ILE:O	1:I:95:GLU:HB3	1.86	0.74
1:I:435:ASN:OD1	1:I:439:LEU:HD11	1.87	0.74
1:K:153:LEU:HB3	1:K:267:ARG:HD3	1.68	0.74
1:K:244:LEU:CD2	1:K:262:ILE:HD12	2.16	0.74
1:K:322:ARG:HG3	1:K:323:ARG:N	2.01	0.74
1:K:381:ILE:HG22	1:K:470:HIS:HE2	1.49	0.74
1:K:429:LEU:HD22	1:K:432:LYS:HE2	1.69	0.74
1:L:385:LEU:HD13	1:L:466:TYR:CD2	2.22	0.74
1:M:91:PRO:O	1:M:94:THR:HG22	1.87	0.74
1:M:499:GLN:HE21	1:M:554:ILE:CG1	2.00	0.74
1:N:12:TYR:O	1:N:15:ILE:HG23	1.88	0.74
1:N:74:GLN:O	1:N:77:VAL:HG12	1.86	0.74
1:N:150:ASP:H	1:N:287:HIS:HB3	1.51	0.74
1:A:20:GLU:HA	1:A:85:TYR:OH	1.87	0.74
1:A:91:PRO:O	1:A:94:THR:HG22	1.87	0.74
1:A:124:ASN:HA	1:A:300:LEU:HB2	1.67	0.74
1:A:150:ASP:H	1:A:287:HIS:HB3	1.51	0.74
1:A:499:GLN:HE21	1:A:554:ILE:CG1	2.00	0.74
1:B:153:LEU:HD13	1:B:153:LEU:H	1.51	0.74
1:B:475:LEU:CD2	1:B:478:ILE:HD11	2.17	0.74
1:C:322:ARG:HG3	1:C:323:ARG:N	2.01	0.74
1:D:148:LEU:HB3	1:D:150:ASP:OD1	1.86	0.74
1:D:322:ARG:HG3	1:D:323:ARG:N	2.01	0.74
1:D:381:ILE:HG22	1:D:470:HIS:HE2	1.50	0.74
1:D:385:LEU:HD13	1:D:466:TYR:CD2	2.22	0.74
1:F:5:THR:HG21	1:F:73:VAL:HG11	1.69	0.74
1:G:92:ILE:O	1:G:95:GLU:HB3	1.86	0.74
1:G:244:LEU:CD2	1:G:262:ILE:HD12	2.16	0.74
1:H:12:TYR:O	1:H:15:ILE:HG23	1.88	0.74
1:H:486:LEU:O	1:H:488:ARG:HG3	1.86	0.74
1:I:65:LEU:HA	1:I:72:MET:SD	2.26	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:20:GLU:HA	1:J:85:TYR:OH	1.87	0.74
1:J:40:LEU:HD22	1:J:48:ILE:HD11	1.69	0.74
1:J:326:ILE:HD13	1:J:326:ILE:O	1.87	0.74
1:J:381:ILE:HG22	1:J:470:HIS:HE2	1.50	0.74
1:K:12:TYR:O	1:K:15:ILE:HG23	1.88	0.74
1:L:12:TYR:O	1:L:16:LEU:HD22	1.85	0.74
1:N:84:ASN:HA	1:N:89:MET:CE	2.16	0.74
1:N:91:PRO:O	1:N:94:THR:HG22	1.87	0.74
1:N:475:LEU:CD2	1:N:478:ILE:HD11	2.17	0.74
1:N:576:GLU:O	1:N:580:GLN:HG2	1.87	0.74
1:O:560:ASP:O	1:O:564:ILE:HD13	1.87	0.74
1:P:123:TYR:CD2	1:P:303:LYS:HB3	2.22	0.74
1:P:146:ASN:CB	1:P:275:LEU:HD11	2.16	0.74
1:P:150:ASP:H	1:P:287:HIS:HB3	1.51	0.74
1:P:153:LEU:HB3	1:P:267:ARG:HD3	1.68	0.74
1:P:560:ASP:O	1:P:564:ILE:HD13	1.87	0.74
1:B:375:PHE:CD1	1:B:381:ILE:HD12	2.23	0.74
1:B:435:ASN:OD1	1:B:439:LEU:HD11	1.87	0.74
1:B:499:GLN:HE21	1:B:554:ILE:CG1	1.99	0.74
1:C:5:THR:HG21	1:C:73:VAL:HG11	1.69	0.74
1:C:375:PHE:CD1	1:C:381:ILE:HD12	2.23	0.74
1:C:381:ILE:HG22	1:C:470:HIS:HE2	1.49	0.74
1:D:20:GLU:HA	1:D:85:TYR:OH	1.87	0.74
1:D:40:LEU:HD22	1:D:48:ILE:HD11	1.69	0.74
1:D:91:PRO:O	1:D:94:THR:HG22	1.87	0.74
1:D:244:LEU:CD2	1:D:262:ILE:HD12	2.16	0.74
1:D:326:ILE:HD13	1:D:326:ILE:O	1.87	0.74
1:D:560:ASP:O	1:D:564:ILE:HD13	1.87	0.74
1:E:20:GLU:HA	1:E:85:TYR:OH	1.87	0.74
1:E:361:GLU:HG3	1:E:365:TYR:HD1	1.51	0.74
1:F:224:ILE:O	1:F:227:GLU:HG2	1.87	0.74
1:F:560:ASP:O	1:F:564:ILE:HD13	1.87	0.74
1:G:8:HIS:HB3	1:G:95:GLU:HG3	1.68	0.74
1:G:130:PRO:HG2	1:G:292:LEU:CD2	2.18	0.74
1:G:153:LEU:HB3	1:G:267:ARG:HD3	1.68	0.74
1:H:74:GLN:O	1:H:77:VAL:HG12	1.86	0.74
1:H:91:PRO:O	1:H:94:THR:HG22	1.87	0.74
1:H:435:ASN:OD1	1:H:439:LEU:HD11	1.87	0.74
1:I:20:GLU:HA	1:I:85:TYR:OH	1.87	0.74
1:I:130:PRO:HG2	1:I:292:LEU:CD2	2.18	0.74
1:I:517:THR:HG23	1:I:546:LEU:HD21	1.67	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:148:LEU:HD23	1:J:282:HIS:CE1	2.20	0.74
1:J:148:LEU:HB3	1:J:150:ASP:OD1	1.86	0.74
1:J:244:LEU:CD2	1:J:262:ILE:HD12	2.16	0.74
1:J:385:LEU:HD13	1:J:466:TYR:CD2	2.22	0.74
1:J:576:GLU:O	1:J:580:GLN:HG2	1.87	0.74
1:K:40:LEU:HD22	1:K:48:ILE:HD11	1.69	0.74
1:K:84:ASN:HA	1:K:89:MET:HE1	1.68	0.74
1:K:298:LYS:HZ2	1:K:316:VAL:HA	1.52	0.74
1:K:375:PHE:CD1	1:K:381:ILE:HD12	2.23	0.74
1:K:435:ASN:OD1	1:K:439:LEU:HD11	1.87	0.74
1:L:91:PRO:O	1:L:94:THR:HG22	1.87	0.74
1:L:475:LEU:CD2	1:L:478:ILE:HD11	2.17	0.74
1:M:20:GLU:HA	1:M:85:TYR:OH	1.87	0.74
1:M:491:PHE:CA	1:M:576:GLU:HG2	2.16	0.74
1:M:515:LEU:HD13	1:M:519:GLN:HB2	1.69	0.74
1:N:20:GLU:HA	1:N:85:TYR:OH	1.87	0.74
1:N:134:LEU:HD12	1:N:164:VAL:HG21	1.69	0.74
1:O:491:PHE:CA	1:O:576:GLU:HG2	2.16	0.74
1:P:5:THR:HG21	1:P:73:VAL:HG11	1.69	0.74
1:P:148:LEU:HB3	1:P:150:ASP:OD1	1.86	0.74
1:P:361:GLU:HG3	1:P:365:TYR:HD1	1.51	0.74
1:A:429:LEU:HD22	1:A:432:LYS:HE2	1.69	0.74
1:A:515:LEU:HD13	1:A:519:GLN:HB2	1.69	0.74
1:B:91:PRO:O	1:B:94:THR:HG22	1.87	0.74
1:C:40:LEU:HD22	1:C:48:ILE:HD11	1.69	0.74
1:D:517:THR:HG23	1:D:546:LEU:HD21	1.67	0.74
1:D:576:GLU:O	1:D:580:GLN:HG2	1.87	0.74
1:E:130:PRO:HG2	1:E:292:LEU:CD2	2.18	0.74
1:E:244:LEU:CD2	1:E:262:ILE:HD12	2.16	0.74
1:F:127:ARG:CB	1:F:292:LEU:HD22	2.15	0.74
1:F:150:ASP:H	1:F:287:HIS:HB3	1.51	0.74
1:F:515:LEU:HD13	1:F:519:GLN:HB2	1.69	0.74
1:G:12:TYR:O	1:G:15:ILE:HG23	1.88	0.74
1:G:162:LEU:O	1:G:166:LEU:HD12	1.87	0.74
1:G:361:GLU:HG3	1:G:365:TYR:HD1	1.51	0.74
1:G:515:LEU:HD13	1:G:519:GLN:HB2	1.69	0.74
1:H:19:PHE:HZ	1:P:87:PHE:HB2	1.48	0.74
1:H:20:GLU:HA	1:H:85:TYR:OH	1.87	0.74
1:H:134:LEU:HD12	1:H:164:VAL:HG21	1.69	0.74
1:H:475:LEU:CD2	1:H:478:ILE:HD11	2.17	0.74
1:H:576:GLU:O	1:H:580:GLN:HG2	1.87	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:224:ILE:O	1:J:227:GLU:HG2	1.87	0.74
1:J:560:ASP:O	1:J:564:ILE:HD13	1.87	0.74
1:K:171:GLN:HA	1:K:174:MET:CE	2.18	0.74
1:L:375:PHE:CD1	1:L:381:ILE:HD12	2.23	0.74
1:L:435:ASN:OD1	1:L:439:LEU:HD11	1.87	0.74
1:M:162:LEU:O	1:M:166:LEU:HD12	1.87	0.74
1:M:375:PHE:CD1	1:M:381:ILE:HD12	2.23	0.74
1:N:127:ARG:HE	1:N:292:LEU:HD11	1.51	0.74
1:N:435:ASN:OD1	1:N:439:LEU:HD11	1.87	0.74
1:O:92:ILE:O	1:O:95:GLU:HB3	1.86	0.74
1:O:162:LEU:O	1:O:166:LEU:HD12	1.87	0.74
1:O:361:GLU:HG3	1:O:365:TYR:HD1	1.51	0.74
1:O:385:LEU:HD13	1:O:466:TYR:CD2	2.22	0.74
1:O:515:LEU:HD13	1:O:519:GLN:HB2	1.69	0.74
1:P:224:ILE:O	1:P:227:GLU:HG2	1.87	0.74
1:P:429:LEU:HD22	1:P:432:LYS:HE2	1.69	0.74
1:A:127:ARG:HE	1:A:292:LEU:HD11	1.51	0.74
1:A:162:LEU:O	1:A:166:LEU:HD12	1.87	0.74
1:A:277:ALA:C	1:B:119:VAL:CB	2.56	0.74
1:A:280:THR:HG23	1:B:114:TYR:HD1	0.92	0.74
1:A:375:PHE:CD1	1:A:381:ILE:HD12	2.23	0.74
1:B:171:GLN:HA	1:B:174:MET:CE	2.18	0.74
1:C:8:HIS:HB3	1:C:95:GLU:HG3	1.68	0.74
1:C:148:LEU:HB3	1:C:150:ASP:OD1	1.86	0.74
1:C:171:GLN:HA	1:C:174:MET:CE	2.18	0.74
1:C:280:THR:HG23	1:D:114:TYR:HD1	0.92	0.74
1:C:435:ASN:OD1	1:C:439:LEU:HD11	1.87	0.74
1:C:449:ILE:HG23	1:C:450:PRO:HD3	1.68	0.74
1:E:148:LEU:HB3	1:E:150:ASP:OD1	1.86	0.74
1:E:517:THR:HG23	1:E:546:LEU:HD21	1.67	0.74
1:F:235:LYS:HB3	1:F:236:PRO:HD2	1.70	0.74
1:F:429:LEU:HD22	1:F:432:LYS:HE2	1.69	0.74
1:G:491:PHE:CA	1:G:576:GLU:HG2	2.16	0.74
1:H:127:ARG:HE	1:H:292:LEU:HD11	1.51	0.74
1:I:244:LEU:CD2	1:I:262:ILE:HD12	2.16	0.74
1:J:91:PRO:O	1:J:94:THR:HG22	1.87	0.74
1:K:449:ILE:HG23	1:K:450:PRO:HD3	1.68	0.74
1:L:12:TYR:O	1:L:15:ILE:HG23	1.88	0.74
1:L:114:TYR:HD1	1:M:280:THR:HG23	0.92	0.74
1:L:119:VAL:CB	1:M:277:ALA:C	2.56	0.74
1:L:171:GLN:HA	1:L:174:MET:CE	2.18	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:499:GLN:HE21	1:L:554:ILE:CG1	1.99	0.74
1:M:127:ARG:HE	1:M:292:LEU:HD11	1.51	0.74
1:M:429:LEU:HD22	1:M:432:LYS:HE2	1.69	0.74
1:O:12:TYR:O	1:O:15:ILE:HG23	1.88	0.74
1:O:130:PRO:HG2	1:O:292:LEU:CD2	2.18	0.74
1:P:235:LYS:HB3	1:P:236:PRO:HD2	1.70	0.74
1:P:515:LEU:HD13	1:P:519:GLN:HB2	1.69	0.74
1:A:322:ARG:HG3	1:A:323:ARG:N	2.01	0.74
1:A:435:ASN:OD1	1:A:439:LEU:HD11	1.87	0.74
1:B:12:TYR:O	1:B:15:ILE:HG23	1.88	0.74
1:B:20:GLU:HA	1:B:85:TYR:OH	1.87	0.74
1:B:322:ARG:HG3	1:B:323:ARG:N	2.01	0.74
1:D:224:ILE:O	1:D:227:GLU:HG2	1.87	0.74
1:E:8:HIS:HB3	1:E:95:GLU:HG3	1.68	0.74
1:E:123:TYR:CD2	1:E:303:LYS:HB3	2.22	0.74
1:G:91:PRO:O	1:G:94:THR:HG22	1.87	0.74
1:G:385:LEU:HD13	1:G:466:TYR:CD2	2.22	0.74
1:H:322:ARG:HG3	1:H:323:ARG:N	2.01	0.74
1:H:561:LEU:HA	1:H:564:ILE:CD1	2.15	0.74
1:I:5:THR:HG21	1:I:73:VAL:HG11	1.69	0.74
1:I:361:GLU:HG3	1:I:365:TYR:HD1	1.51	0.74
1:J:114:TYR:HD1	1:K:280:THR:HG23	0.92	0.74
1:L:361:GLU:HG3	1:L:365:TYR:HD1	1.51	0.74
1:O:8:HIS:HB3	1:O:95:GLU:HG3	1.68	0.74
1:O:134:LEU:HD12	1:O:164:VAL:HG21	1.69	0.74
1:B:560:ASP:O	1:B:564:ILE:HD13	1.87	0.74
1:C:360:LEU:CD2	1:C:405:LEU:HD13	2.16	0.74
1:C:515:LEU:HD13	1:C:519:GLN:HB2	1.69	0.74
1:D:449:ILE:HG23	1:D:450:PRO:HD3	1.68	0.74
1:E:235:LYS:HB3	1:E:236:PRO:HD2	1.69	0.74
1:F:87:PHE:HB2	1:N:19:PHE:HZ	1.48	0.74
1:F:557:LYS:HG2	1:F:596:UNK:HA	1.70	0.74
1:I:40:LEU:HD22	1:I:48:ILE:HD11	1.69	0.74
1:I:91:PRO:O	1:I:94:THR:HG22	1.87	0.74
1:I:148:LEU:HB3	1:I:150:ASP:OD1	1.86	0.74
1:I:235:LYS:HB3	1:I:236:PRO:HD2	1.69	0.74
1:I:385:LEU:HD13	1:I:466:TYR:CD2	2.22	0.74
1:J:449:ILE:HG23	1:J:450:PRO:HD3	1.68	0.74
1:J:517:THR:HG23	1:J:546:LEU:HD21	1.67	0.74
1:K:8:HIS:HB3	1:K:95:GLU:HG3	1.68	0.74
1:K:361:GLU:HG3	1:K:365:TYR:HD1	1.51	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:20:GLU:HA	1:L:85:TYR:OH	1.87	0.74
1:L:113:LEU:HD21	1:L:165:CYS:HB3	1.68	0.74
1:L:322:ARG:HG3	1:L:323:ARG:N	2.01	0.74
1:M:5:THR:HG21	1:M:73:VAL:HG11	1.68	0.74
1:M:74:GLN:O	1:M:77:VAL:HG12	1.86	0.74
1:M:361:GLU:HG3	1:M:365:TYR:HD1	1.51	0.74
1:M:435:ASN:OD1	1:M:439:LEU:HD11	1.87	0.74
1:N:375:PHE:CD1	1:N:381:ILE:HD12	2.23	0.74
1:P:127:ARG:CB	1:P:292:LEU:HD22	2.15	0.74
1:P:557:LYS:HG2	1:P:596:UNK:HA	1.70	0.74
1:B:224:ILE:O	1:B:227:GLU:HG2	1.87	0.74
1:B:242:LEU:O	1:B:262:ILE:HD13	1.87	0.74
1:B:361:GLU:HG3	1:B:365:TYR:HD1	1.51	0.74
1:E:5:THR:HG21	1:E:73:VAL:HG11	1.69	0.74
1:E:91:PRO:O	1:E:94:THR:HG22	1.87	0.74
1:E:375:PHE:CD1	1:E:381:ILE:HD12	2.23	0.74
1:E:475:LEU:CD2	1:E:478:ILE:HD11	2.17	0.74
1:G:89:MET:O	1:G:93:LYS:HD2	1.86	0.74
1:G:134:LEU:HD12	1:G:164:VAL:HG21	1.69	0.74
1:G:150:ASP:H	1:G:287:HIS:CB	2.01	0.74
1:H:150:ASP:H	1:H:287:HIS:CB	2.01	0.74
1:H:242:LEU:O	1:H:262:ILE:HD13	1.87	0.74
1:H:375:PHE:CD1	1:H:381:ILE:HD12	2.23	0.74
1:I:114:TYR:HD1	1:J:280:THR:HG23	0.92	0.74
1:I:123:TYR:CD2	1:I:303:LYS:HB3	2.22	0.74
1:I:475:LEU:CD2	1:I:478:ILE:HD11	2.17	0.74
1:K:123:TYR:CD2	1:K:303:LYS:HB3	2.22	0.74
1:K:148:LEU:HB3	1:K:150:ASP:OD1	1.86	0.74
1:K:515:LEU:HD13	1:K:519:GLN:HB2	1.69	0.74
1:M:322:ARG:HG3	1:M:323:ARG:N	2.01	0.74
1:N:150:ASP:H	1:N:287:HIS:CB	2.01	0.74
1:N:561:LEU:HA	1:N:564:ILE:CD1	2.15	0.74
1:O:91:PRO:O	1:O:94:THR:HG22	1.87	0.74
1:A:74:GLN:O	1:A:77:VAL:HG12	1.86	0.73
1:A:171:GLN:HA	1:A:174:MET:CE	2.18	0.73
1:A:361:GLU:HG3	1:A:365:TYR:HD1	1.51	0.73
1:A:385:LEU:HD13	1:A:466:TYR:CD2	2.22	0.73
1:B:113:LEU:HD21	1:B:165:CYS:HB3	1.68	0.73
1:B:268:PHE:CD2	1:B:271:VAL:HG23	2.21	0.73
1:C:475:LEU:CD2	1:C:478:ILE:HD11	2.17	0.73
1:C:557:LYS:HG2	1:C:596:UNK:HA	1.70	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:123:TYR:CD2	1:D:303:LYS:HB3	2.22	0.73
1:D:557:LYS:HG2	1:D:596:UNK:HA	1.70	0.73
1:E:40:LEU:HD22	1:E:48:ILE:HD11	1.69	0.73
1:E:385:LEU:HD13	1:E:466:TYR:CD2	2.22	0.73
1:F:20:GLU:HA	1:F:85:TYR:OH	1.87	0.73
1:F:244:LEU:CD2	1:F:262:ILE:HD12	2.16	0.73
1:F:326:ILE:HD13	1:F:326:ILE:O	1.87	0.73
1:F:375:PHE:CD1	1:F:381:ILE:HD12	2.23	0.73
1:F:475:LEU:CD2	1:F:478:ILE:HD11	2.17	0.73
1:G:475:LEU:CD2	1:G:478:ILE:HD11	2.17	0.73
1:G:517:THR:HG23	1:G:546:LEU:HD21	1.67	0.73
1:H:360:LEU:CD2	1:H:405:LEU:HD13	2.16	0.73
1:H:361:GLU:HG3	1:H:365:TYR:HD1	1.51	0.73
1:I:8:HIS:HB3	1:I:95:GLU:HG3	1.68	0.73
1:J:557:LYS:HG2	1:J:596:UNK:HA	1.70	0.73
1:K:557:LYS:HG2	1:K:596:UNK:HA	1.70	0.73
1:L:224:ILE:O	1:L:227:GLU:HG2	1.87	0.73
1:L:560:ASP:O	1:L:564:ILE:HD13	1.87	0.73
1:M:130:PRO:HG2	1:M:292:LEU:CD2	2.18	0.73
1:N:322:ARG:HG3	1:N:323:ARG:N	2.01	0.73
1:N:361:GLU:HG3	1:N:365:TYR:HD1	1.51	0.73
1:O:89:MET:O	1:O:93:LYS:HD2	1.86	0.73
1:O:150:ASP:H	1:O:287:HIS:CB	2.01	0.73
1:O:557:LYS:HG2	1:O:596:UNK:HA	1.70	0.73
1:P:162:LEU:O	1:P:166:LEU:HD12	1.87	0.73
1:P:375:PHE:CD1	1:P:381:ILE:HD12	2.23	0.73
1:A:130:PRO:HG2	1:A:292:LEU:CD2	2.18	0.73
1:B:244:LEU:CD2	1:B:262:ILE:HD12	2.16	0.73
1:C:84:ASN:HA	1:C:89:MET:HE1	1.69	0.73
1:C:123:TYR:CD2	1:C:303:LYS:HB3	2.22	0.73
1:C:361:GLU:HG3	1:C:365:TYR:HD1	1.51	0.73
1:C:385:LEU:HD13	1:C:466:TYR:CD2	2.22	0.73
1:D:134:LEU:HD12	1:D:164:VAL:HG21	1.69	0.73
1:D:280:THR:HG23	1:E:114:TYR:HD1	0.92	0.73
1:F:153:LEU:HD13	1:F:153:LEU:H	1.51	0.73
1:G:235:LYS:HB3	1:G:236:PRO:HD2	1.69	0.73
1:G:557:LYS:HG2	1:G:596:UNK:HA	1.70	0.73
1:H:162:LEU:O	1:H:166:LEU:HD12	1.87	0.73
1:I:375:PHE:CD1	1:I:381:ILE:HD12	2.23	0.73
1:J:171:GLN:HA	1:J:174:MET:CE	2.18	0.73
1:K:298:LYS:NZ	1:K:316:VAL:HA	2.04	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:360:LEU:CD2	1:K:405:LEU:HD13	2.16	0.73
1:K:475:LEU:CD2	1:K:478:ILE:HD11	2.17	0.73
1:L:242:LEU:O	1:L:262:ILE:HD13	1.87	0.73
1:M:171:GLN:HA	1:M:174:MET:CE	2.18	0.73
1:N:224:ILE:O	1:N:227:GLU:HG2	1.87	0.73
1:N:242:LEU:O	1:N:262:ILE:HD13	1.87	0.73
1:O:113:LEU:HD21	1:O:165:CYS:HB3	1.68	0.73
1:O:114:TYR:HD1	1:P:280:THR:HG23	0.92	0.73
1:O:235:LYS:HB3	1:O:236:PRO:HD2	1.69	0.73
1:O:242:LEU:O	1:O:262:ILE:HD13	1.87	0.73
1:A:5:THR:HG21	1:A:73:VAL:HG11	1.69	0.73
1:A:12:TYR:O	1:A:15:ILE:HG23	1.88	0.73
1:A:150:ASP:H	1:A:287:HIS:CB	2.01	0.73
1:A:326:ILE:HG13	1:A:348:LYS:HB2	1.71	0.73
1:C:542:ILE:HG22	1:C:573:ILE:HD12	1.71	0.73
1:C:576:GLU:O	1:C:580:GLN:HG2	1.87	0.73
1:D:171:GLN:HA	1:D:174:MET:CE	2.18	0.73
1:D:475:LEU:CD2	1:D:478:ILE:HD11	2.17	0.73
1:E:242:LEU:O	1:E:262:ILE:HD13	1.87	0.73
1:E:277:ALA:C	1:F:119:VAL:CB	2.56	0.73
1:E:560:ASP:O	1:E:564:ILE:HD13	1.87	0.73
1:F:162:LEU:O	1:F:166:LEU:HD12	1.87	0.73
1:G:242:LEU:O	1:G:262:ILE:HD13	1.87	0.73
1:H:224:ILE:O	1:H:227:GLU:HG2	1.87	0.73
1:H:515:LEU:HD13	1:H:519:GLN:HB2	1.69	0.73
1:I:242:LEU:O	1:I:262:ILE:HD13	1.87	0.73
1:I:277:ALA:C	1:P:119:VAL:CB	2.56	0.73
1:J:123:TYR:CD2	1:J:303:LYS:HB3	2.22	0.73
1:J:134:LEU:HD12	1:J:164:VAL:HG21	1.69	0.73
1:K:385:LEU:HD13	1:K:466:TYR:CD2	2.22	0.73
1:K:542:ILE:HG22	1:K:573:ILE:HD12	1.71	0.73
1:L:244:LEU:CD2	1:L:262:ILE:HD12	2.16	0.73
1:L:557:LYS:HG2	1:L:596:UNK:HA	1.70	0.73
1:M:150:ASP:H	1:M:287:HIS:CB	2.01	0.73
1:M:385:LEU:HD13	1:M:466:TYR:CD2	2.22	0.73
1:M:557:LYS:HG2	1:M:596:UNK:HA	1.70	0.73
1:N:162:LEU:O	1:N:166:LEU:HD12	1.87	0.73
1:N:360:LEU:CD2	1:N:405:LEU:HD13	2.16	0.73
1:N:515:LEU:HD13	1:N:519:GLN:HB2	1.69	0.73
1:O:475:LEU:CD2	1:O:478:ILE:HD11	2.17	0.73
1:O:517:THR:HG23	1:O:546:LEU:HD21	1.67	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:20:GLU:HA	1:P:85:TYR:OH	1.87	0.73
1:P:153:LEU:H	1:P:153:LEU:HD13	1.51	0.73
1:P:326:ILE:HD13	1:P:326:ILE:O	1.87	0.73
1:P:475:LEU:CD2	1:P:478:ILE:HD11	2.17	0.73
1:A:557:LYS:HG2	1:A:596:UNK:HA	1.70	0.73
1:A:576:GLU:O	1:A:580:GLN:HG2	1.87	0.73
1:C:298:LYS:NZ	1:C:316:VAL:HA	2.04	0.73
1:E:134:LEU:HD12	1:E:164:VAL:HG21	1.69	0.73
1:E:557:LYS:HG2	1:E:596:UNK:HA	1.70	0.73
1:F:150:ASP:H	1:F:287:HIS:CB	2.01	0.73
1:F:280:THR:HG23	1:G:114:TYR:HD1	0.92	0.73
1:I:33:GLN:O	1:I:36:PRO:HD2	1.89	0.73
1:I:557:LYS:HG2	1:I:596:UNK:HA	1.70	0.73
1:J:475:LEU:CD2	1:J:478:ILE:HD11	2.17	0.73
1:K:560:ASP:O	1:K:564:ILE:HD13	1.87	0.73
1:L:298:LYS:HZ2	1:L:316:VAL:HA	1.53	0.73
1:M:326:ILE:HG13	1:M:348:LYS:HB2	1.71	0.73
1:P:12:TYR:O	1:P:15:ILE:HG23	1.88	0.73
1:P:244:LEU:CD2	1:P:262:ILE:HD12	2.16	0.73
1:A:224:ILE:O	1:A:227:GLU:HG2	1.87	0.73
1:A:563:ARG:HG2	1:A:1039:UNK:HA	1.71	0.73
1:B:557:LYS:HG2	1:B:596:UNK:HA	1.70	0.73
1:B:563:ARG:HG2	1:B:1039:UNK:HA	1.71	0.73
1:D:542:ILE:HG22	1:D:573:ILE:HD12	1.71	0.73
1:E:19:PHE:HE2	1:M:87:PHE:HB2	1.46	0.73
1:E:33:GLN:O	1:E:36:PRO:HD2	1.89	0.73
1:E:449:ILE:HG23	1:E:450:PRO:HD3	1.68	0.73
1:G:113:LEU:HD21	1:G:165:CYS:HB3	1.68	0.73
1:G:262:ILE:HG22	1:G:264:LEU:CD1	2.19	0.73
1:G:429:LEU:HD22	1:G:432:LYS:HE2	1.69	0.73
1:H:326:ILE:HG13	1:H:348:LYS:HB2	1.71	0.73
1:H:429:LEU:HD22	1:H:432:LYS:HE2	1.69	0.73
1:H:557:LYS:HG2	1:H:596:UNK:HA	1.70	0.73
1:I:560:ASP:O	1:I:564:ILE:HD13	1.87	0.73
1:K:33:GLN:O	1:K:36:PRO:HD2	1.89	0.73
1:K:576:GLU:O	1:K:580:GLN:HG2	1.87	0.73
1:M:12:TYR:O	1:M:15:ILE:HG23	1.88	0.73
1:M:235:LYS:HB3	1:M:236:PRO:HD2	1.69	0.73
1:M:563:ARG:HG2	1:M:1039:UNK:HA	1.71	0.73
1:N:557:LYS:HG2	1:N:596:UNK:HA	1.70	0.73
1:O:262:ILE:HG22	1:O:264:LEU:CD1	2.19	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:65:LEU:HD13	1:P:72:MET:HE2	1.70	0.73
1:P:150:ASP:H	1:P:287:HIS:CB	2.01	0.73
1:A:87:PHE:HB2	1:I:19:PHE:HE2	1.46	0.73
1:A:235:LYS:HB3	1:A:236:PRO:HD2	1.69	0.73
1:B:33:GLN:O	1:B:36:PRO:HD2	1.89	0.73
1:B:326:ILE:HG13	1:B:348:LYS:HB2	1.71	0.73
1:C:33:GLN:O	1:C:36:PRO:HD2	1.89	0.73
1:C:560:ASP:O	1:C:564:ILE:HD13	1.87	0.73
1:D:193:LEU:HD22	1:D:224:ILE:HD12	1.70	0.73
1:D:298:LYS:NZ	1:D:316:VAL:HA	2.04	0.73
1:F:12:TYR:O	1:F:15:ILE:HG23	1.88	0.73
1:H:298:LYS:NZ	1:H:316:VAL:HA	2.04	0.73
1:I:134:LEU:HD12	1:I:164:VAL:HG21	1.69	0.73
1:I:449:ILE:HG23	1:I:450:PRO:HD3	1.68	0.73
1:J:542:ILE:HG22	1:J:573:ILE:HD12	1.71	0.73
1:L:150:ASP:H	1:L:287:HIS:CB	2.01	0.73
1:L:326:ILE:HG13	1:L:348:LYS:HB2	1.71	0.73
1:L:563:ARG:HG2	1:L:1039:UNK:HA	1.71	0.73
1:M:224:ILE:O	1:M:227:GLU:HG2	1.87	0.73
1:M:268:PHE:CD2	1:M:271:VAL:HG23	2.21	0.73
1:N:130:PRO:HG2	1:N:292:LEU:CD2	2.18	0.73
1:N:326:ILE:HG13	1:N:348:LYS:HB2	1.71	0.73
1:N:429:LEU:HD22	1:N:432:LYS:HE2	1.69	0.73
1:P:268:PHE:CD2	1:P:271:VAL:HG23	2.21	0.73
1:A:134:LEU:HD12	1:A:164:VAL:HG21	1.69	0.73
1:A:268:PHE:CD2	1:A:271:VAL:HG23	2.21	0.73
1:B:150:ASP:H	1:B:287:HIS:CB	2.01	0.73
1:E:524:TYR:O	1:E:528:ILE:HG23	1.89	0.73
1:E:542:ILE:HG22	1:E:573:ILE:HD12	1.71	0.73
1:G:375:PHE:CD1	1:G:381:ILE:HD12	2.23	0.73
1:H:33:GLN:O	1:H:36:PRO:HD2	1.89	0.73
1:H:130:PRO:HG2	1:H:292:LEU:CD2	2.18	0.73
1:H:563:ARG:HG2	1:H:1039:UNK:HA	1.71	0.73
1:I:171:GLN:HA	1:I:174:MET:CE	2.18	0.73
1:I:524:TYR:O	1:I:528:ILE:HG23	1.89	0.73
1:J:193:LEU:HD22	1:J:224:ILE:HD12	1.70	0.73
1:J:298:LYS:NZ	1:J:316:VAL:HA	2.04	0.73
1:L:33:GLN:O	1:L:36:PRO:HD2	1.89	0.73
1:L:130:PRO:HG2	1:L:292:LEU:CD2	2.18	0.73
1:M:33:GLN:O	1:M:36:PRO:HD2	1.89	0.73
1:M:576:GLU:O	1:M:580:GLN:HG2	1.87	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:298:LYS:NZ	1:N:316:VAL:HA	2.04	0.73
1:O:5:THR:HG21	1:O:73:VAL:HG11	1.68	0.73
1:O:55:VAL:O	1:O:58:THR:HG22	1.89	0.73
1:O:375:PHE:CD1	1:O:381:ILE:HD12	2.23	0.73
1:A:33:GLN:O	1:A:36:PRO:HD2	1.89	0.73
1:C:235:LYS:HB3	1:C:236:PRO:HD2	1.69	0.73
1:C:563:ARG:HG2	1:C:1039:UNK:HA	1.71	0.73
1:D:524:TYR:O	1:D:528:ILE:HG23	1.89	0.73
1:E:171:GLN:HA	1:E:174:MET:CE	2.18	0.73
1:E:515:LEU:HD13	1:E:519:GLN:HB2	1.69	0.73
1:F:268:PHE:CD2	1:F:271:VAL:HG23	2.21	0.73
1:G:55:VAL:O	1:G:58:THR:HG22	1.89	0.73
1:H:55:VAL:O	1:H:58:THR:HG22	1.89	0.73
1:H:171:GLN:HA	1:H:174:MET:CE	2.18	0.73
1:J:268:PHE:CD2	1:J:271:VAL:HG23	2.21	0.73
1:K:20:GLU:HA	1:K:85:TYR:OH	1.87	0.73
1:K:235:LYS:HB3	1:K:236:PRO:HD2	1.69	0.73
1:K:563:ARG:HG2	1:K:1039:UNK:HA	1.71	0.73
1:M:114:TYR:HD1	1:N:280:THR:HG23	0.92	0.73
1:M:134:LEU:HD12	1:M:164:VAL:HG21	1.69	0.73
1:N:33:GLN:O	1:N:36:PRO:HD2	1.89	0.73
1:N:55:VAL:O	1:N:58:THR:HG22	1.89	0.73
1:N:193:LEU:HD22	1:N:224:ILE:HD12	1.70	0.73
1:N:262:ILE:HG22	1:N:264:LEU:CD1	2.19	0.73
1:N:563:ARG:HG2	1:N:1039:UNK:HA	1.71	0.73
1:O:298:LYS:NZ	1:O:316:VAL:HA	2.04	0.73
1:O:429:LEU:HD22	1:O:432:LYS:HE2	1.69	0.73
1:P:134:LEU:HD12	1:P:164:VAL:HG21	1.69	0.73
1:P:242:LEU:O	1:P:262:ILE:HD13	1.87	0.73
1:B:130:PRO:HG2	1:B:292:LEU:CD2	2.18	0.73
1:C:130:PRO:HG2	1:C:292:LEU:CD2	2.18	0.73
1:D:12:TYR:O	1:D:15:ILE:HG23	1.88	0.73
1:D:33:GLN:O	1:D:36:PRO:HD2	1.89	0.73
1:D:381:ILE:HG22	1:D:470:HIS:NE2	2.04	0.73
1:E:150:ASP:H	1:E:287:HIS:CB	2.01	0.73
1:F:262:ILE:HG22	1:F:264:LEU:CD1	2.19	0.73
1:G:224:ILE:O	1:G:227:GLU:HG2	1.87	0.73
1:G:369:PHE:O	1:G:372:LEU:HD22	1.89	0.73
1:H:193:LEU:HD22	1:H:224:ILE:HD12	1.70	0.73
1:H:262:ILE:HG22	1:H:264:LEU:CD1	2.19	0.73
1:I:515:LEU:HD13	1:I:519:GLN:HB2	1.69	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:542:ILE:HG22	1:I:573:ILE:HD12	1.71	0.73
1:J:381:ILE:HG22	1:J:470:HIS:NE2	2.04	0.73
1:J:524:TYR:O	1:J:528:ILE:HG23	1.89	0.73
1:L:542:ILE:HG22	1:L:573:ILE:HD12	1.71	0.73
1:O:224:ILE:O	1:O:227:GLU:HG2	1.87	0.73
1:O:369:PHE:O	1:O:372:LEU:HD22	1.89	0.73
1:P:262:ILE:HG22	1:P:264:LEU:CD1	2.19	0.73
1:P:412:GLU:HA	1:P:423:PRO:CD	2.19	0.73
1:A:114:TYR:HD1	1:H:280:THR:HG23	0.92	0.73
1:C:20:GLU:HA	1:C:85:TYR:OH	1.87	0.73
1:D:268:PHE:CD2	1:D:271:VAL:HG23	2.21	0.73
1:E:412:GLU:HA	1:E:423:PRO:CD	2.19	0.73
1:F:35:MET:HB3	1:F:45:ILE:HB	1.71	0.73
1:F:242:LEU:O	1:F:262:ILE:HD13	1.87	0.73
1:F:412:GLU:HA	1:F:423:PRO:CD	2.19	0.73
1:F:524:TYR:O	1:F:528:ILE:HG23	1.89	0.73
1:I:150:ASP:H	1:I:287:HIS:CB	2.01	0.73
1:I:412:GLU:HA	1:I:423:PRO:CD	2.19	0.73
1:J:130:PRO:HG2	1:J:292:LEU:CD2	2.18	0.73
1:K:150:ASP:H	1:K:287:HIS:CB	2.01	0.73
1:L:35:MET:HB3	1:L:45:ILE:HB	1.71	0.73
1:L:134:LEU:HD12	1:L:164:VAL:HG21	1.69	0.73
1:L:298:LYS:NZ	1:L:316:VAL:HA	2.04	0.73
1:N:171:GLN:HA	1:N:174:MET:CE	2.18	0.73
1:P:35:MET:HB3	1:P:45:ILE:HB	1.71	0.73
1:P:369:PHE:O	1:P:372:LEU:HD22	1.89	0.73
1:P:524:TYR:O	1:P:528:ILE:HG23	1.89	0.73
1:A:35:MET:HB3	1:A:45:ILE:HB	1.71	0.72
1:A:286:ASP:HB3	1:A:288:HIS:CA	2.19	0.72
1:B:35:MET:HB3	1:B:45:ILE:HB	1.71	0.72
1:B:134:LEU:HD12	1:B:164:VAL:HG21	1.69	0.72
1:B:298:LYS:NZ	1:B:316:VAL:HA	2.04	0.72
1:B:412:GLU:HA	1:B:423:PRO:CD	2.19	0.72
1:B:542:ILE:HG22	1:B:573:ILE:HD12	1.71	0.72
1:C:150:ASP:H	1:C:287:HIS:CB	2.01	0.72
1:D:235:LYS:HB3	1:D:236:PRO:HD2	1.70	0.72
1:D:277:ALA:C	1:E:119:VAL:CB	2.56	0.72
1:E:69:GLN:HG2	1:E:71:GLU:N	2.04	0.72
1:E:193:LEU:HD22	1:E:224:ILE:HD12	1.70	0.72
1:E:298:LYS:NZ	1:E:316:VAL:HA	2.04	0.72
1:F:69:GLN:HG2	1:F:71:GLU:N	2.04	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:134:LEU:HD12	1:F:164:VAL:HG21	1.69	0.72
1:F:256:PHE:O	1:F:259:SER:HB2	1.89	0.72
1:F:369:PHE:O	1:F:372:LEU:HD22	1.89	0.72
1:G:5:THR:HG21	1:G:73:VAL:HG11	1.69	0.72
1:G:122:LYS:HB2	1:G:304:TYR:CD2	2.24	0.72
1:G:127:ARG:HE	1:G:292:LEU:HD11	1.51	0.72
1:G:171:GLN:HA	1:G:174:MET:CE	2.18	0.72
1:G:298:LYS:NZ	1:G:316:VAL:HA	2.04	0.72
1:G:524:TYR:O	1:G:528:ILE:HG23	1.89	0.72
1:G:563:ARG:HG2	1:G:1039:UNK:HA	1.71	0.72
1:H:256:PHE:O	1:H:259:SER:HB2	1.89	0.72
1:H:381:ILE:HG22	1:H:470:HIS:NE2	2.04	0.72
1:I:69:GLN:HG2	1:I:71:GLU:N	2.04	0.72
1:I:119:VAL:CB	1:J:277:ALA:C	2.56	0.72
1:I:369:PHE:O	1:I:372:LEU:HD22	1.89	0.72
1:J:12:TYR:O	1:J:15:ILE:HG23	1.88	0.72
1:J:33:GLN:O	1:J:36:PRO:HD2	1.89	0.72
1:J:235:LYS:HB3	1:J:236:PRO:HD2	1.70	0.72
1:J:515:LEU:HD13	1:J:519:GLN:HB2	1.69	0.72
1:K:114:TYR:HD1	1:L:280:THR:HG23	0.92	0.72
1:K:130:PRO:HG2	1:K:292:LEU:CD2	2.18	0.72
1:L:256:PHE:O	1:L:259:SER:HB2	1.89	0.72
1:L:412:GLU:HA	1:L:423:PRO:CD	2.19	0.72
1:M:262:ILE:HG22	1:M:264:LEU:CD1	2.19	0.72
1:M:286:ASP:HB3	1:M:288:HIS:CA	2.19	0.72
1:N:256:PHE:O	1:N:259:SER:HB2	1.89	0.72
1:O:33:GLN:O	1:O:36:PRO:HD2	1.89	0.72
1:O:122:LYS:HB2	1:O:304:TYR:CD2	2.24	0.72
1:O:127:ARG:HE	1:O:292:LEU:HD11	1.51	0.72
1:O:412:GLU:HA	1:O:423:PRO:CD	2.19	0.72
1:O:524:TYR:O	1:O:528:ILE:HG23	1.89	0.72
1:O:542:ILE:HG22	1:O:573:ILE:HD12	1.71	0.72
1:P:69:GLN:HG2	1:P:71:GLU:N	2.04	0.72
1:P:256:PHE:O	1:P:259:SER:HB2	1.89	0.72
1:A:256:PHE:O	1:A:259:SER:HB2	1.89	0.72
1:A:262:ILE:HG22	1:A:264:LEU:CD1	2.19	0.72
1:A:344:VAL:CG1	1:A:429:LEU:HD21	2.20	0.72
1:B:19:PHE:HZ	1:J:87:PHE:HB2	1.48	0.72
1:B:39:ILE:HD12	1:B:72:MET:HG3	1.71	0.72
1:B:55:VAL:O	1:B:58:THR:HG22	1.89	0.72
1:B:256:PHE:O	1:B:259:SER:HB2	1.89	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:381:ILE:HG22	1:B:470:HIS:NE2	2.04	0.72
1:D:77:VAL:O	1:D:80:VAL:HG12	1.90	0.72
1:D:87:PHE:HB2	1:L:19:PHE:HZ	1.48	0.72
1:D:130:PRO:HG2	1:D:292:LEU:CD2	2.18	0.72
1:D:242:LEU:O	1:D:262:ILE:HD13	1.87	0.72
1:E:61:LEU:O	1:E:64:THR:HG22	1.89	0.72
1:E:256:PHE:O	1:E:259:SER:HB2	1.89	0.72
1:E:369:PHE:O	1:E:372:LEU:HD22	1.89	0.72
1:F:171:GLN:HA	1:F:174:MET:CE	2.18	0.72
1:G:33:GLN:O	1:G:36:PRO:HD2	1.89	0.72
1:G:326:ILE:HG13	1:G:348:LYS:HB2	1.71	0.72
1:G:412:GLU:HA	1:G:423:PRO:CD	2.19	0.72
1:H:61:LEU:O	1:H:64:THR:HG22	1.89	0.72
1:H:542:ILE:HG22	1:H:573:ILE:HD12	1.71	0.72
1:I:61:LEU:O	1:I:64:THR:HG22	1.89	0.72
1:I:256:PHE:O	1:I:259:SER:HB2	1.89	0.72
1:J:77:VAL:O	1:J:80:VAL:HG12	1.90	0.72
1:L:39:ILE:HD12	1:L:72:MET:HG3	1.71	0.72
1:M:35:MET:HB3	1:M:45:ILE:HB	1.71	0.72
1:M:344:VAL:CG1	1:M:429:LEU:HD21	2.20	0.72
1:M:381:ILE:HG22	1:M:470:HIS:NE2	2.04	0.72
1:N:61:LEU:O	1:N:64:THR:HG22	1.89	0.72
1:N:542:ILE:HG22	1:N:573:ILE:HD12	1.71	0.72
1:O:563:ARG:HG2	1:O:1039:UNK:HA	1.71	0.72
1:A:65:LEU:HA	1:A:72:MET:CE	2.20	0.72
1:A:381:ILE:HG22	1:A:470:HIS:NE2	2.04	0.72
1:B:235:LYS:HB3	1:B:236:PRO:HD2	1.70	0.72
1:B:280:THR:HG23	1:C:114:TYR:HD1	0.92	0.72
1:C:266:THR:HG22	1:C:268:PHE:H	1.55	0.72
1:C:326:ILE:HG13	1:C:348:LYS:HB2	1.71	0.72
1:D:412:GLU:HA	1:D:423:PRO:CD	2.19	0.72
1:D:515:LEU:HD13	1:D:519:GLN:HB2	1.69	0.72
1:E:55:VAL:O	1:E:58:THR:HG22	1.89	0.72
1:F:33:GLN:O	1:F:36:PRO:HD2	1.89	0.72
1:G:542:ILE:HG22	1:G:573:ILE:HD12	1.71	0.72
1:H:369:PHE:O	1:H:372:LEU:HD22	1.89	0.72
1:I:55:VAL:O	1:I:58:THR:HG22	1.89	0.72
1:I:193:LEU:HD22	1:I:224:ILE:HD12	1.70	0.72
1:I:298:LYS:NZ	1:I:316:VAL:HA	2.04	0.72
1:I:591:UNK:CB	1:I:1321:UNK:HA	2.20	0.72
1:J:242:LEU:O	1:J:262:ILE:HD13	1.87	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:412:GLU:HA	1:J:423:PRO:CD	2.19	0.72
1:K:134:LEU:HD12	1:K:164:VAL:HG21	1.69	0.72
1:K:266:THR:HG22	1:K:268:PHE:H	1.55	0.72
1:K:326:ILE:HG13	1:K:348:LYS:HB2	1.71	0.72
1:L:55:VAL:O	1:L:58:THR:HG22	1.89	0.72
1:L:381:ILE:HG22	1:L:470:HIS:NE2	2.04	0.72
1:M:65:LEU:HA	1:M:72:MET:CE	2.20	0.72
1:M:256:PHE:O	1:M:259:SER:HB2	1.89	0.72
1:M:298:LYS:NZ	1:M:316:VAL:HA	2.04	0.72
1:O:171:GLN:HA	1:O:174:MET:CE	2.18	0.72
1:O:326:ILE:HG13	1:O:348:LYS:HB2	1.71	0.72
1:P:492:LEU:O	1:P:492:LEU:HD22	1.89	0.72
1:C:69:GLN:HG2	1:C:71:GLU:N	2.04	0.72
1:C:77:VAL:O	1:C:80:VAL:HG12	1.90	0.72
1:C:134:LEU:HD12	1:C:164:VAL:HG21	1.69	0.72
1:C:349:LEU:HA	1:C:352:ILE:HD12	1.72	0.72
1:D:150:ASP:H	1:D:287:HIS:CB	2.01	0.72
1:D:286:ASP:HB3	1:D:288:HIS:CA	2.19	0.72
1:D:344:VAL:CG1	1:D:429:LEU:HD21	2.20	0.72
1:D:492:LEU:HD22	1:D:492:LEU:O	1.89	0.72
1:E:35:MET:HB3	1:E:45:ILE:HB	1.71	0.72
1:E:77:VAL:O	1:E:80:VAL:HG12	1.90	0.72
1:E:80:VAL:HG13	1:E:89:MET:HB2	1.72	0.72
1:E:349:LEU:HA	1:E:352:ILE:HD12	1.72	0.72
1:E:591:UNK:CB	1:E:1321:UNK:HA	2.20	0.72
1:F:349:LEU:HA	1:F:352:ILE:HD12	1.72	0.72
1:F:492:LEU:HD22	1:F:492:LEU:O	1.89	0.72
1:G:277:ALA:C	1:H:119:VAL:CB	2.56	0.72
1:G:286:ASP:HB3	1:G:288:HIS:CA	2.19	0.72
1:H:32:VAL:CG1	1:H:45:ILE:HD13	2.20	0.72
1:H:35:MET:HB3	1:H:45:ILE:HB	1.71	0.72
1:H:122:LYS:HB2	1:H:304:TYR:CD2	2.24	0.72
1:H:286:ASP:HB3	1:H:288:HIS:CA	2.19	0.72
1:I:77:VAL:O	1:I:80:VAL:HG12	1.90	0.72
1:J:492:LEU:HD22	1:J:492:LEU:O	1.89	0.72
1:K:69:GLN:HG2	1:K:71:GLU:N	2.04	0.72
1:K:77:VAL:O	1:K:80:VAL:HG12	1.90	0.72
1:K:349:LEU:HA	1:K:352:ILE:HD12	1.72	0.72
1:L:120:PHE:HD1	1:L:121:ALA:H	1.36	0.72
1:M:138:LEU:O	1:M:138:LEU:HD23	1.90	0.72
1:N:32:VAL:CG1	1:N:45:ILE:HD13	2.20	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:119:VAL:CB	1:O:277:ALA:C	2.56	0.72
1:N:122:LYS:HB2	1:N:304:TYR:CD2	2.24	0.72
1:N:286:ASP:HB3	1:N:288:HIS:CA	2.19	0.72
1:N:369:PHE:O	1:N:372:LEU:HD22	1.89	0.72
1:O:35:MET:HB3	1:O:45:ILE:HB	1.71	0.72
1:O:193:LEU:HD22	1:O:224:ILE:HD12	1.70	0.72
1:O:286:ASP:HB3	1:O:288:HIS:CA	2.19	0.72
1:P:33:GLN:O	1:P:36:PRO:HD2	1.89	0.72
1:P:171:GLN:HA	1:P:174:MET:CE	2.18	0.72
1:A:298:LYS:NZ	1:A:316:VAL:HA	2.04	0.72
1:B:32:VAL:CG1	1:B:45:ILE:HD13	2.20	0.72
1:B:120:PHE:HD1	1:B:121:ALA:H	1.36	0.72
1:B:382:PRO:HG2	1:B:385:LEU:CD1	2.20	0.72
1:C:256:PHE:O	1:C:259:SER:HB2	1.89	0.72
1:C:357:LEU:HD13	1:C:357:LEU:O	1.90	0.72
1:D:262:ILE:HG22	1:D:264:LEU:CD1	2.19	0.72
1:D:349:LEU:HA	1:D:352:ILE:HD12	1.72	0.72
1:E:1:MET:HB3	1:E:5:THR:HB	1.72	0.72
1:E:266:THR:HG22	1:E:268:PHE:H	1.55	0.72
1:F:1:MET:HB3	1:F:5:THR:HB	1.72	0.72
1:F:80:VAL:HG13	1:F:89:MET:HB2	1.72	0.72
1:F:138:LEU:HD23	1:F:138:LEU:O	1.90	0.72
1:F:344:VAL:CG1	1:F:429:LEU:HD21	2.20	0.72
1:F:382:PRO:CA	1:F:419:THR:HG22	2.20	0.72
1:F:591:UNK:CB	1:F:1321:UNK:HA	2.20	0.72
1:G:35:MET:HB3	1:G:45:ILE:HB	1.71	0.72
1:G:492:LEU:HD22	1:G:492:LEU:O	1.89	0.72
1:H:65:LEU:HA	1:H:72:MET:CE	2.20	0.72
1:H:235:LYS:HB3	1:H:236:PRO:HD2	1.70	0.72
1:I:1:MET:HB3	1:I:5:THR:HB	1.72	0.72
1:I:35:MET:HB3	1:I:45:ILE:HB	1.71	0.72
1:I:80:VAL:HG13	1:I:89:MET:HB2	1.72	0.72
1:I:349:LEU:HA	1:I:352:ILE:HD12	1.72	0.72
1:J:262:ILE:HG22	1:J:264:LEU:CD1	2.19	0.72
1:J:286:ASP:HB3	1:J:288:HIS:CA	2.19	0.72
1:J:344:VAL:CG1	1:J:429:LEU:HD21	2.20	0.72
1:J:591:UNK:CB	1:J:1321:UNK:HA	2.20	0.72
1:K:256:PHE:O	1:K:259:SER:HB2	1.89	0.72
1:K:268:PHE:CD2	1:K:271:VAL:HG23	2.21	0.72
1:K:357:LEU:O	1:K:357:LEU:HD13	1.90	0.72
1:K:381:ILE:HG22	1:K:470:HIS:NE2	2.04	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:32:VAL:CG1	1:L:45:ILE:HD13	2.20	0.72
1:L:65:LEU:HA	1:L:72:MET:CE	2.20	0.72
1:L:77:VAL:O	1:L:80:VAL:HG12	1.90	0.72
1:L:235:LYS:HB3	1:L:236:PRO:HD2	1.70	0.72
1:N:35:MET:HB3	1:N:45:ILE:HB	1.71	0.72
1:N:65:LEU:HA	1:N:72:MET:CE	2.20	0.72
1:N:235:LYS:HB3	1:N:236:PRO:HD2	1.70	0.72
1:P:344:VAL:CG1	1:P:429:LEU:HD21	2.20	0.72
1:P:349:LEU:HA	1:P:352:ILE:HD12	1.72	0.72
1:P:382:PRO:CA	1:P:419:THR:HG22	2.20	0.72
1:A:138:LEU:O	1:A:138:LEU:HD23	1.90	0.72
1:A:524:TYR:O	1:A:528:ILE:HG23	1.89	0.72
1:B:65:LEU:HA	1:B:72:MET:CE	2.20	0.72
1:B:77:VAL:O	1:B:80:VAL:HG12	1.90	0.72
1:B:193:LEU:HD22	1:B:224:ILE:HD12	1.70	0.72
1:C:120:PHE:HD1	1:C:121:ALA:H	1.36	0.72
1:C:382:PRO:HG2	1:C:385:LEU:CD1	2.20	0.72
1:D:1:MET:HB3	1:D:5:THR:HB	1.72	0.72
1:D:32:VAL:CG1	1:D:45:ILE:HD13	2.20	0.72
1:D:61:LEU:O	1:D:64:THR:HG22	1.89	0.72
1:D:591:UNK:CB	1:D:1321:UNK:HA	2.20	0.72
1:E:122:LYS:HB2	1:E:304:TYR:CD2	2.24	0.72
1:I:122:LYS:HB2	1:I:304:TYR:CD2	2.24	0.72
1:I:266:THR:HG22	1:I:268:PHE:H	1.55	0.72
1:J:150:ASP:H	1:J:287:HIS:CB	2.01	0.72
1:J:349:LEU:HA	1:J:352:ILE:HD12	1.72	0.72
1:J:369:PHE:O	1:J:372:LEU:HD22	1.89	0.72
1:K:120:PHE:HD1	1:K:121:ALA:H	1.36	0.72
1:K:286:ASP:HA	1:K:287:HIS:CB	2.18	0.72
1:K:382:PRO:HG2	1:K:385:LEU:CD1	2.20	0.72
1:L:193:LEU:HD22	1:L:224:ILE:HD12	1.70	0.72
1:L:382:PRO:HG2	1:L:385:LEU:CD1	2.20	0.72
1:M:39:ILE:HD12	1:M:72:MET:HG3	1.71	0.72
1:M:382:PRO:CA	1:M:419:THR:HG22	2.20	0.72
1:N:357:LEU:HD13	1:N:357:LEU:O	1.90	0.72
1:O:138:LEU:O	1:O:138:LEU:HD23	1.90	0.72
1:O:492:LEU:HD22	1:O:492:LEU:O	1.89	0.72
1:P:1:MET:HB3	1:P:5:THR:HB	1.72	0.72
1:P:80:VAL:HG13	1:P:89:MET:HB2	1.72	0.72
1:P:120:PHE:HD1	1:P:121:ALA:H	1.36	0.72
1:P:138:LEU:O	1:P:138:LEU:HD23	1.90	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:357:LEU:HD13	1:P:357:LEU:O	1.90	0.72
1:P:591:UNK:CB	1:P:1321:UNK:HA	2.20	0.72
1:A:357:LEU:HD13	1:A:357:LEU:O	1.90	0.72
1:A:382:PRO:CA	1:A:419:THR:HG22	2.20	0.72
1:C:286:ASP:HA	1:C:287:HIS:CB	2.18	0.72
1:C:381:ILE:HG22	1:C:470:HIS:NE2	2.04	0.72
1:D:369:PHE:O	1:D:372:LEU:HD22	1.89	0.72
1:E:262:ILE:HG22	1:E:264:LEU:CD1	2.19	0.72
1:E:357:LEU:HD13	1:E:357:LEU:O	1.90	0.72
1:F:298:LYS:NZ	1:F:316:VAL:HA	2.04	0.72
1:F:357:LEU:HD13	1:F:357:LEU:O	1.90	0.72
1:G:80:VAL:HG13	1:G:89:MET:HB2	1.72	0.72
1:G:193:LEU:HD22	1:G:224:ILE:HD12	1.70	0.72
1:H:138:LEU:O	1:H:138:LEU:HD23	1.90	0.72
1:H:357:LEU:HD13	1:H:357:LEU:O	1.90	0.72
1:H:382:PRO:CA	1:H:419:THR:HG22	2.20	0.72
1:I:262:ILE:HG22	1:I:264:LEU:CD1	2.19	0.72
1:J:1:MET:HB3	1:J:5:THR:HB	1.72	0.72
1:J:32:VAL:CG1	1:J:45:ILE:HD13	2.20	0.72
1:K:35:MET:HB3	1:K:45:ILE:HB	1.71	0.72
1:K:344:VAL:CG1	1:K:429:LEU:HD21	2.20	0.72
1:L:262:ILE:HG22	1:L:264:LEU:CD1	2.19	0.72
1:M:77:VAL:O	1:M:80:VAL:HG12	1.90	0.72
1:M:524:TYR:O	1:M:528:ILE:HG23	1.89	0.72
1:N:382:PRO:CA	1:N:419:THR:HG22	2.20	0.72
1:O:119:VAL:CB	1:P:277:ALA:C	2.56	0.72
1:P:563:ARG:HG2	1:P:1039:UNK:HA	1.71	0.72
1:A:39:ILE:HD12	1:A:72:MET:HG3	1.71	0.72
1:A:382:PRO:HG2	1:A:385:LEU:CD1	2.20	0.72
1:B:349:LEU:HA	1:B:352:ILE:HD12	1.72	0.72
1:B:524:TYR:O	1:B:528:ILE:HG23	1.89	0.72
1:C:35:MET:HB3	1:C:45:ILE:HB	1.71	0.72
1:C:262:ILE:HG22	1:C:264:LEU:CD1	2.19	0.72
1:C:344:VAL:CG1	1:C:429:LEU:HD21	2.20	0.72
1:D:80:VAL:HG13	1:D:89:MET:HB2	1.72	0.72
1:D:371:ARG:HB3	1:D:389:ILE:CG2	2.20	0.72
1:E:87:PHE:HB2	1:M:19:PHE:HZ	1.48	0.72
1:E:563:ARG:HG2	1:E:1039:UNK:HA	1.71	0.72
1:F:120:PHE:HD1	1:F:121:ALA:H	1.36	0.72
1:F:193:LEU:HD22	1:F:224:ILE:HD12	1.70	0.72
1:F:563:ARG:HG2	1:F:1039:UNK:HA	1.71	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:39:ILE:HD12	1:G:72:MET:HG3	1.71	0.72
1:G:138:LEU:O	1:G:138:LEU:HD23	1.90	0.72
1:G:266:THR:HG22	1:G:268:PHE:H	1.55	0.72
1:H:412:GLU:HA	1:H:423:PRO:CD	2.19	0.72
1:I:357:LEU:HD13	1:I:357:LEU:O	1.90	0.72
1:J:61:LEU:O	1:J:64:THR:HG22	1.89	0.72
1:J:371:ARG:HB3	1:J:389:ILE:CG2	2.20	0.72
1:K:65:LEU:HA	1:K:72:MET:CE	2.20	0.72
1:K:262:ILE:HG22	1:K:264:LEU:CD1	2.19	0.72
1:K:382:PRO:CA	1:K:419:THR:HG22	2.20	0.72
1:L:286:ASP:HB3	1:L:288:HIS:CA	2.19	0.72
1:L:524:TYR:O	1:L:528:ILE:HG23	1.89	0.72
1:N:412:GLU:HA	1:N:423:PRO:CD	2.19	0.72
1:P:298:LYS:NZ	1:P:316:VAL:HA	2.04	0.72
1:A:77:VAL:O	1:A:80:VAL:HG12	1.90	0.72
1:A:193:LEU:HD22	1:A:224:ILE:HD12	1.70	0.72
1:B:61:LEU:O	1:B:64:THR:HG22	1.89	0.72
1:B:262:ILE:HG22	1:B:264:LEU:CD1	2.19	0.72
1:C:19:PHE:HZ	1:K:87:PHE:HB2	1.48	0.72
1:C:32:VAL:CG1	1:C:45:ILE:HD13	2.20	0.72
1:C:65:LEU:HA	1:C:72:MET:CE	2.20	0.72
1:C:382:PRO:CA	1:C:419:THR:HG22	2.20	0.72
1:C:440:HIS:O	1:C:443:ILE:HG22	1.90	0.72
1:E:32:VAL:CG1	1:E:45:ILE:HD13	2.20	0.72
1:E:371:ARG:HB3	1:E:389:ILE:CG2	2.20	0.72
1:F:601:UNK:CA	1:F:601:UNK:O	2.37	0.72
1:G:65:LEU:HA	1:G:72:MET:CE	2.20	0.72
1:G:344:VAL:CG1	1:G:429:LEU:HD21	2.20	0.72
1:H:524:TYR:O	1:H:528:ILE:HG23	1.89	0.72
1:H:538:LEU:HD11	1:H:572:ALA:CB	2.20	0.72
1:I:286:ASP:HB3	1:I:288:HIS:CA	2.19	0.72
1:I:371:ARG:HB3	1:I:389:ILE:CG2	2.20	0.72
1:I:563:ARG:HG2	1:I:1039:UNK:HA	1.71	0.72
1:J:80:VAL:HG13	1:J:89:MET:HB2	1.72	0.72
1:J:286:ASP:HA	1:J:287:HIS:CB	2.18	0.72
1:J:563:ARG:HG2	1:J:1039:UNK:HA	1.71	0.72
1:K:61:LEU:O	1:K:64:THR:HG22	1.89	0.72
1:K:122:LYS:HB2	1:K:304:TYR:CD2	2.24	0.72
1:L:349:LEU:HA	1:L:352:ILE:HD12	1.72	0.72
1:M:55:VAL:O	1:M:58:THR:HG22	1.89	0.72
1:M:357:LEU:HD13	1:M:357:LEU:O	1.90	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:382:PRO:HG2	1:M:385:LEU:CD1	2.20	0.72
1:N:138:LEU:O	1:N:138:LEU:HD23	1.90	0.72
1:N:381:ILE:HG22	1:N:470:HIS:NE2	2.04	0.72
1:N:524:TYR:O	1:N:528:ILE:HG23	1.89	0.72
1:N:538:LEU:HD11	1:N:572:ALA:CB	2.20	0.72
1:O:39:ILE:HD12	1:O:72:MET:HG3	1.71	0.72
1:O:266:THR:HG22	1:O:268:PHE:H	1.55	0.72
1:O:349:LEU:HA	1:O:352:ILE:HD12	1.72	0.72
1:A:19:PHE:HZ	1:I:87:PHE:HB2	1.48	0.72
1:A:141:LEU:HD22	1:A:143:PRO:O	1.90	0.72
1:B:266:THR:HG22	1:B:268:PHE:H	1.55	0.72
1:B:286:ASP:HB3	1:B:288:HIS:CA	2.19	0.72
1:B:335:LEU:O	1:B:340:ASN:HB2	1.90	0.72
1:C:61:LEU:O	1:C:64:THR:HG22	1.89	0.72
1:C:122:LYS:HB2	1:C:304:TYR:CD2	2.24	0.72
1:C:277:ALA:C	1:D:119:VAL:CB	2.56	0.72
1:D:35:MET:HB3	1:D:45:ILE:HB	1.71	0.72
1:D:286:ASP:HA	1:D:287:HIS:CB	2.18	0.72
1:D:335:LEU:O	1:D:340:ASN:HB2	1.90	0.72
1:D:360:LEU:CD2	1:D:405:LEU:HD13	2.16	0.72
1:D:440:HIS:O	1:D:443:ILE:HG22	1.90	0.72
1:E:120:PHE:HD1	1:E:121:ALA:H	1.36	0.72
1:F:32:VAL:CG1	1:F:45:ILE:HD13	2.20	0.72
1:F:55:VAL:O	1:F:58:THR:HG22	1.89	0.72
1:F:65:LEU:HD13	1:F:72:MET:HE2	1.72	0.72
1:G:1:MET:HB3	1:G:5:THR:HB	1.72	0.72
1:G:591:UNK:CB	1:G:1321:UNK:HA	2.20	0.72
1:I:32:VAL:CG1	1:I:45:ILE:HD13	2.20	0.72
1:J:119:VAL:CB	1:K:277:ALA:C	2.56	0.72
1:J:335:LEU:O	1:J:340:ASN:HB2	1.90	0.72
1:J:382:PRO:HG2	1:J:385:LEU:CD1	2.20	0.72
1:K:32:VAL:CG1	1:K:45:ILE:HD13	2.20	0.72
1:K:193:LEU:HD22	1:K:224:ILE:HD12	1.70	0.72
1:K:440:HIS:O	1:K:443:ILE:HG22	1.90	0.72
1:L:61:LEU:O	1:L:64:THR:HG22	1.89	0.72
1:L:335:LEU:O	1:L:340:ASN:HB2	1.90	0.72
1:M:141:LEU:HD22	1:M:143:PRO:O	1.90	0.72
1:M:193:LEU:HD22	1:M:224:ILE:HD12	1.70	0.72
1:M:349:LEU:HA	1:M:352:ILE:HD12	1.72	0.72
1:N:69:GLN:HG2	1:N:71:GLU:N	2.04	0.72
1:O:1:MET:HB3	1:O:5:THR:HB	1.72	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:65:LEU:HA	1:O:72:MET:CE	2.20	0.72
1:O:80:VAL:HG13	1:O:89:MET:HB2	1.72	0.72
1:O:256:PHE:O	1:O:259:SER:HB2	1.89	0.72
1:O:344:VAL:CG1	1:O:429:LEU:HD21	2.20	0.72
1:P:326:ILE:HG13	1:P:348:LYS:HB2	1.71	0.72
1:P:601:UNK:CA	1:P:601:UNK:O	2.37	0.72
1:A:55:VAL:O	1:A:58:THR:HG22	1.89	0.71
1:A:120:PHE:HD1	1:A:121:ALA:H	1.36	0.71
1:B:369:PHE:O	1:B:372:LEU:HD22	1.89	0.71
1:C:1:MET:HB3	1:C:5:THR:HB	1.72	0.71
1:C:87:PHE:HB2	1:K:19:PHE:HE2	1.46	0.71
1:C:141:LEU:HD22	1:C:143:PRO:O	1.90	0.71
1:C:193:LEU:HD22	1:C:224:ILE:HD12	1.70	0.71
1:C:335:LEU:O	1:C:340:ASN:HB2	1.90	0.71
1:C:412:GLU:HA	1:C:423:PRO:CD	2.19	0.71
1:D:382:PRO:HG2	1:D:385:LEU:CD1	2.20	0.71
1:D:563:ARG:HG2	1:D:1039:UNK:HA	1.71	0.71
1:E:286:ASP:HB3	1:E:288:HIS:CA	2.19	0.71
1:F:122:LYS:HB2	1:F:304:TYR:CD2	2.24	0.71
1:F:326:ILE:HG13	1:F:348:LYS:HB2	1.71	0.71
1:G:141:LEU:HD22	1:G:143:PRO:O	1.90	0.71
1:G:349:LEU:HA	1:G:352:ILE:HD12	1.72	0.71
1:H:69:GLN:HG2	1:H:71:GLU:N	2.04	0.71
1:H:382:PRO:HG2	1:H:385:LEU:CD1	2.20	0.71
1:I:120:PHE:HD1	1:I:121:ALA:H	1.36	0.71
1:I:440:HIS:O	1:I:443:ILE:HG22	1.90	0.71
1:J:35:MET:HB3	1:J:45:ILE:HB	1.71	0.71
1:J:69:GLN:HG2	1:J:71:GLU:N	2.04	0.71
1:J:440:HIS:O	1:J:443:ILE:HG22	1.90	0.71
1:K:141:LEU:HD22	1:K:143:PRO:O	1.90	0.71
1:K:335:LEU:O	1:K:340:ASN:HB2	1.90	0.71
1:M:120:PHE:HD1	1:M:121:ALA:H	1.36	0.71
1:M:601:UNK:CA	1:M:601:UNK:O	2.37	0.71
1:N:344:VAL:CG1	1:N:429:LEU:HD21	2.20	0.71
1:O:141:LEU:HD22	1:O:143:PRO:O	1.90	0.71
1:O:381:ILE:HG22	1:O:470:HIS:NE2	2.04	0.71
1:O:591:UNK:CB	1:O:1321:UNK:HA	2.20	0.71
1:P:32:VAL:CG1	1:P:45:ILE:HD13	2.20	0.71
1:P:61:LEU:O	1:P:64:THR:HG22	1.89	0.71
1:P:193:LEU:HD22	1:P:224:ILE:HD12	1.70	0.71
1:A:266:THR:HG22	1:A:268:PHE:H	1.55	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:349:LEU:HA	1:A:352:ILE:HD12	1.72	0.71
1:A:601:UNK:CA	1:A:601:UNK:O	2.37	0.71
1:B:365:TYR:CE2	1:B:401:VAL:HG13	2.26	0.71
1:C:87:PHE:HB2	1:K:19:PHE:HZ	1.48	0.71
1:C:371:ARG:HB3	1:C:389:ILE:CG2	2.20	0.71
1:E:440:HIS:O	1:E:443:ILE:HG22	1.90	0.71
1:F:77:VAL:O	1:F:80:VAL:HG12	1.90	0.71
1:F:382:PRO:HG2	1:F:385:LEU:CD1	2.20	0.71
1:F:538:LEU:HD11	1:F:572:ALA:CB	2.20	0.71
1:G:256:PHE:O	1:G:259:SER:HB2	1.89	0.71
1:G:335:LEU:O	1:G:340:ASN:HB2	1.90	0.71
1:G:381:ILE:HG22	1:G:470:HIS:NE2	2.04	0.71
1:H:344:VAL:CG1	1:H:429:LEU:HD21	2.20	0.71
1:K:1:MET:HB3	1:K:5:THR:HB	1.72	0.71
1:K:412:GLU:HA	1:K:423:PRO:CD	2.19	0.71
1:L:122:LYS:HB2	1:L:304:TYR:CD2	2.24	0.71
1:L:266:THR:HG22	1:L:268:PHE:H	1.55	0.71
1:L:365:TYR:CE2	1:L:401:VAL:HG13	2.26	0.71
1:L:369:PHE:O	1:L:372:LEU:HD22	1.89	0.71
1:O:335:LEU:O	1:O:340:ASN:HB2	1.90	0.71
1:P:55:VAL:O	1:P:58:THR:HG22	1.89	0.71
1:P:122:LYS:HB2	1:P:304:TYR:CD2	2.24	0.71
1:P:538:LEU:HD11	1:P:572:ALA:CB	2.20	0.71
1:A:591:UNK:CB	1:A:1321:UNK:HA	2.20	0.71
1:B:122:LYS:HB2	1:B:304:TYR:CD2	2.24	0.71
1:B:344:VAL:CG1	1:B:429:LEU:HD21	2.20	0.71
1:B:538:LEU:HD11	1:B:572:ALA:CB	2.20	0.71
1:C:80:VAL:HG13	1:C:89:MET:HB2	1.72	0.71
1:D:19:PHE:HE2	1:L:87:PHE:HB2	1.46	0.71
1:D:69:GLN:HG2	1:D:71:GLU:N	2.04	0.71
1:D:382:PRO:CA	1:D:419:THR:HG22	2.20	0.71
1:E:335:LEU:O	1:E:340:ASN:HB2	1.90	0.71
1:F:61:LEU:O	1:F:64:THR:HG22	1.89	0.71
1:F:542:ILE:HG22	1:F:573:ILE:HD12	1.71	0.71
1:G:69:GLN:HG2	1:G:71:GLU:N	2.04	0.71
1:G:365:TYR:CE2	1:G:401:VAL:HG13	2.26	0.71
1:G:382:PRO:HG2	1:G:385:LEU:CD1	2.20	0.71
1:H:39:ILE:HD12	1:H:72:MET:HG3	1.71	0.71
1:H:365:TYR:CE2	1:H:401:VAL:HG13	2.26	0.71
1:I:335:LEU:O	1:I:340:ASN:HB2	1.90	0.71
1:J:360:LEU:CD2	1:J:405:LEU:HD13	2.16	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:371:ARG:HB3	1:K:389:ILE:CG2	2.20	0.71
1:K:591:UNK:CB	1:K:1321:UNK:HA	2.20	0.71
1:L:538:LEU:HD11	1:L:572:ALA:CB	2.20	0.71
1:M:266:THR:HG22	1:M:268:PHE:H	1.55	0.71
1:M:591:UNK:CB	1:M:1321:UNK:HA	2.20	0.71
1:N:365:TYR:CE2	1:N:401:VAL:HG13	2.26	0.71
1:N:382:PRO:HG2	1:N:385:LEU:CD1	2.20	0.71
1:P:77:VAL:O	1:P:80:VAL:HG12	1.90	0.71
1:A:335:LEU:O	1:A:340:ASN:HB2	1.90	0.71
1:A:365:TYR:CE2	1:A:401:VAL:HG13	2.26	0.71
1:A:369:PHE:O	1:A:372:LEU:HD22	1.89	0.71
1:A:492:LEU:HD22	1:A:492:LEU:O	1.89	0.71
1:A:542:ILE:HG22	1:A:573:ILE:HD12	1.71	0.71
1:B:138:LEU:HD23	1:B:138:LEU:O	1.90	0.71
1:B:382:PRO:CA	1:B:419:THR:HG22	2.20	0.71
1:B:591:UNK:CB	1:B:1321:UNK:HA	2.20	0.71
1:C:19:PHE:HE2	1:K:87:PHE:HB2	1.46	0.71
1:D:122:LYS:HB2	1:D:304:TYR:CD2	2.24	0.71
1:E:492:LEU:HD22	1:E:492:LEU:O	1.89	0.71
1:G:20:GLU:CB	1:G:24:VAL:HB	2.21	0.71
1:G:581:VAL:HG23	1:G:1034:UNK:CB	2.20	0.71
1:I:138:LEU:O	1:I:138:LEU:HD23	1.90	0.71
1:I:141:LEU:HD22	1:I:143:PRO:O	1.90	0.71
1:I:492:LEU:HD22	1:I:492:LEU:O	1.89	0.71
1:J:122:LYS:HB2	1:J:304:TYR:CD2	2.24	0.71
1:J:382:PRO:CA	1:J:419:THR:HG22	2.20	0.71
1:K:80:VAL:HG13	1:K:89:MET:HB2	1.72	0.71
1:L:268:PHE:CD2	1:L:271:VAL:HG23	2.21	0.71
1:L:344:VAL:CG1	1:L:429:LEU:HD21	2.20	0.71
1:M:412:GLU:HA	1:M:423:PRO:CD	2.19	0.71
1:M:492:LEU:HD22	1:M:492:LEU:O	1.89	0.71
1:O:20:GLU:CB	1:O:24:VAL:HB	2.21	0.71
1:O:365:TYR:CE2	1:O:401:VAL:HG13	2.26	0.71
1:O:382:PRO:HG2	1:O:385:LEU:CD1	2.20	0.71
1:O:581:VAL:HG23	1:O:1034:UNK:CB	2.20	0.71
1:P:371:ARG:HB3	1:P:389:ILE:CG2	2.20	0.71
1:P:382:PRO:HG2	1:P:385:LEU:CD1	2.20	0.71
1:B:87:PHE:HB2	1:J:19:PHE:HE2	1.46	0.71
1:B:277:ALA:C	1:C:119:VAL:CB	2.56	0.71
1:B:362:PRO:HA	1:B:366:ARG:HB2	1.72	0.71
1:C:286:ASP:HB3	1:C:288:HIS:CA	2.19	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:458:LEU:HD11	1:C:579:LYS:HE2	1.73	0.71
1:C:591:UNK:CB	1:C:1321:UNK:HA	2.20	0.71
1:D:55:VAL:O	1:D:58:THR:HG22	1.89	0.71
1:D:109:GLN:OE1	1:D:166:LEU:HA	1.91	0.71
1:D:138:LEU:O	1:D:138:LEU:HD23	1.90	0.71
1:E:138:LEU:O	1:E:138:LEU:HD23	1.90	0.71
1:E:141:LEU:HD22	1:E:143:PRO:O	1.90	0.71
1:F:109:GLN:OE1	1:F:166:LEU:HA	1.91	0.71
1:F:286:ASP:HB3	1:F:288:HIS:CA	2.19	0.71
1:F:362:PRO:HA	1:F:366:ARG:HB2	1.72	0.71
1:F:371:ARG:HB3	1:F:389:ILE:CG2	2.20	0.71
1:G:61:LEU:O	1:G:64:THR:HG22	1.89	0.71
1:G:357:LEU:O	1:G:357:LEU:HD13	1.90	0.71
1:G:473:HIS:HA	1:G:527:TYR:CZ	2.26	0.71
1:H:266:THR:HG22	1:H:268:PHE:H	1.55	0.71
1:H:349:LEU:HA	1:H:352:ILE:HD12	1.72	0.71
1:H:492:LEU:O	1:H:492:LEU:HD22	1.89	0.71
1:I:326:ILE:HG13	1:I:348:LYS:HB2	1.71	0.71
1:I:344:VAL:CG1	1:I:429:LEU:HD21	2.20	0.71
1:J:109:GLN:OE1	1:J:166:LEU:HA	1.91	0.71
1:K:55:VAL:O	1:K:58:THR:HG22	1.89	0.71
1:K:119:VAL:CB	1:L:277:ALA:C	2.56	0.71
1:K:138:LEU:O	1:K:138:LEU:HD23	1.90	0.71
1:K:458:LEU:HD11	1:K:579:LYS:HE2	1.73	0.71
1:L:138:LEU:O	1:L:138:LEU:HD23	1.90	0.71
1:L:382:PRO:CA	1:L:419:THR:HG22	2.20	0.71
1:L:440:HIS:O	1:L:443:ILE:HG22	1.90	0.71
1:L:591:UNK:CB	1:L:1321:UNK:HA	2.20	0.71
1:M:20:GLU:CB	1:M:24:VAL:HB	2.21	0.71
1:M:335:LEU:O	1:M:340:ASN:HB2	1.90	0.71
1:M:365:TYR:CE2	1:M:401:VAL:HG13	2.26	0.71
1:N:39:ILE:HD12	1:N:72:MET:HG3	1.71	0.71
1:N:268:PHE:CD2	1:N:271:VAL:HG23	2.21	0.71
1:N:349:LEU:HA	1:N:352:ILE:HD12	1.72	0.71
1:N:492:LEU:HD22	1:N:492:LEU:O	1.89	0.71
1:O:69:GLN:HG2	1:O:71:GLU:N	2.04	0.71
1:O:382:PRO:CA	1:O:419:THR:HG22	2.20	0.71
1:P:362:PRO:HA	1:P:366:ARG:HB2	1.72	0.71
1:A:32:VAL:CG1	1:A:45:ILE:HD13	2.20	0.71
1:A:61:LEU:O	1:A:64:THR:HG22	1.89	0.71
1:A:412:GLU:HA	1:A:423:PRO:CD	2.19	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:1:MET:HB3	1:B:5:THR:HB	1.72	0.71
1:B:141:LEU:HD22	1:B:143:PRO:O	1.90	0.71
1:B:440:HIS:O	1:B:443:ILE:HG22	1.90	0.71
1:C:138:LEU:O	1:C:138:LEU:HD23	1.90	0.71
1:C:581:VAL:HG23	1:C:1034:UNK:CB	2.20	0.71
1:E:326:ILE:HG13	1:E:348:LYS:HB2	1.71	0.71
1:E:344:VAL:CG1	1:E:429:LEU:HD21	2.20	0.71
1:E:382:PRO:HG2	1:E:385:LEU:CD1	2.20	0.71
1:F:65:LEU:HA	1:F:72:MET:CE	2.20	0.71
1:G:109:GLN:OE1	1:G:166:LEU:HA	1.91	0.71
1:I:381:ILE:HG22	1:I:470:HIS:NE2	2.04	0.71
1:J:138:LEU:HD23	1:J:138:LEU:O	1.90	0.71
1:K:369:PHE:O	1:K:372:LEU:HD22	1.89	0.71
1:K:581:VAL:HG23	1:K:1034:UNK:CB	2.20	0.71
1:L:1:MET:HB3	1:L:5:THR:HB	1.72	0.71
1:L:362:PRO:HA	1:L:366:ARG:HB2	1.72	0.71
1:M:122:LYS:HB2	1:M:304:TYR:CD2	2.24	0.71
1:M:369:PHE:O	1:M:372:LEU:HD22	1.89	0.71
1:N:601:UNK:CA	1:N:601:UNK:O	2.37	0.71
1:O:61:LEU:O	1:O:64:THR:HG22	1.89	0.71
1:O:109:GLN:OE1	1:O:166:LEU:HA	1.91	0.71
1:O:473:HIS:HA	1:O:527:TYR:CZ	2.26	0.71
1:P:109:GLN:OE1	1:P:166:LEU:HA	1.91	0.71
1:P:286:ASP:HB3	1:P:288:HIS:CA	2.19	0.71
1:P:542:ILE:HG22	1:P:573:ILE:HD12	1.71	0.71
1:A:69:GLN:HG2	1:A:71:GLU:N	2.04	0.71
1:A:109:GLN:OE1	1:A:166:LEU:HA	1.91	0.71
1:A:473:HIS:HA	1:A:527:TYR:CZ	2.26	0.71
1:B:298:LYS:HZ2	1:B:316:VAL:HA	1.55	0.71
1:B:473:HIS:HA	1:B:527:TYR:CZ	2.26	0.71
1:C:55:VAL:O	1:C:58:THR:HG22	1.89	0.71
1:C:369:PHE:O	1:C:372:LEU:HD22	1.89	0.71
1:C:524:TYR:O	1:C:528:ILE:HG23	1.89	0.71
1:E:20:GLU:CB	1:E:24:VAL:HB	2.21	0.71
1:E:360:LEU:CD2	1:E:405:LEU:HD13	2.16	0.71
1:E:381:ILE:HG22	1:E:470:HIS:NE2	2.04	0.71
1:F:141:LEU:HD22	1:F:143:PRO:O	1.90	0.71
1:F:381:ILE:HG22	1:F:470:HIS:NE2	2.04	0.71
1:F:440:HIS:O	1:F:443:ILE:HG22	1.90	0.71
1:F:473:HIS:HA	1:F:527:TYR:CZ	2.26	0.71
1:G:32:VAL:CG1	1:G:45:ILE:HD13	2.20	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:382:PRO:CA	1:G:419:THR:HG22	2.20	0.71
1:H:268:PHE:CD2	1:H:271:VAL:HG23	2.21	0.71
1:H:601:UNK:CA	1:H:601:UNK:O	2.37	0.71
1:I:360:LEU:CD2	1:I:405:LEU:HD13	2.16	0.71
1:I:382:PRO:HG2	1:I:385:LEU:CD1	2.20	0.71
1:J:55:VAL:O	1:J:58:THR:HG22	1.89	0.71
1:J:65:LEU:HA	1:J:72:MET:CE	2.20	0.71
1:J:326:ILE:HG13	1:J:348:LYS:HB2	1.71	0.71
1:J:473:HIS:HA	1:J:527:TYR:CZ	2.26	0.71
1:K:286:ASP:HB3	1:K:288:HIS:CA	2.19	0.71
1:L:80:VAL:HG13	1:L:89:MET:HB2	1.72	0.71
1:L:141:LEU:HD22	1:L:143:PRO:O	1.90	0.71
1:L:473:HIS:HA	1:L:527:TYR:CZ	2.26	0.71
1:M:109:GLN:OE1	1:M:166:LEU:HA	1.91	0.71
1:M:542:ILE:HG22	1:M:573:ILE:HD12	1.71	0.71
1:N:266:THR:HG22	1:N:268:PHE:H	1.55	0.71
1:O:357:LEU:O	1:O:357:LEU:HD13	1.90	0.71
1:P:65:LEU:HA	1:P:72:MET:CE	2.20	0.71
1:P:365:TYR:CE2	1:P:401:VAL:HG13	2.26	0.71
1:A:122:LYS:HB2	1:A:304:TYR:CD2	2.24	0.71
1:A:362:PRO:HA	1:A:366:ARG:HB2	1.72	0.71
1:B:80:VAL:HG13	1:B:89:MET:HB2	1.72	0.71
1:C:39:ILE:HD12	1:C:72:MET:HG3	1.71	0.71
1:C:365:TYR:CE2	1:C:401:VAL:HG13	2.26	0.71
1:D:65:LEU:HA	1:D:72:MET:CE	2.20	0.71
1:D:173:LYS:O	1:D:173:LYS:HD3	1.91	0.71
1:D:473:HIS:HA	1:D:527:TYR:CZ	2.26	0.71
1:F:39:ILE:HD12	1:F:72:MET:HG3	1.71	0.71
1:F:365:TYR:CE2	1:F:401:VAL:HG13	2.26	0.71
1:G:77:VAL:O	1:G:80:VAL:HG12	1.90	0.71
1:G:440:HIS:O	1:G:443:ILE:HG22	1.90	0.71
1:I:20:GLU:CB	1:I:24:VAL:HB	2.21	0.71
1:I:60:ARG:NE	1:I:128:LEU:HD11	2.06	0.71
1:I:65:LEU:HA	1:I:72:MET:CE	2.20	0.71
1:J:173:LYS:O	1:J:173:LYS:HD3	1.91	0.71
1:J:357:LEU:HD13	1:J:357:LEU:O	1.90	0.71
1:K:365:TYR:CE2	1:K:401:VAL:HG13	2.26	0.71
1:M:32:VAL:CG1	1:M:45:ILE:HD13	2.20	0.71
1:M:61:LEU:O	1:M:64:THR:HG22	1.89	0.71
1:M:69:GLN:HG2	1:M:71:GLU:N	2.04	0.71
1:M:473:HIS:HA	1:M:527:TYR:CZ	2.26	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:14:ASP:O	1:N:18:VAL:HG22	1.91	0.71
1:N:80:VAL:HG13	1:N:89:MET:HB2	1.72	0.71
1:P:39:ILE:HD12	1:P:72:MET:HG3	1.71	0.71
1:P:473:HIS:HA	1:P:527:TYR:CZ	2.26	0.71
1:B:381:ILE:O	1:B:419:THR:HB	1.91	0.71
1:B:581:VAL:HG23	1:B:1034:UNK:CB	2.20	0.71
1:B:601:UNK:CA	1:B:601:UNK:O	2.37	0.71
1:D:127:ARG:HD3	1:D:292:LEU:HD21	1.73	0.71
1:D:326:ILE:HG13	1:D:348:LYS:HB2	1.71	0.71
1:E:60:ARG:NE	1:E:128:LEU:HD11	2.06	0.71
1:E:473:HIS:HA	1:E:527:TYR:CZ	2.26	0.71
1:F:335:LEU:O	1:F:340:ASN:HB2	1.90	0.71
1:H:14:ASP:O	1:H:18:VAL:HG22	1.91	0.71
1:H:80:VAL:HG13	1:H:89:MET:HB2	1.72	0.71
1:H:141:LEU:HD22	1:H:143:PRO:O	1.90	0.71
1:H:591:UNK:CB	1:H:1321:UNK:HA	2.20	0.71
1:J:127:ARG:HD3	1:J:292:LEU:HD21	1.73	0.71
1:K:20:GLU:CB	1:K:24:VAL:HB	2.21	0.71
1:K:109:GLN:OE1	1:K:166:LEU:HA	1.91	0.71
1:K:492:LEU:HD22	1:K:492:LEU:O	1.89	0.71
1:K:524:TYR:O	1:K:528:ILE:HG23	1.89	0.71
1:L:381:ILE:O	1:L:419:THR:HB	1.91	0.71
1:L:581:VAL:HG23	1:L:1034:UNK:CB	2.20	0.71
1:M:362:PRO:HA	1:M:366:ARG:HB2	1.72	0.71
1:N:77:VAL:O	1:N:80:VAL:HG12	1.90	0.71
1:N:473:HIS:HA	1:N:527:TYR:CZ	2.26	0.71
1:N:591:UNK:CB	1:N:1321:UNK:HA	2.20	0.71
1:O:32:VAL:CG1	1:O:45:ILE:HD13	2.20	0.71
1:O:77:VAL:O	1:O:80:VAL:HG12	1.90	0.71
1:P:141:LEU:HD22	1:P:143:PRO:O	1.90	0.71
1:P:381:ILE:HG22	1:P:470:HIS:NE2	2.04	0.71
1:P:440:HIS:O	1:P:443:ILE:HG22	1.90	0.71
1:A:538:LEU:HD11	1:A:572:ALA:CB	2.20	0.71
1:B:109:GLN:OE1	1:B:166:LEU:HA	1.91	0.71
1:C:20:GLU:CB	1:C:24:VAL:HB	2.21	0.71
1:C:109:GLN:OE1	1:C:166:LEU:HA	1.91	0.71
1:C:362:PRO:HA	1:C:366:ARG:HB2	1.72	0.71
1:C:473:HIS:HA	1:C:527:TYR:CZ	2.26	0.71
1:C:492:LEU:HD22	1:C:492:LEU:O	1.89	0.71
1:D:266:THR:HG22	1:D:268:PHE:H	1.55	0.71
1:D:357:LEU:HD13	1:D:357:LEU:O	1.90	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:581:VAL:HG23	1:D:1034:UNK:CB	2.20	0.71
1:E:65:LEU:HA	1:E:72:MET:CE	2.20	0.71
1:F:266:THR:HG22	1:F:268:PHE:H	1.55	0.71
1:F:458:LEU:HD11	1:F:579:LYS:HE2	1.73	0.71
1:G:14:ASP:O	1:G:18:VAL:HG22	1.91	0.71
1:H:60:ARG:NE	1:H:128:LEU:HD11	2.06	0.71
1:H:381:ILE:O	1:H:419:THR:HB	1.91	0.71
1:H:473:HIS:HA	1:H:527:TYR:CZ	2.26	0.71
1:I:473:HIS:HA	1:I:527:TYR:CZ	2.26	0.71
1:J:120:PHE:HD1	1:J:121:ALA:H	1.36	0.71
1:J:581:VAL:HG23	1:J:1034:UNK:CB	2.20	0.71
1:K:14:ASP:O	1:K:18:VAL:HG22	1.91	0.71
1:K:39:ILE:HD12	1:K:72:MET:HG3	1.71	0.71
1:K:362:PRO:HA	1:K:366:ARG:HB2	1.72	0.71
1:L:109:GLN:OE1	1:L:166:LEU:HA	1.91	0.71
1:L:601:UNK:CA	1:L:601:UNK:O	2.37	0.71
1:O:14:ASP:O	1:O:18:VAL:HG22	1.91	0.71
1:O:440:HIS:O	1:O:443:ILE:HG22	1.90	0.71
1:P:266:THR:HG22	1:P:268:PHE:H	1.55	0.71
1:P:335:LEU:O	1:P:340:ASN:HB2	1.90	0.71
1:P:458:LEU:HD11	1:P:579:LYS:HE2	1.73	0.71
1:A:1:MET:HB3	1:A:5:THR:HB	1.72	0.70
1:A:80:VAL:HG13	1:A:89:MET:HB2	1.72	0.70
1:A:381:ILE:O	1:A:419:THR:HB	1.91	0.70
1:A:458:LEU:HD11	1:A:579:LYS:HE2	1.73	0.70
1:B:20:GLU:CB	1:B:24:VAL:HB	2.21	0.70
1:B:371:ARG:HB3	1:B:389:ILE:CG2	2.20	0.70
1:B:557:LYS:H	1:B:597:UNK:CA	2.04	0.70
1:C:14:ASP:O	1:C:18:VAL:HG22	1.91	0.70
1:D:120:PHE:HD1	1:D:121:ALA:H	1.36	0.70
1:D:256:PHE:O	1:D:259:SER:HB2	1.89	0.70
1:E:203:ILE:HG21	1:E:231:LEU:HD22	1.73	0.70
1:E:458:LEU:HD11	1:E:579:LYS:HE2	1.73	0.70
1:G:381:ILE:O	1:G:419:THR:HB	1.91	0.70
1:H:371:ARG:HB3	1:H:389:ILE:CG2	2.20	0.70
1:I:203:ILE:HG21	1:I:231:LEU:HD22	1.73	0.70
1:I:381:ILE:O	1:I:419:THR:HB	1.91	0.70
1:K:473:HIS:HA	1:K:527:TYR:CZ	2.26	0.70
1:L:69:GLN:HG2	1:L:71:GLU:N	2.04	0.70
1:L:357:LEU:HD13	1:L:357:LEU:O	1.90	0.70
1:M:1:MET:HB3	1:M:5:THR:HB	1.72	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:14:ASP:O	1:M:18:VAL:HG22	1.91	0.70
1:M:440:HIS:O	1:M:443:ILE:HG22	1.90	0.70
1:M:458:LEU:HD11	1:M:579:LYS:HE2	1.73	0.70
1:N:60:ARG:NE	1:N:128:LEU:HD11	2.06	0.70
1:N:141:LEU:HD22	1:N:143:PRO:O	1.90	0.70
1:N:173:LYS:O	1:N:173:LYS:HD3	1.91	0.70
1:N:371:ARG:HB3	1:N:389:ILE:CG2	2.20	0.70
1:N:381:ILE:O	1:N:419:THR:HB	1.91	0.70
1:O:60:ARG:NE	1:O:128:LEU:HD11	2.06	0.70
1:O:268:PHE:CD2	1:O:271:VAL:HG23	2.21	0.70
1:O:381:ILE:O	1:O:419:THR:HB	1.91	0.70
1:P:360:LEU:CD2	1:P:405:LEU:HD13	2.16	0.70
1:B:353:ILE:HG21	1:B:430:LYS:HD2	1.73	0.70
1:B:478:ILE:HG13	1:B:479:GLU:N	2.06	0.70
1:B:492:LEU:HD22	1:B:492:LEU:O	1.89	0.70
1:D:164:VAL:O	1:D:168:TYR:HB2	1.92	0.70
1:E:173:LYS:HD3	1:E:173:LYS:O	1.91	0.70
1:E:381:ILE:O	1:E:419:THR:HB	1.91	0.70
1:F:360:LEU:CD2	1:F:405:LEU:HD13	2.16	0.70
1:G:60:ARG:NE	1:G:128:LEU:HD11	2.06	0.70
1:G:538:LEU:HD11	1:G:572:ALA:CB	2.20	0.70
1:H:77:VAL:O	1:H:80:VAL:HG12	1.90	0.70
1:H:173:LYS:O	1:H:173:LYS:HD3	1.91	0.70
1:H:581:VAL:HG23	1:H:1034:UNK:CB	2.20	0.70
1:I:268:PHE:CD2	1:I:271:VAL:HG23	2.21	0.70
1:I:458:LEU:HD11	1:I:579:LYS:HE2	1.73	0.70
1:J:266:THR:HG22	1:J:268:PHE:H	1.55	0.70
1:L:20:GLU:CB	1:L:24:VAL:HB	2.21	0.70
1:L:371:ARG:HB3	1:L:389:ILE:CG2	2.20	0.70
1:L:478:ILE:HG13	1:L:479:GLU:N	2.06	0.70
1:L:557:LYS:H	1:L:597:UNK:CA	2.04	0.70
1:M:381:ILE:O	1:M:419:THR:HB	1.91	0.70
1:N:1:MET:HB3	1:N:5:THR:HB	1.72	0.70
1:O:120:PHE:HD1	1:O:121:ALA:H	1.36	0.70
1:O:262:ILE:CG2	1:O:264:LEU:HG	2.22	0.70
1:O:538:LEU:HD11	1:O:572:ALA:CB	2.20	0.70
1:P:581:VAL:HG23	1:P:1034:UNK:CB	2.20	0.70
1:A:14:ASP:O	1:A:18:VAL:HG22	1.91	0.70
1:A:440:HIS:O	1:A:443:ILE:HG22	1.90	0.70
1:B:69:GLN:HG2	1:B:71:GLU:N	2.04	0.70
1:B:154:GLY:CA	1:B:322:ARG:HB3	2.21	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:203:ILE:HG21	1:B:231:LEU:HD22	1.73	0.70
1:B:357:LEU:HD13	1:B:357:LEU:O	1.90	0.70
1:D:483:ARG:HE	1:D:527:TYR:CB	2.04	0.70
1:D:538:LEU:HD11	1:D:572:ALA:CB	2.20	0.70
1:E:109:GLN:OE1	1:E:166:LEU:HA	1.91	0.70
1:F:60:ARG:NE	1:F:128:LEU:HD11	2.06	0.70
1:G:262:ILE:CG2	1:G:264:LEU:HG	2.22	0.70
1:H:20:GLU:CB	1:H:24:VAL:HB	2.21	0.70
1:I:127:ARG:HD3	1:I:292:LEU:HD21	1.73	0.70
1:I:286:ASP:HA	1:I:287:HIS:CB	2.18	0.70
1:J:164:VAL:O	1:J:168:TYR:HB2	1.92	0.70
1:J:256:PHE:O	1:J:259:SER:HB2	1.89	0.70
1:J:538:LEU:HD11	1:J:572:ALA:CB	2.20	0.70
1:L:154:GLY:CA	1:L:322:ARG:HB3	2.21	0.70
1:L:492:LEU:O	1:L:492:LEU:HD22	1.89	0.70
1:M:538:LEU:HD11	1:M:572:ALA:CB	2.20	0.70
1:N:581:VAL:HG23	1:N:1034:UNK:CB	2.20	0.70
1:P:193:LEU:HD21	1:P:221:ILE:CA	2.21	0.70
1:A:173:LYS:HD3	1:A:173:LYS:O	1.91	0.70
1:B:262:ILE:CG2	1:B:264:LEU:HG	2.22	0.70
1:B:349:LEU:HB3	1:B:426:TYR:CE1	2.27	0.70
1:D:14:ASP:O	1:D:18:VAL:HG22	1.91	0.70
1:D:362:PRO:HA	1:D:366:ARG:HB2	1.72	0.70
1:E:127:ARG:HD3	1:E:292:LEU:HD21	1.73	0.70
1:E:268:PHE:CD2	1:E:271:VAL:HG23	2.21	0.70
1:E:286:ASP:HA	1:E:287:HIS:CB	2.18	0.70
1:F:14:ASP:O	1:F:18:VAL:HG22	1.91	0.70
1:F:193:LEU:HD21	1:F:221:ILE:CA	2.21	0.70
1:F:581:VAL:HG23	1:F:1034:UNK:CB	2.20	0.70
1:H:1:MET:HB3	1:H:5:THR:HB	1.72	0.70
1:H:478:ILE:HG13	1:H:479:GLU:N	2.06	0.70
1:H:1327:UNK:HA	1:H:1342:UNK:O	1.91	0.70
1:I:124:ASN:CA	1:I:300:LEU:HB2	2.22	0.70
1:I:173:LYS:HD3	1:I:173:LYS:O	1.91	0.70
1:I:478:ILE:HG13	1:I:479:GLU:N	2.06	0.70
1:J:362:PRO:HA	1:J:366:ARG:HB2	1.72	0.70
1:J:458:LEU:HD11	1:J:579:LYS:HE2	1.73	0.70
1:J:483:ARG:HE	1:J:527:TYR:CB	2.04	0.70
1:K:349:LEU:HB3	1:K:426:TYR:CE1	2.27	0.70
1:K:1327:UNK:HA	1:K:1342:UNK:O	1.91	0.70
1:L:203:ILE:HG21	1:L:231:LEU:HD22	1.73	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:262:ILE:CG2	1:L:264:LEU:HG	2.22	0.70
1:L:353:ILE:HG21	1:L:430:LYS:HD2	1.73	0.70
1:M:262:ILE:CG2	1:M:264:LEU:HG	2.22	0.70
1:M:478:ILE:O	1:M:479:GLU:HG2	1.92	0.70
1:N:20:GLU:CB	1:N:24:VAL:HB	2.21	0.70
1:N:193:LEU:HD21	1:N:221:ILE:CA	2.21	0.70
1:N:335:LEU:O	1:N:340:ASN:HB2	1.90	0.70
1:N:1327:UNK:HA	1:N:1342:UNK:O	1.91	0.70
1:O:371:ARG:HB3	1:O:389:ILE:CG2	2.20	0.70
1:P:60:ARG:NE	1:P:128:LEU:HD11	2.06	0.70
1:P:193:LEU:O	1:P:197:GLN:HG3	1.92	0.70
1:A:262:ILE:CG2	1:A:264:LEU:HG	2.22	0.70
1:A:478:ILE:HG13	1:A:479:GLU:N	2.06	0.70
1:A:478:ILE:O	1:A:479:GLU:HG2	1.92	0.70
1:A:557:LYS:H	1:A:597:UNK:CA	2.04	0.70
1:B:1327:UNK:HA	1:B:1342:UNK:O	1.91	0.70
1:C:127:ARG:HD3	1:C:292:LEU:HD21	1.73	0.70
1:C:349:LEU:HB3	1:C:426:TYR:CE1	2.27	0.70
1:C:1327:UNK:HA	1:C:1342:UNK:O	1.91	0.70
1:D:60:ARG:NE	1:D:128:LEU:HD11	2.06	0.70
1:D:601:UNK:CA	1:D:601:UNK:O	2.37	0.70
1:E:39:ILE:HD12	1:E:72:MET:HG3	1.71	0.70
1:E:124:ASN:CA	1:E:300:LEU:HB2	2.22	0.70
1:F:193:LEU:O	1:F:197:GLN:HG3	1.92	0.70
1:G:120:PHE:HD1	1:G:121:ALA:H	1.36	0.70
1:G:268:PHE:CD2	1:G:271:VAL:HG23	2.21	0.70
1:G:410:LEU:HB3	1:G:423:PRO:HB2	1.74	0.70
1:H:193:LEU:HD21	1:H:221:ILE:CA	2.21	0.70
1:I:39:ILE:HD12	1:I:72:MET:HG3	1.71	0.70
1:I:109:GLN:OE1	1:I:166:LEU:HA	1.91	0.70
1:I:483:ARG:HE	1:I:527:TYR:CB	2.04	0.70
1:J:14:ASP:O	1:J:18:VAL:HG22	1.91	0.70
1:K:127:ARG:HD3	1:K:292:LEU:HD21	1.73	0.70
1:K:173:LYS:O	1:K:173:LYS:HD3	1.91	0.70
1:K:353:ILE:HG21	1:K:430:LYS:HD2	1.73	0.70
1:L:349:LEU:HB3	1:L:426:TYR:CE1	2.27	0.70
1:M:80:VAL:HG13	1:M:89:MET:HB2	1.72	0.70
1:M:125:VAL:HG23	1:M:296:GLU:CB	2.22	0.70
1:M:173:LYS:HD3	1:M:173:LYS:O	1.91	0.70
1:M:298:LYS:HZ2	1:M:316:VAL:HA	1.54	0.70
1:N:203:ILE:HG21	1:N:231:LEU:HD22	1.73	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:478:ILE:HG13	1:N:479:GLU:N	2.06	0.70
1:P:14:ASP:O	1:P:18:VAL:HG22	1.91	0.70
1:A:125:VAL:HG23	1:A:296:GLU:CB	2.22	0.70
1:A:203:ILE:HG21	1:A:231:LEU:HD22	1.73	0.70
1:B:124:ASN:CA	1:B:300:LEU:HB2	2.22	0.70
1:B:280:THR:HG23	1:C:114:TYR:CG	2.16	0.70
1:C:173:LYS:O	1:C:173:LYS:HD3	1.91	0.70
1:C:353:ILE:HG21	1:C:430:LYS:HD2	1.73	0.70
1:D:141:LEU:HD22	1:D:143:PRO:O	1.90	0.70
1:D:458:LEU:HD11	1:D:579:LYS:HE2	1.73	0.70
1:E:193:LEU:HD21	1:E:221:ILE:CA	2.21	0.70
1:E:382:PRO:CA	1:E:419:THR:HG22	2.20	0.70
1:E:478:ILE:HG13	1:E:479:GLU:N	2.06	0.70
1:E:478:ILE:O	1:E:479:GLU:HG2	1.92	0.70
1:E:581:VAL:HG23	1:E:1034:UNK:CB	2.20	0.70
1:G:193:LEU:HD21	1:G:221:ILE:CA	2.21	0.70
1:G:371:ARG:HB3	1:G:389:ILE:CG2	2.20	0.70
1:G:478:ILE:O	1:G:479:GLU:HG2	1.92	0.70
1:H:203:ILE:HG21	1:H:231:LEU:HD22	1.73	0.70
1:H:335:LEU:O	1:H:340:ASN:HB2	1.90	0.70
1:H:440:HIS:O	1:H:443:ILE:HG22	1.90	0.70
1:J:39:ILE:HD12	1:J:72:MET:HG3	1.71	0.70
1:K:193:LEU:O	1:K:197:GLN:HG3	1.92	0.70
1:L:124:ASN:CA	1:L:300:LEU:HB2	2.22	0.70
1:L:193:LEU:O	1:L:197:GLN:HG3	1.92	0.70
1:M:203:ILE:HG21	1:M:231:LEU:HD22	1.73	0.70
1:M:478:ILE:HG13	1:M:479:GLU:N	2.06	0.70
1:M:1327:UNK:HA	1:M:1342:UNK:O	1.91	0.70
1:N:193:LEU:O	1:N:197:GLN:HG3	1.92	0.70
1:A:371:ARG:HB3	1:A:389:ILE:CG2	2.20	0.70
1:B:60:ARG:NE	1:B:128:LEU:HD11	2.06	0.70
1:B:125:VAL:HG23	1:B:296:GLU:CB	2.22	0.70
1:B:193:LEU:O	1:B:197:GLN:HG3	1.92	0.70
1:B:375:PHE:CZ	1:B:389:ILE:HG13	2.27	0.70
1:C:193:LEU:O	1:C:197:GLN:HG3	1.92	0.70
1:C:375:PHE:CZ	1:C:389:ILE:HG13	2.27	0.70
1:C:972:UNK:O	1:C:987:UNK:HA	1.92	0.70
1:D:478:ILE:O	1:D:479:GLU:HG2	1.92	0.70
1:E:375:PHE:CZ	1:E:389:ILE:HG13	2.27	0.70
1:E:483:ARG:HE	1:E:527:TYR:CB	2.04	0.70
1:F:381:ILE:O	1:F:419:THR:HB	1.91	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:164:VAL:O	1:G:168:TYR:HB2	1.92	0.70
1:G:353:ILE:HG21	1:G:430:LYS:HD2	1.73	0.70
1:H:120:PHE:HD1	1:H:121:ALA:H	1.36	0.70
1:H:193:LEU:O	1:H:197:GLN:HG3	1.92	0.70
1:I:14:ASP:O	1:I:18:VAL:HG22	1.91	0.70
1:I:193:LEU:HD21	1:I:221:ILE:CA	2.21	0.70
1:I:375:PHE:CZ	1:I:389:ILE:HG13	2.27	0.70
1:I:478:ILE:O	1:I:479:GLU:HG2	1.92	0.70
1:I:581:VAL:HG23	1:I:1034:UNK:CB	2.20	0.70
1:J:60:ARG:NE	1:J:128:LEU:HD11	2.06	0.70
1:J:365:TYR:CE2	1:J:401:VAL:HG13	2.26	0.70
1:J:478:ILE:O	1:J:479:GLU:HG2	1.92	0.70
1:K:972:UNK:O	1:K:987:UNK:HA	1.92	0.70
1:L:375:PHE:CZ	1:L:389:ILE:HG13	2.27	0.70
1:L:1327:UNK:HA	1:L:1342:UNK:O	1.91	0.70
1:M:557:LYS:H	1:M:597:UNK:CA	2.04	0.70
1:M:581:VAL:HG23	1:M:1034:UNK:CB	2.20	0.70
1:N:120:PHE:HD1	1:N:121:ALA:H	1.36	0.70
1:N:440:HIS:O	1:N:443:ILE:HG22	1.90	0.70
1:O:164:VAL:O	1:O:168:TYR:HB2	1.92	0.70
1:O:193:LEU:HD21	1:O:221:ILE:CA	2.21	0.70
1:O:353:ILE:HG21	1:O:430:LYS:HD2	1.73	0.70
1:O:410:LEU:HB3	1:O:423:PRO:HB2	1.74	0.70
1:O:478:ILE:O	1:O:479:GLU:HG2	1.92	0.70
1:P:381:ILE:O	1:P:419:THR:HB	1.91	0.70
1:P:483:ARG:HE	1:P:527:TYR:CB	2.04	0.70
1:A:127:ARG:NE	1:A:292:LEU:HD11	2.07	0.70
1:A:154:GLY:CA	1:A:322:ARG:HB3	2.21	0.70
1:A:410:LEU:HB3	1:A:423:PRO:HB2	1.74	0.70
1:A:581:VAL:HG23	1:A:1034:UNK:CB	2.20	0.70
1:A:1327:UNK:HA	1:A:1342:UNK:O	1.91	0.70
1:B:68:LYS:HE2	1:B:72:MET:SD	2.32	0.70
1:B:228:LEU:HD23	1:B:232:LEU:CD1	2.22	0.70
1:B:972:UNK:O	1:B:987:UNK:HA	1.92	0.70
1:C:124:ASN:CA	1:C:300:LEU:HB2	2.22	0.70
1:C:228:LEU:HD23	1:C:232:LEU:CD1	2.22	0.70
1:D:39:ILE:HD12	1:D:72:MET:HG3	1.71	0.70
1:D:145:LYS:HE2	1:D:147:VAL:HG23	1.74	0.70
1:D:228:LEU:HD23	1:D:232:LEU:CD1	2.22	0.70
1:D:365:TYR:CE2	1:D:401:VAL:HG13	2.26	0.70
1:D:381:ILE:O	1:D:419:THR:HB	1.91	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:14:ASP:O	1:E:18:VAL:HG22	1.91	0.70
1:E:145:LYS:HE2	1:E:147:VAL:HG23	1.74	0.70
1:F:173:LYS:HD3	1:F:173:LYS:O	1.91	0.70
1:F:483:ARG:HE	1:F:527:TYR:CB	2.04	0.70
1:G:298:LYS:HZ2	1:G:316:VAL:HA	1.54	0.70
1:G:458:LEU:HD11	1:G:579:LYS:HE2	1.73	0.70
1:H:127:ARG:HB3	1:H:292:LEU:CD2	2.21	0.70
1:I:382:PRO:CA	1:I:419:THR:HG22	2.20	0.70
1:J:141:LEU:HD22	1:J:143:PRO:O	1.90	0.70
1:J:601:UNK:CA	1:J:601:UNK:O	2.37	0.70
1:K:375:PHE:CZ	1:K:389:ILE:HG13	2.27	0.70
1:L:60:ARG:NE	1:L:128:LEU:HD11	2.06	0.70
1:L:125:VAL:HG23	1:L:296:GLU:CB	2.22	0.70
1:L:972:UNK:O	1:L:987:UNK:HA	1.92	0.70
1:M:127:ARG:NE	1:M:292:LEU:HD11	2.07	0.70
1:M:371:ARG:HB3	1:M:389:ILE:CG2	2.20	0.70
1:N:109:GLN:OE1	1:N:166:LEU:HA	1.91	0.70
1:N:362:PRO:HA	1:N:366:ARG:HB2	1.72	0.70
1:O:173:LYS:O	1:O:173:LYS:HD3	1.91	0.70
1:P:27:PHE:CA	1:P:30:LYS:HE2	2.22	0.70
1:P:1327:UNK:HA	1:P:1342:UNK:O	1.91	0.70
1:A:228:LEU:HD23	1:A:232:LEU:CD1	2.22	0.70
1:A:298:LYS:HZ2	1:A:316:VAL:HA	1.54	0.70
1:B:173:LYS:HD3	1:B:173:LYS:O	1.91	0.70
1:B:301:LEU:HD22	1:B:324:LEU:CD2	2.22	0.70
1:C:127:ARG:HB3	1:C:292:LEU:CD2	2.21	0.70
1:C:538:LEU:HD11	1:C:572:ALA:CB	2.20	0.70
1:C:557:LYS:H	1:C:597:UNK:CA	2.04	0.70
1:D:127:ARG:HB3	1:D:292:LEU:CD2	2.21	0.70
1:D:972:UNK:O	1:D:987:UNK:HA	1.92	0.70
1:E:362:PRO:HA	1:E:366:ARG:HB2	1.72	0.70
1:E:365:TYR:CE2	1:E:401:VAL:HG13	2.26	0.70
1:E:1327:UNK:HA	1:E:1342:UNK:O	1.91	0.70
1:F:27:PHE:CA	1:F:30:LYS:HE2	2.22	0.70
1:F:124:ASN:CA	1:F:300:LEU:HB2	2.22	0.70
1:F:154:GLY:CA	1:F:322:ARG:HB3	2.21	0.70
1:F:203:ILE:HG21	1:F:231:LEU:HD22	1.73	0.70
1:G:127:ARG:NE	1:G:292:LEU:HD11	2.07	0.70
1:H:362:PRO:HA	1:H:366:ARG:HB2	1.72	0.70
1:I:145:LYS:HE2	1:I:147:VAL:HG23	1.74	0.70
1:I:1327:UNK:HA	1:I:1342:UNK:O	1.91	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:203:ILE:HG21	1:J:231:LEU:HD22	1.73	0.70
1:J:228:LEU:HD23	1:J:232:LEU:CD1	2.22	0.70
1:J:381:ILE:O	1:J:419:THR:HB	1.91	0.70
1:J:972:UNK:O	1:J:987:UNK:HA	1.92	0.70
1:K:124:ASN:CA	1:K:300:LEU:HB2	2.22	0.70
1:K:127:ARG:NE	1:K:292:LEU:HD11	2.07	0.70
1:K:154:GLY:CA	1:K:322:ARG:HB3	2.21	0.70
1:K:228:LEU:HD23	1:K:232:LEU:CD1	2.22	0.70
1:K:381:ILE:O	1:K:419:THR:HB	1.91	0.70
1:K:483:ARG:HE	1:K:527:TYR:CB	2.04	0.70
1:K:538:LEU:HD11	1:K:572:ALA:CB	2.20	0.70
1:L:173:LYS:O	1:L:173:LYS:HD3	1.91	0.70
1:L:228:LEU:HD23	1:L:232:LEU:CD1	2.22	0.70
1:L:301:LEU:HD22	1:L:324:LEU:CD2	2.22	0.70
1:M:154:GLY:CA	1:M:322:ARG:HB3	2.21	0.70
1:N:125:VAL:HG23	1:N:296:GLU:CB	2.22	0.70
1:N:410:LEU:HB3	1:N:423:PRO:HB2	1.74	0.70
1:O:127:ARG:NE	1:O:292:LEU:HD11	2.07	0.70
1:O:458:LEU:HD11	1:O:579:LYS:HE2	1.73	0.70
1:P:154:GLY:CA	1:P:322:ARG:HB3	2.21	0.70
1:A:193:LEU:O	1:A:197:GLN:HG3	1.92	0.70
1:A:349:LEU:HB3	1:A:426:TYR:CE1	2.27	0.70
1:B:458:LEU:HD11	1:B:579:LYS:HE2	1.73	0.70
1:C:127:ARG:NE	1:C:292:LEU:HD11	2.07	0.70
1:C:154:GLY:CA	1:C:322:ARG:HB3	2.21	0.70
1:C:203:ILE:HG21	1:C:231:LEU:HD22	1.73	0.70
1:C:483:ARG:HE	1:C:527:TYR:CB	2.04	0.70
1:D:478:ILE:HG13	1:D:479:GLU:N	2.06	0.70
1:E:228:LEU:HD23	1:E:232:LEU:CD1	2.22	0.70
1:F:145:LYS:HE2	1:F:147:VAL:HG23	1.74	0.70
1:F:262:ILE:CG2	1:F:264:LEU:HG	2.22	0.70
1:F:1327:UNK:HA	1:F:1342:UNK:O	1.91	0.70
1:G:68:LYS:HE2	1:G:72:MET:SD	2.32	0.70
1:G:173:LYS:O	1:G:173:LYS:HD3	1.91	0.70
1:H:68:LYS:HE2	1:H:72:MET:SD	2.32	0.70
1:H:109:GLN:OE1	1:H:166:LEU:HA	1.91	0.70
1:H:125:VAL:HG23	1:H:296:GLU:CB	2.22	0.70
1:H:410:LEU:HB3	1:H:423:PRO:HB2	1.74	0.70
1:H:557:LYS:H	1:H:597:UNK:CA	2.04	0.70
1:I:164:VAL:O	1:I:168:TYR:HB2	1.92	0.70
1:I:228:LEU:HD23	1:I:232:LEU:CD1	2.22	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:365:TYR:CE2	1:I:401:VAL:HG13	2.26	0.70
1:J:127:ARG:HB3	1:J:292:LEU:CD2	2.21	0.70
1:J:145:LYS:HE2	1:J:147:VAL:HG23	1.74	0.70
1:J:193:LEU:O	1:J:197:GLN:HG3	1.92	0.70
1:J:349:LEU:HB3	1:J:426:TYR:CE1	2.27	0.70
1:J:478:ILE:HG13	1:J:479:GLU:N	2.06	0.70
1:K:127:ARG:HB3	1:K:292:LEU:CD2	2.21	0.70
1:K:557:LYS:H	1:K:597:UNK:CA	2.04	0.70
1:L:68:LYS:HE2	1:L:72:MET:SD	2.32	0.70
1:L:164:VAL:O	1:L:168:TYR:HB2	1.92	0.70
1:M:124:ASN:CA	1:M:300:LEU:HB2	2.22	0.70
1:M:410:LEU:HB3	1:M:423:PRO:HB2	1.74	0.70
1:N:68:LYS:HE2	1:N:72:MET:SD	2.32	0.70
1:N:127:ARG:HB3	1:N:292:LEU:CD2	2.21	0.70
1:P:124:ASN:CA	1:P:300:LEU:HB2	2.22	0.70
1:P:173:LYS:O	1:P:173:LYS:HD3	1.91	0.70
1:P:262:ILE:CG2	1:P:264:LEU:HG	2.22	0.70
1:A:124:ASN:CA	1:A:300:LEU:HB2	2.22	0.69
1:A:375:PHE:CZ	1:A:389:ILE:HG13	2.27	0.69
1:A:391:PHE:HE1	1:A:395:LYS:H	1.41	0.69
1:B:164:VAL:O	1:B:168:TYR:HB2	1.92	0.69
1:C:113:LEU:HB3	1:C:166:LEU:HD11	1.74	0.69
1:C:381:ILE:O	1:C:419:THR:HB	1.91	0.69
1:D:193:LEU:O	1:D:197:GLN:HG3	1.92	0.69
1:D:203:ILE:HG21	1:D:231:LEU:HD22	1.73	0.69
1:D:349:LEU:HB3	1:D:426:TYR:CE1	2.27	0.69
1:D:353:ILE:HG21	1:D:430:LYS:HD2	1.73	0.69
1:F:21:ASP:HA	1:F:24:VAL:HG12	1.74	0.69
1:F:68:LYS:HE2	1:F:72:MET:SD	2.32	0.69
1:G:27:PHE:CA	1:G:30:LYS:HE2	2.22	0.69
1:G:362:PRO:HA	1:G:366:ARG:HB2	1.72	0.69
1:G:375:PHE:CZ	1:G:389:ILE:HG13	2.27	0.69
1:I:362:PRO:HA	1:I:366:ARG:HB2	1.72	0.69
1:K:113:LEU:HB3	1:K:166:LEU:HD11	1.74	0.69
1:K:114:TYR:CG	1:L:280:THR:HG23	2.16	0.69
1:L:127:ARG:HD3	1:L:292:LEU:HD21	1.73	0.69
1:M:228:LEU:HD23	1:M:232:LEU:CD1	2.22	0.69
1:M:349:LEU:HB3	1:M:426:TYR:CE1	2.27	0.69
1:M:375:PHE:CZ	1:M:389:ILE:HG13	2.27	0.69
1:N:27:PHE:CA	1:N:30:LYS:HE2	2.22	0.69
1:O:68:LYS:HE2	1:O:72:MET:SD	2.32	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:203:ILE:HG21	1:O:231:LEU:HD22	1.73	0.69
1:O:298:LYS:HZ2	1:O:316:VAL:HA	1.54	0.69
1:O:375:PHE:CZ	1:O:389:ILE:HG13	2.27	0.69
1:O:483:ARG:HE	1:O:527:TYR:CB	2.04	0.69
1:O:601:UNK:CA	1:O:601:UNK:O	2.37	0.69
1:P:21:ASP:HA	1:P:24:VAL:HG12	1.74	0.69
1:P:145:LYS:HE2	1:P:147:VAL:HG23	1.74	0.69
1:P:203:ILE:HG21	1:P:231:LEU:HD22	1.73	0.69
1:P:478:ILE:HG13	1:P:479:GLU:N	2.06	0.69
1:A:972:UNK:O	1:A:987:UNK:HA	1.92	0.69
1:B:127:ARG:HD3	1:B:292:LEU:HD21	1.73	0.69
1:C:68:LYS:HE2	1:C:72:MET:SD	2.32	0.69
1:C:391:PHE:HE1	1:C:395:LYS:H	1.41	0.69
1:D:68:LYS:HE2	1:D:72:MET:SD	2.32	0.69
1:D:1327:UNK:HA	1:D:1342:UNK:O	1.91	0.69
1:E:68:LYS:HE2	1:E:72:MET:SD	2.32	0.69
1:E:127:ARG:HB3	1:E:292:LEU:CD2	2.21	0.69
1:E:127:ARG:NE	1:E:292:LEU:HD11	2.07	0.69
1:E:164:VAL:O	1:E:168:TYR:HB2	1.92	0.69
1:E:534:LYS:O	1:E:537:ARG:HG2	1.93	0.69
1:F:8:HIS:HB2	1:F:95:GLU:HG3	1.74	0.69
1:F:164:VAL:O	1:F:168:TYR:HB2	1.92	0.69
1:F:353:ILE:HG21	1:F:430:LYS:HD2	1.73	0.69
1:F:375:PHE:CZ	1:F:389:ILE:HG13	2.27	0.69
1:G:483:ARG:HE	1:G:527:TYR:CB	2.04	0.69
1:H:12:TYR:OH	1:H:91:PRO:HB2	1.93	0.69
1:H:27:PHE:CA	1:H:30:LYS:HE2	2.22	0.69
1:H:127:ARG:HD3	1:H:292:LEU:HD21	1.73	0.69
1:H:150:ASP:N	1:H:287:HIS:HB3	2.08	0.69
1:H:262:ILE:CG2	1:H:264:LEU:HG	2.22	0.69
1:H:301:LEU:HD22	1:H:324:LEU:CD2	2.22	0.69
1:H:972:UNK:O	1:H:987:UNK:HA	1.92	0.69
1:I:127:ARG:NE	1:I:292:LEU:HD11	2.07	0.69
1:I:534:LYS:O	1:I:537:ARG:HG2	1.93	0.69
1:J:127:ARG:NE	1:J:292:LEU:HD11	2.07	0.69
1:K:203:ILE:HG21	1:K:231:LEU:HD22	1.73	0.69
1:M:193:LEU:O	1:M:197:GLN:HG3	1.92	0.69
1:M:391:PHE:HE1	1:M:395:LYS:H	1.41	0.69
1:M:972:UNK:O	1:M:987:UNK:HA	1.92	0.69
1:N:12:TYR:OH	1:N:91:PRO:HB2	1.93	0.69
1:N:127:ARG:HD3	1:N:292:LEU:HD21	1.73	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:150:ASP:N	1:N:287:HIS:HB3	2.08	0.69
1:N:557:LYS:H	1:N:597:UNK:CA	2.04	0.69
1:N:972:UNK:O	1:N:987:UNK:HA	1.92	0.69
1:O:27:PHE:CA	1:O:30:LYS:HE2	2.22	0.69
1:P:68:LYS:HE2	1:P:72:MET:SD	2.32	0.69
1:P:972:UNK:O	1:P:987:UNK:HA	1.92	0.69
1:B:127:ARG:HB3	1:B:292:LEU:CD2	2.21	0.69
1:B:391:PHE:HE1	1:B:395:LYS:H	1.41	0.69
1:D:127:ARG:NE	1:D:292:LEU:HD11	2.07	0.69
1:D:262:ILE:CG2	1:D:264:LEU:HG	2.22	0.69
1:D:368:MET:HG2	1:D:390:TRP:NE1	2.08	0.69
1:D:557:LYS:H	1:D:597:UNK:CA	2.04	0.69
1:F:449:ILE:CD1	1:F:450:PRO:HD3	2.22	0.69
1:F:478:ILE:O	1:F:479:GLU:HG2	1.92	0.69
1:F:972:UNK:O	1:F:987:UNK:HA	1.92	0.69
1:G:203:ILE:HG21	1:G:231:LEU:HD22	1.73	0.69
1:G:478:ILE:HG13	1:G:479:GLU:N	2.06	0.69
1:G:601:UNK:CA	1:G:601:UNK:O	2.37	0.69
1:H:391:PHE:HE1	1:H:395:LYS:H	1.41	0.69
1:I:193:LEU:O	1:I:197:GLN:HG3	1.92	0.69
1:I:382:PRO:CG	1:I:385:LEU:HD12	2.22	0.69
1:I:972:UNK:O	1:I:987:UNK:HA	1.92	0.69
1:J:68:LYS:HE2	1:J:72:MET:SD	2.32	0.69
1:J:353:ILE:HG21	1:J:430:LYS:HD2	1.73	0.69
1:J:368:MET:HG2	1:J:390:TRP:NE1	2.08	0.69
1:J:557:LYS:H	1:J:597:UNK:CA	2.04	0.69
1:K:262:ILE:CG2	1:K:264:LEU:HG	2.22	0.69
1:K:368:MET:HG2	1:K:390:TRP:NE1	2.08	0.69
1:K:391:PHE:HE1	1:K:395:LYS:H	1.41	0.69
1:L:150:ASP:N	1:L:287:HIS:HB3	2.08	0.69
1:L:157:LYS:CE	1:L:265:THR:HB	2.23	0.69
1:L:458:LEU:HD11	1:L:579:LYS:HE2	1.73	0.69
1:M:157:LYS:CE	1:M:265:THR:HB	2.23	0.69
1:N:301:LEU:HD22	1:N:324:LEU:CD2	2.22	0.69
1:N:391:PHE:HE1	1:N:395:LYS:H	1.41	0.69
1:O:362:PRO:HA	1:O:366:ARG:HB2	1.72	0.69
1:O:478:ILE:HG13	1:O:479:GLU:N	2.06	0.69
1:O:1327:UNK:HA	1:O:1342:UNK:O	1.91	0.69
1:P:8:HIS:HB2	1:P:95:GLU:HG3	1.74	0.69
1:P:113:LEU:HB3	1:P:166:LEU:HD11	1.74	0.69
1:P:353:ILE:HG21	1:P:430:LYS:HD2	1.73	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:375:PHE:CZ	1:P:389:ILE:HG13	2.27	0.69
1:P:449:ILE:CD1	1:P:450:PRO:HD3	2.22	0.69
1:P:478:ILE:O	1:P:479:GLU:HG2	1.92	0.69
1:P:557:LYS:H	1:P:597:UNK:CA	2.04	0.69
1:A:68:LYS:HE2	1:A:72:MET:SD	2.32	0.69
1:A:157:LYS:CE	1:A:265:THR:HB	2.23	0.69
1:B:150:ASP:N	1:B:287:HIS:HB3	2.08	0.69
1:B:157:LYS:CE	1:B:265:THR:HB	2.23	0.69
1:B:450:PRO:HG2	1:B:471:ILE:CD1	2.23	0.69
1:C:368:MET:HG2	1:C:390:TRP:NE1	2.08	0.69
1:C:478:ILE:O	1:C:479:GLU:HG2	1.92	0.69
1:D:391:PHE:HE1	1:D:395:LYS:H	1.41	0.69
1:E:125:VAL:HG23	1:E:296:GLU:CB	2.22	0.69
1:E:538:LEU:HD11	1:E:572:ALA:CB	2.20	0.69
1:E:972:UNK:O	1:E:987:UNK:HA	1.92	0.69
1:F:12:TYR:OH	1:F:91:PRO:HB2	1.93	0.69
1:F:113:LEU:HB3	1:F:166:LEU:HD11	1.74	0.69
1:F:228:LEU:HD23	1:F:232:LEU:CD1	2.22	0.69
1:F:277:ALA:C	1:G:119:VAL:CB	2.56	0.69
1:F:396:SER:HA	1:F:399:MET:CG	2.23	0.69
1:F:478:ILE:HG13	1:F:479:GLU:N	2.06	0.69
1:F:557:LYS:H	1:F:597:UNK:CA	2.04	0.69
1:G:193:LEU:O	1:G:197:GLN:HG3	1.92	0.69
1:G:1327:UNK:HA	1:G:1342:UNK:O	1.91	0.69
1:H:132:LEU:CA	1:H:135:ARG:HD3	2.23	0.69
1:H:353:ILE:HG21	1:H:430:LYS:HD2	1.73	0.69
1:H:375:PHE:CZ	1:H:389:ILE:HG13	2.27	0.69
1:I:68:LYS:HE2	1:I:72:MET:SD	2.32	0.69
1:I:125:VAL:HG23	1:I:296:GLU:CB	2.22	0.69
1:I:127:ARG:HB3	1:I:292:LEU:CD2	2.21	0.69
1:I:154:GLY:CA	1:I:322:ARG:HB3	2.21	0.69
1:I:262:ILE:CG2	1:I:264:LEU:HG	2.22	0.69
1:I:538:LEU:HD11	1:I:572:ALA:CB	2.20	0.69
1:I:557:LYS:H	1:I:597:UNK:CA	2.04	0.69
1:J:20:GLU:CB	1:J:24:VAL:HB	2.21	0.69
1:J:124:ASN:CA	1:J:300:LEU:HB2	2.22	0.69
1:J:262:ILE:CG2	1:J:264:LEU:HG	2.22	0.69
1:J:1327:UNK:HA	1:J:1342:UNK:O	1.91	0.69
1:K:68:LYS:HE2	1:K:72:MET:SD	2.32	0.69
1:L:14:ASP:O	1:L:18:VAL:HG22	1.91	0.69
1:L:391:PHE:HE1	1:L:395:LYS:H	1.41	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:450:PRO:HG2	1:L:471:ILE:CD1	2.23	0.69
1:M:68:LYS:HE2	1:M:72:MET:SD	2.32	0.69
1:N:132:LEU:CA	1:N:135:ARG:HD3	2.23	0.69
1:N:262:ILE:CG2	1:N:264:LEU:HG	2.22	0.69
1:N:298:LYS:HZ2	1:N:316:VAL:HA	1.55	0.69
1:N:353:ILE:HG21	1:N:430:LYS:HD2	1.73	0.69
1:O:113:LEU:HB3	1:O:166:LEU:HD11	1.74	0.69
1:O:449:ILE:CD1	1:O:450:PRO:HD3	2.22	0.69
1:P:12:TYR:OH	1:P:91:PRO:HB2	1.93	0.69
1:P:127:ARG:NE	1:P:292:LEU:HD11	2.07	0.69
1:P:127:ARG:HD3	1:P:292:LEU:HD21	1.73	0.69
1:P:164:VAL:O	1:P:168:TYR:HB2	1.92	0.69
1:P:228:LEU:HD23	1:P:232:LEU:CD1	2.22	0.69
1:P:396:SER:HA	1:P:399:MET:CG	2.23	0.69
1:A:8:HIS:HB2	1:A:95:GLU:HG3	1.74	0.69
1:A:382:PRO:CG	1:A:385:LEU:HD12	2.22	0.69
1:A:483:ARG:HE	1:A:527:TYR:CB	2.04	0.69
1:B:478:ILE:O	1:B:479:GLU:HG2	1.92	0.69
1:C:145:LYS:HE2	1:C:147:VAL:HG23	1.74	0.69
1:C:262:ILE:CG2	1:C:264:LEU:HG	2.22	0.69
1:D:27:PHE:CA	1:D:30:LYS:HE2	2.22	0.69
1:E:27:PHE:CA	1:E:30:LYS:HE2	2.22	0.69
1:E:193:LEU:O	1:E:197:GLN:HG3	1.92	0.69
1:E:262:ILE:CG2	1:E:264:LEU:HG	2.22	0.69
1:E:382:PRO:CG	1:E:385:LEU:HD12	2.22	0.69
1:E:396:SER:HA	1:E:399:MET:CG	2.23	0.69
1:E:557:LYS:H	1:E:597:UNK:CA	2.04	0.69
1:F:127:ARG:HB3	1:F:292:LEU:CD2	2.21	0.69
1:F:127:ARG:NE	1:F:292:LEU:HD11	2.07	0.69
1:F:127:ARG:HD3	1:F:292:LEU:HD21	1.73	0.69
1:F:410:LEU:HB3	1:F:423:PRO:HB2	1.74	0.69
1:G:12:TYR:OH	1:G:91:PRO:HB2	1.93	0.69
1:G:113:LEU:HB3	1:G:166:LEU:HD11	1.74	0.69
1:G:132:LEU:CA	1:G:135:ARG:HD3	2.23	0.69
1:G:449:ILE:CD1	1:G:450:PRO:HD3	2.22	0.69
1:I:396:SER:HA	1:I:399:MET:CG	2.23	0.69
1:J:27:PHE:CA	1:J:30:LYS:HE2	2.22	0.69
1:J:193:LEU:HD21	1:J:221:ILE:CA	2.21	0.69
1:J:301:LEU:HD22	1:J:324:LEU:CD2	2.22	0.69
1:J:391:PHE:HE1	1:J:395:LYS:H	1.41	0.69
1:K:478:ILE:O	1:K:479:GLU:HG2	1.92	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:127:ARG:HB3	1:L:292:LEU:CD2	2.21	0.69
1:M:12:TYR:OH	1:M:91:PRO:HB2	1.93	0.69
1:M:449:ILE:CD1	1:M:450:PRO:HD3	2.22	0.69
1:N:124:ASN:CA	1:N:300:LEU:HB2	2.22	0.69
1:N:375:PHE:CZ	1:N:389:ILE:HG13	2.27	0.69
1:O:154:GLY:CA	1:O:322:ARG:HB3	2.21	0.69
1:P:382:PRO:CG	1:P:385:LEU:HD12	2.22	0.69
1:A:12:TYR:OH	1:A:91:PRO:HB2	1.93	0.69
1:B:8:HIS:HB2	1:B:95:GLU:HG3	1.74	0.69
1:B:12:TYR:OH	1:B:91:PRO:HB2	1.93	0.69
1:B:14:ASP:O	1:B:18:VAL:HG22	1.91	0.69
1:B:65:LEU:HD13	1:B:72:MET:HE2	1.74	0.69
1:B:483:ARG:HE	1:B:527:TYR:CB	2.04	0.69
1:D:20:GLU:CB	1:D:24:VAL:HB	2.21	0.69
1:D:124:ASN:CA	1:D:300:LEU:HB2	2.22	0.69
1:D:193:LEU:HD21	1:D:221:ILE:CA	2.21	0.69
1:D:301:LEU:HD22	1:D:324:LEU:CD2	2.22	0.69
1:D:534:LYS:O	1:D:537:ARG:HG2	1.93	0.69
1:E:113:LEU:HB3	1:E:166:LEU:HD11	1.74	0.69
1:E:154:GLY:CA	1:E:322:ARG:HB3	2.21	0.69
1:E:412:GLU:HA	1:E:423:PRO:HD2	1.75	0.69
1:G:157:LYS:CE	1:G:265:THR:HB	2.23	0.69
1:G:391:PHE:HE1	1:G:395:LYS:H	1.41	0.69
1:G:450:PRO:HG2	1:G:471:ILE:CD1	2.22	0.69
1:H:124:ASN:CA	1:H:300:LEU:HB2	2.22	0.69
1:I:412:GLU:HA	1:I:423:PRO:HD2	1.75	0.69
1:J:534:LYS:O	1:J:537:ARG:HG2	1.93	0.69
1:K:145:LYS:HE2	1:K:147:VAL:HG23	1.74	0.69
1:K:449:ILE:CD1	1:K:450:PRO:HD3	2.22	0.69
1:L:65:LEU:HD13	1:L:72:MET:HE2	1.74	0.69
1:L:449:ILE:CD1	1:L:450:PRO:HD3	2.22	0.69
1:L:478:ILE:O	1:L:479:GLU:HG2	1.92	0.69
1:M:8:HIS:HB2	1:M:95:GLU:HG3	1.74	0.69
1:N:154:GLY:CA	1:N:322:ARG:HB3	2.21	0.69
1:N:382:PRO:CG	1:N:385:LEU:HD12	2.22	0.69
1:N:483:ARG:HE	1:N:527:TYR:CB	2.04	0.69
1:O:12:TYR:OH	1:O:91:PRO:HB2	1.93	0.69
1:O:32:VAL:HG12	1:O:45:ILE:HG21	1.75	0.69
1:O:132:LEU:CA	1:O:135:ARG:HD3	2.23	0.69
1:O:157:LYS:CE	1:O:265:THR:HB	2.23	0.69
1:O:193:LEU:O	1:O:197:GLN:HG3	1.92	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:391:PHE:HE1	1:O:395:LYS:H	1.41	0.69
1:O:557:LYS:H	1:O:597:UNK:CA	2.04	0.69
1:P:127:ARG:HB3	1:P:292:LEU:CD2	2.21	0.69
1:P:410:LEU:HB3	1:P:423:PRO:HB2	1.74	0.69
1:P:412:GLU:HA	1:P:423:PRO:HD2	1.75	0.69
1:A:27:PHE:CA	1:A:30:LYS:HE2	2.22	0.69
1:A:32:VAL:HG12	1:A:45:ILE:HG21	1.75	0.69
1:A:193:LEU:HD21	1:A:221:ILE:CA	2.21	0.69
1:A:449:ILE:CD1	1:A:450:PRO:HD3	2.22	0.69
1:C:125:VAL:HG23	1:C:296:GLU:CB	2.22	0.69
1:C:323:ARG:O	1:C:326:ILE:HG22	1.93	0.69
1:C:449:ILE:CD1	1:C:450:PRO:HD3	2.22	0.69
1:E:391:PHE:HE1	1:E:395:LYS:H	1.41	0.69
1:F:32:VAL:HG12	1:F:45:ILE:HG21	1.75	0.69
1:F:382:PRO:CG	1:F:385:LEU:HD12	2.22	0.69
1:F:412:GLU:HA	1:F:423:PRO:HD2	1.75	0.69
1:G:145:LYS:HE2	1:G:147:VAL:HG23	1.74	0.69
1:G:154:GLY:CA	1:G:322:ARG:HB3	2.21	0.69
1:G:382:PRO:CG	1:G:385:LEU:HD12	2.22	0.69
1:G:557:LYS:H	1:G:597:UNK:CA	2.04	0.69
1:H:183:LEU:CD2	1:H:244:LEU:HB3	2.23	0.69
1:H:228:LEU:HD23	1:H:232:LEU:CD1	2.22	0.69
1:H:382:PRO:CG	1:H:385:LEU:HD12	2.22	0.69
1:H:412:GLU:HA	1:H:423:PRO:HD2	1.75	0.69
1:I:8:HIS:HB2	1:I:95:GLU:HG3	1.74	0.69
1:I:12:TYR:OH	1:I:91:PRO:HB2	1.93	0.69
1:I:27:PHE:CA	1:I:30:LYS:HE2	2.22	0.69
1:I:113:LEU:HB3	1:I:166:LEU:HD11	1.74	0.69
1:L:8:HIS:HB2	1:L:95:GLU:HG3	1.74	0.69
1:L:12:TYR:OH	1:L:91:PRO:HB2	1.93	0.69
1:L:410:LEU:HB3	1:L:423:PRO:HB2	1.74	0.69
1:L:483:ARG:HE	1:L:527:TYR:CB	2.04	0.69
1:M:353:ILE:HG21	1:M:430:LYS:HD2	1.73	0.69
1:M:382:PRO:CG	1:M:385:LEU:HD12	2.22	0.69
1:M:483:ARG:HE	1:M:527:TYR:CB	2.04	0.69
1:N:127:ARG:NE	1:N:292:LEU:HD11	2.07	0.69
1:N:157:LYS:CE	1:N:265:THR:HB	2.23	0.69
1:N:183:LEU:CD2	1:N:244:LEU:HB3	2.23	0.69
1:N:458:LEU:HD11	1:N:579:LYS:HE2	1.73	0.69
1:O:125:VAL:HG23	1:O:296:GLU:CB	2.22	0.69
1:O:145:LYS:HE2	1:O:147:VAL:HG23	1.74	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:382:PRO:CG	1:O:385:LEU:HD12	2.22	0.69
1:O:450:PRO:HG2	1:O:471:ILE:CD1	2.22	0.69
1:P:32:VAL:HG12	1:P:45:ILE:HG21	1.75	0.69
1:A:323:ARG:O	1:A:326:ILE:HG22	1.93	0.69
1:A:353:ILE:HG21	1:A:430:LYS:HD2	1.73	0.69
1:B:193:LEU:HD21	1:B:221:ILE:CA	2.21	0.69
1:B:323:ARG:O	1:B:326:ILE:HG22	1.93	0.69
1:B:410:LEU:HB3	1:B:423:PRO:HB2	1.74	0.69
1:B:429:LEU:CD2	1:B:432:LYS:HE2	2.23	0.69
1:B:449:ILE:CD1	1:B:450:PRO:HD3	2.22	0.69
1:C:164:VAL:O	1:C:168:TYR:HB2	1.92	0.69
1:C:183:LEU:CD2	1:C:244:LEU:HB3	2.23	0.69
1:C:219:LEU:CD1	1:D:197:GLN:HE22	1.91	0.69
1:C:308:ARG:O	1:C:311:ASP:HB2	1.93	0.69
1:C:450:PRO:HG2	1:C:471:ILE:CD1	2.22	0.69
1:C:542:ILE:HG22	1:C:573:ILE:CD1	2.23	0.69
1:C:601:UNK:CA	1:C:601:UNK:O	2.37	0.69
1:D:21:ASP:HA	1:D:24:VAL:HG12	1.74	0.69
1:D:113:LEU:HB3	1:D:166:LEU:HD11	1.74	0.69
1:D:125:VAL:HG23	1:D:296:GLU:CB	2.22	0.69
1:D:150:ASP:N	1:D:287:HIS:HB3	2.08	0.69
1:D:154:GLY:CA	1:D:322:ARG:HB3	2.21	0.69
1:D:183:LEU:CD2	1:D:244:LEU:HB3	2.23	0.69
1:D:364:GLU:OE2	1:D:401:VAL:HG21	1.93	0.69
1:D:412:GLU:HA	1:D:423:PRO:HD2	1.75	0.69
1:E:8:HIS:HB2	1:E:95:GLU:HG3	1.74	0.69
1:E:12:TYR:OH	1:E:91:PRO:HB2	1.93	0.69
1:E:368:MET:HG2	1:E:390:TRP:NE1	2.08	0.69
1:E:449:ILE:CD1	1:E:450:PRO:HD3	2.22	0.69
1:F:20:GLU:CB	1:F:24:VAL:HB	2.21	0.69
1:F:132:LEU:CA	1:F:135:ARG:HD3	2.23	0.69
1:F:150:ASP:N	1:F:287:HIS:HB3	2.08	0.69
1:F:485:THR:OG1	1:F:486:LEU:HD22	1.93	0.69
1:F:534:LYS:O	1:F:537:ARG:HG2	1.93	0.69
1:G:32:VAL:HG12	1:G:45:ILE:HG21	1.75	0.69
1:G:125:VAL:HG23	1:G:296:GLU:CB	2.22	0.69
1:G:183:LEU:CD2	1:G:244:LEU:HB3	2.23	0.69
1:G:364:GLU:OE2	1:G:401:VAL:HG21	1.93	0.69
1:G:396:SER:HA	1:G:399:MET:CG	2.23	0.69
1:H:21:ASP:HA	1:H:24:VAL:HG12	1.74	0.69
1:H:32:VAL:HG12	1:H:45:ILE:HG21	1.75	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:120:PHE:CZ	1:H:122:LYS:HD3	2.28	0.69
1:H:127:ARG:NE	1:H:292:LEU:HD11	2.07	0.69
1:H:154:GLY:CA	1:H:322:ARG:HB3	2.21	0.69
1:H:157:LYS:CE	1:H:265:THR:HB	2.23	0.69
1:H:164:VAL:O	1:H:168:TYR:HB2	1.92	0.69
1:H:450:PRO:HG2	1:H:471:ILE:CD1	2.23	0.69
1:H:458:LEU:HD11	1:H:579:LYS:HE2	1.73	0.69
1:H:483:ARG:HE	1:H:527:TYR:CB	2.04	0.69
1:I:119:VAL:HG22	1:J:278:ALA:H	1.57	0.69
1:I:349:LEU:HB3	1:I:426:TYR:CE1	2.27	0.69
1:I:353:ILE:HG21	1:I:430:LYS:HD2	1.73	0.69
1:I:391:PHE:HE1	1:I:395:LYS:H	1.41	0.69
1:I:429:LEU:CD2	1:I:432:LYS:HE2	2.23	0.69
1:I:449:ILE:CD1	1:I:450:PRO:HD3	2.22	0.69
1:J:21:ASP:HA	1:J:24:VAL:HG12	1.74	0.69
1:J:113:LEU:HB3	1:J:166:LEU:HD11	1.74	0.69
1:J:150:ASP:N	1:J:287:HIS:HB3	2.08	0.69
1:J:154:GLY:CA	1:J:322:ARG:HB3	2.21	0.69
1:J:183:LEU:CD2	1:J:244:LEU:HB3	2.23	0.69
1:J:197:GLN:HE22	1:K:219:LEU:CD1	1.91	0.69
1:J:364:GLU:OE2	1:J:401:VAL:HG21	1.93	0.69
1:J:375:PHE:CZ	1:J:389:ILE:HG13	2.27	0.69
1:J:412:GLU:HA	1:J:423:PRO:HD2	1.75	0.69
1:K:27:PHE:CA	1:K:30:LYS:HE2	2.22	0.69
1:K:125:VAL:HG23	1:K:296:GLU:CB	2.22	0.69
1:K:183:LEU:CD2	1:K:244:LEU:HB3	2.23	0.69
1:K:323:ARG:O	1:K:326:ILE:HG22	1.93	0.69
1:K:542:ILE:HG22	1:K:573:ILE:CD1	2.23	0.69
1:K:601:UNK:CA	1:K:601:UNK:O	2.37	0.69
1:L:127:ARG:NE	1:L:292:LEU:HD11	2.07	0.69
1:L:193:LEU:HD21	1:L:221:ILE:CA	2.21	0.69
1:L:429:LEU:CD2	1:L:432:LYS:HE2	2.23	0.69
1:M:27:PHE:CA	1:M:30:LYS:HE2	2.22	0.69
1:M:32:VAL:HG12	1:M:45:ILE:HG21	1.75	0.69
1:M:127:ARG:HD3	1:M:292:LEU:HD21	1.73	0.69
1:M:193:LEU:HD21	1:M:221:ILE:CA	2.21	0.69
1:M:323:ARG:O	1:M:326:ILE:HG22	1.93	0.69
1:N:32:VAL:HG12	1:N:45:ILE:HG21	1.75	0.69
1:N:120:PHE:CZ	1:N:122:LYS:HD3	2.28	0.69
1:N:228:LEU:HD23	1:N:232:LEU:CD1	2.22	0.69
1:N:412:GLU:HA	1:N:423:PRO:HD2	1.75	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:449:ILE:CD1	1:N:450:PRO:HD3	2.22	0.69
1:O:124:ASN:CA	1:O:300:LEU:HB2	2.22	0.69
1:O:183:LEU:CD2	1:O:244:LEU:HB3	2.23	0.69
1:O:228:LEU:HD23	1:O:232:LEU:CD1	2.22	0.69
1:O:396:SER:HA	1:O:399:MET:CG	2.23	0.69
1:P:150:ASP:N	1:P:287:HIS:HB3	2.08	0.69
1:P:485:THR:OG1	1:P:486:LEU:HD22	1.93	0.69
1:P:534:LYS:O	1:P:537:ARG:HG2	1.93	0.69
1:C:27:PHE:CA	1:C:30:LYS:HE2	2.22	0.69
1:C:150:ASP:N	1:C:287:HIS:HB3	2.08	0.69
1:C:193:LEU:HD21	1:C:221:ILE:CA	2.21	0.69
1:D:278:ALA:H	1:E:119:VAL:HG22	1.57	0.69
1:D:375:PHE:CZ	1:D:389:ILE:HG13	2.27	0.69
1:D:429:LEU:CD2	1:D:432:LYS:HE2	2.23	0.69
1:D:449:ILE:CD1	1:D:450:PRO:HD3	2.22	0.69
1:E:349:LEU:HB3	1:E:426:TYR:CE1	2.27	0.69
1:E:353:ILE:HG21	1:E:430:LYS:HD2	1.73	0.69
1:E:429:LEU:CD2	1:E:432:LYS:HE2	2.23	0.69
1:F:125:VAL:HG23	1:F:296:GLU:CB	2.22	0.69
1:F:368:MET:HG2	1:F:390:TRP:NE1	2.08	0.69
1:F:391:PHE:HE1	1:F:395:LYS:H	1.41	0.69
1:F:450:PRO:HG2	1:F:471:ILE:CD1	2.23	0.69
1:G:124:ASN:CA	1:G:300:LEU:HB2	2.22	0.69
1:G:228:LEU:HD23	1:G:232:LEU:CD1	2.22	0.69
1:G:412:GLU:HA	1:G:423:PRO:HD2	1.75	0.69
1:G:534:LYS:O	1:G:537:ARG:HG2	1.93	0.69
1:H:196:LEU:HD22	1:H:224:ILE:CG2	2.23	0.69
1:H:349:LEU:HB3	1:H:426:TYR:CE1	2.27	0.69
1:H:449:ILE:CD1	1:H:450:PRO:HD3	2.22	0.69
1:I:368:MET:HG2	1:I:390:TRP:NE1	2.08	0.69
1:I:410:LEU:HB3	1:I:423:PRO:HB2	1.74	0.69
1:I:450:PRO:HG2	1:I:471:ILE:CD1	2.22	0.69
1:J:125:VAL:HG23	1:J:296:GLU:CB	2.22	0.69
1:J:449:ILE:CD1	1:J:450:PRO:HD3	2.22	0.69
1:K:164:VAL:O	1:K:168:TYR:HB2	1.92	0.69
1:K:186:CYS:HB2	1:K:249:ASN:HB3	1.75	0.69
1:K:308:ARG:O	1:K:311:ASP:HB2	1.93	0.69
1:K:364:GLU:OE2	1:K:401:VAL:HG21	1.93	0.69
1:K:450:PRO:HG2	1:K:471:ILE:CD1	2.22	0.69
1:L:323:ARG:O	1:L:326:ILE:HG22	1.93	0.69
1:L:368:MET:HG2	1:L:390:TRP:NE1	2.08	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:196:LEU:HD13	1:M:224:ILE:CG2	2.23	0.69
1:M:1148:UNK:HA	1:M:1161:UNK:O	1.93	0.69
1:N:21:ASP:HA	1:N:24:VAL:HG12	1.74	0.69
1:N:113:LEU:HB3	1:N:166:LEU:HD11	1.74	0.69
1:N:164:VAL:O	1:N:168:TYR:HB2	1.92	0.69
1:N:196:LEU:HD22	1:N:224:ILE:CG2	2.23	0.69
1:N:450:PRO:HG2	1:N:471:ILE:CD1	2.23	0.69
1:N:478:ILE:O	1:N:479:GLU:HG2	1.92	0.69
1:O:196:LEU:HD13	1:O:224:ILE:CG2	2.23	0.69
1:O:364:GLU:OE2	1:O:401:VAL:HG21	1.93	0.69
1:P:125:VAL:HG23	1:P:296:GLU:CB	2.22	0.69
1:P:132:LEU:CA	1:P:135:ARG:HD3	2.23	0.69
1:P:391:PHE:HE1	1:P:395:LYS:H	1.41	0.69
1:A:127:ARG:HD3	1:A:292:LEU:HD21	1.73	0.69
1:A:150:ASP:N	1:A:287:HIS:HB3	2.08	0.69
1:A:183:LEU:CD2	1:A:244:LEU:HB3	2.23	0.69
1:A:196:LEU:HD13	1:A:224:ILE:CG2	2.23	0.69
1:A:450:PRO:HG2	1:A:471:ILE:CD1	2.22	0.69
1:A:1148:UNK:HA	1:A:1161:UNK:O	1.93	0.69
1:B:127:ARG:NE	1:B:292:LEU:HD11	2.07	0.69
1:B:348:LYS:O	1:B:352:ILE:HG13	1.93	0.69
1:B:368:MET:HG2	1:B:390:TRP:NE1	2.08	0.69
1:C:196:LEU:HD22	1:C:224:ILE:CG2	2.23	0.69
1:C:364:GLU:OE2	1:C:401:VAL:HG21	1.93	0.69
1:D:186:CYS:HB2	1:D:249:ASN:HB3	1.75	0.69
1:D:256:PHE:HE2	1:D:262:ILE:HB	1.58	0.69
1:E:348:LYS:O	1:E:352:ILE:HG13	1.93	0.69
1:E:410:LEU:HB3	1:E:423:PRO:HB2	1.74	0.69
1:E:450:PRO:HG2	1:E:471:ILE:CD1	2.22	0.69
1:E:1148:UNK:HA	1:E:1161:UNK:O	1.93	0.69
1:F:349:LEU:HB3	1:F:426:TYR:CE1	2.27	0.69
1:F:364:GLU:OE2	1:F:401:VAL:HG21	1.93	0.69
1:F:483:ARG:CZ	1:F:528:ILE:HA	2.23	0.69
1:G:127:ARG:HD3	1:G:292:LEU:HD21	1.73	0.69
1:G:196:LEU:HD13	1:G:224:ILE:CG2	2.23	0.69
1:H:483:ARG:CZ	1:H:528:ILE:HA	2.23	0.69
1:J:186:CYS:HB2	1:J:249:ASN:HB3	1.75	0.69
1:J:256:PHE:HE2	1:J:262:ILE:HB	1.58	0.69
1:J:323:ARG:O	1:J:326:ILE:HG22	1.93	0.69
1:J:429:LEU:CD2	1:J:432:LYS:HE2	2.23	0.69
1:K:150:ASP:N	1:K:287:HIS:HB3	2.08	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:193:LEU:HD21	1:K:221:ILE:CA	2.21	0.69
1:K:196:LEU:HD22	1:K:224:ILE:CG2	2.23	0.69
1:L:27:PHE:CA	1:L:30:LYS:HE2	2.22	0.69
1:L:542:ILE:HG22	1:L:573:ILE:CD1	2.23	0.69
1:M:183:LEU:CD2	1:M:244:LEU:HB3	2.23	0.69
1:M:301:LEU:HD22	1:M:324:LEU:CD2	2.22	0.69
1:M:450:PRO:HG2	1:M:471:ILE:CD1	2.22	0.69
1:N:349:LEU:HB3	1:N:426:TYR:CE1	2.27	0.69
1:N:483:ARG:CZ	1:N:528:ILE:HA	2.23	0.69
1:O:127:ARG:HD3	1:O:292:LEU:HD21	1.73	0.69
1:O:412:GLU:HA	1:O:423:PRO:HD2	1.75	0.69
1:P:20:GLU:CB	1:P:24:VAL:HB	2.21	0.69
1:P:308:ARG:O	1:P:311:ASP:HB2	1.93	0.69
1:P:357:LEU:HD21	1:P:366:ARG:CD	2.23	0.69
1:P:368:MET:HG2	1:P:390:TRP:NE1	2.08	0.69
1:P:483:ARG:CZ	1:P:528:ILE:HA	2.23	0.69
1:B:27:PHE:CA	1:B:30:LYS:HE2	2.22	0.68
1:B:32:VAL:HG12	1:B:45:ILE:HG21	1.75	0.68
1:B:186:CYS:HB2	1:B:249:ASN:HB3	1.75	0.68
1:B:301:LEU:HB2	1:B:324:LEU:HD21	1.75	0.68
1:B:485:THR:OG1	1:B:486:LEU:HD22	1.93	0.68
1:C:8:HIS:HB2	1:C:95:GLU:HG3	1.74	0.68
1:C:12:TYR:OH	1:C:91:PRO:HB2	1.93	0.68
1:C:80:VAL:CG1	1:C:89:MET:HB2	2.23	0.68
1:C:186:CYS:HB2	1:C:249:ASN:HB3	1.75	0.68
1:C:1148:UNK:HA	1:C:1161:UNK:O	1.93	0.68
1:D:120:PHE:CZ	1:D:122:LYS:HD3	2.28	0.68
1:D:323:ARG:O	1:D:326:ILE:HG22	1.93	0.68
1:D:483:ARG:CZ	1:D:528:ILE:HA	2.23	0.68
1:D:542:ILE:HG22	1:D:573:ILE:CD1	2.23	0.68
1:E:32:VAL:HG12	1:E:45:ILE:HG21	1.75	0.68
1:E:364:GLU:OE2	1:E:401:VAL:HG21	1.93	0.68
1:F:308:ARG:O	1:F:311:ASP:HB2	1.93	0.68
1:F:357:LEU:HD21	1:F:366:ARG:CD	2.23	0.68
1:G:80:VAL:CG1	1:G:89:MET:HB2	2.23	0.68
1:H:113:LEU:HB3	1:H:166:LEU:HD11	1.74	0.68
1:H:478:ILE:O	1:H:479:GLU:HG2	1.92	0.68
1:I:32:VAL:HG12	1:I:45:ILE:HG21	1.75	0.68
1:I:348:LYS:O	1:I:352:ILE:HG13	1.93	0.68
1:I:364:GLU:OE2	1:I:401:VAL:HG21	1.93	0.68
1:I:1148:UNK:HA	1:I:1161:UNK:O	1.93	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:120:PHE:CZ	1:J:122:LYS:HD3	2.28	0.68
1:J:483:ARG:CZ	1:J:528:ILE:HA	2.23	0.68
1:K:157:LYS:CE	1:K:265:THR:HB	2.23	0.68
1:K:256:PHE:HE2	1:K:262:ILE:HB	1.58	0.68
1:K:429:LEU:CD2	1:K:432:LYS:HE2	2.23	0.68
1:L:32:VAL:HG12	1:L:45:ILE:HG21	1.75	0.68
1:L:145:LYS:HE2	1:L:147:VAL:HG23	1.74	0.68
1:L:196:LEU:HD13	1:L:224:ILE:CG2	2.23	0.68
1:L:348:LYS:O	1:L:352:ILE:HG13	1.93	0.68
1:L:485:THR:OG1	1:L:486:LEU:HD22	1.93	0.68
1:M:348:LYS:O	1:M:352:ILE:HG13	1.93	0.68
1:M:542:ILE:HG22	1:M:573:ILE:CD1	2.23	0.68
1:N:323:ARG:O	1:N:326:ILE:HG22	1.93	0.68
1:O:21:ASP:HA	1:O:24:VAL:HG12	1.74	0.68
1:O:368:MET:HG2	1:O:390:TRP:NE1	2.08	0.68
1:O:534:LYS:O	1:O:537:ARG:HG2	1.93	0.68
1:O:1148:UNK:HA	1:O:1161:UNK:O	1.93	0.68
1:P:349:LEU:HB3	1:P:426:TYR:CE1	2.27	0.68
1:P:364:GLU:OE2	1:P:401:VAL:HG21	1.93	0.68
1:P:450:PRO:HG2	1:P:471:ILE:CD1	2.23	0.68
1:A:164:VAL:O	1:A:168:TYR:HB2	1.92	0.68
1:A:301:LEU:HD22	1:A:324:LEU:CD2	2.22	0.68
1:A:348:LYS:O	1:A:352:ILE:HG13	1.93	0.68
1:A:357:LEU:HD21	1:A:366:ARG:CD	2.23	0.68
1:A:542:ILE:HG22	1:A:573:ILE:CD1	2.23	0.68
1:B:145:LYS:HE2	1:B:147:VAL:HG23	1.74	0.68
1:B:196:LEU:HD13	1:B:224:ILE:CG2	2.23	0.68
1:B:364:GLU:OE2	1:B:401:VAL:HG21	1.93	0.68
1:B:483:ARG:CZ	1:B:528:ILE:HA	2.23	0.68
1:B:542:ILE:HG22	1:B:573:ILE:CD1	2.23	0.68
1:C:157:LYS:CE	1:C:265:THR:HB	2.23	0.68
1:C:429:LEU:CD2	1:C:432:LYS:HE2	2.23	0.68
1:E:132:LEU:CA	1:E:135:ARG:HD3	2.23	0.68
1:F:186:CYS:HB2	1:F:249:ASN:HB3	1.75	0.68
1:F:301:LEU:HD22	1:F:324:LEU:CD2	2.22	0.68
1:F:429:LEU:CD2	1:F:432:LYS:HE2	2.23	0.68
1:G:353:ILE:HG12	1:G:430:LYS:HD2	1.75	0.68
1:H:8:HIS:HB2	1:H:95:GLU:HG3	1.74	0.68
1:H:81:LEU:O	1:H:81:LEU:HD23	1.94	0.68
1:H:323:ARG:O	1:H:326:ILE:HG22	1.93	0.68
1:H:348:LYS:O	1:H:352:ILE:HG13	1.93	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:353:ILE:HG12	1:H:430:LYS:HD2	1.75	0.68
1:H:429:LEU:CD2	1:H:432:LYS:HE2	2.23	0.68
1:I:120:PHE:CZ	1:I:122:LYS:HD3	2.28	0.68
1:I:357:LEU:HD21	1:I:366:ARG:CD	2.23	0.68
1:I:485:THR:OG1	1:I:486:LEU:HD22	1.93	0.68
1:J:396:SER:HA	1:J:399:MET:CG	2.23	0.68
1:J:542:ILE:HG22	1:J:573:ILE:CD1	2.23	0.68
1:K:8:HIS:HB2	1:K:95:GLU:HG3	1.74	0.68
1:K:1148:UNK:HA	1:K:1161:UNK:O	1.93	0.68
1:L:186:CYS:HB2	1:L:249:ASN:HB3	1.75	0.68
1:L:301:LEU:HB2	1:L:324:LEU:HD21	1.75	0.68
1:L:364:GLU:OE2	1:L:401:VAL:HG21	1.93	0.68
1:L:483:ARG:CZ	1:L:528:ILE:HA	2.23	0.68
1:M:150:ASP:N	1:M:287:HIS:HB3	2.08	0.68
1:M:186:CYS:HB2	1:M:249:ASN:HB3	1.75	0.68
1:M:357:LEU:HD21	1:M:366:ARG:CD	2.23	0.68
1:M:412:GLU:HA	1:M:423:PRO:HD2	1.75	0.68
1:N:429:LEU:CD2	1:N:432:LYS:HE2	2.23	0.68
1:O:80:VAL:CG1	1:O:89:MET:HB2	2.24	0.68
1:O:353:ILE:HG12	1:O:430:LYS:HD2	1.75	0.68
1:P:286:ASP:HA	1:P:287:HIS:CB	2.18	0.68
1:A:412:GLU:HA	1:A:423:PRO:HD2	1.75	0.68
1:B:308:ARG:O	1:B:311:ASP:HB2	1.93	0.68
1:C:256:PHE:HE2	1:C:262:ILE:HB	1.58	0.68
1:C:301:LEU:HD22	1:C:324:LEU:CD2	2.22	0.68
1:C:534:LYS:O	1:C:537:ARG:HG2	1.93	0.68
1:D:382:PRO:CG	1:D:385:LEU:HD12	2.22	0.68
1:D:396:SER:HA	1:D:399:MET:CG	2.23	0.68
1:E:120:PHE:CZ	1:E:122:LYS:HD3	2.28	0.68
1:E:357:LEU:HD21	1:E:366:ARG:CD	2.23	0.68
1:G:65:LEU:HD13	1:G:72:MET:HE2	1.74	0.68
1:G:368:MET:HG2	1:G:390:TRP:NE1	2.08	0.68
1:G:1148:UNK:HA	1:G:1161:UNK:O	1.93	0.68
1:H:196:LEU:HD13	1:H:224:ILE:CG2	2.23	0.68
1:H:357:LEU:HD21	1:H:366:ARG:CD	2.23	0.68
1:H:368:MET:HG2	1:H:390:TRP:NE1	2.08	0.68
1:J:382:PRO:CG	1:J:385:LEU:HD12	2.22	0.68
1:J:450:PRO:HG2	1:J:471:ILE:CD1	2.23	0.68
1:K:12:TYR:OH	1:K:91:PRO:HB2	1.93	0.68
1:L:196:LEU:HD22	1:L:224:ILE:CG2	2.23	0.68
1:L:405:LEU:CD1	1:L:411:VAL:HG11	2.24	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:113:LEU:HB3	1:M:166:LEU:HD11	1.74	0.68
1:N:1:MET:HE1	1:N:65:LEU:CD1	2.23	0.68
1:N:8:HIS:HB2	1:N:95:GLU:HG3	1.74	0.68
1:N:81:LEU:O	1:N:81:LEU:HD23	1.94	0.68
1:N:348:LYS:O	1:N:352:ILE:HG13	1.93	0.68
1:N:353:ILE:HG12	1:N:430:LYS:HD2	1.75	0.68
1:N:368:MET:HG2	1:N:390:TRP:NE1	2.08	0.68
1:O:120:PHE:CZ	1:O:122:LYS:HD3	2.28	0.68
1:P:186:CYS:HB2	1:P:249:ASN:HB3	1.75	0.68
1:P:301:LEU:HD22	1:P:324:LEU:CD2	2.22	0.68
1:P:348:LYS:O	1:P:352:ILE:HG13	1.93	0.68
1:P:429:LEU:CD2	1:P:432:LYS:HE2	2.23	0.68
1:A:119:VAL:CB	1:H:277:ALA:C	2.56	0.68
1:A:245:LEU:HD12	1:A:246:ASN:H	1.59	0.68
1:A:301:LEU:HB2	1:A:324:LEU:HD21	1.75	0.68
1:B:120:PHE:CZ	1:B:122:LYS:HD3	2.28	0.68
1:B:196:LEU:HD22	1:B:224:ILE:CG2	2.23	0.68
1:B:405:LEU:CD1	1:B:411:VAL:HG11	2.24	0.68
1:C:120:PHE:CZ	1:C:122:LYS:HD3	2.28	0.68
1:D:80:VAL:CG1	1:D:89:MET:HB2	2.24	0.68
1:D:132:LEU:CA	1:D:135:ARG:HD3	2.23	0.68
1:D:450:PRO:HG2	1:D:471:ILE:CD1	2.23	0.68
1:E:308:ARG:O	1:E:311:ASP:HB2	1.93	0.68
1:E:485:THR:OG1	1:E:486:LEU:HD22	1.93	0.68
1:F:183:LEU:CD2	1:F:244:LEU:HB3	2.23	0.68
1:F:286:ASP:HA	1:F:287:HIS:CB	2.18	0.68
1:F:348:LYS:O	1:F:352:ILE:HG13	1.93	0.68
1:G:21:ASP:HA	1:G:24:VAL:HG12	1.74	0.68
1:G:120:PHE:CZ	1:G:122:LYS:HD3	2.28	0.68
1:G:323:ARG:O	1:G:326:ILE:HG22	1.93	0.68
1:H:1:MET:HE1	1:H:65:LEU:CD1	2.23	0.68
1:H:364:GLU:OE2	1:H:401:VAL:HG21	1.93	0.68
1:I:132:LEU:CA	1:I:135:ARG:HD3	2.23	0.68
1:K:80:VAL:CG1	1:K:89:MET:HB2	2.24	0.68
1:K:120:PHE:CZ	1:K:122:LYS:HD3	2.28	0.68
1:L:120:PHE:CZ	1:L:122:LYS:HD3	2.28	0.68
1:L:183:LEU:CD2	1:L:244:LEU:HB3	2.23	0.68
1:L:308:ARG:O	1:L:311:ASP:HB2	1.93	0.68
1:M:119:VAL:CB	1:N:277:ALA:C	2.56	0.68
1:M:164:VAL:O	1:M:168:TYR:HB2	1.92	0.68
1:M:301:LEU:HB2	1:M:324:LEU:HD21	1.75	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:429:LEU:CD2	1:M:432:LYS:HE2	2.23	0.68
1:N:186:CYS:HB2	1:N:249:ASN:HB3	1.75	0.68
1:N:196:LEU:HD13	1:N:224:ILE:CG2	2.23	0.68
1:N:357:LEU:HD21	1:N:366:ARG:CD	2.23	0.68
1:O:349:LEU:HB3	1:O:426:TYR:CE1	2.27	0.68
1:O:360:LEU:HD21	1:O:405:LEU:CD1	2.21	0.68
1:O:429:LEU:CD2	1:O:432:LYS:HE2	2.23	0.68
1:P:183:LEU:CD2	1:P:244:LEU:HB3	2.23	0.68
1:A:113:LEU:HB3	1:A:166:LEU:HD11	1.74	0.68
1:A:186:CYS:HB2	1:A:249:ASN:HB3	1.75	0.68
1:A:196:LEU:HD22	1:A:224:ILE:CG2	2.23	0.68
1:A:353:ILE:HG12	1:A:430:LYS:HD2	1.75	0.68
1:A:429:LEU:CD2	1:A:432:LYS:HE2	2.23	0.68
1:B:183:LEU:CD2	1:B:244:LEU:HB3	2.23	0.68
1:B:412:GLU:OE2	1:B:422:ILE:HG22	1.94	0.68
1:B:534:LYS:O	1:B:537:ARG:HG2	1.93	0.68
1:C:301:LEU:HB2	1:C:324:LEU:HD21	1.75	0.68
1:C:410:LEU:HB3	1:C:423:PRO:HB2	1.74	0.68
1:C:412:GLU:OE2	1:C:422:ILE:HG22	1.94	0.68
1:E:183:LEU:CD2	1:E:244:LEU:HB3	2.23	0.68
1:E:186:CYS:HB2	1:E:249:ASN:HB3	1.75	0.68
1:G:150:ASP:N	1:G:287:HIS:HB3	2.08	0.68
1:G:349:LEU:HB3	1:G:426:TYR:CE1	2.27	0.68
1:G:428:GLU:O	1:G:432:LYS:HG2	1.94	0.68
1:G:429:LEU:CD2	1:G:432:LYS:HE2	2.23	0.68
1:G:458:LEU:HD22	1:G:491:PHE:CE1	2.29	0.68
1:H:145:LYS:HE2	1:H:147:VAL:HG23	1.74	0.68
1:H:186:CYS:HB2	1:H:249:ASN:HB3	1.75	0.68
1:H:245:LEU:HD12	1:H:246:ASN:H	1.59	0.68
1:H:298:LYS:HZ2	1:H:316:VAL:HA	1.57	0.68
1:I:157:LYS:CE	1:I:265:THR:HB	2.23	0.68
1:I:300:LEU:HD12	1:I:301:LEU:HA	1.76	0.68
1:I:308:ARG:O	1:I:311:ASP:HB2	1.93	0.68
1:J:1148:UNK:HA	1:J:1161:UNK:O	1.93	0.68
1:K:301:LEU:HD22	1:K:324:LEU:CD2	2.22	0.68
1:K:301:LEU:HB2	1:K:324:LEU:HD21	1.75	0.68
1:K:412:GLU:OE2	1:K:422:ILE:HG22	1.94	0.68
1:K:478:ILE:HG13	1:K:479:GLU:N	2.06	0.68
1:L:113:LEU:HB3	1:L:166:LEU:HD11	1.74	0.68
1:L:412:GLU:OE2	1:L:422:ILE:HG22	1.94	0.68
1:L:534:LYS:O	1:L:537:ARG:HG2	1.93	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:245:LEU:HD12	1:M:246:ASN:H	1.59	0.68
1:M:353:ILE:HG12	1:M:430:LYS:HD2	1.75	0.68
1:N:245:LEU:HD12	1:N:246:ASN:H	1.59	0.68
1:N:364:GLU:OE2	1:N:401:VAL:HG21	1.93	0.68
1:O:186:CYS:HB2	1:O:249:ASN:HB3	1.75	0.68
1:O:323:ARG:O	1:O:326:ILE:HG22	1.93	0.68
1:O:428:GLU:O	1:O:432:LYS:HG2	1.94	0.68
1:P:80:VAL:CG1	1:P:89:MET:HB2	2.24	0.68
1:A:120:PHE:CG	1:A:122:LYS:HD3	2.29	0.68
1:A:485:THR:OG1	1:A:486:LEU:HD22	1.93	0.68
1:C:428:GLU:O	1:C:432:LYS:HG2	1.94	0.68
1:C:468:TYR:CE2	1:C:501:ILE:HD13	2.29	0.68
1:C:478:ILE:HG13	1:C:479:GLU:N	2.06	0.68
1:C:485:THR:OG1	1:C:486:LEU:HD22	1.93	0.68
1:D:8:HIS:HB2	1:D:95:GLU:HG3	1.74	0.68
1:D:125:VAL:HG12	1:D:300:LEU:HD22	1.75	0.68
1:D:245:LEU:HD12	1:D:246:ASN:H	1.59	0.68
1:D:1148:UNK:HA	1:D:1161:UNK:O	1.93	0.68
1:E:157:LYS:CE	1:E:265:THR:HB	2.23	0.68
1:E:245:LEU:HD12	1:E:246:ASN:H	1.59	0.68
1:E:300:LEU:HD12	1:E:301:LEU:HA	1.76	0.68
1:E:412:GLU:OE2	1:E:422:ILE:HG22	1.94	0.68
1:E:458:LEU:HD22	1:E:491:PHE:CE1	2.29	0.68
1:F:196:LEU:HD22	1:F:224:ILE:CG2	2.23	0.68
1:G:300:LEU:HD12	1:G:301:LEU:HA	1.76	0.68
1:G:485:THR:OG1	1:G:486:LEU:HD22	1.93	0.68
1:H:300:LEU:HD12	1:H:301:LEU:HA	1.76	0.68
1:H:405:LEU:CD1	1:H:411:VAL:HG11	2.24	0.68
1:I:186:CYS:HB2	1:I:249:ASN:HB3	1.75	0.68
1:I:412:GLU:OE2	1:I:422:ILE:HG22	1.94	0.68
1:I:458:LEU:HD22	1:I:491:PHE:CE1	2.29	0.68
1:J:80:VAL:CG1	1:J:89:MET:HB2	2.24	0.68
1:J:132:LEU:CA	1:J:135:ARG:HD3	2.23	0.68
1:J:357:LEU:HD21	1:J:366:ARG:CD	2.23	0.68
1:K:125:VAL:HG12	1:K:300:LEU:HD22	1.75	0.68
1:K:196:LEU:HD13	1:K:224:ILE:CG2	2.23	0.68
1:K:410:LEU:HB3	1:K:423:PRO:HB2	1.74	0.68
1:K:428:GLU:O	1:K:432:LYS:HG2	1.94	0.68
1:K:468:TYR:CE2	1:K:501:ILE:HD13	2.29	0.68
1:K:485:THR:OG1	1:K:486:LEU:HD22	1.93	0.68
1:K:534:LYS:O	1:K:537:ARG:HG2	1.93	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:196:LEU:HD22	1:M:224:ILE:CG2	2.23	0.68
1:N:145:LYS:HE2	1:N:147:VAL:HG23	1.74	0.68
1:N:405:LEU:CD1	1:N:411:VAL:HG11	2.24	0.68
1:O:125:VAL:HB	1:O:297:VAL:CA	2.16	0.68
1:O:150:ASP:N	1:O:287:HIS:HB3	2.08	0.68
1:O:458:LEU:HD22	1:O:491:PHE:CE1	2.29	0.68
1:P:300:LEU:HD12	1:P:301:LEU:HA	1.76	0.68
1:A:127:ARG:HB3	1:A:292:LEU:CD2	2.21	0.68
1:A:458:LEU:HD22	1:A:491:PHE:CE1	2.29	0.68
1:A:476:LYS:HE3	1:A:529:CYS:SG	2.34	0.68
1:B:245:LEU:HD12	1:B:246:ASN:H	1.59	0.68
1:B:357:LEU:HD21	1:B:366:ARG:CD	2.23	0.68
1:B:396:SER:HA	1:B:399:MET:CG	2.23	0.68
1:B:476:LYS:HE3	1:B:529:CYS:SG	2.34	0.68
1:C:35:MET:HA	1:C:39:ILE:HG22	1.76	0.68
1:C:120:PHE:CG	1:C:122:LYS:HD3	2.29	0.68
1:C:125:VAL:HG12	1:C:300:LEU:HD22	1.75	0.68
1:C:245:LEU:HD12	1:C:246:ASN:H	1.59	0.68
1:C:348:LYS:O	1:C:352:ILE:HG13	1.93	0.68
1:C:360:LEU:HD21	1:C:405:LEU:CD1	2.21	0.68
1:C:412:GLU:HA	1:C:423:PRO:HD2	1.75	0.68
1:D:157:LYS:CE	1:D:265:THR:HB	2.23	0.68
1:D:300:LEU:HD12	1:D:301:LEU:HA	1.76	0.68
1:D:357:LEU:HD21	1:D:366:ARG:CD	2.23	0.68
1:D:428:GLU:O	1:D:432:LYS:HG2	1.94	0.68
1:E:196:LEU:HD22	1:E:224:ILE:CG2	2.23	0.68
1:E:382:PRO:HA	1:E:419:THR:CG2	2.24	0.68
1:F:80:VAL:CG1	1:F:89:MET:HB2	2.24	0.68
1:F:300:LEU:HD12	1:F:301:LEU:HA	1.76	0.68
1:F:428:GLU:O	1:F:432:LYS:HG2	1.94	0.68
1:G:186:CYS:HB2	1:G:249:ASN:HB3	1.75	0.68
1:G:245:LEU:HD12	1:G:246:ASN:H	1.59	0.68
1:G:301:LEU:HD22	1:G:324:LEU:CD2	2.22	0.68
1:H:428:GLU:O	1:H:432:LYS:HG2	1.94	0.68
1:H:1148:UNK:HA	1:H:1161:UNK:O	1.93	0.68
1:I:183:LEU:CD2	1:I:244:LEU:HB3	2.23	0.68
1:I:196:LEU:HD22	1:I:224:ILE:CG2	2.23	0.68
1:I:245:LEU:HD12	1:I:246:ASN:H	1.59	0.68
1:I:323:ARG:O	1:I:326:ILE:HG22	1.93	0.68
1:I:382:PRO:HA	1:I:419:THR:CG2	2.24	0.68
1:J:125:VAL:HG12	1:J:300:LEU:HD22	1.75	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:245:LEU:HD12	1:J:246:ASN:H	1.59	0.68
1:J:300:LEU:HD12	1:J:301:LEU:HA	1.76	0.68
1:J:410:LEU:HB3	1:J:423:PRO:HB2	1.74	0.68
1:K:348:LYS:O	1:K:352:ILE:HG13	1.93	0.68
1:L:396:SER:HA	1:L:399:MET:CG	2.23	0.68
1:L:476:LYS:HE3	1:L:529:CYS:SG	2.34	0.68
1:M:308:ARG:O	1:M:311:ASP:HB2	1.93	0.68
1:N:300:LEU:HD12	1:N:301:LEU:HA	1.76	0.68
1:N:468:TYR:CE2	1:N:501:ILE:HD13	2.29	0.68
1:O:245:LEU:HD12	1:O:246:ASN:H	1.59	0.68
1:O:300:LEU:HD12	1:O:301:LEU:HA	1.76	0.68
1:O:485:THR:OG1	1:O:486:LEU:HD22	1.93	0.68
1:P:196:LEU:HD22	1:P:224:ILE:CG2	2.23	0.68
1:P:428:GLU:O	1:P:432:LYS:HG2	1.94	0.68
1:P:468:TYR:CE2	1:P:501:ILE:HD13	2.29	0.68
1:A:308:ARG:HB2	1:A:311:ASP:OD2	1.94	0.68
1:A:468:TYR:CE2	1:A:501:ILE:HD13	2.29	0.68
1:A:495:ARG:HB3	1:A:561:LEU:HD11	1.75	0.68
1:B:28:ASP:CA	1:B:31:ASP:HB2	2.24	0.68
1:B:113:LEU:HB3	1:B:166:LEU:HD11	1.74	0.68
1:B:125:VAL:HG12	1:B:300:LEU:HD22	1.75	0.68
1:B:242:LEU:HB2	1:B:262:ILE:CD1	2.24	0.68
1:B:353:ILE:CG1	1:B:430:LYS:HD2	2.24	0.68
1:C:27:PHE:HA	1:C:30:LYS:HE2	1.76	0.68
1:C:132:LEU:CA	1:C:135:ARG:HD3	2.23	0.68
1:C:196:LEU:HD13	1:C:224:ILE:CG2	2.23	0.68
1:D:65:LEU:HD13	1:D:72:MET:HE2	1.75	0.68
1:D:410:LEU:HB3	1:D:423:PRO:HB2	1.74	0.68
1:E:150:ASP:N	1:E:287:HIS:HB3	2.08	0.68
1:E:301:LEU:HD22	1:E:324:LEU:CD2	2.22	0.68
1:F:245:LEU:HD12	1:F:246:ASN:H	1.59	0.68
1:F:353:ILE:HG12	1:F:430:LYS:HD2	1.75	0.68
1:F:412:GLU:OE2	1:F:422:ILE:HG22	1.94	0.68
1:F:468:TYR:CE2	1:F:501:ILE:HD13	2.29	0.68
1:G:125:VAL:HB	1:G:297:VAL:CA	2.16	0.68
1:G:242:LEU:HB2	1:G:262:ILE:CD1	2.24	0.68
1:G:357:LEU:HD21	1:G:366:ARG:CD	2.23	0.68
1:G:495:ARG:HB3	1:G:561:LEU:HD11	1.75	0.68
1:G:972:UNK:O	1:G:987:UNK:HA	1.92	0.68
1:H:256:PHE:HE2	1:H:262:ILE:HB	1.58	0.68
1:H:308:ARG:HB2	1:H:311:ASP:OD2	1.94	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:468:TYR:CE2	1:H:501:ILE:HD13	2.29	0.68
1:J:8:HIS:HB2	1:J:95:GLU:HG3	1.74	0.68
1:J:12:TYR:OH	1:J:91:PRO:HB2	1.93	0.68
1:J:35:MET:HA	1:J:39:ILE:HG22	1.76	0.68
1:J:157:LYS:CE	1:J:265:THR:HB	2.23	0.68
1:J:428:GLU:O	1:J:432:LYS:HG2	1.94	0.68
1:K:27:PHE:HA	1:K:30:LYS:HE2	1.76	0.68
1:K:35:MET:HA	1:K:39:ILE:HG22	1.76	0.68
1:K:120:PHE:CG	1:K:122:LYS:HD3	2.29	0.68
1:K:245:LEU:HD12	1:K:246:ASN:H	1.59	0.68
1:K:412:GLU:HA	1:K:423:PRO:HD2	1.75	0.68
1:K:476:LYS:HE3	1:K:529:CYS:SG	2.34	0.68
1:L:28:ASP:CA	1:L:31:ASP:HB2	2.24	0.68
1:L:242:LEU:HB2	1:L:262:ILE:CD1	2.24	0.68
1:L:245:LEU:HD12	1:L:246:ASN:H	1.59	0.68
1:L:353:ILE:CG1	1:L:430:LYS:HD2	2.24	0.68
1:L:357:LEU:HD21	1:L:366:ARG:CD	2.23	0.68
1:L:412:GLU:HA	1:L:423:PRO:HD2	1.75	0.68
1:M:120:PHE:CG	1:M:122:LYS:HD3	2.29	0.68
1:M:127:ARG:HB3	1:M:292:LEU:CD2	2.21	0.68
1:M:308:ARG:HB2	1:M:311:ASP:OD2	1.94	0.68
1:M:396:SER:HA	1:M:399:MET:CG	2.23	0.68
1:M:412:GLU:OE2	1:M:422:ILE:HG22	1.94	0.68
1:M:458:LEU:HD22	1:M:491:PHE:CE1	2.29	0.68
1:M:468:TYR:CE2	1:M:501:ILE:HD13	2.29	0.68
1:M:476:LYS:HE3	1:M:529:CYS:SG	2.34	0.68
1:M:483:ARG:CZ	1:M:528:ILE:HA	2.23	0.68
1:M:485:THR:OG1	1:M:486:LEU:HD22	1.93	0.68
1:N:308:ARG:O	1:N:311:ASP:HB2	1.93	0.68
1:N:428:GLU:O	1:N:432:LYS:HG2	1.94	0.68
1:N:1148:UNK:HA	1:N:1161:UNK:O	1.93	0.68
1:O:242:LEU:HB2	1:O:262:ILE:CD1	2.24	0.68
1:O:301:LEU:HD22	1:O:324:LEU:CD2	2.22	0.68
1:O:495:ARG:HB3	1:O:561:LEU:HD11	1.75	0.68
1:P:353:ILE:HG12	1:P:430:LYS:HD2	1.75	0.68
1:P:412:GLU:OE2	1:P:422:ILE:HG22	1.94	0.68
1:A:3:PHE:CE2	1:H:141:LEU:CD1	2.77	0.68
1:A:308:ARG:O	1:A:311:ASP:HB2	1.93	0.68
1:A:396:SER:HA	1:A:399:MET:CG	2.23	0.68
1:A:412:GLU:OE2	1:A:422:ILE:HG22	1.94	0.68
1:B:308:ARG:HB2	1:B:311:ASP:OD2	1.94	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:412:GLU:HA	1:B:423:PRO:HD2	1.75	0.68
1:C:353:ILE:CG1	1:C:430:LYS:HD2	2.24	0.68
1:C:476:LYS:HE3	1:C:529:CYS:SG	2.34	0.68
1:D:35:MET:HA	1:D:39:ILE:HG22	1.76	0.68
1:D:468:TYR:CE2	1:D:501:ILE:HD13	2.29	0.68
1:E:141:LEU:CD1	1:F:3:PHE:CE2	2.77	0.68
1:E:323:ARG:O	1:E:326:ILE:HG22	1.93	0.68
1:F:35:MET:HA	1:F:39:ILE:HG22	1.76	0.68
1:F:120:PHE:CZ	1:F:122:LYS:HD3	2.28	0.68
1:G:35:MET:HA	1:G:39:ILE:HG22	1.76	0.68
1:H:80:VAL:CG1	1:H:89:MET:HB2	2.24	0.68
1:I:21:ASP:HA	1:I:24:VAL:HG12	1.74	0.68
1:I:141:LEU:CD1	1:P:3:PHE:CE2	2.77	0.68
1:I:301:LEU:HD22	1:I:324:LEU:CD2	2.22	0.68
1:J:28:ASP:CA	1:J:31:ASP:HB2	2.24	0.68
1:J:468:TYR:CE2	1:J:501:ILE:HD13	2.29	0.68
1:K:32:VAL:HG12	1:K:45:ILE:HG21	1.75	0.68
1:K:488:ARG:HA	1:K:491:PHE:N	2.09	0.68
1:L:125:VAL:HG12	1:L:300:LEU:HD22	1.75	0.68
1:L:308:ARG:HB2	1:L:311:ASP:OD2	1.94	0.68
1:M:3:PHE:CE2	1:N:141:LEU:CD1	2.77	0.68
1:M:495:ARG:HB3	1:M:561:LEU:HD11	1.75	0.68
1:N:80:VAL:CG1	1:N:89:MET:HB2	2.24	0.68
1:N:308:ARG:HB2	1:N:311:ASP:OD2	1.94	0.68
1:O:35:MET:HA	1:O:39:ILE:HG22	1.76	0.68
1:O:256:PHE:HE2	1:O:262:ILE:HB	1.58	0.68
1:O:972:UNK:O	1:O:987:UNK:HA	1.92	0.68
1:P:245:LEU:HD12	1:P:246:ASN:H	1.59	0.68
1:A:145:LYS:HE2	1:A:147:VAL:HG23	1.74	0.68
1:A:483:ARG:CZ	1:A:528:ILE:HA	2.23	0.68
1:B:80:VAL:CG1	1:B:89:MET:HB2	2.24	0.68
1:B:496:PHE:CZ	1:B:558:TYR:CD1	2.82	0.68
1:C:32:VAL:HG12	1:C:45:ILE:HG21	1.75	0.68
1:D:12:TYR:OH	1:D:91:PRO:HB2	1.93	0.68
1:D:28:ASP:CA	1:D:31:ASP:HB2	2.24	0.68
1:D:32:VAL:HG12	1:D:45:ILE:HG21	1.75	0.68
1:E:80:VAL:CG1	1:E:89:MET:HB2	2.23	0.68
1:E:242:LEU:HB2	1:E:262:ILE:CD1	2.24	0.68
1:E:483:ARG:CZ	1:E:528:ILE:HA	2.23	0.68
1:G:256:PHE:HE2	1:G:262:ILE:HB	1.58	0.68
1:G:542:ILE:HG22	1:G:573:ILE:CD1	2.23	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:557:LYS:H	1:G:597:UNK:HA	1.59	0.68
1:H:308:ARG:O	1:H:311:ASP:HB2	1.93	0.68
1:I:150:ASP:N	1:I:287:HIS:HB3	2.08	0.68
1:I:242:LEU:HB2	1:I:262:ILE:CD1	2.24	0.68
1:J:65:LEU:HD13	1:J:72:MET:HE2	1.75	0.68
1:K:81:LEU:O	1:K:81:LEU:HD23	1.93	0.68
1:K:132:LEU:CA	1:K:135:ARG:HD3	2.23	0.68
1:K:353:ILE:CG1	1:K:430:LYS:HD2	2.24	0.68
1:K:360:LEU:HD21	1:K:405:LEU:CD1	2.21	0.68
1:L:80:VAL:CG1	1:L:89:MET:HB2	2.24	0.68
1:L:382:PRO:CG	1:L:385:LEU:HD12	2.22	0.68
1:L:458:LEU:HD22	1:L:491:PHE:CE1	2.29	0.68
1:L:468:TYR:CE2	1:L:501:ILE:HD13	2.29	0.68
1:M:145:LYS:HE2	1:M:147:VAL:HG23	1.74	0.68
1:M:364:GLU:OE2	1:M:401:VAL:HG21	1.93	0.68
1:M:368:MET:HG2	1:M:390:TRP:NE1	2.08	0.68
1:N:120:PHE:CG	1:N:122:LYS:HD3	2.29	0.68
1:N:256:PHE:HE2	1:N:262:ILE:HB	1.58	0.68
1:N:495:ARG:HB3	1:N:561:LEU:HD11	1.75	0.68
1:O:308:ARG:O	1:O:311:ASP:HB2	1.93	0.68
1:O:357:LEU:HD21	1:O:366:ARG:CD	2.23	0.68
1:P:35:MET:HA	1:P:39:ILE:HG22	1.76	0.68
1:A:20:GLU:CB	1:A:24:VAL:HB	2.21	0.67
1:A:28:ASP:O	1:A:45:ILE:HD11	1.94	0.67
1:A:80:VAL:CG1	1:A:89:MET:HB2	2.23	0.67
1:A:349:LEU:HB3	1:A:426:TYR:HE1	1.59	0.67
1:A:496:PHE:CZ	1:A:558:TYR:CD1	2.82	0.67
1:B:35:MET:HA	1:B:39:ILE:HG22	1.76	0.67
1:B:458:LEU:HD22	1:B:491:PHE:CE1	2.29	0.67
1:B:468:TYR:CE2	1:B:501:ILE:HD13	2.29	0.67
1:C:458:LEU:HD22	1:C:491:PHE:CE1	2.29	0.67
1:D:27:PHE:HA	1:D:30:LYS:HE2	1.76	0.67
1:D:141:LEU:CD1	1:E:3:PHE:CE2	2.77	0.67
1:D:348:LYS:O	1:D:352:ILE:HG13	1.93	0.67
1:D:486:LEU:HD13	1:D:488:ARG:HH12	1.59	0.67
1:D:495:ARG:HB3	1:D:561:LEU:HD11	1.75	0.67
1:E:405:LEU:CD1	1:E:411:VAL:HG11	2.24	0.67
1:F:141:LEU:CD1	1:G:3:PHE:CE2	2.77	0.67
1:G:125:VAL:HG12	1:G:300:LEU:HD22	1.75	0.67
1:G:293:THR:O	1:G:297:VAL:HG23	1.95	0.67
1:G:308:ARG:O	1:G:311:ASP:HB2	1.93	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:110:ARG:CG	1:H:114:TYR:HE2	2.07	0.67
1:H:120:PHE:CG	1:H:122:LYS:HD3	2.29	0.67
1:H:396:SER:HA	1:H:399:MET:CG	2.23	0.67
1:H:476:LYS:HE3	1:H:529:CYS:SG	2.34	0.67
1:H:557:LYS:H	1:H:597:UNK:HA	1.59	0.67
1:I:3:PHE:CE2	1:J:141:LEU:CD1	2.77	0.67
1:I:35:MET:HA	1:I:39:ILE:HG22	1.76	0.67
1:I:428:GLU:O	1:I:432:LYS:HG2	1.94	0.67
1:J:27:PHE:HA	1:J:30:LYS:HE2	1.76	0.67
1:J:32:VAL:HG12	1:J:45:ILE:HG21	1.75	0.67
1:J:405:LEU:CD1	1:J:411:VAL:HG11	2.24	0.67
1:J:495:ARG:HB3	1:J:561:LEU:HD11	1.75	0.67
1:K:382:PRO:CG	1:K:385:LEU:HD12	2.22	0.67
1:K:458:LEU:HD22	1:K:491:PHE:CE1	2.29	0.67
1:L:81:LEU:O	1:L:81:LEU:HD23	1.94	0.67
1:L:256:PHE:HE2	1:L:262:ILE:HB	1.58	0.67
1:L:293:THR:O	1:L:297:VAL:HG23	1.95	0.67
1:L:496:PHE:CZ	1:L:558:TYR:CD1	2.82	0.67
1:M:28:ASP:O	1:M:45:ILE:HD11	1.94	0.67
1:M:300:LEU:HD12	1:M:301:LEU:HA	1.76	0.67
1:M:349:LEU:HB3	1:M:426:TYR:HE1	1.59	0.67
1:M:382:PRO:HA	1:M:419:THR:CG2	2.24	0.67
1:N:110:ARG:CG	1:N:114:TYR:HE2	2.07	0.67
1:N:458:LEU:HD22	1:N:491:PHE:CE1	2.29	0.67
1:N:476:LYS:HE3	1:N:529:CYS:SG	2.34	0.67
1:O:3:PHE:CE2	1:P:141:LEU:CD1	2.77	0.67
1:O:542:ILE:HG22	1:O:573:ILE:CD1	2.23	0.67
1:P:120:PHE:CZ	1:P:122:LYS:HD3	2.28	0.67
1:P:301:LEU:HB2	1:P:324:LEU:HD21	1.75	0.67
1:A:60:ARG:NE	1:A:128:LEU:HD11	2.06	0.67
1:A:300:LEU:HD12	1:A:301:LEU:HA	1.76	0.67
1:A:364:GLU:OE2	1:A:401:VAL:HG21	1.93	0.67
1:A:368:MET:HG2	1:A:390:TRP:NE1	2.08	0.67
1:A:382:PRO:HA	1:A:419:THR:CG2	2.24	0.67
1:A:557:LYS:H	1:A:597:UNK:HA	1.59	0.67
1:B:21:ASP:HA	1:B:24:VAL:HG12	1.74	0.67
1:B:81:LEU:O	1:B:81:LEU:HD23	1.94	0.67
1:B:293:THR:O	1:B:297:VAL:HG23	1.95	0.67
1:B:382:PRO:CG	1:B:385:LEU:HD12	2.22	0.67
1:B:428:GLU:O	1:B:432:LYS:HG2	1.94	0.67
1:C:81:LEU:O	1:C:81:LEU:HD23	1.93	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:89:MET:HG2	1:D:93:LYS:HE2	1.77	0.67
1:D:120:PHE:CG	1:D:122:LYS:HD3	2.29	0.67
1:D:301:LEU:HB2	1:D:324:LEU:HD21	1.75	0.67
1:D:405:LEU:CD1	1:D:411:VAL:HG11	2.24	0.67
1:E:21:ASP:HA	1:E:24:VAL:HG12	1.74	0.67
1:E:35:MET:HA	1:E:39:ILE:HG22	1.76	0.67
1:E:353:ILE:CG1	1:E:430:LYS:HD2	2.24	0.67
1:E:542:ILE:HG22	1:E:573:ILE:CD1	2.23	0.67
1:F:149:ILE:HG21	1:F:265:THR:HG22	1.77	0.67
1:F:157:LYS:CE	1:F:265:THR:HB	2.23	0.67
1:F:301:LEU:HB2	1:F:324:LEU:HD21	1.75	0.67
1:F:346:CYS:HB3	1:F:429:LEU:HD11	1.77	0.67
1:F:349:LEU:HB3	1:F:426:TYR:HE1	1.59	0.67
1:H:301:LEU:HB2	1:H:324:LEU:HD21	1.75	0.67
1:H:353:ILE:CG1	1:H:430:LYS:HD2	2.24	0.67
1:H:458:LEU:HD22	1:H:491:PHE:CE1	2.29	0.67
1:H:495:ARG:HB3	1:H:561:LEU:HD11	1.75	0.67
1:H:542:ILE:HG22	1:H:573:ILE:CD1	2.23	0.67
1:I:80:VAL:CG1	1:I:89:MET:HB2	2.23	0.67
1:I:405:LEU:CD1	1:I:411:VAL:HG11	2.24	0.67
1:I:483:ARG:CZ	1:I:528:ILE:HA	2.23	0.67
1:J:81:LEU:O	1:J:81:LEU:HD23	1.94	0.67
1:J:89:MET:HG2	1:J:93:LYS:HE2	1.77	0.67
1:J:308:ARG:O	1:J:311:ASP:HB2	1.93	0.67
1:K:357:LEU:HD21	1:K:366:ARG:CD	2.23	0.67
1:L:21:ASP:HA	1:L:24:VAL:HG12	1.74	0.67
1:L:35:MET:HA	1:L:39:ILE:HG22	1.76	0.67
1:L:382:PRO:HA	1:L:419:THR:CG2	2.24	0.67
1:N:353:ILE:CG1	1:N:430:LYS:HD2	2.24	0.67
1:N:396:SER:HA	1:N:399:MET:CG	2.23	0.67
1:N:485:THR:OG1	1:N:486:LEU:HD22	1.93	0.67
1:N:534:LYS:O	1:N:537:ARG:HG2	1.93	0.67
1:N:542:ILE:HG22	1:N:573:ILE:CD1	2.23	0.67
1:N:557:LYS:H	1:N:597:UNK:HA	1.59	0.67
1:O:125:VAL:HG12	1:O:300:LEU:HD22	1.75	0.67
1:O:186:CYS:HB2	1:O:249:ASN:CB	2.25	0.67
1:O:293:THR:O	1:O:297:VAL:HG23	1.95	0.67
1:O:557:LYS:H	1:O:597:UNK:HA	1.59	0.67
1:P:1:MET:HE1	1:P:65:LEU:CD1	2.24	0.67
1:P:81:LEU:O	1:P:81:LEU:HD23	1.94	0.67
1:P:149:ILE:HG21	1:P:265:THR:HG22	1.77	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:346:CYS:HB3	1:P:429:LEU:HD11	1.77	0.67
1:A:20:GLU:HG3	1:A:85:TYR:CZ	2.30	0.67
1:A:293:THR:O	1:A:297:VAL:HG23	1.95	0.67
1:B:27:PHE:HA	1:B:30:LYS:HE2	1.76	0.67
1:B:149:ILE:HG21	1:B:265:THR:HG22	1.77	0.67
1:B:256:PHE:HE2	1:B:262:ILE:HB	1.58	0.67
1:B:353:ILE:HG12	1:B:430:LYS:HD2	1.75	0.67
1:B:357:LEU:HD21	1:B:366:ARG:HD2	1.77	0.67
1:B:382:PRO:HA	1:B:419:THR:CG2	2.24	0.67
1:C:382:PRO:CG	1:C:385:LEU:HD12	2.22	0.67
1:C:396:SER:HA	1:C:399:MET:CG	2.23	0.67
1:C:541:ALA:HB1	1:C:571:GLU:CG	2.24	0.67
1:D:28:ASP:O	1:D:45:ILE:HD11	1.94	0.67
1:D:196:LEU:HD22	1:D:224:ILE:CG2	2.23	0.67
1:D:290:MET:O	1:D:291:THR:HG22	1.95	0.67
1:E:110:ARG:CG	1:E:114:TYR:HE2	2.07	0.67
1:E:125:VAL:HG12	1:E:300:LEU:HD22	1.75	0.67
1:E:357:LEU:HD21	1:E:366:ARG:HD2	1.77	0.67
1:E:428:GLU:O	1:E:432:LYS:HG2	1.94	0.67
1:E:476:LYS:HE3	1:E:529:CYS:SG	2.34	0.67
1:F:81:LEU:O	1:F:81:LEU:HD23	1.94	0.67
1:F:120:PHE:CG	1:F:122:LYS:HD3	2.29	0.67
1:F:293:THR:O	1:F:297:VAL:HG23	1.95	0.67
1:F:557:LYS:H	1:F:597:UNK:HA	1.59	0.67
1:G:196:LEU:HD22	1:G:224:ILE:CG2	2.23	0.67
1:G:468:TYR:CE2	1:G:501:ILE:HD13	2.29	0.67
1:H:293:THR:O	1:H:297:VAL:HG23	1.95	0.67
1:H:534:LYS:O	1:H:537:ARG:HG2	1.93	0.67
1:I:125:VAL:HG12	1:I:300:LEU:HD22	1.75	0.67
1:I:353:ILE:CG1	1:I:430:LYS:HD2	2.24	0.67
1:I:357:LEU:HD21	1:I:366:ARG:HD2	1.77	0.67
1:I:542:ILE:HG22	1:I:573:ILE:CD1	2.23	0.67
1:J:28:ASP:O	1:J:45:ILE:HD11	1.94	0.67
1:J:120:PHE:CG	1:J:122:LYS:HD3	2.29	0.67
1:J:196:LEU:HD13	1:J:224:ILE:CG2	2.23	0.67
1:J:290:MET:O	1:J:291:THR:HG22	1.95	0.67
1:J:301:LEU:HB2	1:J:324:LEU:HD21	1.75	0.67
1:J:348:LYS:O	1:J:352:ILE:HG13	1.93	0.67
1:J:486:LEU:HD13	1:J:488:ARG:HH12	1.59	0.67
1:L:28:ASP:O	1:L:45:ILE:HD11	1.94	0.67
1:L:353:ILE:HG12	1:L:430:LYS:HD2	1.75	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:357:LEU:HD21	1:L:366:ARG:HD2	1.77	0.67
1:L:1148:UNK:HA	1:L:1161:UNK:O	1.93	0.67
1:M:20:GLU:HG3	1:M:85:TYR:CZ	2.30	0.67
1:M:80:VAL:CG1	1:M:89:MET:HB2	2.24	0.67
1:M:81:LEU:HD23	1:M:81:LEU:O	1.93	0.67
1:M:120:PHE:CZ	1:M:122:LYS:HD3	2.28	0.67
1:M:293:THR:O	1:M:297:VAL:HG23	1.95	0.67
1:M:496:PHE:CZ	1:M:558:TYR:CD1	2.82	0.67
1:M:557:LYS:H	1:M:597:UNK:HA	1.59	0.67
1:N:35:MET:HA	1:N:39:ILE:HG22	1.76	0.67
1:N:293:THR:O	1:N:297:VAL:HG23	1.95	0.67
1:N:301:LEU:HB2	1:N:324:LEU:HD21	1.75	0.67
1:N:382:PRO:HA	1:N:419:THR:CG2	2.24	0.67
1:O:196:LEU:HD22	1:O:224:ILE:CG2	2.23	0.67
1:O:405:LEU:CD1	1:O:411:VAL:HG11	2.24	0.67
1:O:483:ARG:CZ	1:O:528:ILE:HA	2.23	0.67
1:P:120:PHE:CG	1:P:122:LYS:HD3	2.29	0.67
1:P:157:LYS:CE	1:P:265:THR:HB	2.23	0.67
1:P:293:THR:O	1:P:297:VAL:HG23	1.95	0.67
1:P:349:LEU:HB3	1:P:426:TYR:HE1	1.59	0.67
1:P:353:ILE:CG1	1:P:430:LYS:HD2	2.24	0.67
1:A:81:LEU:HD23	1:A:81:LEU:O	1.93	0.67
1:A:110:ARG:CG	1:A:114:TYR:HE2	2.07	0.67
1:A:120:PHE:CZ	1:A:122:LYS:HD3	2.28	0.67
1:A:237:TYR:O	1:A:240:CYS:HB2	1.95	0.67
1:A:346:CYS:HB3	1:A:429:LEU:HD11	1.77	0.67
1:A:428:GLU:O	1:A:432:LYS:HG2	1.94	0.67
1:B:28:ASP:O	1:B:45:ILE:HD11	1.94	0.67
1:B:488:ARG:HA	1:B:491:PHE:N	2.09	0.67
1:C:110:ARG:CG	1:C:114:TYR:HE2	2.07	0.67
1:C:141:LEU:CD1	1:D:3:PHE:CE2	2.77	0.67
1:C:357:LEU:HD21	1:C:366:ARG:CD	2.23	0.67
1:D:81:LEU:O	1:D:81:LEU:HD23	1.94	0.67
1:D:149:ILE:HG21	1:D:265:THR:HG22	1.77	0.67
1:D:196:LEU:HD13	1:D:224:ILE:CG2	2.23	0.67
1:D:308:ARG:O	1:D:311:ASP:HB2	1.93	0.67
1:D:541:ALA:HB1	1:D:571:GLU:CG	2.25	0.67
1:E:486:LEU:HD13	1:E:488:ARG:HH12	1.59	0.67
1:F:1:MET:HE1	1:F:65:LEU:CD1	2.24	0.67
1:F:353:ILE:CG1	1:F:430:LYS:HD2	2.24	0.67
1:G:186:CYS:HB2	1:G:249:ASN:CB	2.25	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:346:CYS:HB3	1:G:429:LEU:HD11	1.77	0.67
1:G:405:LEU:CD1	1:G:411:VAL:HG11	2.24	0.67
1:H:35:MET:HA	1:H:39:ILE:HG22	1.76	0.67
1:H:382:PRO:HA	1:H:419:THR:CG2	2.24	0.67
1:I:110:ARG:CG	1:I:114:TYR:HE2	2.07	0.67
1:I:196:LEU:HD13	1:I:224:ILE:CG2	2.23	0.67
1:I:476:LYS:HE3	1:I:529:CYS:SG	2.34	0.67
1:I:486:LEU:HD13	1:I:488:ARG:HH12	1.59	0.67
1:J:3:PHE:CE2	1:K:141:LEU:CD1	2.77	0.67
1:J:149:ILE:HG21	1:J:265:THR:HG22	1.77	0.67
1:J:242:LEU:HB2	1:J:262:ILE:CD1	2.24	0.67
1:J:476:LYS:HE3	1:J:529:CYS:SG	2.34	0.67
1:J:485:THR:OG1	1:J:486:LEU:HD22	1.93	0.67
1:J:541:ALA:HB1	1:J:571:GLU:CG	2.25	0.67
1:K:20:GLU:HG3	1:K:85:TYR:CZ	2.30	0.67
1:K:110:ARG:CG	1:K:114:TYR:HE2	2.07	0.67
1:K:308:ARG:HB2	1:K:311:ASP:OD2	1.94	0.67
1:K:541:ALA:HB1	1:K:571:GLU:CG	2.25	0.67
1:K:541:ALA:CB	1:K:571:GLU:HG2	2.24	0.67
1:L:149:ILE:HG21	1:L:265:THR:HG22	1.77	0.67
1:L:428:GLU:O	1:L:432:LYS:HG2	1.94	0.67
1:L:488:ARG:HA	1:L:491:PHE:N	2.09	0.67
1:M:110:ARG:CG	1:M:114:TYR:HE2	2.07	0.67
1:M:237:TYR:O	1:M:240:CYS:HB2	1.95	0.67
1:N:412:GLU:OE2	1:N:422:ILE:HG22	1.94	0.67
1:O:346:CYS:HB3	1:O:429:LEU:HD11	1.77	0.67
1:O:468:TYR:CE2	1:O:501:ILE:HD13	2.29	0.67
1:O:541:ALA:CB	1:O:571:GLU:HG2	2.24	0.67
1:P:541:ALA:CB	1:P:571:GLU:HG2	2.24	0.67
1:P:557:LYS:H	1:P:597:UNK:HA	1.59	0.67
1:A:486:LEU:HD13	1:A:488:ARG:HH12	1.59	0.67
1:B:141:LEU:CD1	1:C:3:PHE:CE2	2.77	0.67
1:B:1148:UNK:HA	1:B:1161:UNK:O	1.93	0.67
1:C:20:GLU:HG3	1:C:85:TYR:CZ	2.30	0.67
1:C:300:LEU:HD12	1:C:301:LEU:HA	1.76	0.67
1:C:308:ARG:HB2	1:C:311:ASP:OD2	1.94	0.67
1:C:325:SER:CB	3:C:1402:DTP:H1'	2.25	0.67
1:D:20:GLU:HG3	1:D:85:TYR:CZ	2.30	0.67
1:D:110:ARG:CG	1:D:114:TYR:HE2	2.07	0.67
1:D:242:LEU:HB2	1:D:262:ILE:CD1	2.24	0.67
1:D:485:THR:OG1	1:D:486:LEU:HD22	1.93	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:346:CYS:HB3	1:E:429:LEU:HD11	1.77	0.67
1:E:360:LEU:HD21	1:E:405:LEU:CD1	2.21	0.67
1:E:468:TYR:CE2	1:E:501:ILE:HD13	2.29	0.67
1:F:256:PHE:HD2	1:F:262:ILE:HG13	1.60	0.67
1:F:323:ARG:O	1:F:326:ILE:HG22	1.93	0.67
1:F:541:ALA:CB	1:F:571:GLU:HG2	2.24	0.67
1:F:1148:UNK:HA	1:F:1161:UNK:O	1.93	0.67
1:G:28:ASP:O	1:G:45:ILE:HD11	1.94	0.67
1:G:290:MET:O	1:G:291:THR:HG22	1.95	0.67
1:G:325:SER:CB	3:G:1402:DTP:H1'	2.25	0.67
1:G:412:GLU:OE2	1:G:422:ILE:HG22	1.94	0.67
1:G:483:ARG:CZ	1:G:528:ILE:HA	2.23	0.67
1:G:541:ALA:CB	1:G:571:GLU:HG2	2.24	0.67
1:H:28:ASP:O	1:H:45:ILE:HD11	1.94	0.67
1:H:412:GLU:OE2	1:H:422:ILE:HG22	1.94	0.67
1:H:485:THR:OG1	1:H:486:LEU:HD22	1.93	0.67
1:I:81:LEU:HD23	1:I:81:LEU:O	1.93	0.67
1:J:110:ARG:CG	1:J:114:TYR:HE2	2.07	0.67
1:J:196:LEU:HD22	1:J:224:ILE:CG2	2.23	0.67
1:J:382:PRO:HA	1:J:419:THR:CG2	2.24	0.67
1:J:541:ALA:CB	1:J:571:GLU:HG2	2.24	0.67
1:K:3:PHE:CE2	1:L:141:LEU:CD1	2.77	0.67
1:K:253:TRP:HE3	1:K:275:LEU:CG	2.08	0.67
1:K:300:LEU:HD12	1:K:301:LEU:HA	1.76	0.67
1:K:325:SER:CB	3:K:1402:DTP:H1'	2.25	0.67
1:K:396:SER:HA	1:K:399:MET:CG	2.23	0.67
1:K:483:ARG:CZ	1:K:528:ILE:HA	2.23	0.67
1:L:27:PHE:HA	1:L:30:LYS:HE2	1.76	0.67
1:L:495:ARG:HB3	1:L:561:LEU:HD11	1.75	0.67
1:M:21:ASP:HA	1:M:24:VAL:HG12	1.74	0.67
1:M:28:ASP:CA	1:M:31:ASP:HB2	2.24	0.67
1:M:60:ARG:NE	1:M:128:LEU:HD11	2.06	0.67
1:M:186:CYS:HB2	1:M:249:ASN:CB	2.25	0.67
1:M:346:CYS:HB3	1:M:429:LEU:HD11	1.77	0.67
1:M:428:GLU:O	1:M:432:LYS:HG2	1.94	0.67
1:N:28:ASP:O	1:N:45:ILE:HD11	1.94	0.67
1:N:346:CYS:HB3	1:N:429:LEU:HD11	1.77	0.67
1:N:349:LEU:HB3	1:N:426:TYR:HE1	1.59	0.67
1:O:290:MET:O	1:O:291:THR:HG22	1.95	0.67
1:O:325:SER:CB	3:O:1402:DTP:H1'	2.25	0.67
1:O:382:PRO:HA	1:O:419:THR:CG2	2.24	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:196:LEU:HD13	1:P:224:ILE:CG2	2.23	0.67
1:P:256:PHE:HD2	1:P:262:ILE:HG13	1.60	0.67
1:P:458:LEU:HD22	1:P:491:PHE:CE1	2.29	0.67
1:A:28:ASP:CA	1:A:31:ASP:HB2	2.24	0.67
1:A:534:LYS:O	1:A:537:ARG:HG2	1.93	0.67
1:B:346:CYS:HB3	1:B:429:LEU:HD11	1.77	0.67
1:B:557:LYS:H	1:B:597:UNK:HA	1.59	0.67
1:C:242:LEU:HB2	1:C:262:ILE:CD1	2.24	0.67
1:C:253:TRP:HE3	1:C:275:LEU:CG	2.08	0.67
1:C:290:MET:O	1:C:291:THR:HG22	1.95	0.67
1:C:298:LYS:NZ	1:C:316:VAL:HG12	2.10	0.67
1:C:357:LEU:HD21	1:C:366:ARG:HD2	1.77	0.67
1:C:495:ARG:HB3	1:C:561:LEU:HD11	1.75	0.67
1:C:541:ALA:CB	1:C:571:GLU:HG2	2.24	0.67
1:D:476:LYS:HE3	1:D:529:CYS:SG	2.34	0.67
1:E:109:GLN:O	1:E:113:LEU:HD12	1.95	0.67
1:E:196:LEU:HD13	1:E:224:ILE:CG2	2.23	0.67
1:E:237:TYR:O	1:E:240:CYS:HB2	1.95	0.67
1:E:495:ARG:HB3	1:E:561:LEU:HD11	1.75	0.67
1:F:196:LEU:HD13	1:F:224:ILE:CG2	2.23	0.67
1:F:458:LEU:HD22	1:F:491:PHE:CE1	2.29	0.67
1:F:476:LYS:HE3	1:F:529:CYS:SG	2.34	0.67
1:F:486:LEU:HD13	1:F:488:ARG:HH12	1.59	0.67
1:F:542:ILE:HG22	1:F:573:ILE:CD1	2.23	0.67
1:G:120:PHE:CG	1:G:122:LYS:HD3	2.29	0.67
1:G:256:PHE:HD2	1:G:262:ILE:HG13	1.60	0.67
1:G:353:ILE:CG1	1:G:430:LYS:HD2	2.24	0.67
1:H:149:ILE:HG21	1:H:265:THR:HG22	1.77	0.67
1:H:242:LEU:HB2	1:H:262:ILE:CD1	2.24	0.67
1:H:346:CYS:HB3	1:H:429:LEU:HD11	1.77	0.67
1:I:186:CYS:HB2	1:I:249:ASN:CB	2.25	0.67
1:I:278:ALA:H	1:P:119:VAL:HG22	1.57	0.67
1:I:346:CYS:HB3	1:I:429:LEU:HD11	1.77	0.67
1:I:349:LEU:HB3	1:I:426:TYR:HE1	1.59	0.67
1:I:468:TYR:CE2	1:I:501:ILE:HD13	2.29	0.67
1:J:20:GLU:HG3	1:J:85:TYR:CZ	2.30	0.67
1:J:458:LEU:HD22	1:J:491:PHE:CE1	2.29	0.67
1:K:293:THR:O	1:K:297:VAL:HG23	1.95	0.67
1:K:298:LYS:NZ	1:K:316:VAL:HG12	2.10	0.67
1:K:486:LEU:HD13	1:K:488:ARG:HH12	1.59	0.67
1:K:495:ARG:HB3	1:K:561:LEU:HD11	1.75	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:286:ASP:HA	1:L:287:HIS:CB	2.18	0.67
1:L:346:CYS:HB3	1:L:429:LEU:HD11	1.77	0.67
1:M:486:LEU:HD13	1:M:488:ARG:HH12	1.59	0.67
1:N:149:ILE:HG21	1:N:265:THR:HG22	1.77	0.67
1:O:110:ARG:CG	1:O:114:TYR:HE2	2.07	0.67
1:O:256:PHE:HD2	1:O:262:ILE:HG13	1.60	0.67
1:P:496:PHE:CZ	1:P:558:TYR:CD1	2.82	0.67
1:A:21:ASP:HA	1:A:24:VAL:HG12	1.74	0.67
1:A:186:CYS:HB2	1:A:249:ASN:CB	2.25	0.67
1:A:541:ALA:CB	1:A:571:GLU:HG2	2.24	0.67
1:B:495:ARG:HB3	1:B:561:LEU:HD11	1.75	0.67
1:B:499:GLN:HE21	1:B:554:ILE:HG12	1.60	0.67
1:C:21:ASP:HA	1:C:24:VAL:HG12	1.74	0.67
1:C:293:THR:O	1:C:297:VAL:HG23	1.95	0.67
1:C:483:ARG:CZ	1:C:528:ILE:HA	2.23	0.67
1:D:382:PRO:HA	1:D:419:THR:CG2	2.24	0.67
1:D:412:GLU:OE2	1:D:422:ILE:HG22	1.94	0.67
1:D:541:ALA:CB	1:D:571:GLU:HG2	2.24	0.67
1:E:28:ASP:CA	1:E:31:ASP:HB2	2.24	0.67
1:E:278:ALA:H	1:F:119:VAL:HG22	1.57	0.67
1:E:349:LEU:HB3	1:E:426:TYR:HE1	1.59	0.67
1:E:541:ALA:HB1	1:E:571:GLU:CG	2.24	0.67
1:F:496:PHE:CZ	1:F:558:TYR:CD1	2.82	0.67
1:G:110:ARG:CG	1:G:114:TYR:HE2	2.07	0.67
1:G:382:PRO:HA	1:G:419:THR:CG2	2.24	0.67
1:G:476:LYS:HE3	1:G:529:CYS:SG	2.34	0.67
1:G:514:ILE:CD1	1:G:516:ASN:HD21	2.08	0.67
1:H:290:MET:O	1:H:291:THR:HG22	1.95	0.67
1:H:301:LEU:HD13	1:H:328:ALA:HB2	1.77	0.67
1:H:349:LEU:HB3	1:H:426:TYR:HE1	1.59	0.67
1:I:109:GLN:O	1:I:113:LEU:HD12	1.95	0.67
1:I:237:TYR:O	1:I:240:CYS:HB2	1.95	0.67
1:I:325:SER:CB	3:I:1402:DTP:H1'	2.25	0.67
1:I:495:ARG:HB3	1:I:561:LEU:HD11	1.75	0.67
1:I:541:ALA:HB1	1:I:571:GLU:CG	2.24	0.67
1:K:21:ASP:HA	1:K:24:VAL:HG12	1.74	0.67
1:K:242:LEU:HB2	1:K:262:ILE:CD1	2.24	0.67
1:K:290:MET:O	1:K:291:THR:HG22	1.95	0.67
1:K:349:LEU:HB3	1:K:426:TYR:HE1	1.59	0.67
1:K:357:LEU:HD21	1:K:366:ARG:HD2	1.77	0.67
1:L:237:TYR:O	1:L:240:CYS:HB2	1.95	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:557:LYS:H	1:L:597:UNK:HA	1.59	0.67
1:M:35:MET:HA	1:M:39:ILE:HG22	1.76	0.67
1:M:286:ASP:HA	1:M:287:HIS:CB	2.18	0.67
1:M:405:LEU:CD1	1:M:411:VAL:HG11	2.24	0.67
1:N:242:LEU:HB2	1:N:262:ILE:CD1	2.24	0.67
1:N:301:LEU:HD13	1:N:328:ALA:HB2	1.77	0.67
1:O:28:ASP:O	1:O:45:ILE:HD11	1.94	0.67
1:O:286:ASP:HA	1:O:287:HIS:CB	2.18	0.67
1:O:348:LYS:O	1:O:352:ILE:HG13	1.93	0.67
1:O:353:ILE:CG1	1:O:430:LYS:HD2	2.24	0.67
1:O:412:GLU:OE2	1:O:422:ILE:HG22	1.94	0.67
1:O:514:ILE:CD1	1:O:516:ASN:HD21	2.08	0.67
1:P:40:LEU:HD22	1:P:48:ILE:HD11	1.69	0.67
1:P:125:VAL:HG12	1:P:300:LEU:HD22	1.75	0.67
1:P:323:ARG:O	1:P:326:ILE:HG22	1.93	0.67
1:P:542:ILE:HG22	1:P:573:ILE:CD1	2.23	0.67
1:P:1148:UNK:HA	1:P:1161:UNK:O	1.93	0.67
1:A:35:MET:HA	1:A:39:ILE:HG22	1.76	0.67
1:A:141:LEU:CD1	1:B:3:PHE:CE2	2.77	0.67
1:A:514:ILE:CD1	1:A:516:ASN:HD21	2.08	0.67
1:B:109:GLN:O	1:B:113:LEU:HD12	1.95	0.67
1:B:237:TYR:O	1:B:240:CYS:HB2	1.95	0.67
1:B:298:LYS:NZ	1:B:316:VAL:HG12	2.10	0.67
1:B:528:ILE:HD13	1:B:529:CYS:N	2.10	0.67
1:B:541:ALA:HB1	1:B:571:GLU:CG	2.25	0.67
1:C:349:LEU:HB3	1:C:426:TYR:HE1	1.59	0.67
1:C:486:LEU:HD13	1:C:488:ARG:HH12	1.59	0.67
1:C:496:PHE:CZ	1:C:558:TYR:CD1	2.82	0.67
1:D:325:SER:CB	3:D:1402:DTP:H1'	2.25	0.67
1:D:458:LEU:HD22	1:D:491:PHE:CE1	2.29	0.67
1:E:81:LEU:HD23	1:E:81:LEU:O	1.93	0.67
1:E:186:CYS:HB2	1:E:249:ASN:CB	2.25	0.67
1:E:192:VAL:CG1	1:E:251:LYS:HD3	2.25	0.67
1:E:325:SER:CB	3:E:1402:DTP:H1'	2.25	0.67
1:E:514:ILE:CD1	1:E:516:ASN:HD21	2.08	0.67
1:F:125:VAL:HG12	1:F:300:LEU:HD22	1.75	0.67
1:G:8:HIS:HB2	1:G:95:GLU:HG3	1.74	0.67
1:G:28:ASP:CA	1:G:31:ASP:HB2	2.24	0.67
1:G:81:LEU:O	1:G:81:LEU:HD23	1.93	0.67
1:G:308:ARG:HB2	1:G:311:ASP:OD2	1.94	0.67
1:H:416:LYS:HG3	1:H:417:GLU:N	2.10	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:28:ASP:CA	1:I:31:ASP:HB2	2.24	0.67
1:I:192:VAL:CG1	1:I:251:LYS:HD3	2.25	0.67
1:I:290:MET:O	1:I:291:THR:HG22	1.95	0.67
1:I:360:LEU:HD21	1:I:405:LEU:CD1	2.21	0.67
1:I:514:ILE:CD1	1:I:516:ASN:HD21	2.08	0.67
1:J:186:CYS:HB2	1:J:249:ASN:CB	2.25	0.67
1:J:298:LYS:NZ	1:J:316:VAL:HG12	2.10	0.67
1:J:325:SER:CB	3:J:1402:DTP:H1'	2.25	0.67
1:J:412:GLU:OE2	1:J:422:ILE:HG22	1.94	0.67
1:K:109:GLN:O	1:K:113:LEU:HD12	1.95	0.67
1:K:514:ILE:CD1	1:K:516:ASN:HD21	2.08	0.67
1:L:109:GLN:O	1:L:113:LEU:HD12	1.95	0.67
1:L:298:LYS:NZ	1:L:316:VAL:HG12	2.10	0.67
1:L:499:GLN:HE21	1:L:554:ILE:HG12	1.60	0.67
1:L:541:ALA:HB1	1:L:571:GLU:CG	2.25	0.67
1:L:541:ALA:CB	1:L:571:GLU:HG2	2.24	0.67
1:M:109:GLN:O	1:M:113:LEU:HD12	1.95	0.67
1:M:242:LEU:HB2	1:M:262:ILE:CD1	2.24	0.67
1:M:514:ILE:CD1	1:M:516:ASN:HD21	2.08	0.67
1:M:534:LYS:O	1:M:537:ARG:HG2	1.93	0.67
1:N:20:GLU:HG3	1:N:85:TYR:CZ	2.30	0.67
1:N:325:SER:CB	3:N:1402:DTP:H1'	2.25	0.67
1:O:28:ASP:CA	1:O:31:ASP:HB2	2.24	0.67
1:O:476:LYS:HE3	1:O:529:CYS:SG	2.34	0.67
1:P:476:LYS:HE3	1:P:529:CYS:SG	2.34	0.67
1:P:486:LEU:HD13	1:P:488:ARG:HH12	1.59	0.67
1:A:109:GLN:O	1:A:113:LEU:HD12	1.95	0.67
1:A:280:THR:HG23	1:B:114:TYR:CG	2.16	0.67
1:A:405:LEU:CD1	1:A:411:VAL:HG11	2.24	0.67
1:A:528:ILE:HD13	1:A:529:CYS:N	2.10	0.67
1:B:120:PHE:CG	1:B:122:LYS:HD3	2.29	0.67
1:B:132:LEU:CA	1:B:135:ARG:HD3	2.23	0.67
1:B:286:ASP:HA	1:B:287:HIS:CB	2.18	0.67
1:B:349:LEU:HB3	1:B:426:TYR:HE1	1.59	0.67
1:B:541:ALA:CB	1:B:571:GLU:HG2	2.24	0.67
1:C:109:GLN:O	1:C:113:LEU:HD12	1.95	0.67
1:C:301:LEU:HD13	1:C:328:ALA:HB2	1.77	0.67
1:C:353:ILE:HG12	1:C:430:LYS:HD2	1.75	0.67
1:C:382:PRO:HA	1:C:419:THR:CG2	2.24	0.67
1:C:514:ILE:CD1	1:C:516:ASN:HD21	2.08	0.67
1:C:528:ILE:HD13	1:C:529:CYS:N	2.10	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:298:LYS:NZ	1:D:316:VAL:HG12	2.10	0.67
1:D:308:ARG:HB2	1:D:311:ASP:OD2	1.94	0.67
1:E:256:PHE:HE2	1:E:262:ILE:HB	1.58	0.67
1:E:290:MET:O	1:E:291:THR:HG22	1.95	0.67
1:E:557:LYS:H	1:E:597:UNK:HA	1.59	0.67
1:E:601:UNK:CA	1:E:601:UNK:O	2.37	0.67
1:F:40:LEU:HD22	1:F:48:ILE:HD11	1.69	0.67
1:F:89:MET:HG2	1:F:93:LYS:HE2	1.77	0.67
1:F:109:GLN:O	1:F:113:LEU:HD12	1.95	0.67
1:F:357:LEU:HD21	1:F:366:ARG:HD2	1.77	0.67
1:G:7:GLU:O	1:G:11:GLN:HG3	1.95	0.67
1:G:541:ALA:HB1	1:G:571:GLU:CG	2.24	0.67
1:H:20:GLU:HG3	1:H:85:TYR:CZ	2.30	0.67
1:H:186:CYS:HB2	1:H:249:ASN:CB	2.25	0.67
1:H:325:SER:CB	3:H:1402:DTP:H1'	2.25	0.67
1:H:486:LEU:HD13	1:H:488:ARG:HH12	1.59	0.67
1:I:28:ASP:O	1:I:45:ILE:HD11	1.94	0.67
1:I:203:ILE:HD13	1:I:203:ILE:O	1.95	0.67
1:J:308:ARG:HB2	1:J:311:ASP:OD2	1.94	0.67
1:K:65:LEU:HD13	1:K:72:MET:HE2	1.77	0.67
1:K:301:LEU:HD13	1:K:328:ALA:HB2	1.77	0.67
1:K:353:ILE:HG12	1:K:430:LYS:HD2	1.75	0.67
1:K:382:PRO:HA	1:K:419:THR:CG2	2.24	0.67
1:L:3:PHE:CE2	1:M:141:LEU:CD1	2.77	0.67
1:L:528:ILE:HD13	1:L:529:CYS:N	2.10	0.67
1:M:203:ILE:HD13	1:M:203:ILE:O	1.95	0.67
1:M:541:ALA:CB	1:M:571:GLU:HG2	2.24	0.67
1:N:237:TYR:O	1:N:240:CYS:HB2	1.95	0.67
1:N:290:MET:O	1:N:291:THR:HG22	1.95	0.67
1:N:416:LYS:HG3	1:N:417:GLU:N	2.10	0.67
1:O:8:HIS:HB2	1:O:95:GLU:HG3	1.74	0.67
1:O:81:LEU:O	1:O:81:LEU:HD23	1.93	0.67
1:O:120:PHE:CG	1:O:122:LYS:HD3	2.29	0.67
1:O:308:ARG:HB2	1:O:311:ASP:OD2	1.94	0.67
1:P:89:MET:HG2	1:P:93:LYS:HE2	1.77	0.67
1:A:203:ILE:HD13	1:A:203:ILE:O	1.95	0.67
1:A:286:ASP:HA	1:A:287:HIS:CB	2.18	0.67
1:B:89:MET:HG2	1:B:93:LYS:HE2	1.77	0.67
1:B:192:VAL:CG1	1:B:251:LYS:HD3	2.25	0.67
1:B:486:LEU:HD13	1:B:488:ARG:HH12	1.59	0.67
1:C:28:ASP:CA	1:C:31:ASP:HB2	2.24	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:557:LYS:H	1:C:597:UNK:HA	1.59	0.67
1:D:7:GLU:O	1:D:11:GLN:HG3	1.95	0.67
1:D:186:CYS:HB2	1:D:249:ASN:CB	2.25	0.67
1:D:203:ILE:HD13	1:D:203:ILE:O	1.95	0.67
1:E:15:ILE:HD11	1:E:88:LEU:CD1	2.25	0.67
1:E:203:ILE:HD13	1:E:203:ILE:O	1.95	0.67
1:F:15:ILE:HD11	1:F:88:LEU:CD1	2.25	0.67
1:F:28:ASP:O	1:F:45:ILE:HD11	1.94	0.67
1:F:381:ILE:HB	1:F:466:TYR:HD2	1.60	0.67
1:F:382:PRO:HA	1:F:419:THR:CG2	2.24	0.67
1:G:27:PHE:HA	1:G:30:LYS:HE2	1.76	0.67
1:G:286:ASP:HA	1:G:287:HIS:CB	2.18	0.67
1:G:348:LYS:O	1:G:352:ILE:HG13	1.93	0.67
1:H:237:TYR:O	1:H:240:CYS:HB2	1.95	0.67
1:I:15:ILE:HD11	1:I:88:LEU:CD1	2.25	0.67
1:I:120:PHE:CG	1:I:122:LYS:HD3	2.29	0.67
1:I:353:ILE:HG12	1:I:430:LYS:HD2	1.75	0.67
1:I:557:LYS:H	1:I:597:UNK:HA	1.59	0.67
1:J:3:PHE:CE2	1:K:141:LEU:HD11	2.31	0.67
1:J:7:GLU:O	1:J:11:GLN:HG3	1.95	0.67
1:J:381:ILE:HB	1:J:466:TYR:HD2	1.60	0.67
1:K:186:CYS:HB2	1:K:249:ASN:CB	2.25	0.67
1:K:203:ILE:HD13	1:K:203:ILE:O	1.95	0.67
1:K:496:PHE:CZ	1:K:558:TYR:CD1	2.82	0.67
1:K:528:ILE:HD13	1:K:529:CYS:N	2.10	0.67
1:L:89:MET:HG2	1:L:93:LYS:HE2	1.77	0.67
1:L:192:VAL:CG1	1:L:251:LYS:HD3	2.25	0.67
1:L:300:LEU:HD12	1:L:301:LEU:HA	1.76	0.67
1:M:528:ILE:HD13	1:M:529:CYS:N	2.10	0.67
1:N:186:CYS:HB2	1:N:249:ASN:CB	2.25	0.67
1:N:486:LEU:HD13	1:N:488:ARG:HH12	1.59	0.67
1:O:7:GLU:O	1:O:11:GLN:HG3	1.95	0.67
1:O:27:PHE:HA	1:O:30:LYS:HE2	1.76	0.67
1:P:15:ILE:HD11	1:P:88:LEU:CD1	2.25	0.67
1:P:308:ARG:HB2	1:P:311:ASP:OD2	1.94	0.67
1:P:381:ILE:HB	1:P:466:TYR:HD2	1.60	0.67
1:A:242:LEU:HB2	1:A:262:ILE:CD1	2.24	0.66
1:A:298:LYS:NZ	1:A:316:VAL:HG12	2.10	0.66
1:B:300:LEU:HD12	1:B:301:LEU:HA	1.76	0.66
1:B:325:SER:CB	3:B:1402:DTP:H1'	2.25	0.66
1:C:60:ARG:NE	1:C:128:LEU:HD11	2.06	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:141:LEU:HD11	1:D:3:PHE:CE2	2.31	0.66
1:C:203:ILE:HD13	1:C:203:ILE:O	1.95	0.66
1:C:346:CYS:HB3	1:C:429:LEU:HD11	1.77	0.66
1:D:381:ILE:HB	1:D:466:TYR:HD2	1.60	0.66
1:E:28:ASP:O	1:E:45:ILE:HD11	1.94	0.66
1:E:280:THR:HG23	1:F:114:TYR:CG	2.16	0.66
1:E:308:ARG:HB2	1:E:311:ASP:OD2	1.94	0.66
1:E:353:ILE:HG12	1:E:430:LYS:HD2	1.75	0.66
1:F:128:LEU:O	1:F:132:LEU:HD23	1.96	0.66
1:F:242:LEU:HB2	1:F:262:ILE:CD1	2.24	0.66
1:G:128:LEU:O	1:G:132:LEU:HD23	1.96	0.66
1:G:528:ILE:HD13	1:G:529:CYS:N	2.10	0.66
1:H:496:PHE:CZ	1:H:558:TYR:CD1	2.82	0.66
1:I:27:PHE:HA	1:I:30:LYS:HE2	1.76	0.66
1:I:256:PHE:HE2	1:I:262:ILE:HB	1.58	0.66
1:I:298:LYS:NZ	1:I:316:VAL:HG12	2.10	0.66
1:I:308:ARG:HB2	1:I:311:ASP:OD2	1.94	0.66
1:I:541:ALA:CB	1:I:571:GLU:HG2	2.24	0.66
1:J:203:ILE:O	1:J:203:ILE:HD13	1.95	0.66
1:K:346:CYS:HB3	1:K:429:LEU:HD11	1.77	0.66
1:L:32:VAL:HA	1:L:45:ILE:CD1	2.25	0.66
1:L:120:PHE:CG	1:L:122:LYS:HD3	2.29	0.66
1:L:132:LEU:CA	1:L:135:ARG:HD3	2.23	0.66
1:L:349:LEU:HB3	1:L:426:TYR:HE1	1.59	0.66
1:L:486:LEU:HD13	1:L:488:ARG:HH12	1.59	0.66
1:M:125:VAL:HG12	1:M:300:LEU:HD22	1.75	0.66
1:M:325:SER:CB	3:M:1402:DTP:H1'	2.25	0.66
1:M:357:LEU:HD21	1:M:366:ARG:HD2	1.77	0.66
1:N:3:PHE:CE2	1:O:141:LEU:CD1	2.77	0.66
1:N:256:PHE:HD2	1:N:262:ILE:HG13	1.60	0.66
1:O:528:ILE:HD13	1:O:529:CYS:N	2.10	0.66
1:O:541:ALA:HB1	1:O:571:GLU:CG	2.25	0.66
1:P:109:GLN:O	1:P:113:LEU:HD12	1.95	0.66
1:P:128:LEU:O	1:P:132:LEU:HD23	1.96	0.66
1:P:186:CYS:HB2	1:P:249:ASN:CB	2.25	0.66
1:P:203:ILE:HD13	1:P:203:ILE:O	1.95	0.66
1:P:357:LEU:HD21	1:P:366:ARG:HD2	1.77	0.66
1:A:125:VAL:HG12	1:A:300:LEU:HD22	1.75	0.66
1:A:357:LEU:HD21	1:A:366:ARG:HD2	1.77	0.66
1:A:488:ARG:HA	1:A:491:PHE:N	2.09	0.66
1:B:32:VAL:HA	1:B:45:ILE:CD1	2.25	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:514:ILE:CD1	1:B:516:ASN:HD21	2.08	0.66
1:C:192:VAL:CG1	1:C:251:LYS:HD3	2.25	0.66
1:C:381:ILE:HB	1:C:466:TYR:CD2	2.31	0.66
1:D:219:LEU:CD1	1:E:197:GLN:HE22	1.91	0.66
1:D:237:TYR:O	1:D:240:CYS:HB2	1.95	0.66
1:D:528:ILE:HD13	1:D:529:CYS:N	2.10	0.66
1:D:557:LYS:H	1:D:597:UNK:HA	1.59	0.66
1:E:120:PHE:CG	1:E:122:LYS:HD3	2.29	0.66
1:E:293:THR:O	1:E:297:VAL:HG23	1.95	0.66
1:E:298:LYS:NZ	1:E:316:VAL:HG12	2.10	0.66
1:F:186:CYS:HB2	1:F:249:ASN:CB	2.25	0.66
1:F:203:ILE:O	1:F:203:ILE:HD13	1.95	0.66
1:F:308:ARG:HB2	1:F:311:ASP:OD2	1.94	0.66
1:F:495:ARG:HB3	1:F:561:LEU:HD11	1.75	0.66
1:G:301:LEU:HB2	1:G:324:LEU:HD21	1.75	0.66
1:H:514:ILE:CD1	1:H:516:ASN:HD21	2.08	0.66
1:H:541:ALA:CB	1:H:571:GLU:HG2	2.24	0.66
1:I:197:GLN:HE22	1:J:219:LEU:CD1	1.91	0.66
1:I:601:UNK:CA	1:I:601:UNK:O	2.37	0.66
1:J:3:PHE:CE2	1:K:141:LEU:CD2	2.79	0.66
1:J:192:VAL:CG1	1:J:251:LYS:HD3	2.25	0.66
1:J:237:TYR:O	1:J:240:CYS:HB2	1.95	0.66
1:J:346:CYS:HB3	1:J:429:LEU:HD11	1.77	0.66
1:K:28:ASP:CA	1:K:31:ASP:HB2	2.24	0.66
1:K:60:ARG:NE	1:K:128:LEU:HD11	2.06	0.66
1:K:557:LYS:H	1:K:597:UNK:HA	1.59	0.66
1:L:186:CYS:HB2	1:L:249:ASN:CB	2.25	0.66
1:M:3:PHE:HZ	1:N:141:LEU:HD11	1.60	0.66
1:M:298:LYS:NZ	1:M:316:VAL:HG12	2.10	0.66
1:M:499:GLN:HE21	1:M:554:ILE:HG12	1.60	0.66
1:N:1:MET:HE1	1:N:65:LEU:HD12	1.77	0.66
1:N:286:ASP:HA	1:N:287:HIS:CB	2.18	0.66
1:N:541:ALA:CB	1:N:571:GLU:HG2	2.24	0.66
1:O:128:LEU:O	1:O:132:LEU:HD23	1.96	0.66
1:P:28:ASP:O	1:P:45:ILE:HD11	1.94	0.66
1:P:242:LEU:HB2	1:P:262:ILE:CD1	2.24	0.66
1:A:3:PHE:HZ	1:H:141:LEU:HD11	1.60	0.66
1:A:256:PHE:HE2	1:A:262:ILE:HB	1.58	0.66
1:A:325:SER:CB	3:A:1402:DTP:H1'	2.25	0.66
1:B:20:GLU:HG3	1:B:85:TYR:CZ	2.30	0.66
1:B:86:LYS:O	1:B:86:LYS:HD2	1.96	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:141:LEU:CD2	1:C:3:PHE:CE2	2.79	0.66
1:B:203:ILE:HD13	1:B:203:ILE:O	1.95	0.66
1:C:35:MET:N	1:C:36:PRO:CD	2.59	0.66
1:C:141:LEU:HD11	1:D:3:PHE:HZ	1.61	0.66
1:C:141:LEU:CD2	1:D:3:PHE:CE2	2.79	0.66
1:C:186:CYS:HB2	1:C:249:ASN:CB	2.25	0.66
1:D:141:LEU:HD21	1:E:3:PHE:CE2	2.31	0.66
1:D:192:VAL:CG1	1:D:251:LYS:HD3	2.25	0.66
1:D:300:LEU:HD12	1:D:301:LEU:CA	2.26	0.66
1:D:346:CYS:HB3	1:D:429:LEU:HD11	1.77	0.66
1:E:27:PHE:HA	1:E:30:LYS:HE2	1.76	0.66
1:E:120:PHE:CD1	1:E:122:LYS:HA	2.31	0.66
1:E:541:ALA:CB	1:E:571:GLU:HG2	2.24	0.66
1:F:298:LYS:HZ2	1:F:316:VAL:HA	1.59	0.66
1:F:449:ILE:HD12	1:F:450:PRO:HD3	1.77	0.66
1:G:141:LEU:CD1	1:H:3:PHE:CE2	2.77	0.66
1:G:381:ILE:HB	1:G:466:TYR:CD2	2.31	0.66
1:H:1:MET:HE1	1:H:65:LEU:HD12	1.77	0.66
1:H:256:PHE:HD2	1:H:262:ILE:HG13	1.60	0.66
1:H:541:ALA:HB1	1:H:571:GLU:CG	2.25	0.66
1:I:120:PHE:CD1	1:I:122:LYS:HA	2.31	0.66
1:J:3:PHE:HZ	1:K:141:LEU:HD11	1.61	0.66
1:J:528:ILE:HD13	1:J:529:CYS:N	2.10	0.66
1:J:557:LYS:H	1:J:597:UNK:HA	1.59	0.66
1:K:7:GLU:O	1:K:11:GLN:HG3	1.95	0.66
1:K:35:MET:N	1:K:36:PRO:CD	2.59	0.66
1:K:381:ILE:HB	1:K:466:TYR:CD2	2.31	0.66
1:L:86:LYS:O	1:L:86:LYS:HD2	1.96	0.66
1:L:325:SER:CB	3:L:1402:DTP:H1'	2.25	0.66
1:L:514:ILE:CD1	1:L:516:ASN:HD21	2.08	0.66
1:M:488:ARG:HA	1:M:491:PHE:N	2.09	0.66
1:N:7:GLU:O	1:N:11:GLN:HG3	1.95	0.66
1:N:496:PHE:CZ	1:N:558:TYR:CD1	2.82	0.66
1:O:237:TYR:O	1:O:240:CYS:HB2	1.95	0.66
1:O:301:LEU:HB2	1:O:324:LEU:HD21	1.75	0.66
1:O:381:ILE:HB	1:O:466:TYR:CD2	2.31	0.66
1:P:298:LYS:NZ	1:P:316:VAL:HG12	2.10	0.66
1:P:449:ILE:HD12	1:P:450:PRO:HD3	1.77	0.66
1:P:495:ARG:HB3	1:P:561:LEU:HD11	1.75	0.66
1:A:27:PHE:HA	1:A:30:LYS:HE2	1.76	0.66
1:A:141:LEU:HD11	1:B:3:PHE:CE2	2.31	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:141:LEU:HD21	1:B:3:PHE:CE2	2.31	0.66
1:A:301:LEU:HD13	1:A:328:ALA:HB2	1.77	0.66
1:A:499:GLN:HE21	1:A:554:ILE:HG12	1.60	0.66
1:B:35:MET:N	1:B:36:PRO:CD	2.59	0.66
1:B:186:CYS:HB2	1:B:249:ASN:CB	2.25	0.66
1:D:86:LYS:O	1:D:86:LYS:HD2	1.96	0.66
1:E:20:GLU:HG3	1:E:85:TYR:CZ	2.30	0.66
1:E:256:PHE:HD2	1:E:262:ILE:HG13	1.60	0.66
1:E:528:ILE:HD13	1:E:529:CYS:H	1.61	0.66
1:F:237:TYR:O	1:F:240:CYS:HB2	1.95	0.66
1:G:449:ILE:HD12	1:G:450:PRO:HD3	1.77	0.66
1:H:7:GLU:O	1:H:11:GLN:HG3	1.95	0.66
1:H:35:MET:N	1:H:36:PRO:CD	2.59	0.66
1:H:286:ASP:HA	1:H:287:HIS:CB	2.18	0.66
1:H:528:ILE:HD13	1:H:529:CYS:N	2.10	0.66
1:I:3:PHE:CE2	1:J:141:LEU:HD21	2.31	0.66
1:I:293:THR:O	1:I:297:VAL:HG23	1.95	0.66
1:I:528:ILE:HD13	1:I:529:CYS:N	2.10	0.66
1:J:86:LYS:O	1:J:86:LYS:HD2	1.96	0.66
1:J:300:LEU:HD12	1:J:301:LEU:CA	2.26	0.66
1:K:3:PHE:CE2	1:L:141:LEU:CD2	2.79	0.66
1:K:192:VAL:CG1	1:K:251:LYS:HD3	2.25	0.66
1:L:3:PHE:CE2	1:M:141:LEU:HD11	2.31	0.66
1:L:3:PHE:CE2	1:M:141:LEU:HD21	2.31	0.66
1:L:35:MET:N	1:L:36:PRO:CD	2.59	0.66
1:L:114:TYR:CG	1:M:280:THR:HG23	2.16	0.66
1:L:297:VAL:HG13	1:L:300:LEU:HD23	1.78	0.66
1:N:35:MET:N	1:N:36:PRO:CD	2.59	0.66
1:N:514:ILE:CD1	1:N:516:ASN:HD21	2.08	0.66
1:N:541:ALA:HB1	1:N:571:GLU:CG	2.25	0.66
1:O:3:PHE:CE2	1:P:141:LEU:HD21	2.31	0.66
1:B:110:ARG:CG	1:B:114:TYR:HE2	2.07	0.66
1:B:297:VAL:HG13	1:B:300:LEU:HD23	1.78	0.66
1:C:7:GLU:O	1:C:11:GLN:HG3	1.95	0.66
1:C:28:ASP:O	1:C:45:ILE:HD11	1.94	0.66
1:C:428:GLU:O	1:C:431:VAL:HG22	1.96	0.66
1:C:443:ILE:HG13	1:C:478:ILE:CG2	2.26	0.66
1:E:449:ILE:HD12	1:E:450:PRO:HD3	1.77	0.66
1:E:496:PHE:CZ	1:E:558:TYR:CD1	2.82	0.66
1:E:528:ILE:HD13	1:E:529:CYS:N	2.10	0.66
1:F:141:LEU:HD21	1:G:3:PHE:CE2	2.31	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:298:LYS:NZ	1:F:316:VAL:HG12	2.10	0.66
1:G:35:MET:N	1:G:36:PRO:CD	2.59	0.66
1:G:141:LEU:HD21	1:H:3:PHE:CE2	2.31	0.66
1:G:237:TYR:O	1:G:240:CYS:HB2	1.95	0.66
1:H:27:PHE:HA	1:H:30:LYS:HE2	1.76	0.66
1:H:28:ASP:CA	1:H:31:ASP:HB2	2.24	0.66
1:I:20:GLU:HG3	1:I:85:TYR:CZ	2.30	0.66
1:I:256:PHE:HD2	1:I:262:ILE:HG13	1.60	0.66
1:I:280:THR:HG23	1:P:114:TYR:CG	2.16	0.66
1:I:449:ILE:HD12	1:I:450:PRO:HD3	1.77	0.66
1:J:109:GLN:O	1:J:113:LEU:HD12	1.95	0.66
1:J:353:ILE:CG1	1:J:430:LYS:HD2	2.24	0.66
1:K:149:ILE:HG21	1:K:265:THR:HG22	1.77	0.66
1:K:428:GLU:O	1:K:431:VAL:HG22	1.96	0.66
1:L:3:PHE:CE2	1:M:141:LEU:CD2	2.79	0.66
1:L:20:GLU:HG3	1:L:85:TYR:CZ	2.30	0.66
1:L:203:ILE:HD13	1:L:203:ILE:O	1.95	0.66
1:L:301:LEU:HD13	1:L:328:ALA:HB2	1.77	0.66
1:M:256:PHE:HE2	1:M:262:ILE:HB	1.58	0.66
1:N:3:PHE:CE2	1:O:141:LEU:HD21	2.31	0.66
1:N:27:PHE:HA	1:N:30:LYS:HE2	1.76	0.66
1:N:125:VAL:HG12	1:N:300:LEU:HD22	1.75	0.66
1:N:357:LEU:HD21	1:N:366:ARG:HD2	1.77	0.66
1:N:528:ILE:HD13	1:N:529:CYS:N	2.10	0.66
1:O:35:MET:N	1:O:36:PRO:CD	2.59	0.66
1:O:449:ILE:HD12	1:O:450:PRO:HD3	1.77	0.66
1:P:290:MET:O	1:P:291:THR:HG22	1.95	0.66
1:P:514:ILE:CD1	1:P:516:ASN:HD21	2.08	0.66
1:A:35:MET:N	1:A:36:PRO:CD	2.59	0.66
1:A:141:LEU:CD2	1:B:3:PHE:CE2	2.79	0.66
1:A:297:VAL:HG13	1:A:300:LEU:HD23	1.78	0.66
1:A:541:ALA:HB1	1:A:571:GLU:CG	2.24	0.66
1:B:301:LEU:HD13	1:B:328:ALA:HB2	1.77	0.66
1:B:381:ILE:HB	1:B:466:TYR:CD2	2.31	0.66
1:C:19:PHE:HE2	1:K:87:PHE:CG	2.14	0.66
1:C:32:VAL:HA	1:C:45:ILE:CD1	2.25	0.66
1:C:141:LEU:HD21	1:D:3:PHE:CE2	2.31	0.66
1:C:528:ILE:HD13	1:C:529:CYS:H	1.61	0.66
1:D:141:LEU:HD11	1:E:3:PHE:CE2	2.31	0.66
1:D:301:LEU:HD13	1:D:328:ALA:HB2	1.77	0.66
1:D:353:ILE:HG12	1:D:430:LYS:HD2	1.75	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:528:ILE:HD13	1:D:529:CYS:H	1.61	0.66
1:E:300:LEU:HD12	1:E:301:LEU:CA	2.26	0.66
1:E:336:ALA:HA	1:E:340:ASN:HD22	1.60	0.66
1:F:110:ARG:CG	1:F:114:TYR:HE2	2.07	0.66
1:F:325:SER:CB	3:F:1402:DTP:H1'	2.25	0.66
1:G:20:GLU:HG3	1:G:85:TYR:CZ	2.30	0.66
1:G:349:LEU:HB3	1:G:426:TYR:HE1	1.59	0.66
1:H:214:SER:CB	1:H:219:LEU:HB2	2.26	0.66
1:H:357:LEU:HD21	1:H:366:ARG:HD2	1.77	0.66
1:I:128:LEU:O	1:I:132:LEU:HD23	1.96	0.66
1:I:141:LEU:HD11	1:P:3:PHE:CE2	2.31	0.66
1:I:301:LEU:HB2	1:I:324:LEU:HD21	1.75	0.66
1:I:496:PHE:CZ	1:I:558:TYR:CD1	2.82	0.66
1:I:528:ILE:HD13	1:I:529:CYS:H	1.61	0.66
1:J:3:PHE:CE2	1:K:141:LEU:HD21	2.31	0.66
1:J:114:TYR:CG	1:K:280:THR:HG23	2.16	0.66
1:J:353:ILE:HG12	1:J:430:LYS:HD2	1.75	0.66
1:J:528:ILE:HD13	1:J:529:CYS:H	1.61	0.66
1:K:32:VAL:HA	1:K:45:ILE:CD1	2.25	0.66
1:K:297:VAL:HG13	1:K:300:LEU:HD23	1.78	0.66
1:K:443:ILE:HG13	1:K:478:ILE:CG2	2.26	0.66
1:L:381:ILE:HB	1:L:466:TYR:CD2	2.31	0.66
1:M:3:PHE:CE2	1:N:141:LEU:HD21	2.31	0.66
1:M:27:PHE:HA	1:M:30:LYS:HE2	1.76	0.66
1:M:35:MET:N	1:M:36:PRO:CD	2.59	0.66
1:M:297:VAL:HG13	1:M:300:LEU:HD23	1.78	0.66
1:M:301:LEU:HD13	1:M:328:ALA:HB2	1.77	0.66
1:N:109:GLN:O	1:N:113:LEU:HD12	1.95	0.66
1:N:214:SER:CB	1:N:219:LEU:HB2	2.26	0.66
1:N:381:ILE:HB	1:N:466:TYR:CD2	2.31	0.66
1:N:522:LYS:O	1:N:526:PRO:HD2	1.96	0.66
1:O:15:ILE:HD11	1:O:88:LEU:CD1	2.25	0.66
1:O:203:ILE:HD13	1:O:203:ILE:O	1.95	0.66
1:O:298:LYS:NZ	1:O:316:VAL:HG12	2.10	0.66
1:O:301:LEU:HD13	1:O:328:ALA:HB2	1.77	0.66
1:O:357:LEU:HD21	1:O:366:ARG:HD2	1.77	0.66
1:P:237:TYR:O	1:P:240:CYS:HB2	1.95	0.66
1:P:298:LYS:HZ2	1:P:316:VAL:HA	1.59	0.66
1:P:325:SER:CB	3:P:1402:DTP:H1'	2.25	0.66
1:A:3:PHE:CE2	1:H:141:LEU:HD21	2.31	0.66
1:A:45:ILE:HG12	1:A:49:ILE:HD11	1.78	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:256:PHE:HD2	1:A:262:ILE:HG13	1.60	0.66
1:A:428:GLU:O	1:A:431:VAL:HG22	1.96	0.66
1:A:528:ILE:HD13	1:A:529:CYS:H	1.61	0.66
1:B:290:MET:O	1:B:291:THR:HG22	1.95	0.66
1:C:297:VAL:HG13	1:C:300:LEU:HD23	1.78	0.66
1:D:15:ILE:HD11	1:D:88:LEU:CD1	2.25	0.66
1:D:35:MET:N	1:D:36:PRO:CD	2.59	0.66
1:D:109:GLN:O	1:D:113:LEU:HD12	1.95	0.66
1:E:32:VAL:HA	1:E:45:ILE:CD1	2.25	0.66
1:E:141:LEU:HD11	1:F:3:PHE:CE2	2.31	0.66
1:E:301:LEU:HB2	1:E:324:LEU:HD21	1.75	0.66
1:E:443:ILE:HG13	1:E:478:ILE:CG2	2.26	0.66
1:F:20:GLU:HG3	1:F:85:TYR:CZ	2.30	0.66
1:F:27:PHE:HA	1:F:30:LYS:HE2	1.76	0.66
1:F:290:MET:O	1:F:291:THR:HG22	1.95	0.66
1:F:514:ILE:CD1	1:F:516:ASN:HD21	2.08	0.66
1:F:541:ALA:HB1	1:F:571:GLU:CG	2.25	0.66
1:G:15:ILE:HD11	1:G:88:LEU:CD1	2.25	0.66
1:G:203:ILE:HD13	1:G:203:ILE:O	1.95	0.66
1:H:125:VAL:HG12	1:H:300:LEU:HD22	1.75	0.66
1:H:193:LEU:CG	1:H:221:ILE:HG22	2.26	0.66
1:H:203:ILE:HD13	1:H:203:ILE:O	1.95	0.66
1:H:298:LYS:NZ	1:H:316:VAL:HG12	2.10	0.66
1:H:381:ILE:HB	1:H:466:TYR:CD2	2.31	0.66
1:H:522:LYS:O	1:H:526:PRO:HD2	1.96	0.66
1:H:999:UNK:CA	1:H:1020:UNK:HA	2.26	0.66
1:I:32:VAL:HA	1:I:45:ILE:CD1	2.25	0.66
1:I:300:LEU:HD12	1:I:301:LEU:CA	2.26	0.66
1:I:336:ALA:HA	1:I:340:ASN:HD22	1.60	0.66
1:J:293:THR:O	1:J:297:VAL:HG23	1.95	0.66
1:J:297:VAL:HG13	1:J:300:LEU:HD23	1.78	0.66
1:J:301:LEU:HD13	1:J:328:ALA:HB2	1.77	0.66
1:J:357:LEU:HD21	1:J:366:ARG:HD2	1.77	0.66
1:J:563:ARG:HG2	1:J:1039:UNK:CA	2.26	0.66
1:K:28:ASP:O	1:K:45:ILE:HD11	1.94	0.66
1:K:214:SER:CB	1:K:219:LEU:HB2	2.26	0.66
1:K:528:ILE:HD13	1:K:529:CYS:H	1.61	0.66
1:L:110:ARG:CG	1:L:114:TYR:HE2	2.07	0.66
1:L:214:SER:CB	1:L:219:LEU:HB2	2.26	0.66
1:M:428:GLU:O	1:M:431:VAL:HG22	1.96	0.66
1:N:28:ASP:CA	1:N:31:ASP:HB2	2.24	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:193:LEU:CG	1:N:221:ILE:HG22	2.26	0.66
1:N:528:ILE:HD13	1:N:529:CYS:H	1.61	0.66
1:N:999:UNK:CA	1:N:1020:UNK:HA	2.26	0.66
1:O:20:GLU:HG3	1:O:85:TYR:CZ	2.30	0.66
1:O:32:VAL:HA	1:O:45:ILE:CD1	2.25	0.66
1:O:86:LYS:C	1:O:86:LYS:HD2	2.16	0.66
1:O:349:LEU:HB3	1:O:426:TYR:HE1	1.59	0.66
1:P:28:ASP:CA	1:P:31:ASP:HB2	2.24	0.66
1:P:110:ARG:CG	1:P:114:TYR:HE2	2.07	0.66
1:P:541:ALA:HB1	1:P:571:GLU:CG	2.25	0.66
1:A:141:LEU:HD11	1:B:3:PHE:HZ	1.61	0.66
1:B:214:SER:CB	1:B:219:LEU:HB2	2.26	0.66
1:C:87:PHE:CG	1:K:19:PHE:HE2	2.14	0.66
1:C:89:MET:HG2	1:C:93:LYS:HE2	1.77	0.66
1:C:120:PHE:CD1	1:C:122:LYS:HA	2.31	0.66
1:C:149:ILE:HG21	1:C:265:THR:HG22	1.77	0.66
1:D:35:MET:SD	1:D:45:ILE:HG13	2.36	0.66
1:D:87:PHE:CG	1:L:19:PHE:HE2	2.14	0.66
1:D:297:VAL:HG13	1:D:300:LEU:HD23	1.78	0.66
1:D:353:ILE:CG1	1:D:430:LYS:HD2	2.24	0.66
1:D:563:ARG:HG2	1:D:1039:UNK:CA	2.26	0.66
1:E:10:TYR:HE1	1:E:167:SER:C	2.00	0.66
1:E:128:LEU:O	1:E:132:LEU:HD23	1.96	0.66
1:F:28:ASP:CA	1:F:31:ASP:HB2	2.24	0.66
1:F:87:PHE:CG	1:N:19:PHE:HE2	2.14	0.66
1:F:528:ILE:HD13	1:F:529:CYS:N	2.10	0.66
1:G:32:VAL:HA	1:G:45:ILE:CD1	2.25	0.66
1:G:35:MET:SD	1:G:45:ILE:HG13	2.36	0.66
1:G:86:LYS:C	1:G:86:LYS:HD2	2.16	0.66
1:G:109:GLN:O	1:G:113:LEU:HD12	1.95	0.66
1:G:298:LYS:NZ	1:G:316:VAL:HG12	2.10	0.66
1:G:301:LEU:HD13	1:G:328:ALA:HB2	1.77	0.66
1:G:342:LYS:HD3	1:G:342:LYS:O	1.96	0.66
1:G:357:LEU:HD21	1:G:366:ARG:HD2	1.77	0.66
1:H:109:GLN:O	1:H:113:LEU:HD12	1.95	0.66
1:H:528:ILE:HD13	1:H:529:CYS:H	1.61	0.66
1:I:3:PHE:CE2	1:J:141:LEU:CD2	2.79	0.66
1:I:3:PHE:CE2	1:J:141:LEU:HD11	2.31	0.66
1:I:7:GLU:O	1:I:11:GLN:HG3	1.95	0.66
1:I:443:ILE:HG13	1:I:478:ILE:CG2	2.26	0.66
1:J:15:ILE:HD11	1:J:88:LEU:CD1	2.25	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:35:MET:SD	1:J:45:ILE:HG13	2.36	0.66
1:J:35:MET:N	1:J:36:PRO:CD	2.59	0.66
1:K:27:PHE:HA	1:K:30:LYS:CD	2.26	0.66
1:K:35:MET:SD	1:K:45:ILE:HG13	2.36	0.66
1:L:253:TRP:HE3	1:L:275:LEU:CG	2.08	0.66
1:L:428:GLU:O	1:L:431:VAL:HG22	1.96	0.66
1:L:528:ILE:HD13	1:L:529:CYS:H	1.61	0.66
1:M:45:ILE:HG12	1:M:49:ILE:HD11	1.78	0.66
1:M:256:PHE:HD2	1:M:262:ILE:HG13	1.60	0.66
1:M:353:ILE:CG1	1:M:430:LYS:HD2	2.24	0.66
1:M:522:LYS:O	1:M:526:PRO:HD2	1.96	0.66
1:M:541:ALA:HB1	1:M:571:GLU:CG	2.25	0.66
1:O:35:MET:SD	1:O:45:ILE:HG13	2.36	0.66
1:O:342:LYS:HD3	1:O:342:LYS:O	1.96	0.66
1:O:522:LYS:O	1:O:526:PRO:HD2	1.96	0.66
1:P:20:GLU:HG3	1:P:85:TYR:CZ	2.30	0.66
1:P:27:PHE:HA	1:P:30:LYS:HE2	1.76	0.66
1:P:382:PRO:HA	1:P:419:THR:CG2	2.24	0.66
1:A:27:PHE:HA	1:A:30:LYS:CD	2.26	0.66
1:A:65:LEU:HD13	1:A:72:MET:HE2	1.76	0.66
1:A:123:TYR:HB2	1:A:304:TYR:H	1.61	0.66
1:A:353:ILE:CG1	1:A:430:LYS:HD2	2.24	0.66
1:A:522:LYS:O	1:A:526:PRO:HD2	1.96	0.66
1:B:19:PHE:HE2	1:J:87:PHE:CG	2.14	0.66
1:B:27:PHE:HA	1:B:30:LYS:CD	2.26	0.66
1:B:196:LEU:HD21	1:B:228:LEU:HD12	1.78	0.66
1:B:342:LYS:O	1:B:342:LYS:HD3	1.96	0.66
1:B:428:GLU:O	1:B:431:VAL:HG22	1.96	0.66
1:B:528:ILE:HD13	1:B:529:CYS:H	1.61	0.66
1:C:27:PHE:HA	1:C:30:LYS:CD	2.26	0.66
1:C:35:MET:SD	1:C:45:ILE:HG13	2.36	0.66
1:C:214:SER:CB	1:C:219:LEU:HB2	2.26	0.66
1:D:7:GLU:CD	1:D:107:ILE:HB	2.17	0.66
1:D:293:THR:O	1:D:297:VAL:HG23	1.95	0.66
1:D:357:LEU:HD21	1:D:366:ARG:HD2	1.77	0.66
1:D:381:ILE:HB	1:D:466:TYR:CD2	2.31	0.66
1:E:141:LEU:CD2	1:F:3:PHE:CE2	2.79	0.66
1:E:196:LEU:HD21	1:E:228:LEU:HD12	1.78	0.66
1:E:522:LYS:O	1:E:526:PRO:HD2	1.96	0.66
1:E:999:UNK:CA	1:E:1020:UNK:HA	2.26	0.66
1:F:214:SER:CB	1:F:219:LEU:HB2	2.26	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:297:VAL:HG13	1:F:300:LEU:HD23	1.78	0.66
1:F:510:ALA:HB1	1:F:645:UNK:O	1.96	0.66
1:G:86:LYS:HD2	1:G:86:LYS:O	1.96	0.66
1:G:443:ILE:HG13	1:G:478:ILE:CG2	2.26	0.66
1:G:486:LEU:HD13	1:G:488:ARG:HH12	1.59	0.66
1:G:522:LYS:O	1:G:526:PRO:HD2	1.96	0.66
1:H:19:PHE:HE2	1:P:87:PHE:CG	2.14	0.66
1:H:128:LEU:O	1:H:132:LEU:HD23	1.96	0.66
1:I:141:LEU:HD11	1:P:3:PHE:HZ	1.61	0.66
1:I:196:LEU:HD21	1:I:228:LEU:HD12	1.78	0.66
1:I:297:VAL:HG13	1:I:300:LEU:HD23	1.78	0.66
1:J:349:LEU:HB3	1:J:426:TYR:HE1	1.59	0.66
1:J:381:ILE:HB	1:J:466:TYR:CD2	2.31	0.66
1:L:7:GLU:O	1:L:11:GLN:HG3	1.95	0.66
1:L:27:PHE:HA	1:L:30:LYS:CD	2.26	0.66
1:L:196:LEU:HD21	1:L:228:LEU:HD12	1.78	0.66
1:L:342:LYS:O	1:L:342:LYS:HD3	1.96	0.66
1:M:27:PHE:HA	1:M:30:LYS:CD	2.26	0.66
1:M:123:TYR:HB2	1:M:304:TYR:H	1.61	0.66
1:M:132:LEU:CA	1:M:135:ARG:HD3	2.23	0.66
1:M:528:ILE:HD13	1:M:529:CYS:H	1.61	0.66
1:N:203:ILE:O	1:N:203:ILE:HD13	1.95	0.66
1:N:298:LYS:NZ	1:N:316:VAL:HG12	2.10	0.66
1:O:86:LYS:HD2	1:O:86:LYS:O	1.96	0.66
1:P:214:SER:CB	1:P:219:LEU:HB2	2.26	0.66
1:P:256:PHE:HE2	1:P:262:ILE:HB	1.58	0.66
1:P:443:ILE:HG13	1:P:478:ILE:CG2	2.26	0.66
1:P:510:ALA:HB1	1:P:645:UNK:O	1.96	0.66
1:P:563:ARG:HG2	1:P:1039:UNK:CA	2.26	0.66
1:A:10:TYR:HE1	1:A:167:SER:C	2.00	0.66
1:A:15:ILE:HD11	1:A:88:LEU:CD1	2.25	0.66
1:A:35:MET:SD	1:A:45:ILE:HG13	2.36	0.66
1:A:132:LEU:CA	1:A:135:ARG:HD3	2.23	0.66
1:B:7:GLU:O	1:B:11:GLN:HG3	1.95	0.66
1:B:141:LEU:HD21	1:C:3:PHE:CE2	2.31	0.66
1:B:253:TRP:HE3	1:B:275:LEU:CG	2.08	0.66
1:B:563:ARG:HG2	1:B:1039:UNK:CA	2.26	0.66
1:C:7:GLU:CD	1:C:107:ILE:HB	2.17	0.66
1:C:65:LEU:HD13	1:C:72:MET:HE2	1.78	0.66
1:D:141:LEU:CD2	1:E:3:PHE:CE2	2.79	0.66
1:D:514:ILE:CD1	1:D:516:ASN:HD21	2.08	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:7:GLU:O	1:E:11:GLN:HG3	1.95	0.66
1:E:35:MET:SD	1:E:45:ILE:HG13	2.36	0.66
1:E:297:VAL:HG13	1:E:300:LEU:HD23	1.78	0.66
1:E:428:GLU:O	1:E:431:VAL:HG22	1.96	0.66
1:F:141:LEU:CD2	1:G:3:PHE:CE2	2.79	0.66
1:F:381:ILE:HB	1:F:466:TYR:CD2	2.31	0.66
1:F:443:ILE:HG13	1:F:478:ILE:CG2	2.26	0.66
1:F:563:ARG:HG2	1:F:1039:UNK:CA	2.26	0.66
1:G:149:ILE:HG21	1:G:265:THR:HG22	1.77	0.66
1:H:27:PHE:HA	1:H:30:LYS:CD	2.26	0.66
1:H:45:ILE:HG12	1:H:49:ILE:HD11	1.78	0.66
1:H:192:VAL:CG1	1:H:251:LYS:HD3	2.25	0.66
1:I:10:TYR:HE1	1:I:167:SER:C	2.00	0.66
1:I:35:MET:SD	1:I:45:ILE:HG13	2.36	0.66
1:I:428:GLU:O	1:I:431:VAL:HG22	1.96	0.66
1:I:522:LYS:O	1:I:526:PRO:HD2	1.96	0.66
1:I:999:UNK:CA	1:I:1020:UNK:HA	2.26	0.66
1:J:7:GLU:CD	1:J:107:ILE:HB	2.17	0.66
1:J:214:SER:CB	1:J:219:LEU:HB2	2.26	0.66
1:K:89:MET:HG2	1:K:93:LYS:HE2	1.77	0.66
1:K:120:PHE:CD1	1:K:122:LYS:HA	2.31	0.66
1:K:237:TYR:O	1:K:240:CYS:HB2	1.95	0.66
1:K:300:LEU:HD12	1:K:301:LEU:CA	2.26	0.66
1:L:3:PHE:HZ	1:M:141:LEU:HD11	1.61	0.66
1:L:290:MET:O	1:L:291:THR:HG22	1.95	0.66
1:L:563:ARG:HG2	1:L:1039:UNK:CA	2.26	0.66
1:M:10:TYR:HE1	1:M:167:SER:C	2.00	0.66
1:M:15:ILE:HD11	1:M:88:LEU:CD1	2.25	0.66
1:M:35:MET:SD	1:M:45:ILE:HG13	2.36	0.66
1:M:65:LEU:HD13	1:M:72:MET:HE2	1.76	0.66
1:M:342:LYS:O	1:M:342:LYS:HD3	1.96	0.66
1:M:381:ILE:HB	1:M:466:TYR:CD2	2.31	0.66
1:N:128:LEU:O	1:N:132:LEU:HD23	1.96	0.66
1:N:192:VAL:CG1	1:N:251:LYS:HD3	2.25	0.66
1:O:3:PHE:CE2	1:P:141:LEU:CD2	2.79	0.66
1:O:109:GLN:O	1:O:113:LEU:HD12	1.95	0.66
1:O:443:ILE:HG13	1:O:478:ILE:CG2	2.26	0.66
1:P:297:VAL:HG13	1:P:300:LEU:HD23	1.78	0.66
1:P:342:LYS:O	1:P:342:LYS:HD3	1.96	0.66
1:P:381:ILE:HB	1:P:466:TYR:CD2	2.31	0.66
1:P:528:ILE:HD13	1:P:529:CYS:N	2.10	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:381:ILE:HB	1:A:466:TYR:CD2	2.31	0.65
1:A:416:LYS:HG3	1:A:417:GLU:N	2.10	0.65
1:A:443:ILE:HG13	1:A:478:ILE:CG2	2.26	0.65
1:B:10:TYR:HE1	1:B:167:SER:C	2.00	0.65
1:B:449:ILE:HD12	1:B:450:PRO:HD3	1.77	0.65
1:C:300:LEU:HD12	1:C:301:LEU:CA	2.26	0.65
1:C:342:LYS:HD3	1:C:342:LYS:O	1.96	0.65
1:D:342:LYS:O	1:D:342:LYS:HD3	1.96	0.65
1:D:349:LEU:HB3	1:D:426:TYR:HE1	1.59	0.65
1:E:7:GLU:CD	1:E:107:ILE:HB	2.17	0.65
1:E:141:LEU:HD11	1:F:3:PHE:HZ	1.61	0.65
1:E:416:LYS:HG3	1:E:417:GLU:N	2.10	0.65
1:E:563:ARG:HG2	1:E:1039:UNK:CA	2.26	0.65
1:F:7:GLU:O	1:F:11:GLN:HG3	1.95	0.65
1:F:86:LYS:HD2	1:F:86:LYS:C	2.16	0.65
1:F:193:LEU:CG	1:F:221:ILE:HG22	2.26	0.65
1:F:256:PHE:HE2	1:F:262:ILE:HB	1.58	0.65
1:F:342:LYS:O	1:F:342:LYS:HD3	1.96	0.65
1:F:522:LYS:O	1:F:526:PRO:HD2	1.96	0.65
1:F:528:ILE:HD13	1:F:529:CYS:H	1.61	0.65
1:G:120:PHE:CD1	1:G:122:LYS:HA	2.31	0.65
1:G:141:LEU:HD11	1:H:3:PHE:CE2	2.31	0.65
1:G:300:LEU:HD12	1:G:301:LEU:CA	2.26	0.65
1:G:336:ALA:HA	1:G:340:ASN:HD22	1.60	0.65
1:G:999:UNK:CA	1:G:1020:UNK:HA	2.26	0.65
1:I:7:GLU:CD	1:I:107:ILE:HB	2.17	0.65
1:I:89:MET:HG2	1:I:93:LYS:HE2	1.77	0.65
1:I:141:LEU:CD2	1:P:3:PHE:CE2	2.79	0.65
1:I:253:TRP:HE3	1:I:275:LEU:CG	2.08	0.65
1:I:416:LYS:HG3	1:I:417:GLU:N	2.10	0.65
1:K:3:PHE:CE2	1:L:141:LEU:HD11	2.31	0.65
1:K:7:GLU:CD	1:K:107:ILE:HB	2.17	0.65
1:K:27:PHE:HA	1:K:30:LYS:CE	2.27	0.65
1:K:196:LEU:HD21	1:K:228:LEU:HD12	1.78	0.65
1:K:342:LYS:HD3	1:K:342:LYS:O	1.96	0.65
1:M:336:ALA:HA	1:M:340:ASN:HD22	1.60	0.65
1:M:443:ILE:HG13	1:M:478:ILE:CG2	2.26	0.65
1:N:3:PHE:CE2	1:O:141:LEU:HD11	2.31	0.65
1:N:27:PHE:HA	1:N:30:LYS:CD	2.26	0.65
1:N:45:ILE:HG12	1:N:49:ILE:HD11	1.78	0.65
1:O:192:VAL:CG1	1:O:251:LYS:HD3	2.25	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:300:LEU:HD12	1:O:301:LEU:CA	2.26	0.65
1:O:999:UNK:CA	1:O:1020:UNK:HA	2.26	0.65
1:P:86:LYS:HD2	1:P:86:LYS:C	2.16	0.65
1:P:405:LEU:CD1	1:P:411:VAL:HG11	2.24	0.65
1:P:522:LYS:O	1:P:526:PRO:HD2	1.96	0.65
1:A:3:PHE:CE2	1:H:141:LEU:CD2	2.79	0.65
1:A:19:PHE:HE2	1:I:87:PHE:CG	2.14	0.65
1:A:196:LEU:HD21	1:A:228:LEU:HD12	1.78	0.65
1:A:290:MET:O	1:A:291:THR:HG22	1.95	0.65
1:A:336:ALA:HA	1:A:340:ASN:HD22	1.60	0.65
1:A:342:LYS:O	1:A:342:LYS:HD3	1.96	0.65
1:A:543:LEU:O	1:A:543:LEU:HD23	1.97	0.65
1:A:999:UNK:CA	1:A:1020:UNK:HA	2.26	0.65
1:B:7:GLU:CD	1:B:107:ILE:HB	2.17	0.65
1:B:141:LEU:HD11	1:C:3:PHE:CE2	2.31	0.65
1:C:27:PHE:HA	1:C:30:LYS:CE	2.27	0.65
1:C:196:LEU:HD21	1:C:228:LEU:HD12	1.78	0.65
1:C:237:TYR:O	1:C:240:CYS:HB2	1.95	0.65
1:C:499:GLN:HE21	1:C:554:ILE:HG12	1.60	0.65
1:D:141:LEU:HD11	1:E:3:PHE:HZ	1.60	0.65
1:D:196:LEU:HD21	1:D:228:LEU:HD12	1.78	0.65
1:D:214:SER:CB	1:D:219:LEU:HB2	2.26	0.65
1:D:522:LYS:O	1:D:526:PRO:HD2	1.96	0.65
1:G:192:VAL:CG1	1:G:251:LYS:HD3	2.25	0.65
1:G:297:VAL:HG13	1:G:300:LEU:HD23	1.78	0.65
1:H:10:TYR:HE1	1:H:167:SER:C	2.00	0.65
1:H:32:VAL:HA	1:H:45:ILE:CD1	2.25	0.65
1:H:488:ARG:HA	1:H:491:PHE:N	2.09	0.65
1:I:198:LYS:HA	1:I:201:TYR:HD2	1.61	0.65
1:I:214:SER:CB	1:I:219:LEU:HB2	2.26	0.65
1:I:479:GLU:HB3	1:I:481:PRO:CD	2.24	0.65
1:I:563:ARG:HG2	1:I:1039:UNK:CA	2.26	0.65
1:J:27:PHE:HA	1:J:30:LYS:CD	2.26	0.65
1:J:342:LYS:O	1:J:342:LYS:HD3	1.96	0.65
1:J:499:GLN:HE21	1:J:554:ILE:HG12	1.60	0.65
1:J:514:ILE:CD1	1:J:516:ASN:HD21	2.08	0.65
1:K:3:PHE:CE2	1:L:141:LEU:HD21	2.31	0.65
1:K:405:LEU:CD1	1:K:411:VAL:HG11	2.24	0.65
1:L:336:ALA:HA	1:L:340:ASN:HD22	1.60	0.65
1:L:449:ILE:HD12	1:L:450:PRO:HD3	1.77	0.65
1:M:3:PHE:CE2	1:N:141:LEU:CD2	2.79	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:27:PHE:HA	1:M:30:LYS:CE	2.27	0.65
1:M:196:LEU:HD21	1:M:228:LEU:HD12	1.78	0.65
1:M:214:SER:CB	1:M:219:LEU:HB2	2.26	0.65
1:M:416:LYS:HG3	1:M:417:GLU:N	2.10	0.65
1:N:32:VAL:HA	1:N:45:ILE:CD1	2.25	0.65
1:N:300:LEU:HD12	1:N:301:LEU:CA	2.26	0.65
1:N:336:ALA:HA	1:N:340:ASN:HD22	1.60	0.65
1:O:149:ILE:HG21	1:O:265:THR:HG22	1.77	0.65
1:O:297:VAL:HG13	1:O:300:LEU:HD23	1.78	0.65
1:O:336:ALA:HA	1:O:340:ASN:HD22	1.60	0.65
1:O:486:LEU:HD13	1:O:488:ARG:HH12	1.59	0.65
1:P:7:GLU:CD	1:P:107:ILE:HB	2.17	0.65
1:P:193:LEU:CG	1:P:221:ILE:HG22	2.26	0.65
1:P:196:LEU:HD21	1:P:228:LEU:HD12	1.78	0.65
1:P:300:LEU:HD12	1:P:301:LEU:CA	2.26	0.65
1:A:27:PHE:HA	1:A:30:LYS:CE	2.27	0.65
1:A:214:SER:CB	1:A:219:LEU:HB2	2.26	0.65
1:B:336:ALA:HA	1:B:340:ASN:HD22	1.60	0.65
1:C:198:LYS:HA	1:C:201:TYR:HD2	1.61	0.65
1:C:381:ILE:HB	1:C:466:TYR:HD2	1.60	0.65
1:D:27:PHE:HA	1:D:30:LYS:CD	2.26	0.65
1:D:416:LYS:HG3	1:D:417:GLU:N	2.10	0.65
1:D:496:PHE:CZ	1:D:558:TYR:CD1	2.82	0.65
1:D:499:GLN:HE21	1:D:554:ILE:HG12	1.60	0.65
1:D:999:UNK:CA	1:D:1020:UNK:HA	2.26	0.65
1:E:193:LEU:CG	1:E:221:ILE:HG22	2.26	0.65
1:E:198:LYS:HA	1:E:201:TYR:HD2	1.61	0.65
1:E:214:SER:CB	1:E:219:LEU:HB2	2.26	0.65
1:E:253:TRP:HE3	1:E:275:LEU:CG	2.08	0.65
1:F:1:MET:HE1	1:F:65:LEU:HD12	1.78	0.65
1:F:32:VAL:HA	1:F:45:ILE:CD1	2.25	0.65
1:F:196:LEU:HD21	1:F:228:LEU:HD12	1.78	0.65
1:F:300:LEU:HD12	1:F:301:LEU:CA	2.26	0.65
1:F:405:LEU:CD1	1:F:411:VAL:HG11	2.24	0.65
1:G:196:LEU:HD21	1:G:228:LEU:HD12	1.78	0.65
1:G:496:PHE:CZ	1:G:558:TYR:CD1	2.82	0.65
1:G:510:ALA:HB1	1:G:645:UNK:O	1.96	0.65
1:G:563:ARG:HG2	1:G:1039:UNK:CA	2.26	0.65
1:H:128:LEU:HD12	1:H:128:LEU:H	1.62	0.65
1:H:300:LEU:HD12	1:H:301:LEU:CA	2.26	0.65
1:H:449:ILE:HD12	1:H:450:PRO:HD3	1.77	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:149:ILE:HG21	1:I:265:THR:HG22	1.77	0.65
1:I:193:LEU:CG	1:I:221:ILE:HG22	2.26	0.65
1:J:10:TYR:HE1	1:J:167:SER:C	2.00	0.65
1:J:196:LEU:HD21	1:J:228:LEU:HD12	1.78	0.65
1:J:198:LYS:HA	1:J:201:TYR:HD2	1.61	0.65
1:J:443:ILE:HG13	1:J:478:ILE:CG2	2.26	0.65
1:J:522:LYS:O	1:J:526:PRO:HD2	1.96	0.65
1:K:198:LYS:HA	1:K:201:TYR:HD2	1.62	0.65
1:L:7:GLU:CD	1:L:107:ILE:HB	2.17	0.65
1:L:522:LYS:O	1:L:526:PRO:HD2	1.96	0.65
1:M:149:ILE:HG21	1:M:265:THR:HG22	1.77	0.65
1:M:510:ALA:HB1	1:M:645:UNK:O	1.96	0.65
1:M:543:LEU:O	1:M:543:LEU:HD23	1.97	0.65
1:N:10:TYR:HE1	1:N:167:SER:C	2.00	0.65
1:N:86:LYS:HD2	1:N:86:LYS:C	2.16	0.65
1:N:89:MET:HG2	1:N:93:LYS:HE2	1.77	0.65
1:N:449:ILE:HD12	1:N:450:PRO:HD3	1.77	0.65
1:O:45:ILE:HG12	1:O:49:ILE:HD11	1.78	0.65
1:O:120:PHE:CD1	1:O:122:LYS:HA	2.31	0.65
1:O:128:LEU:H	1:O:128:LEU:HD12	1.62	0.65
1:O:298:LYS:HD2	1:O:312:LEU:CD2	2.17	0.65
1:O:381:ILE:HB	1:O:466:TYR:HD2	1.60	0.65
1:P:1:MET:HE1	1:P:65:LEU:HD12	1.78	0.65
1:P:7:GLU:O	1:P:11:GLN:HG3	1.95	0.65
1:P:128:LEU:HD12	1:P:128:LEU:H	1.62	0.65
1:P:528:ILE:HD13	1:P:529:CYS:H	1.61	0.65
1:P:543:LEU:O	1:P:543:LEU:HD23	1.97	0.65
1:A:7:GLU:O	1:A:11:GLN:HG3	1.95	0.65
1:A:7:GLU:CD	1:A:107:ILE:HB	2.17	0.65
1:A:510:ALA:HB1	1:A:645:UNK:O	1.96	0.65
1:B:45:ILE:HG12	1:B:49:ILE:HD11	1.78	0.65
1:C:563:ARG:HG2	1:C:1039:UNK:CA	2.26	0.65
1:D:198:LYS:HA	1:D:201:TYR:HD2	1.61	0.65
1:D:443:ILE:HG13	1:D:478:ILE:CG2	2.26	0.65
1:E:19:PHE:HE2	1:M:87:PHE:CG	2.14	0.65
1:E:27:PHE:HA	1:E:30:LYS:CE	2.27	0.65
1:E:86:LYS:O	1:E:86:LYS:HD2	1.96	0.65
1:E:87:PHE:CG	1:M:19:PHE:HE2	2.14	0.65
1:E:89:MET:HG2	1:E:93:LYS:HE2	1.77	0.65
1:E:141:LEU:HD21	1:F:3:PHE:CE2	2.31	0.65
1:E:149:ILE:HG21	1:E:265:THR:HG22	1.77	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:301:LEU:HD13	1:E:328:ALA:HB2	1.77	0.65
1:E:479:GLU:HB3	1:E:481:PRO:CD	2.24	0.65
1:F:86:LYS:HD2	1:F:86:LYS:O	1.96	0.65
1:F:128:LEU:H	1:F:128:LEU:HD12	1.62	0.65
1:F:543:LEU:O	1:F:543:LEU:HD23	1.97	0.65
1:G:10:TYR:HE1	1:G:167:SER:C	2.00	0.65
1:G:45:ILE:HG12	1:G:49:ILE:HD11	1.78	0.65
1:G:128:LEU:H	1:G:128:LEU:HD12	1.62	0.65
1:G:141:LEU:CD2	1:H:3:PHE:CE2	2.79	0.65
1:G:499:GLN:HE21	1:G:554:ILE:HG12	1.60	0.65
1:H:86:LYS:HD2	1:H:86:LYS:C	2.16	0.65
1:H:89:MET:HG2	1:H:93:LYS:HE2	1.77	0.65
1:H:297:VAL:HG13	1:H:300:LEU:HD23	1.78	0.65
1:H:336:ALA:HA	1:H:340:ASN:HD22	1.60	0.65
1:I:27:PHE:HA	1:I:30:LYS:CE	2.27	0.65
1:J:496:PHE:CZ	1:J:558:TYR:CD1	2.82	0.65
1:J:999:UNK:CA	1:J:1020:UNK:HA	2.26	0.65
1:K:197:GLN:HE22	1:L:219:LEU:CD1	1.91	0.65
1:L:10:TYR:HE1	1:L:167:SER:C	2.00	0.65
1:L:45:ILE:HG12	1:L:49:ILE:HD11	1.78	0.65
1:L:197:GLN:HE22	1:M:219:LEU:CD1	1.91	0.65
1:M:290:MET:O	1:M:291:THR:HG22	1.95	0.65
1:M:999:UNK:CA	1:M:1020:UNK:HA	2.26	0.65
1:N:27:PHE:HA	1:N:30:LYS:CE	2.27	0.65
1:N:128:LEU:H	1:N:128:LEU:HD12	1.62	0.65
1:N:488:ARG:HA	1:N:491:PHE:N	2.09	0.65
1:O:196:LEU:HD21	1:O:228:LEU:HD12	1.78	0.65
1:O:499:GLN:HE21	1:O:554:ILE:HG12	1.60	0.65
1:O:510:ALA:HB1	1:O:645:UNK:O	1.96	0.65
1:O:563:ARG:HG2	1:O:1039:UNK:CA	2.26	0.65
1:P:86:LYS:HD2	1:P:86:LYS:O	1.96	0.65
1:P:499:GLN:HE21	1:P:554:ILE:HG12	1.60	0.65
1:A:372:LEU:HD12	1:A:422:ILE:HG22	1.79	0.65
1:A:449:ILE:HD12	1:A:450:PRO:HD3	1.77	0.65
1:B:195:MET:HA	1:B:198:LYS:HE3	1.79	0.65
1:B:522:LYS:O	1:B:526:PRO:HD2	1.96	0.65
1:C:405:LEU:CD1	1:C:411:VAL:HG11	2.24	0.65
1:D:10:TYR:HE1	1:D:167:SER:C	2.00	0.65
1:D:19:PHE:HE2	1:L:87:PHE:CG	2.14	0.65
1:F:35:MET:SD	1:F:45:ILE:HG13	2.36	0.65
1:F:192:VAL:CG1	1:F:251:LYS:HD3	2.25	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:999:UNK:CA	1:F:1020:UNK:HA	2.26	0.65
1:G:3:PHE:O	1:G:7:GLU:HG3	1.96	0.65
1:G:428:GLU:O	1:G:431:VAL:HG22	1.96	0.65
1:H:27:PHE:HA	1:H:30:LYS:CE	2.27	0.65
1:H:86:LYS:HD2	1:H:86:LYS:O	1.96	0.65
1:H:196:LEU:HD21	1:H:228:LEU:HD12	1.78	0.65
1:H:563:ARG:HG2	1:H:1039:UNK:CA	2.26	0.65
1:I:3:PHE:HZ	1:J:141:LEU:HD11	1.60	0.65
1:I:301:LEU:HD13	1:I:328:ALA:HB2	1.77	0.65
1:J:32:VAL:HA	1:J:45:ILE:CD1	2.25	0.65
1:J:416:LYS:HG3	1:J:417:GLU:N	2.10	0.65
1:K:3:PHE:HZ	1:L:141:LEU:HD11	1.60	0.65
1:K:499:GLN:HE21	1:K:554:ILE:HG12	1.60	0.65
1:L:128:LEU:O	1:L:132:LEU:HD23	1.96	0.65
1:L:195:MET:HA	1:L:198:LYS:HE3	1.79	0.65
1:M:1:MET:HE1	1:M:65:LEU:CD1	2.27	0.65
1:M:449:ILE:HD12	1:M:450:PRO:HD3	1.77	0.65
1:M:563:ARG:HG2	1:M:1039:UNK:CA	2.26	0.65
1:N:3:PHE:CE2	1:O:141:LEU:CD2	2.79	0.65
1:N:86:LYS:HD2	1:N:86:LYS:O	1.96	0.65
1:N:125:VAL:HB	1:N:297:VAL:CA	2.16	0.65
1:N:196:LEU:HD21	1:N:228:LEU:HD12	1.78	0.65
1:N:297:VAL:HG13	1:N:300:LEU:HD23	1.78	0.65
1:N:443:ILE:HG13	1:N:478:ILE:CG2	2.26	0.65
1:N:563:ARG:HG2	1:N:1039:UNK:CA	2.26	0.65
1:O:3:PHE:O	1:O:7:GLU:HG3	1.96	0.65
1:O:10:TYR:HE1	1:O:167:SER:C	2.00	0.65
1:O:193:LEU:CG	1:O:221:ILE:HG22	2.26	0.65
1:O:428:GLU:O	1:O:431:VAL:HG22	1.96	0.65
1:O:496:PHE:CZ	1:O:558:TYR:CD1	2.82	0.65
1:P:32:VAL:HA	1:P:45:ILE:CD1	2.25	0.65
1:P:35:MET:SD	1:P:45:ILE:HG13	2.36	0.65
1:P:336:ALA:HA	1:P:340:ASN:HD22	1.60	0.65
1:P:999:UNK:CA	1:P:1020:UNK:HA	2.26	0.65
1:A:87:PHE:CG	1:I:19:PHE:HE2	2.14	0.65
1:A:128:LEU:O	1:A:132:LEU:HD23	1.96	0.65
1:A:149:ILE:HG21	1:A:265:THR:HG22	1.77	0.65
1:A:268:PHE:CZ	1:A:270:GLN:HB2	2.31	0.65
1:B:35:MET:SD	1:B:45:ILE:HG13	2.36	0.65
1:B:86:LYS:HD2	1:B:86:LYS:C	2.16	0.65
1:B:87:PHE:CG	1:J:19:PHE:HE2	2.14	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:198:LYS:HA	1:B:201:TYR:HD2	1.61	0.65
1:B:381:ILE:HB	1:B:466:TYR:HD2	1.60	0.65
1:D:32:VAL:HA	1:D:45:ILE:CD1	2.25	0.65
1:D:128:LEU:O	1:D:132:LEU:HD23	1.96	0.65
1:D:449:ILE:HD12	1:D:450:PRO:HD3	1.77	0.65
1:E:128:LEU:H	1:E:128:LEU:HD12	1.62	0.65
1:F:7:GLU:CD	1:F:107:ILE:HB	2.17	0.65
1:F:10:TYR:HE1	1:F:167:SER:C	2.00	0.65
1:F:141:LEU:HD11	1:G:3:PHE:CE2	2.31	0.65
1:F:499:GLN:HE21	1:F:554:ILE:HG12	1.60	0.65
1:G:27:PHE:HA	1:G:30:LYS:CD	2.26	0.65
1:G:193:LEU:CG	1:G:221:ILE:HG22	2.26	0.65
1:G:381:ILE:HB	1:G:466:TYR:HD2	1.60	0.65
1:H:443:ILE:HG13	1:H:478:ILE:CG2	2.26	0.65
1:I:86:LYS:O	1:I:86:LYS:HD2	1.96	0.65
1:I:128:LEU:H	1:I:128:LEU:HD12	1.62	0.65
1:I:141:LEU:HD21	1:P:3:PHE:CE2	2.31	0.65
1:J:120:PHE:CD1	1:J:122:LYS:HA	2.31	0.65
1:J:128:LEU:O	1:J:132:LEU:HD23	1.96	0.65
1:J:449:ILE:HD12	1:J:450:PRO:HD3	1.77	0.65
1:K:381:ILE:HB	1:K:466:TYR:HD2	1.60	0.65
1:K:563:ARG:HG2	1:K:1039:UNK:CA	2.26	0.65
1:L:123:TYR:HB2	1:L:304:TYR:H	1.61	0.65
1:L:443:ILE:HG13	1:L:478:ILE:CG2	2.26	0.65
1:M:7:GLU:CD	1:M:107:ILE:HB	2.17	0.65
1:M:7:GLU:O	1:M:11:GLN:HG3	1.95	0.65
1:M:86:LYS:O	1:M:86:LYS:HD2	1.96	0.65
1:M:300:LEU:HD12	1:M:301:LEU:CA	2.26	0.65
1:M:372:LEU:HD12	1:M:422:ILE:HG22	1.79	0.65
1:N:15:ILE:HD11	1:N:88:LEU:CD1	2.25	0.65
1:N:120:PHE:CD1	1:N:122:LYS:HA	2.31	0.65
1:O:27:PHE:HA	1:O:30:LYS:CD	2.26	0.65
1:P:192:VAL:CG1	1:P:251:LYS:HD3	2.25	0.65
1:A:86:LYS:O	1:A:86:LYS:HD2	1.96	0.65
1:A:120:PHE:CD1	1:A:122:LYS:HA	2.31	0.65
1:A:219:LEU:CD1	1:B:197:GLN:HE22	1.91	0.65
1:A:286:ASP:OD2	1:A:288:HIS:HB3	1.97	0.65
1:A:301:LEU:HD11	1:A:305:LEU:CD1	2.27	0.65
1:A:563:ARG:HG2	1:A:1039:UNK:CA	2.26	0.65
1:B:128:LEU:O	1:B:132:LEU:HD23	1.96	0.65
1:B:443:ILE:HG13	1:B:478:ILE:CG2	2.26	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:35:MET:N	1:E:36:PRO:CD	2.59	0.65
1:E:86:LYS:HD2	1:E:86:LYS:C	2.16	0.65
1:E:381:ILE:HB	1:E:466:TYR:HD2	1.60	0.65
1:E:499:GLN:HE21	1:E:554:ILE:HG12	1.60	0.65
1:E:543:LEU:O	1:E:543:LEU:HD23	1.97	0.65
1:F:268:PHE:CZ	1:F:270:GLN:HB2	2.31	0.65
1:F:336:ALA:HA	1:F:340:ASN:HD22	1.60	0.65
1:F:416:LYS:HG3	1:F:417:GLU:N	2.10	0.65
1:G:153:LEU:O	1:G:322:ARG:HB3	1.97	0.65
1:G:298:LYS:HD2	1:G:312:LEU:CD2	2.17	0.65
1:H:3:PHE:O	1:H:7:GLU:HG3	1.96	0.65
1:H:15:ILE:HD11	1:H:88:LEU:CD1	2.25	0.65
1:H:120:PHE:CD1	1:H:122:LYS:HA	2.31	0.65
1:H:342:LYS:O	1:H:342:LYS:HD3	1.96	0.65
1:H:428:GLU:O	1:H:431:VAL:HG22	1.96	0.65
1:I:86:LYS:HD2	1:I:86:LYS:C	2.16	0.65
1:I:543:LEU:O	1:I:543:LEU:HD23	1.97	0.65
1:K:301:LEU:HD11	1:K:305:LEU:CD1	2.27	0.65
1:L:35:MET:SD	1:L:45:ILE:HG13	2.36	0.65
1:L:86:LYS:HD2	1:L:86:LYS:C	2.16	0.65
1:L:198:LYS:HA	1:L:201:TYR:HD2	1.61	0.65
1:M:128:LEU:O	1:M:132:LEU:HD23	1.96	0.65
1:M:268:PHE:CZ	1:M:270:GLN:HB2	2.31	0.65
1:M:301:LEU:HD11	1:M:305:LEU:CD1	2.27	0.65
1:N:286:ASP:OD2	1:N:288:HIS:HB3	1.97	0.65
1:N:342:LYS:HD3	1:N:342:LYS:O	1.96	0.65
1:O:3:PHE:CE2	1:P:141:LEU:HD11	2.31	0.65
1:O:27:PHE:HA	1:O:30:LYS:CE	2.27	0.65
1:O:119:VAL:HG22	1:P:278:ALA:H	1.57	0.65
1:P:10:TYR:HE1	1:P:167:SER:C	2.00	0.65
1:A:89:MET:HG2	1:A:93:LYS:HE2	1.77	0.65
1:A:262:ILE:HG21	1:A:264:LEU:HG	1.79	0.65
1:A:300:LEU:HD12	1:A:301:LEU:CA	2.26	0.65
1:B:123:TYR:HB2	1:B:304:TYR:H	1.61	0.65
1:B:141:LEU:HD11	1:C:3:PHE:HZ	1.60	0.65
1:B:219:LEU:CD1	1:C:197:GLN:HE22	1.91	0.65
1:B:262:ILE:HG21	1:B:264:LEU:HG	1.79	0.65
1:B:268:PHE:CZ	1:B:270:GLN:HB2	2.31	0.65
1:B:286:ASP:OD2	1:B:288:HIS:HB3	1.97	0.65
1:B:510:ALA:HB1	1:B:645:UNK:O	1.96	0.65
1:C:86:LYS:C	1:C:86:LYS:HD2	2.16	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:LYS:HD2	1:C:86:LYS:O	1.96	0.65
1:C:286:ASP:OD2	1:C:288:HIS:HB3	1.97	0.65
1:C:301:LEU:HD11	1:C:305:LEU:CD1	2.27	0.65
1:D:120:PHE:CD1	1:D:122:LYS:HA	2.31	0.65
1:D:195:MET:HA	1:D:198:LYS:HE3	1.79	0.65
1:D:256:PHE:HD2	1:D:262:ILE:HG13	1.60	0.65
1:E:3:PHE:O	1:E:7:GLU:HG3	1.96	0.65
1:F:301:LEU:HD13	1:F:328:ALA:HB2	1.77	0.65
1:G:27:PHE:HA	1:G:30:LYS:CE	2.27	0.65
1:G:127:ARG:HB3	1:G:292:LEU:CD2	2.21	0.65
1:G:268:PHE:CZ	1:G:270:GLN:HB2	2.31	0.65
1:H:286:ASP:OD2	1:H:288:HIS:HB3	1.97	0.65
1:H:543:LEU:O	1:H:543:LEU:HD23	1.97	0.65
1:I:3:PHE:O	1:I:7:GLU:HG3	1.96	0.65
1:I:499:GLN:HE21	1:I:554:ILE:HG12	1.60	0.65
1:J:79:GLU:O	1:J:83:ILE:HG12	1.97	0.65
1:J:428:GLU:O	1:J:431:VAL:HG22	1.96	0.65
1:K:86:LYS:O	1:K:86:LYS:HD2	1.96	0.65
1:K:381:ILE:CG2	1:K:470:HIS:HE2	2.10	0.65
1:L:193:LEU:CG	1:L:221:ILE:HG22	2.26	0.65
1:L:381:ILE:HB	1:L:466:TYR:HD2	1.60	0.65
1:L:510:ALA:HB1	1:L:645:UNK:O	1.96	0.65
1:M:86:LYS:HD2	1:M:86:LYS:C	2.16	0.65
1:M:89:MET:HG2	1:M:93:LYS:HE2	1.77	0.65
1:M:262:ILE:HG21	1:M:264:LEU:HG	1.79	0.65
1:M:286:ASP:OD2	1:M:288:HIS:HB3	1.97	0.65
1:N:381:ILE:HB	1:N:466:TYR:HD2	1.60	0.65
1:N:428:GLU:O	1:N:431:VAL:HG22	1.96	0.65
1:O:89:MET:HG2	1:O:93:LYS:HE2	1.77	0.65
1:O:153:LEU:O	1:O:322:ARG:HB3	1.97	0.65
1:O:214:SER:CB	1:O:219:LEU:HB2	2.26	0.65
1:O:268:PHE:CZ	1:O:270:GLN:HB2	2.31	0.65
1:P:27:PHE:HA	1:P:30:LYS:CE	2.27	0.65
1:P:268:PHE:CZ	1:P:270:GLN:HB2	2.31	0.65
1:A:32:VAL:HA	1:A:45:ILE:CD1	2.25	0.65
1:A:86:LYS:HD2	1:A:86:LYS:C	2.16	0.65
1:B:175:ASP:OD2	1:B:241:LEU:HB2	1.97	0.65
1:B:193:LEU:CG	1:B:221:ILE:HG22	2.26	0.65
1:C:10:TYR:HE1	1:C:167:SER:C	2.00	0.65
1:C:15:ILE:HD11	1:C:88:LEU:CD1	2.25	0.65
1:C:128:LEU:O	1:C:132:LEU:HD23	1.96	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:256:PHE:HD2	1:C:262:ILE:HG13	1.60	0.65
1:C:381:ILE:CG2	1:C:470:HIS:HE2	2.10	0.65
1:C:510:ALA:HB1	1:C:645:UNK:O	1.96	0.65
1:D:45:ILE:HG12	1:D:49:ILE:HD11	1.78	0.65
1:D:79:GLU:O	1:D:83:ILE:HG12	1.97	0.65
1:D:428:GLU:O	1:D:431:VAL:HG22	1.96	0.65
1:E:342:LYS:O	1:E:342:LYS:HD3	1.96	0.65
1:G:89:MET:HG2	1:G:93:LYS:HE2	1.77	0.65
1:G:214:SER:CB	1:G:219:LEU:HB2	2.26	0.65
1:G:543:LEU:O	1:G:543:LEU:HD23	1.97	0.65
1:H:87:PHE:CG	1:P:19:PHE:HE2	2.14	0.65
1:H:123:TYR:HB2	1:H:304:TYR:H	1.61	0.65
1:H:125:VAL:HB	1:H:297:VAL:CA	2.16	0.65
1:I:35:MET:N	1:I:36:PRO:CD	2.59	0.65
1:I:381:ILE:HB	1:I:466:TYR:HD2	1.60	0.65
1:J:45:ILE:HG12	1:J:49:ILE:HD11	1.78	0.65
1:J:195:MET:HA	1:J:198:LYS:HE3	1.79	0.65
1:J:256:PHE:HD2	1:J:262:ILE:HG13	1.60	0.65
1:K:15:ILE:HD11	1:K:88:LEU:CD1	2.25	0.65
1:K:86:LYS:HD2	1:K:86:LYS:C	2.16	0.65
1:K:256:PHE:HD2	1:K:262:ILE:HG13	1.60	0.65
1:K:286:ASP:OD2	1:K:288:HIS:HB3	1.97	0.65
1:L:175:ASP:OD2	1:L:241:LEU:HB2	1.97	0.65
1:L:262:ILE:HG21	1:L:264:LEU:HG	1.79	0.65
1:L:268:PHE:CZ	1:L:270:GLN:HB2	2.31	0.65
1:L:286:ASP:OD2	1:L:288:HIS:HB3	1.97	0.65
1:L:300:LEU:HD12	1:L:301:LEU:CA	2.26	0.65
1:N:3:PHE:O	1:N:7:GLU:HG3	1.96	0.65
1:N:510:ALA:HB1	1:N:645:UNK:O	1.96	0.65
1:N:543:LEU:O	1:N:543:LEU:HD23	1.97	0.65
1:P:416:LYS:HG3	1:P:417:GLU:N	2.10	0.65
1:P:428:GLU:O	1:P:431:VAL:HG22	1.96	0.65
1:B:300:LEU:HD12	1:B:301:LEU:CA	2.26	0.65
1:D:86:LYS:HD2	1:D:86:LYS:C	2.16	0.65
1:D:381:ILE:CG2	1:D:470:HIS:HE2	2.10	0.65
1:D:510:ALA:HB1	1:D:645:UNK:O	1.96	0.65
1:E:148:LEU:CD1	1:E:253:TRP:HH2	2.02	0.65
1:F:19:PHE:HE2	1:N:87:PHE:CG	2.14	0.65
1:F:27:PHE:HA	1:F:30:LYS:CE	2.27	0.65
1:F:120:PHE:CD1	1:F:122:LYS:HA	2.31	0.65
1:F:278:ALA:H	1:G:119:VAL:HG22	1.57	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:428:GLU:O	1:F:431:VAL:HG22	1.96	0.65
1:G:372:LEU:HD12	1:G:422:ILE:HG22	1.79	0.65
1:G:488:ARG:HA	1:G:491:PHE:N	2.09	0.65
1:H:381:ILE:HB	1:H:466:TYR:HD2	1.60	0.65
1:I:27:PHE:HA	1:I:30:LYS:CD	2.26	0.65
1:I:510:ALA:HB1	1:I:645:UNK:O	1.96	0.65
1:J:3:PHE:O	1:J:7:GLU:HG3	1.96	0.65
1:J:86:LYS:HD2	1:J:86:LYS:C	2.16	0.65
1:J:381:ILE:CG2	1:J:470:HIS:HE2	2.10	0.65
1:K:10:TYR:HE1	1:K:167:SER:C	2.00	0.65
1:K:79:GLU:O	1:K:83:ILE:HG12	1.97	0.65
1:K:510:ALA:HB1	1:K:645:UNK:O	1.96	0.65
1:L:543:LEU:O	1:L:543:LEU:HD23	1.97	0.65
1:L:1079:UNK:HA	1:L:1086:UNK:HA	1.79	0.65
1:M:3:PHE:CE2	1:N:141:LEU:HD11	2.31	0.65
1:M:120:PHE:CD1	1:M:122:LYS:HA	2.31	0.65
1:M:298:LYS:HD2	1:M:312:LEU:CD2	2.17	0.65
1:N:79:GLU:O	1:N:83:ILE:HG12	1.97	0.65
1:N:124:ASN:HB3	3:N:1402:DTP:HN62	1.62	0.65
1:O:372:LEU:HD12	1:O:422:ILE:HG22	1.79	0.65
1:P:3:PHE:O	1:P:7:GLU:HG3	1.96	0.65
1:P:301:LEU:HD13	1:P:328:ALA:HB2	1.77	0.65
1:A:193:LEU:CG	1:A:221:ILE:HG22	2.26	0.64
1:A:1079:UNK:HA	1:A:1086:UNK:HA	1.79	0.64
1:B:27:PHE:HA	1:B:30:LYS:CE	2.27	0.64
1:B:181:LEU:HD12	1:B:199:LEU:HD21	1.80	0.64
1:B:381:ILE:CG2	1:B:470:HIS:HE2	2.10	0.64
1:B:543:LEU:O	1:B:543:LEU:HD23	1.97	0.64
1:B:1079:UNK:HA	1:B:1086:UNK:HA	1.79	0.64
1:C:79:GLU:O	1:C:83:ILE:HG12	1.97	0.64
1:C:193:LEU:CG	1:C:221:ILE:HG22	2.26	0.64
1:C:1079:UNK:HA	1:C:1086:UNK:HA	1.79	0.64
1:D:3:PHE:O	1:D:7:GLU:HG3	1.96	0.64
1:D:128:LEU:HD12	1:D:128:LEU:H	1.62	0.64
1:F:45:ILE:HG12	1:F:49:ILE:HD11	1.78	0.64
1:G:19:PHE:HE2	1:O:87:PHE:CG	2.14	0.64
1:G:301:LEU:HD11	1:G:305:LEU:CD1	2.27	0.64
1:G:364:GLU:HG2	1:G:401:VAL:HG11	1.80	0.64
1:H:35:MET:SD	1:H:45:ILE:HG13	2.36	0.64
1:H:79:GLU:O	1:H:83:ILE:HG12	1.97	0.64
1:H:124:ASN:HB3	3:H:1402:DTP:HN62	1.62	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:153:LEU:O	1:H:322:ARG:HB3	1.97	0.64
1:H:195:MET:HA	1:H:198:LYS:HE3	1.79	0.64
1:H:499:GLN:HE21	1:H:554:ILE:HG12	1.60	0.64
1:H:510:ALA:HB1	1:H:645:UNK:O	1.96	0.64
1:I:342:LYS:O	1:I:342:LYS:HD3	1.96	0.64
1:I:364:GLU:HG2	1:I:401:VAL:HG11	1.80	0.64
1:K:128:LEU:O	1:K:132:LEU:HD23	1.96	0.64
1:L:15:ILE:HD11	1:L:88:LEU:CD1	2.25	0.64
1:L:181:LEU:HD12	1:L:199:LEU:HD21	1.80	0.64
1:L:381:ILE:CG2	1:L:470:HIS:HE2	2.10	0.64
1:M:32:VAL:HA	1:M:45:ILE:CD1	2.25	0.64
1:M:1079:UNK:HA	1:M:1086:UNK:HA	1.79	0.64
1:N:123:TYR:HB2	1:N:304:TYR:H	1.61	0.64
1:N:153:LEU:O	1:N:322:ARG:HB3	1.97	0.64
1:O:127:ARG:HB3	1:O:292:LEU:CD2	2.21	0.64
1:O:301:LEU:HD11	1:O:305:LEU:CD1	2.27	0.64
1:O:364:GLU:HG2	1:O:401:VAL:HG11	1.80	0.64
1:O:543:LEU:O	1:O:543:LEU:HD23	1.97	0.64
1:P:45:ILE:HG12	1:P:49:ILE:HD11	1.78	0.64
1:P:120:PHE:CD1	1:P:122:LYS:HA	2.31	0.64
1:A:3:PHE:CE2	1:H:141:LEU:HD11	2.31	0.64
1:A:298:LYS:HD2	1:A:312:LEU:CD2	2.17	0.64
1:B:128:LEU:H	1:B:128:LEU:HD12	1.62	0.64
1:C:195:MET:HA	1:C:198:LYS:HE3	1.79	0.64
1:C:563:ARG:HG2	1:C:1038:UNK:C	2.28	0.64
1:D:286:ASP:OD2	1:D:288:HIS:HB3	1.97	0.64
1:D:364:GLU:HG2	1:D:401:VAL:HG11	1.80	0.64
1:D:458:LEU:O	1:D:460:PRO:HD3	1.98	0.64
1:E:27:PHE:HA	1:E:30:LYS:CD	2.26	0.64
1:E:268:PHE:CZ	1:E:270:GLN:HB2	2.31	0.64
1:E:301:LEU:HD11	1:E:305:LEU:CD1	2.27	0.64
1:E:364:GLU:HG2	1:E:401:VAL:HG11	1.80	0.64
1:E:381:ILE:HB	1:E:466:TYR:CD2	2.31	0.64
1:E:510:ALA:HB1	1:E:645:UNK:O	1.96	0.64
1:F:3:PHE:O	1:F:7:GLU:HG3	1.96	0.64
1:F:124:ASN:HB3	3:F:1402:DTP:HN62	1.62	0.64
1:F:153:LEU:O	1:F:322:ARG:HB3	1.97	0.64
1:G:79:GLU:O	1:G:83:ILE:HG12	1.97	0.64
1:I:148:LEU:CD1	1:I:253:TRP:HH2	2.02	0.64
1:I:268:PHE:CZ	1:I:270:GLN:HB2	2.31	0.64
1:I:301:LEU:HD11	1:I:305:LEU:CD1	2.27	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:124:ASN:HB3	3:J:1402:DTP:HN62	1.62	0.64
1:J:128:LEU:H	1:J:128:LEU:HD12	1.62	0.64
1:J:148:LEU:CD1	1:J:253:TRP:HH2	2.02	0.64
1:J:458:LEU:O	1:J:460:PRO:HD3	1.98	0.64
1:J:510:ALA:HB1	1:J:645:UNK:O	1.96	0.64
1:K:175:ASP:OD2	1:K:241:LEU:HB2	1.97	0.64
1:K:193:LEU:CG	1:K:221:ILE:HG22	2.26	0.64
1:K:195:MET:HA	1:K:198:LYS:HE3	1.79	0.64
1:K:298:LYS:HD2	1:K:312:LEU:CD2	2.17	0.64
1:K:563:ARG:HG2	1:K:1038:UNK:C	2.28	0.64
1:K:1079:UNK:HA	1:K:1086:UNK:HA	1.79	0.64
1:M:79:GLU:O	1:M:83:ILE:HG12	1.97	0.64
1:M:128:LEU:H	1:M:128:LEU:HD12	1.62	0.64
1:M:193:LEU:CG	1:M:221:ILE:HG22	2.26	0.64
1:M:458:LEU:O	1:M:460:PRO:HD3	1.98	0.64
1:N:195:MET:HA	1:N:198:LYS:HE3	1.79	0.64
1:N:262:ILE:HG21	1:N:264:LEU:HG	1.79	0.64
1:O:7:GLU:CD	1:O:107:ILE:HB	2.17	0.64
1:O:79:GLU:O	1:O:83:ILE:HG12	1.97	0.64
1:O:488:ARG:HA	1:O:491:PHE:N	2.09	0.64
1:A:79:GLU:O	1:A:83:ILE:HG12	1.97	0.64
1:A:128:LEU:H	1:A:128:LEU:HD12	1.62	0.64
1:A:175:ASP:OD2	1:A:241:LEU:HB2	1.97	0.64
1:A:381:ILE:CG2	1:A:470:HIS:HE2	2.10	0.64
1:A:458:LEU:O	1:A:460:PRO:HD3	1.98	0.64
1:B:15:ILE:HD11	1:B:88:LEU:CD1	2.25	0.64
1:B:153:LEU:O	1:B:322:ARG:HB3	1.97	0.64
1:B:245:LEU:HD12	1:B:246:ASN:N	2.13	0.64
1:B:563:ARG:HG2	1:B:1038:UNK:C	2.28	0.64
1:C:88:LEU:N	1:C:88:LEU:HD22	2.13	0.64
1:C:175:ASP:OD2	1:C:241:LEU:HB2	1.97	0.64
1:C:300:LEU:HD12	1:C:301:LEU:N	2.13	0.64
1:C:522:LYS:O	1:C:526:PRO:HD2	1.96	0.64
1:C:543:LEU:O	1:C:543:LEU:HD23	1.97	0.64
1:D:124:ASN:HB3	3:D:1402:DTP:HN62	1.62	0.64
1:D:563:ARG:HG2	1:D:1038:UNK:C	2.28	0.64
1:E:185:ASN:O	1:E:191:THR:HG21	1.98	0.64
1:F:364:GLU:HG2	1:F:401:VAL:HG11	1.80	0.64
1:G:7:GLU:CD	1:G:107:ILE:HB	2.17	0.64
1:H:7:GLU:CD	1:H:107:ILE:HB	2.17	0.64
1:H:185:ASN:O	1:H:191:THR:HG21	1.98	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:262:ILE:HG21	1:H:264:LEU:HG	1.79	0.64
1:H:458:LEU:O	1:H:460:PRO:HD3	1.98	0.64
1:I:185:ASN:O	1:I:191:THR:HG21	1.98	0.64
1:I:381:ILE:HB	1:I:466:TYR:CD2	2.31	0.64
1:I:381:ILE:CG2	1:I:470:HIS:HE2	2.10	0.64
1:J:286:ASP:OD2	1:J:288:HIS:HB3	1.97	0.64
1:J:364:GLU:HG2	1:J:401:VAL:HG11	1.80	0.64
1:J:563:ARG:HG2	1:J:1038:UNK:C	2.28	0.64
1:K:3:PHE:O	1:K:7:GLU:HG3	1.96	0.64
1:K:88:LEU:HD22	1:K:88:LEU:N	2.13	0.64
1:K:181:LEU:HD12	1:K:199:LEU:HD21	1.80	0.64
1:K:300:LEU:HD12	1:K:301:LEU:N	2.13	0.64
1:K:543:LEU:O	1:K:543:LEU:HD23	1.97	0.64
1:L:27:PHE:HA	1:L:30:LYS:CE	2.27	0.64
1:L:128:LEU:HD12	1:L:128:LEU:H	1.62	0.64
1:L:153:LEU:O	1:L:322:ARG:HB3	1.97	0.64
1:L:245:LEU:HD12	1:L:246:ASN:N	2.13	0.64
1:M:3:PHE:O	1:M:7:GLU:HG3	1.96	0.64
1:M:381:ILE:HB	1:M:466:TYR:HD2	1.60	0.64
1:M:381:ILE:CG2	1:M:470:HIS:HE2	2.10	0.64
1:N:35:MET:SD	1:N:45:ILE:HG13	2.36	0.64
1:N:185:ASN:O	1:N:191:THR:HG21	1.98	0.64
1:N:499:GLN:HE21	1:N:554:ILE:HG12	1.60	0.64
1:O:130:PRO:HG2	1:O:292:LEU:HD21	1.79	0.64
1:P:124:ASN:HB3	3:P:1402:DTP:HN62	1.62	0.64
1:P:153:LEU:O	1:P:322:ARG:HB3	1.97	0.64
1:A:3:PHE:O	1:A:7:GLU:HG3	1.96	0.64
1:A:198:LYS:HA	1:A:201:TYR:HD2	1.61	0.64
1:A:245:LEU:HD12	1:A:246:ASN:N	2.13	0.64
1:A:300:LEU:HD12	1:A:301:LEU:N	2.13	0.64
1:B:327:ILE:HA	1:B:345:ASN:ND2	2.13	0.64
1:C:181:LEU:HD12	1:C:199:LEU:HD21	1.80	0.64
1:C:336:ALA:HA	1:C:340:ASN:HD22	1.60	0.64
1:C:999:UNK:CA	1:C:1020:UNK:HA	2.26	0.64
1:D:543:LEU:O	1:D:543:LEU:HD23	1.97	0.64
1:E:381:ILE:CG2	1:E:470:HIS:HE2	2.10	0.64
1:G:87:PHE:CG	1:O:19:PHE:HE2	2.14	0.64
1:G:130:PRO:HG2	1:G:292:LEU:HD21	1.79	0.64
1:H:268:PHE:CZ	1:H:270:GLN:HB2	2.31	0.64
1:H:350:THR:O	1:H:353:ILE:HG22	1.98	0.64
1:I:65:LEU:HD13	1:I:72:MET:HE2	1.79	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:124:ASN:HB3	3:I:1402:DTP:HN62	1.62	0.64
1:I:195:MET:HA	1:I:198:LYS:HE3	1.79	0.64
1:J:336:ALA:HA	1:J:340:ASN:HD22	1.60	0.64
1:J:543:LEU:O	1:J:543:LEU:HD23	1.97	0.64
1:K:458:LEU:O	1:K:460:PRO:HD3	1.98	0.64
1:L:120:PHE:CD1	1:L:122:LYS:HA	2.31	0.64
1:L:327:ILE:HA	1:L:345:ASN:ND2	2.13	0.64
1:L:563:ARG:HG2	1:L:1038:UNK:C	2.28	0.64
1:M:197:GLN:HE22	1:N:219:LEU:CD1	1.91	0.64
1:N:7:GLU:CD	1:N:107:ILE:HB	2.17	0.64
1:N:268:PHE:CZ	1:N:270:GLN:HB2	2.31	0.64
1:N:458:LEU:O	1:N:460:PRO:HD3	1.98	0.64
1:O:65:LEU:HD13	1:O:72:MET:HE2	1.78	0.64
1:P:364:GLU:HG2	1:P:401:VAL:HG11	1.80	0.64
1:A:192:VAL:CG1	1:A:251:LYS:HD3	2.25	0.64
1:B:120:PHE:CD1	1:B:122:LYS:HA	2.31	0.64
1:C:3:PHE:O	1:C:7:GLU:HG3	1.96	0.64
1:C:124:ASN:HB3	3:C:1402:DTP:HN62	1.62	0.64
1:C:268:PHE:CZ	1:C:270:GLN:HB2	2.31	0.64
1:C:298:LYS:HD2	1:C:312:LEU:CD2	2.17	0.64
1:C:999:UNK:CB	1:C:1020:UNK:HA	2.28	0.64
1:D:336:ALA:HA	1:D:340:ASN:HD22	1.60	0.64
1:D:475:LEU:HD23	1:D:478:ILE:HD11	1.79	0.64
1:E:124:ASN:HB3	3:E:1402:DTP:HN62	1.62	0.64
1:E:195:MET:HA	1:E:198:LYS:HE3	1.79	0.64
1:F:88:LEU:N	1:F:88:LEU:HD22	2.13	0.64
1:F:130:PRO:HG2	1:F:292:LEU:HD21	1.79	0.64
1:F:185:ASN:O	1:F:191:THR:HG21	1.98	0.64
1:F:999:UNK:CB	1:F:1020:UNK:HA	2.28	0.64
1:G:245:LEU:HD12	1:G:246:ASN:N	2.13	0.64
1:H:360:LEU:HD21	1:H:405:LEU:CD1	2.21	0.64
1:J:27:PHE:HA	1:J:30:LYS:CE	2.27	0.64
1:J:475:LEU:HD23	1:J:478:ILE:HD11	1.79	0.64
1:K:124:ASN:HB3	3:K:1402:DTP:HN62	1.62	0.64
1:K:449:ILE:HD12	1:K:450:PRO:HD3	1.77	0.64
1:K:999:UNK:CA	1:K:1020:UNK:HA	2.26	0.64
1:K:999:UNK:CB	1:K:1020:UNK:HA	2.28	0.64
1:L:458:LEU:O	1:L:460:PRO:HD3	1.98	0.64
1:M:1:MET:HE1	1:M:65:LEU:HD12	1.79	0.64
1:M:175:ASP:OD2	1:M:241:LEU:HB2	1.97	0.64
1:M:300:LEU:HD12	1:M:301:LEU:N	2.13	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:350:THR:O	1:N:353:ILE:HG22	1.98	0.64
1:O:253:TRP:HE3	1:O:275:LEU:CG	2.08	0.64
1:P:88:LEU:N	1:P:88:LEU:HD22	2.13	0.64
1:P:130:PRO:HG2	1:P:292:LEU:HD21	1.79	0.64
1:P:185:ASN:O	1:P:191:THR:HG21	1.98	0.64
1:A:1:MET:HE1	1:A:65:LEU:CD1	2.28	0.64
1:A:88:LEU:N	1:A:88:LEU:HD22	2.13	0.64
1:A:381:ILE:HB	1:A:466:TYR:HD2	1.60	0.64
1:A:475:LEU:HD23	1:A:478:ILE:HD11	1.79	0.64
1:B:1:MET:HE1	1:B:65:LEU:CD1	2.27	0.64
1:B:300:LEU:HD12	1:B:301:LEU:N	2.13	0.64
1:B:458:LEU:O	1:B:460:PRO:HD3	1.98	0.64
1:B:999:UNK:CB	1:B:1020:UNK:HA	2.28	0.64
1:C:372:LEU:HD12	1:C:422:ILE:HG22	1.79	0.64
1:C:449:ILE:HD12	1:C:450:PRO:HD3	1.77	0.64
1:C:458:LEU:O	1:C:460:PRO:HD3	1.98	0.64
1:D:27:PHE:HA	1:D:30:LYS:CE	2.27	0.64
1:D:141:LEU:CD1	1:D:145:LYS:HB3	2.28	0.64
1:E:56:SER:HA	1:E:128:LEU:HD23	1.80	0.64
1:E:429:LEU:HD13	1:E:429:LEU:O	1.98	0.64
1:E:563:ARG:HD2	1:E:1039:UNK:CB	2.28	0.64
1:F:563:ARG:HD2	1:F:1039:UNK:CB	2.28	0.64
1:G:128:LEU:HD12	1:G:128:LEU:N	2.13	0.64
1:G:286:ASP:OD2	1:G:288:HIS:HB3	1.97	0.64
1:G:475:LEU:HD23	1:G:478:ILE:HD11	1.79	0.64
1:H:381:ILE:CG2	1:H:470:HIS:HE2	2.10	0.64
1:I:429:LEU:HD13	1:I:429:LEU:O	1.98	0.64
1:I:563:ARG:HD2	1:I:1039:UNK:CB	2.28	0.64
1:J:268:PHE:CZ	1:J:270:GLN:HB2	2.31	0.64
1:K:45:ILE:HG12	1:K:49:ILE:HD11	1.78	0.64
1:K:268:PHE:CZ	1:K:270:GLN:HB2	2.31	0.64
1:K:522:LYS:O	1:K:526:PRO:HD2	1.96	0.64
1:L:1:MET:HE1	1:L:65:LEU:CD1	2.27	0.64
1:L:372:LEU:HD12	1:L:422:ILE:HG22	1.79	0.64
1:L:999:UNK:CB	1:L:1020:UNK:HA	2.28	0.64
1:M:88:LEU:N	1:M:88:LEU:HD22	2.13	0.64
1:M:185:ASN:O	1:M:191:THR:HG21	1.98	0.64
1:M:198:LYS:HA	1:M:201:TYR:HD2	1.62	0.64
1:M:245:LEU:HD12	1:M:246:ASN:N	2.13	0.64
1:M:475:LEU:HD23	1:M:478:ILE:HD11	1.79	0.64
1:N:300:LEU:HD12	1:N:301:LEU:N	2.13	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:364:GLU:HG2	1:N:401:VAL:HG11	1.80	0.64
1:O:286:ASP:OD2	1:O:288:HIS:HB3	1.97	0.64
1:O:475:LEU:HD23	1:O:478:ILE:HD11	1.79	0.64
1:P:27:PHE:HA	1:P:30:LYS:CD	2.26	0.64
1:P:563:ARG:HD2	1:P:1039:UNK:CB	2.28	0.64
1:P:999:UNK:CB	1:P:1020:UNK:HA	2.28	0.64
1:A:181:LEU:HD12	1:A:199:LEU:HD21	1.80	0.64
1:A:185:ASN:O	1:A:191:THR:HG21	1.98	0.64
1:A:197:GLN:HE22	1:H:219:LEU:CD1	1.91	0.64
1:B:372:LEU:HD12	1:B:422:ILE:HG22	1.79	0.64
1:B:429:LEU:HD13	1:B:429:LEU:O	1.98	0.64
1:C:45:ILE:HG12	1:C:49:ILE:HD11	1.78	0.64
1:C:245:LEU:HD12	1:C:246:ASN:N	2.13	0.64
1:C:262:ILE:HG21	1:C:264:LEU:HG	1.79	0.64
1:D:268:PHE:CZ	1:D:270:GLN:HB2	2.31	0.64
1:D:301:LEU:HD11	1:D:305:LEU:CD1	2.27	0.64
1:D:1079:UNK:HA	1:D:1086:UNK:HA	1.79	0.64
1:E:7:GLU:HG2	1:E:107:ILE:CB	2.24	0.64
1:E:175:ASP:OD2	1:E:241:LEU:HB2	1.97	0.64
1:F:27:PHE:HA	1:F:30:LYS:CD	2.26	0.64
1:F:198:LYS:HA	1:F:201:TYR:HD2	1.61	0.64
1:F:488:ARG:HA	1:F:491:PHE:N	2.09	0.64
1:G:999:UNK:CB	1:G:1020:UNK:HA	2.28	0.64
1:H:300:LEU:HD12	1:H:301:LEU:N	2.13	0.64
1:H:364:GLU:HG2	1:H:401:VAL:HG11	1.80	0.64
1:I:56:SER:HA	1:I:128:LEU:HD23	1.80	0.64
1:J:141:LEU:CD1	1:J:145:LYS:HB3	2.28	0.64
1:J:193:LEU:CG	1:J:221:ILE:HG22	2.26	0.64
1:J:1079:UNK:HA	1:J:1086:UNK:HA	1.79	0.64
1:K:245:LEU:HD12	1:K:246:ASN:N	2.13	0.64
1:K:336:ALA:HA	1:K:340:ASN:HD22	1.60	0.64
1:K:372:LEU:HD12	1:K:422:ILE:HG22	1.79	0.64
1:L:300:LEU:HD12	1:L:301:LEU:N	2.13	0.64
1:L:350:THR:O	1:L:354:GLU:HG2	1.98	0.64
1:L:429:LEU:HD13	1:L:429:LEU:O	1.98	0.64
1:L:999:UNK:CA	1:L:1020:UNK:HA	2.26	0.64
1:M:181:LEU:HD12	1:M:199:LEU:HD21	1.80	0.64
1:M:192:VAL:CG1	1:M:251:LYS:HD3	2.25	0.64
1:M:999:UNK:CB	1:M:1020:UNK:HA	2.28	0.64
1:O:128:LEU:HD12	1:O:128:LEU:N	2.13	0.64
1:O:245:LEU:HD12	1:O:246:ASN:N	2.13	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:999:UNK:CB	1:O:1020:UNK:HA	2.28	0.64
1:P:198:LYS:HA	1:P:201:TYR:HD2	1.61	0.64
1:A:124:ASN:HB3	3:A:1402:DTP:HN62	1.62	0.64
1:A:178:ILE:HD13	1:A:179:PHE:N	2.13	0.64
1:A:999:UNK:CB	1:A:1020:UNK:HA	2.28	0.64
1:B:124:ASN:HB3	3:B:1402:DTP:HN62	1.62	0.64
1:B:301:LEU:HD11	1:B:305:LEU:CD1	2.27	0.64
1:B:350:THR:O	1:B:354:GLU:HG2	1.98	0.64
1:B:999:UNK:CA	1:B:1020:UNK:HA	2.26	0.64
1:C:541:ALA:HB1	1:C:571:GLU:HG2	1.80	0.64
1:D:88:LEU:N	1:D:88:LEU:HD22	2.13	0.64
1:D:181:LEU:HD12	1:D:199:LEU:HD21	1.80	0.64
1:D:193:LEU:CG	1:D:221:ILE:HG22	2.26	0.64
1:D:563:ARG:HD2	1:D:1039:UNK:CB	2.28	0.64
1:E:458:LEU:O	1:E:460:PRO:HD3	1.98	0.64
1:E:999:UNK:CB	1:E:1020:UNK:HA	2.28	0.64
1:F:195:MET:HA	1:F:198:LYS:HE3	1.79	0.64
1:F:300:LEU:HD12	1:F:301:LEU:N	2.13	0.64
1:F:350:THR:O	1:F:353:ILE:HG22	1.98	0.64
1:G:253:TRP:HE3	1:G:275:LEU:CG	2.08	0.64
1:G:563:ARG:HD2	1:G:1039:UNK:CB	2.28	0.64
1:H:181:LEU:HD12	1:H:199:LEU:HD21	1.80	0.64
1:H:245:LEU:HD12	1:H:246:ASN:N	2.13	0.64
1:H:429:LEU:HD13	1:H:429:LEU:O	1.98	0.64
1:H:484:MET:CE	1:H:535:TYR:HE1	2.11	0.64
1:I:88:LEU:N	1:I:88:LEU:HD22	2.13	0.64
1:I:123:TYR:HB2	1:I:304:TYR:H	1.61	0.64
1:I:175:ASP:OD2	1:I:241:LEU:HB2	1.97	0.64
1:I:219:LEU:CD1	1:P:197:GLN:HE22	1.91	0.64
1:I:999:UNK:CB	1:I:1020:UNK:HA	2.28	0.64
1:J:56:SER:HA	1:J:128:LEU:HD23	1.80	0.64
1:J:301:LEU:HD11	1:J:305:LEU:CD1	2.27	0.64
1:K:128:LEU:H	1:K:128:LEU:HD12	1.62	0.64
1:K:262:ILE:HG21	1:K:264:LEU:HG	1.79	0.64
1:L:124:ASN:HB3	3:L:1402:DTP:HN62	1.62	0.64
1:L:128:LEU:HD12	1:L:128:LEU:N	2.13	0.64
1:M:178:ILE:HD13	1:M:179:PHE:N	2.13	0.64
1:M:195:MET:HA	1:M:198:LYS:HE3	1.79	0.64
1:N:181:LEU:HD12	1:N:199:LEU:HD21	1.80	0.64
1:N:245:LEU:HD12	1:N:246:ASN:N	2.13	0.64
1:N:381:ILE:CG2	1:N:470:HIS:HE2	2.10	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:429:LEU:O	1:N:429:LEU:HD13	1.98	0.64
1:N:484:MET:CE	1:N:535:TYR:HE1	2.11	0.64
1:O:563:ARG:HD2	1:O:1039:UNK:CB	2.28	0.64
1:P:300:LEU:HD12	1:P:301:LEU:N	2.13	0.64
1:P:350:THR:O	1:P:353:ILE:HG22	1.98	0.64
1:P:381:ILE:CG2	1:P:470:HIS:HE2	2.10	0.64
1:A:195:MET:HA	1:A:198:LYS:HE3	1.79	0.64
1:A:429:LEU:HD13	1:A:429:LEU:O	1.98	0.64
1:B:3:PHE:O	1:B:7:GLU:HG3	1.96	0.64
1:B:128:LEU:HD12	1:B:128:LEU:N	2.13	0.64
1:B:185:ASN:O	1:B:191:THR:HG21	1.98	0.64
1:C:128:LEU:H	1:C:128:LEU:HD12	1.62	0.64
1:C:364:GLU:HG2	1:C:401:VAL:HG11	1.80	0.64
1:C:563:ARG:HD2	1:C:1039:UNK:CB	2.28	0.64
1:D:999:UNK:CB	1:D:1020:UNK:HA	2.28	0.64
1:E:88:LEU:N	1:E:88:LEU:HD22	2.13	0.64
1:E:123:TYR:HB2	1:E:304:TYR:H	1.61	0.64
1:E:130:PRO:HG2	1:E:292:LEU:HD21	1.79	0.64
1:E:219:LEU:CD1	1:F:197:GLN:HE22	1.91	0.64
1:E:563:ARG:HG2	1:E:1038:UNK:C	2.28	0.64
1:F:7:GLU:HG2	1:F:107:ILE:CB	2.24	0.64
1:F:35:MET:N	1:F:36:PRO:CD	2.59	0.64
1:F:79:GLU:O	1:F:83:ILE:HG12	1.97	0.64
1:F:286:ASP:OD2	1:F:288:HIS:HB3	1.97	0.64
1:G:185:ASN:O	1:G:191:THR:HG21	1.98	0.64
1:G:327:ILE:HA	1:G:345:ASN:ND2	2.13	0.64
1:G:458:LEU:O	1:G:460:PRO:HD3	1.98	0.64
1:I:7:GLU:HG2	1:I:107:ILE:CB	2.24	0.64
1:I:130:PRO:HG2	1:I:292:LEU:HD21	1.79	0.64
1:I:563:ARG:HG2	1:I:1038:UNK:C	2.28	0.64
1:J:88:LEU:N	1:J:88:LEU:HD22	2.13	0.64
1:J:181:LEU:HD12	1:J:199:LEU:HD21	1.80	0.64
1:J:350:THR:O	1:J:353:ILE:HG22	1.98	0.64
1:J:360:LEU:HD21	1:J:405:LEU:CD1	2.21	0.64
1:J:563:ARG:HD2	1:J:1039:UNK:CB	2.28	0.64
1:J:999:UNK:CB	1:J:1020:UNK:HA	2.28	0.64
1:M:124:ASN:HB3	3:M:1402:DTP:HN62	1.62	0.64
1:N:301:LEU:HD11	1:N:305:LEU:CD1	2.27	0.64
1:N:360:LEU:HD21	1:N:405:LEU:CD1	2.21	0.64
1:O:125:VAL:HG12	1:O:300:LEU:CD2	2.28	0.64
1:O:175:ASP:OD2	1:O:241:LEU:HB2	1.97	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:429:LEU:HD13	1:O:429:LEU:O	1.98	0.64
1:O:458:LEU:O	1:O:460:PRO:HD3	1.98	0.64
1:P:7:GLU:HG2	1:P:107:ILE:CB	2.24	0.64
1:P:79:GLU:O	1:P:83:ILE:HG12	1.97	0.64
1:P:128:LEU:HD12	1:P:128:LEU:N	2.13	0.64
1:P:195:MET:HA	1:P:198:LYS:HE3	1.79	0.64
1:P:286:ASP:OD2	1:P:288:HIS:HB3	1.97	0.64
1:P:327:ILE:HA	1:P:345:ASN:ND2	2.13	0.64
1:A:563:ARG:HG2	1:A:1038:UNK:C	2.28	0.64
1:B:130:PRO:HG2	1:B:292:LEU:HD21	1.79	0.64
1:C:128:LEU:HD12	1:C:128:LEU:N	2.13	0.64
1:C:142:ARG:HB2	1:C:142:ARG:NH1	2.13	0.64
1:C:475:LEU:HD23	1:C:478:ILE:HD11	1.79	0.64
1:D:56:SER:HA	1:D:128:LEU:HD23	1.80	0.64
1:D:350:THR:O	1:D:353:ILE:HG22	1.98	0.64
1:D:541:ALA:HB1	1:D:571:GLU:HG2	1.80	0.64
1:E:45:ILE:HG12	1:E:49:ILE:HD11	1.78	0.64
1:E:128:LEU:HD12	1:E:128:LEU:N	2.13	0.64
1:E:153:LEU:O	1:E:322:ARG:HB3	1.97	0.64
1:E:475:LEU:HD23	1:E:478:ILE:HD11	1.79	0.64
1:E:1079:UNK:HA	1:E:1086:UNK:HA	1.79	0.64
1:F:125:VAL:HG12	1:F:300:LEU:CD2	2.28	0.64
1:F:327:ILE:HA	1:F:345:ASN:ND2	2.13	0.64
1:F:381:ILE:CG2	1:F:470:HIS:HE2	2.10	0.64
1:G:125:VAL:HG12	1:G:300:LEU:CD2	2.28	0.64
1:G:175:ASP:OD2	1:G:241:LEU:HB2	1.97	0.64
1:G:300:LEU:HD12	1:G:301:LEU:N	2.13	0.64
1:G:429:LEU:HD13	1:G:429:LEU:O	1.98	0.64
1:G:1079:UNK:HA	1:G:1086:UNK:HA	1.79	0.64
1:H:142:ARG:HB2	1:H:142:ARG:NH1	2.13	0.64
1:H:198:LYS:HA	1:H:201:TYR:HD2	1.61	0.64
1:H:301:LEU:HD11	1:H:305:LEU:CD1	2.27	0.64
1:I:45:ILE:HG12	1:I:49:ILE:HD11	1.78	0.64
1:I:458:LEU:O	1:I:460:PRO:HD3	1.98	0.64
1:I:475:LEU:HD23	1:I:478:ILE:HD11	1.79	0.64
1:J:175:ASP:OD2	1:J:241:LEU:HB2	1.97	0.64
1:K:142:ARG:HB2	1:K:142:ARG:NH1	2.13	0.64
1:K:178:ILE:HD13	1:K:179:PHE:N	2.13	0.64
1:K:364:GLU:HG2	1:K:401:VAL:HG11	1.80	0.64
1:K:475:LEU:HD23	1:K:478:ILE:HD11	1.79	0.64
1:K:541:ALA:HB1	1:K:571:GLU:HG2	1.80	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:563:ARG:HD2	1:K:1039:UNK:CB	2.28	0.64
1:L:1:MET:HE1	1:L:65:LEU:HD12	1.79	0.64
1:L:185:ASN:O	1:L:191:THR:HG21	1.98	0.64
1:L:301:LEU:HD11	1:L:305:LEU:CD1	2.27	0.64
1:M:216:ASN:H	1:M:216:ASN:HD21	1.46	0.64
1:M:429:LEU:HD13	1:M:429:LEU:O	1.98	0.64
1:M:484:MET:CE	1:M:535:TYR:HE1	2.11	0.64
1:M:563:ARG:HG2	1:M:1038:UNK:C	2.28	0.64
1:N:142:ARG:HB2	1:N:142:ARG:NH1	2.13	0.64
1:N:372:LEU:HD12	1:N:422:ILE:HG22	1.79	0.64
1:O:300:LEU:HD12	1:O:301:LEU:N	2.13	0.64
1:O:327:ILE:HA	1:O:345:ASN:ND2	2.13	0.64
1:P:125:VAL:HG12	1:P:300:LEU:CD2	2.28	0.64
1:P:488:ARG:HA	1:P:491:PHE:N	2.09	0.64
1:A:1:MET:HE1	1:A:65:LEU:HD12	1.80	0.63
1:A:135:ARG:HD2	1:A:168:TYR:OH	1.98	0.63
1:A:216:ASN:H	1:A:216:ASN:HD21	1.46	0.63
1:A:484:MET:CE	1:A:535:TYR:HE1	2.11	0.63
1:B:1:MET:HE1	1:B:65:LEU:HD12	1.79	0.63
1:B:7:GLU:HG3	1:B:107:ILE:HD13	1.80	0.63
1:B:541:ALA:HB1	1:B:571:GLU:HG2	1.80	0.63
1:C:7:GLU:HG3	1:C:107:ILE:HD13	1.81	0.63
1:C:130:PRO:HG2	1:C:292:LEU:HD21	1.79	0.63
1:C:178:ILE:HD13	1:C:179:PHE:N	2.13	0.63
1:C:185:ASN:O	1:C:191:THR:HG21	1.98	0.63
1:C:416:LYS:HG3	1:C:417:GLU:N	2.10	0.63
1:D:175:ASP:OD2	1:D:241:LEU:HB2	1.97	0.63
1:D:216:ASN:H	1:D:216:ASN:HD21	1.46	0.63
1:F:128:LEU:HD12	1:F:128:LEU:N	2.13	0.63
1:G:381:ILE:CG2	1:G:470:HIS:HE2	2.10	0.63
1:G:528:ILE:HD13	1:G:529:CYS:H	1.61	0.63
1:I:128:LEU:HD12	1:I:128:LEU:N	2.13	0.63
1:I:153:LEU:O	1:I:322:ARG:HB3	1.97	0.63
1:I:350:THR:O	1:I:353:ILE:HG22	1.98	0.63
1:I:1079:UNK:HA	1:I:1086:UNK:HA	1.79	0.63
1:J:153:LEU:O	1:J:322:ARG:HB3	1.97	0.63
1:J:216:ASN:HD21	1:J:216:ASN:H	1.46	0.63
1:J:245:LEU:HD12	1:J:246:ASN:N	2.13	0.63
1:J:541:ALA:HB1	1:J:571:GLU:HG2	1.80	0.63
1:K:7:GLU:HG3	1:K:107:ILE:HD13	1.80	0.63
1:K:128:LEU:HD12	1:K:128:LEU:N	2.13	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:3:PHE:O	1:L:7:GLU:HG3	1.96	0.63
1:L:7:GLU:HG3	1:L:107:ILE:HD13	1.80	0.63
1:L:40:LEU:HD22	1:L:48:ILE:HD11	1.69	0.63
1:L:130:PRO:HG2	1:L:292:LEU:HD21	1.79	0.63
1:M:135:ARG:HD2	1:M:168:TYR:OH	1.98	0.63
1:M:350:THR:O	1:M:353:ILE:HG22	1.98	0.63
1:N:130:PRO:HG2	1:N:292:LEU:HD21	1.79	0.63
1:O:185:ASN:O	1:O:191:THR:HG21	1.98	0.63
1:O:563:ARG:HG2	1:O:1038:UNK:C	2.28	0.63
1:O:1079:UNK:HA	1:O:1086:UNK:HA	1.79	0.63
1:P:35:MET:N	1:P:36:PRO:CD	2.59	0.63
1:P:123:TYR:CE2	1:P:303:LYS:HG2	2.33	0.63
1:P:142:ARG:HB2	1:P:142:ARG:NH1	2.13	0.63
1:A:327:ILE:HA	1:A:345:ASN:ND2	2.13	0.63
1:C:127:ARG:HB3	1:C:130:PRO:HD2	1.81	0.63
1:C:135:ARG:HD2	1:C:168:TYR:OH	1.98	0.63
1:C:350:THR:O	1:C:354:GLU:HG2	1.98	0.63
1:D:153:LEU:O	1:D:322:ARG:HB3	1.97	0.63
1:D:300:LEU:HD12	1:D:301:LEU:N	2.13	0.63
1:E:123:TYR:CE2	1:E:303:LYS:HG2	2.33	0.63
1:E:350:THR:O	1:E:353:ILE:HG22	1.98	0.63
1:E:541:ALA:HB1	1:E:571:GLU:HG2	1.80	0.63
1:F:123:TYR:CE2	1:F:303:LYS:HG2	2.33	0.63
1:F:142:ARG:HB2	1:F:142:ARG:NH1	2.13	0.63
1:F:245:LEU:HD12	1:F:246:ASN:N	2.13	0.63
1:G:148:LEU:CD1	1:G:253:TRP:HH2	2.02	0.63
1:G:416:LYS:HG3	1:G:417:GLU:N	2.10	0.63
1:G:563:ARG:HG2	1:G:1038:UNK:C	2.28	0.63
1:H:7:GLU:HG3	1:H:107:ILE:HD13	1.80	0.63
1:H:125:VAL:HG12	1:H:300:LEU:CD2	2.28	0.63
1:H:130:PRO:HG2	1:H:292:LEU:HD21	1.79	0.63
1:H:135:ARG:HD2	1:H:168:TYR:OH	1.98	0.63
1:H:216:ASN:H	1:H:216:ASN:HD21	1.46	0.63
1:H:999:UNK:CB	1:H:1020:UNK:HA	2.28	0.63
1:H:1079:UNK:HA	1:H:1086:UNK:HA	1.79	0.63
1:I:79:GLU:O	1:I:83:ILE:HG12	1.97	0.63
1:I:216:ASN:H	1:I:216:ASN:HD21	1.46	0.63
1:I:327:ILE:HA	1:I:345:ASN:ND2	2.13	0.63
1:I:541:ALA:HB1	1:I:571:GLU:HG2	1.80	0.63
1:J:185:ASN:O	1:J:191:THR:HG21	1.98	0.63
1:K:350:THR:O	1:K:353:ILE:HG22	1.98	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:178:ILE:HD13	1:L:179:PHE:N	2.13	0.63
1:L:484:MET:CE	1:L:535:TYR:HE1	2.11	0.63
1:L:541:ALA:HB1	1:L:571:GLU:HG2	1.80	0.63
1:M:364:GLU:HG2	1:M:401:VAL:HG11	1.80	0.63
1:N:88:LEU:N	1:N:88:LEU:HD22	2.13	0.63
1:N:125:VAL:HG12	1:N:300:LEU:CD2	2.28	0.63
1:N:135:ARG:HD2	1:N:168:TYR:OH	1.98	0.63
1:N:198:LYS:HA	1:N:201:TYR:HD2	1.61	0.63
1:N:216:ASN:HD21	1:N:216:ASN:H	1.46	0.63
1:N:999:UNK:CB	1:N:1020:UNK:HA	2.28	0.63
1:P:65:LEU:CD1	1:P:72:MET:HE2	2.28	0.63
1:P:563:ARG:HG2	1:P:1038:UNK:C	2.28	0.63
1:A:7:GLU:HG3	1:A:107:ILE:HD13	1.81	0.63
1:A:60:ARG:HH21	1:A:128:LEU:CD1	2.12	0.63
1:A:350:THR:O	1:A:353:ILE:HG22	1.98	0.63
1:A:360:LEU:HD21	1:A:405:LEU:CD1	2.21	0.63
1:A:364:GLU:HG2	1:A:401:VAL:HG11	1.80	0.63
1:B:178:ILE:HD13	1:B:179:PHE:N	2.13	0.63
1:B:350:THR:O	1:B:353:ILE:HG22	1.98	0.63
1:B:484:MET:CE	1:B:535:TYR:HE1	2.11	0.63
1:C:125:VAL:HG12	1:C:300:LEU:CD2	2.28	0.63
1:C:216:ASN:H	1:C:216:ASN:HD21	1.46	0.63
1:C:350:THR:O	1:C:353:ILE:HG22	1.98	0.63
1:D:183:LEU:HD21	1:D:244:LEU:HB3	1.81	0.63
1:D:245:LEU:HD12	1:D:246:ASN:N	2.13	0.63
1:D:298:LYS:HD2	1:D:312:LEU:CD2	2.17	0.63
1:E:60:ARG:HH21	1:E:128:LEU:CD1	2.12	0.63
1:E:125:VAL:HG12	1:E:300:LEU:CD2	2.28	0.63
1:E:141:LEU:CD1	1:E:145:LYS:HB3	2.28	0.63
1:E:142:ARG:HB2	1:E:142:ARG:NH1	2.13	0.63
1:E:181:LEU:HD12	1:E:199:LEU:HD21	1.80	0.63
1:E:216:ASN:H	1:E:216:ASN:HD21	1.46	0.63
1:E:262:ILE:HG21	1:E:264:LEU:HG	1.79	0.63
1:E:372:LEU:HD12	1:E:422:ILE:HG22	1.79	0.63
1:E:488:ARG:HA	1:E:491:PHE:N	2.09	0.63
1:F:484:MET:CE	1:F:535:TYR:HE1	2.11	0.63
1:F:563:ARG:HG2	1:F:1038:UNK:C	2.28	0.63
1:G:7:GLU:HG3	1:G:107:ILE:HD13	1.81	0.63
1:G:193:LEU:HD21	1:G:221:ILE:CG2	2.29	0.63
1:G:484:MET:CE	1:G:535:TYR:HE1	2.11	0.63
1:H:88:LEU:N	1:H:88:LEU:HD22	2.13	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:372:LEU:HD12	1:H:422:ILE:HG22	1.79	0.63
1:I:60:ARG:HH21	1:I:128:LEU:CD1	2.12	0.63
1:I:123:TYR:CE2	1:I:303:LYS:HG2	2.33	0.63
1:I:181:LEU:HD12	1:I:199:LEU:HD21	1.80	0.63
1:I:262:ILE:HG21	1:I:264:LEU:HG	1.79	0.63
1:I:372:LEU:HD12	1:I:422:ILE:HG22	1.79	0.63
1:J:123:TYR:CE2	1:J:303:LYS:HG2	2.33	0.63
1:J:183:LEU:HD21	1:J:244:LEU:HB3	1.81	0.63
1:K:125:VAL:HG12	1:K:300:LEU:CD2	2.28	0.63
1:K:127:ARG:HB3	1:K:130:PRO:HD2	1.81	0.63
1:K:130:PRO:HG2	1:K:292:LEU:HD21	1.79	0.63
1:K:135:ARG:HD2	1:K:168:TYR:OH	1.98	0.63
1:K:185:ASN:O	1:K:191:THR:HG21	1.98	0.63
1:K:216:ASN:H	1:K:216:ASN:HD21	1.46	0.63
1:K:350:THR:O	1:K:354:GLU:HG2	1.98	0.63
1:K:416:LYS:HG3	1:K:417:GLU:N	2.10	0.63
1:L:135:ARG:HD2	1:L:168:TYR:OH	1.98	0.63
1:L:256:PHE:HD2	1:L:262:ILE:HG13	1.60	0.63
1:L:364:GLU:HG2	1:L:401:VAL:HG11	1.80	0.63
1:M:7:GLU:HG3	1:M:107:ILE:HD13	1.80	0.63
1:M:60:ARG:HH21	1:M:128:LEU:CD1	2.12	0.63
1:M:153:LEU:O	1:M:322:ARG:HB3	1.97	0.63
1:M:350:THR:O	1:M:354:GLU:HG2	1.98	0.63
1:N:7:GLU:HG3	1:N:107:ILE:HD13	1.80	0.63
1:N:327:ILE:HA	1:N:345:ASN:ND2	2.13	0.63
1:N:1079:UNK:HA	1:N:1086:UNK:HA	1.79	0.63
1:O:193:LEU:HD21	1:O:221:ILE:CG2	2.29	0.63
1:O:381:ILE:CG2	1:O:470:HIS:HE2	2.10	0.63
1:P:245:LEU:HD12	1:P:246:ASN:N	2.13	0.63
1:A:114:TYR:CG	1:H:280:THR:HG23	2.16	0.63
1:A:153:LEU:O	1:A:322:ARG:HB3	1.97	0.63
1:A:350:THR:O	1:A:354:GLU:HG2	1.98	0.63
1:A:563:ARG:HD2	1:A:1039:UNK:CB	2.28	0.63
1:B:127:ARG:HB3	1:B:130:PRO:HD2	1.81	0.63
1:B:135:ARG:HD2	1:B:168:TYR:OH	1.98	0.63
1:B:256:PHE:HD2	1:B:262:ILE:HG13	1.60	0.63
1:B:364:GLU:HG2	1:B:401:VAL:HG11	1.80	0.63
1:B:471:ILE:HG23	1:B:472:GLY:N	2.14	0.63
1:D:123:TYR:CE2	1:D:303:LYS:HG2	2.33	0.63
1:D:185:ASN:O	1:D:191:THR:HG21	1.98	0.63
1:D:327:ILE:HA	1:D:345:ASN:ND2	2.13	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:429:LEU:HD13	1:D:429:LEU:O	1.98	0.63
1:E:79:GLU:O	1:E:83:ILE:HG12	1.97	0.63
1:E:286:ASP:OD2	1:E:288:HIS:HB3	1.97	0.63
1:E:327:ILE:HA	1:E:345:ASN:ND2	2.13	0.63
1:F:148:LEU:CD1	1:F:253:TRP:HH2	2.02	0.63
1:F:262:ILE:HG21	1:F:264:LEU:HG	1.79	0.63
1:G:123:TYR:CE2	1:G:303:LYS:HG2	2.33	0.63
1:G:178:ILE:HD13	1:G:179:PHE:N	2.13	0.63
1:G:198:LYS:HA	1:G:201:TYR:HD2	1.61	0.63
1:H:175:ASP:OD2	1:H:241:LEU:HB2	1.97	0.63
1:H:193:LEU:HD21	1:H:221:ILE:CG2	2.29	0.63
1:H:253:TRP:CE3	1:H:275:LEU:HG	2.26	0.63
1:H:327:ILE:HA	1:H:345:ASN:ND2	2.13	0.63
1:H:350:THR:O	1:H:354:GLU:HG2	1.98	0.63
1:I:125:VAL:HG12	1:I:300:LEU:CD2	2.28	0.63
1:I:142:ARG:HB2	1:I:142:ARG:NH1	2.13	0.63
1:I:245:LEU:HD12	1:I:246:ASN:N	2.13	0.63
1:J:300:LEU:HD12	1:J:301:LEU:N	2.13	0.63
1:L:350:THR:O	1:L:353:ILE:HG22	1.98	0.63
1:L:471:ILE:HG23	1:L:472:GLY:N	2.14	0.63
1:M:327:ILE:HA	1:M:345:ASN:ND2	2.13	0.63
1:M:563:ARG:HD2	1:M:1039:UNK:CB	2.28	0.63
1:N:175:ASP:OD2	1:N:241:LEU:HB2	1.97	0.63
1:N:563:ARG:HG2	1:N:1038:UNK:C	2.28	0.63
1:O:7:GLU:HG3	1:O:107:ILE:HD13	1.80	0.63
1:O:178:ILE:HD13	1:O:179:PHE:N	2.13	0.63
1:O:484:MET:CE	1:O:535:TYR:HE1	2.11	0.63
1:P:484:MET:CE	1:P:535:TYR:HE1	2.11	0.63
1:P:1079:UNK:HA	1:P:1086:UNK:HA	1.79	0.63
1:B:563:ARG:HD2	1:B:1039:UNK:CB	2.28	0.63
1:D:141:LEU:CD1	1:E:3:PHE:HE2	2.12	0.63
1:D:277:ALA:HB1	1:E:120:PHE:N	2.12	0.63
1:E:127:ARG:HB3	1:E:130:PRO:HD2	1.81	0.63
1:E:484:MET:CE	1:E:535:TYR:HE1	2.11	0.63
1:E:562:LEU:HD11	1:E:580:GLN:HG3	1.81	0.63
1:G:181:LEU:HD12	1:G:199:LEU:HD21	1.80	0.63
1:G:216:ASN:H	1:G:216:ASN:HD21	1.46	0.63
1:H:56:SER:HA	1:H:128:LEU:HD23	1.80	0.63
1:H:563:ARG:HG2	1:H:1038:UNK:C	2.28	0.63
1:I:127:ARG:HB3	1:I:130:PRO:HD2	1.81	0.63
1:I:141:LEU:CD1	1:I:145:LYS:HB3	2.28	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:300:LEU:HD12	1:I:301:LEU:N	2.13	0.63
1:J:327:ILE:HA	1:J:345:ASN:ND2	2.13	0.63
1:J:429:LEU:O	1:J:429:LEU:HD13	1.98	0.63
1:K:327:ILE:HA	1:K:345:ASN:ND2	2.13	0.63
1:L:127:ARG:HB3	1:L:130:PRO:HD2	1.81	0.63
1:L:142:ARG:HB2	1:L:142:ARG:NH1	2.13	0.63
1:M:360:LEU:HD21	1:M:405:LEU:CD1	2.21	0.63
1:N:193:LEU:HD21	1:N:221:ILE:CG2	2.29	0.63
1:N:350:THR:O	1:N:354:GLU:HG2	1.98	0.63
1:O:123:TYR:CE2	1:O:303:LYS:HG2	2.33	0.63
1:O:181:LEU:HD12	1:O:199:LEU:HD21	1.80	0.63
1:O:350:THR:O	1:O:353:ILE:HG22	1.98	0.63
1:O:416:LYS:HG3	1:O:417:GLU:N	2.10	0.63
1:O:528:ILE:HD13	1:O:529:CYS:H	1.61	0.63
1:P:183:LEU:HD21	1:P:244:LEU:HB3	1.81	0.63
1:P:262:ILE:HG21	1:P:264:LEU:HG	1.79	0.63
1:B:142:ARG:HB2	1:B:142:ARG:NH1	2.13	0.63
1:B:360:LEU:HD21	1:B:405:LEU:CD1	2.21	0.63
1:B:416:LYS:HG3	1:B:417:GLU:N	2.10	0.63
1:C:153:LEU:O	1:C:322:ARG:HB3	1.97	0.63
1:D:60:ARG:HH21	1:D:128:LEU:CD1	2.12	0.63
1:D:372:LEU:HD12	1:D:422:ILE:HG22	1.79	0.63
1:E:245:LEU:HD12	1:E:246:ASN:N	2.13	0.63
1:F:123:TYR:HB2	1:F:304:TYR:H	1.61	0.63
1:F:183:LEU:HD21	1:F:244:LEU:HB3	1.81	0.63
1:F:1079:UNK:HA	1:F:1086:UNK:HA	1.79	0.63
1:G:60:ARG:HH21	1:G:128:LEU:CD1	2.12	0.63
1:G:124:ASN:HB3	3:G:1402:DTP:HN62	1.62	0.63
1:G:350:THR:O	1:G:353:ILE:HG22	1.98	0.63
1:H:128:LEU:HD12	1:H:128:LEU:N	2.13	0.63
1:H:563:ARG:HD2	1:H:1039:UNK:CB	2.28	0.63
1:I:3:PHE:HE2	1:J:141:LEU:CD1	2.12	0.63
1:I:120:PHE:N	1:J:277:ALA:HB1	2.12	0.63
1:I:286:ASP:OD2	1:I:288:HIS:HB3	1.97	0.63
1:I:484:MET:CE	1:I:535:TYR:HE1	2.11	0.63
1:I:488:ARG:HA	1:I:491:PHE:N	2.09	0.63
1:I:562:LEU:HD11	1:I:580:GLN:HG3	1.81	0.63
1:J:127:ARG:HB3	1:J:130:PRO:HD2	1.81	0.63
1:J:372:LEU:HD12	1:J:422:ILE:HG22	1.79	0.63
1:K:471:ILE:HG23	1:K:472:GLY:N	2.14	0.63
1:L:3:PHE:HE2	1:M:141:LEU:CD1	2.12	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:183:LEU:HD21	1:L:244:LEU:HB3	1.81	0.63
1:L:563:ARG:HD2	1:L:1039:UNK:CB	2.28	0.63
1:M:253:TRP:HE3	1:M:275:LEU:CG	2.08	0.63
1:N:56:SER:HA	1:N:128:LEU:HD23	1.80	0.63
1:N:119:VAL:HG22	1:O:278:ALA:H	1.57	0.63
1:N:128:LEU:HD12	1:N:128:LEU:N	2.13	0.63
1:N:178:ILE:HD13	1:N:179:PHE:N	2.13	0.63
1:N:563:ARG:HD2	1:N:1039:UNK:CB	2.28	0.63
1:O:195:MET:HA	1:O:198:LYS:HE3	1.79	0.63
1:O:198:LYS:HA	1:O:201:TYR:HD2	1.62	0.63
1:O:216:ASN:H	1:O:216:ASN:HD21	1.46	0.63
1:P:471:ILE:HG23	1:P:472:GLY:N	2.14	0.63
1:A:56:SER:HA	1:A:128:LEU:HD23	1.80	0.63
1:A:148:LEU:CD2	1:A:264:LEU:HD13	2.29	0.63
1:B:40:LEU:HD22	1:B:48:ILE:HD11	1.69	0.63
1:B:183:LEU:HD21	1:B:244:LEU:HB3	1.81	0.63
1:B:216:ASN:HD21	1:B:216:ASN:H	1.46	0.63
1:C:327:ILE:HA	1:C:345:ASN:ND2	2.13	0.63
1:C:471:ILE:HG23	1:C:472:GLY:N	2.14	0.63
1:D:127:ARG:HB3	1:D:130:PRO:HD2	1.81	0.63
1:D:484:MET:CE	1:D:535:TYR:HE1	2.11	0.63
1:E:300:LEU:HD12	1:E:301:LEU:N	2.13	0.63
1:F:181:LEU:HD12	1:F:199:LEU:HD21	1.80	0.63
1:F:253:TRP:HE3	1:F:275:LEU:CG	2.08	0.63
1:F:458:LEU:O	1:F:460:PRO:HD3	1.98	0.63
1:F:471:ILE:HG23	1:F:472:GLY:N	2.14	0.63
1:G:88:LEU:HD22	1:G:88:LEU:N	2.13	0.63
1:G:135:ARG:HD2	1:G:168:TYR:OH	1.98	0.63
1:G:195:MET:HA	1:G:198:LYS:HE3	1.79	0.63
1:G:511:SER:N	1:G:646:UNK:HA	2.14	0.63
1:H:123:TYR:CE2	1:H:303:LYS:HG2	2.33	0.63
1:H:178:ILE:HD13	1:H:179:PHE:N	2.13	0.63
1:H:475:LEU:HD23	1:H:478:ILE:HD11	1.79	0.63
1:H:511:SER:N	1:H:646:UNK:HA	2.14	0.63
1:I:350:THR:O	1:I:354:GLU:HG2	1.98	0.63
1:J:7:GLU:HG3	1:J:107:ILE:HD13	1.80	0.63
1:J:60:ARG:HH21	1:J:128:LEU:CD1	2.12	0.63
1:J:128:LEU:HD12	1:J:128:LEU:N	2.13	0.63
1:K:60:ARG:HH21	1:K:128:LEU:CD1	2.12	0.63
1:K:123:TYR:HB2	1:K:304:TYR:H	1.61	0.63
1:L:88:LEU:N	1:L:88:LEU:HD22	2.13	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:125:VAL:HG12	1:L:300:LEU:CD2	2.28	0.63
1:L:216:ASN:H	1:L:216:ASN:HD21	1.46	0.63
1:N:60:ARG:HH21	1:N:128:LEU:CD1	2.12	0.63
1:N:511:SER:N	1:N:646:UNK:HA	2.14	0.63
1:O:1:MET:HE1	1:O:65:LEU:CD1	2.29	0.63
1:O:60:ARG:HH21	1:O:128:LEU:CD1	2.12	0.63
1:O:148:LEU:CD1	1:O:253:TRP:HH2	2.02	0.63
1:O:511:SER:N	1:O:646:UNK:HA	2.14	0.63
1:P:181:LEU:HD12	1:P:199:LEU:HD21	1.80	0.63
1:P:301:LEU:HD11	1:P:305:LEU:CD1	2.27	0.63
1:P:429:LEU:HD13	1:P:429:LEU:O	1.98	0.63
1:A:541:ALA:HB1	1:A:571:GLU:HG2	1.80	0.63
1:B:85:TYR:CE2	1:B:88:LEU:HD23	2.34	0.63
1:B:88:LEU:N	1:B:88:LEU:HD22	2.13	0.63
1:B:125:VAL:HG12	1:B:300:LEU:CD2	2.28	0.63
1:C:511:SER:N	1:C:646:UNK:HA	2.14	0.63
1:D:7:GLU:HG3	1:D:107:ILE:HD13	1.80	0.63
1:D:471:ILE:HG23	1:D:472:GLY:N	2.14	0.63
1:D:488:ARG:HA	1:D:491:PHE:N	2.09	0.63
1:E:65:LEU:HD13	1:E:72:MET:HE2	1.80	0.63
1:E:178:ILE:HD13	1:E:179:PHE:N	2.13	0.63
1:E:350:THR:O	1:E:354:GLU:HG2	1.98	0.63
1:F:175:ASP:OD2	1:F:241:LEU:HB2	1.97	0.63
1:G:123:TYR:HB2	1:G:304:TYR:H	1.61	0.63
1:G:200:LEU:HD22	1:G:208:THR:CG2	2.29	0.63
1:H:60:ARG:HH21	1:H:128:LEU:CD1	2.12	0.63
1:H:148:LEU:CD1	1:H:253:TRP:HH2	2.02	0.63
1:J:471:ILE:HG23	1:J:472:GLY:N	2.14	0.63
1:K:153:LEU:O	1:K:322:ARG:HB3	1.97	0.63
1:K:511:SER:N	1:K:646:UNK:HA	2.14	0.63
1:M:130:PRO:HG2	1:M:292:LEU:HD21	1.79	0.63
1:M:148:LEU:CD2	1:M:264:LEU:HD13	2.29	0.63
1:M:541:ALA:HB1	1:M:571:GLU:HG2	1.80	0.63
1:N:123:TYR:CE2	1:N:303:LYS:HG2	2.33	0.63
1:N:253:TRP:CE3	1:N:275:LEU:HG	2.26	0.63
1:N:475:LEU:HD23	1:N:478:ILE:HD11	1.79	0.63
1:O:135:ARG:HD2	1:O:168:TYR:OH	1.98	0.63
1:P:123:TYR:HB2	1:P:304:TYR:H	1.61	0.63
1:P:148:LEU:CD1	1:P:253:TRP:HH2	2.02	0.63
1:P:253:TRP:HE3	1:P:275:LEU:CG	2.08	0.63
1:A:123:TYR:CE2	1:A:303:LYS:HG2	2.33	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:128:LEU:HD12	1:A:128:LEU:N	2.13	0.63
1:A:130:PRO:HG2	1:A:292:LEU:HD21	1.79	0.63
1:B:475:LEU:HD23	1:B:478:ILE:HD11	1.79	0.63
1:C:60:ARG:HH21	1:C:128:LEU:CD1	2.12	0.63
1:D:128:LEU:HD12	1:D:128:LEU:N	2.13	0.63
1:D:135:ARG:HD2	1:D:168:TYR:OH	1.98	0.63
1:D:350:THR:O	1:D:354:GLU:HG2	1.98	0.63
1:F:216:ASN:HD21	1:F:216:ASN:H	1.46	0.63
1:F:301:LEU:HD11	1:F:305:LEU:CD1	2.27	0.63
1:F:360:LEU:HD21	1:F:405:LEU:CD1	2.21	0.63
1:F:391:PHE:CD1	1:F:394:ILE:HG22	2.34	0.63
1:F:429:LEU:O	1:F:429:LEU:HD13	1.98	0.63
1:H:148:LEU:CD2	1:H:264:LEU:HD13	2.29	0.63
1:I:178:ILE:HD13	1:I:179:PHE:N	2.13	0.63
1:J:484:MET:CE	1:J:535:TYR:HE1	2.11	0.63
1:K:429:LEU:HD13	1:K:429:LEU:O	1.98	0.63
1:K:484:MET:CE	1:K:535:TYR:HE1	2.11	0.63
1:L:85:TYR:CE2	1:L:88:LEU:HD23	2.34	0.63
1:L:148:LEU:CD2	1:L:264:LEU:HD13	2.29	0.63
1:L:416:LYS:HG3	1:L:417:GLU:N	2.10	0.63
1:M:56:SER:HA	1:M:128:LEU:HD23	1.80	0.63
1:M:123:TYR:CE2	1:M:303:LYS:HG2	2.33	0.63
1:N:148:LEU:CD2	1:N:264:LEU:HD13	2.29	0.63
1:N:197:GLN:HE22	1:O:219:LEU:CD1	1.91	0.63
1:O:88:LEU:HD22	1:O:88:LEU:N	2.13	0.63
1:O:124:ASN:HB3	3:O:1402:DTP:HN62	1.62	0.63
1:O:200:LEU:HD22	1:O:208:THR:CG2	2.29	0.63
1:O:262:ILE:HG21	1:O:264:LEU:HG	1.79	0.63
1:P:390:TRP:CZ2	1:P:402:VAL:HA	2.34	0.63
1:P:391:PHE:CD1	1:P:394:ILE:HG22	2.34	0.63
1:P:458:LEU:O	1:P:460:PRO:HD3	1.98	0.63
1:P:475:LEU:HD23	1:P:478:ILE:HD11	1.79	0.63
1:A:125:VAL:HG12	1:A:300:LEU:CD2	2.28	0.62
1:A:127:ARG:HB3	1:A:130:PRO:HD2	1.81	0.62
1:A:235:LYS:HB2	1:A:237:TYR:CD2	2.34	0.62
1:A:253:TRP:HE3	1:A:275:LEU:CG	2.08	0.62
1:B:79:GLU:O	1:B:83:ILE:HG12	1.97	0.62
1:B:148:LEU:CD2	1:B:264:LEU:HD13	2.29	0.62
1:B:200:LEU:HD22	1:B:208:THR:CG2	2.29	0.62
1:C:56:SER:HA	1:C:128:LEU:HD23	1.80	0.62
1:C:85:TYR:CE2	1:C:88:LEU:HD23	2.34	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:302:LEU:O	1:E:302:LEU:HD13	1.99	0.62
1:E:511:SER:N	1:E:646:UNK:HA	2.14	0.62
1:E:581:VAL:HB	1:E:1035:UNK:O	1.99	0.62
1:F:7:GLU:HG3	1:F:107:ILE:HD13	1.80	0.62
1:F:141:LEU:CD1	1:G:3:PHE:HE2	2.12	0.62
1:F:390:TRP:CZ2	1:F:402:VAL:HA	2.34	0.62
1:F:475:LEU:HD23	1:F:478:ILE:HD11	1.79	0.62
1:F:541:ALA:HB1	1:F:571:GLU:HG2	1.80	0.62
1:G:278:ALA:H	1:H:119:VAL:HG22	1.57	0.62
1:G:280:THR:HG23	1:H:114:TYR:CG	2.16	0.62
1:G:390:TRP:CD1	1:G:398:VAL:HB	2.34	0.62
1:G:391:PHE:CD1	1:G:394:ILE:HG22	2.34	0.62
1:I:511:SER:N	1:I:646:UNK:HA	2.14	0.62
1:I:581:VAL:HB	1:I:1035:UNK:O	1.99	0.62
1:J:3:PHE:HE2	1:K:141:LEU:CD1	2.12	0.62
1:J:178:ILE:HD13	1:J:179:PHE:N	2.13	0.62
1:J:511:SER:N	1:J:646:UNK:HA	2.14	0.62
1:K:85:TYR:CE2	1:K:88:LEU:HD23	2.34	0.62
1:K:123:TYR:CE2	1:K:303:LYS:HG2	2.33	0.62
1:L:391:PHE:CD1	1:L:394:ILE:HG22	2.34	0.62
1:L:475:LEU:HD23	1:L:478:ILE:HD11	1.79	0.62
1:L:581:VAL:HB	1:L:1035:UNK:O	1.99	0.62
1:M:114:TYR:CG	1:N:280:THR:HG23	2.16	0.62
1:M:120:PHE:HE1	1:M:122:LYS:HA	1.62	0.62
1:M:127:ARG:HB3	1:M:130:PRO:HD2	1.81	0.62
1:N:65:LEU:HD13	1:N:72:MET:HE2	1.79	0.62
1:N:471:ILE:HG23	1:N:472:GLY:N	2.14	0.62
1:O:123:TYR:HB2	1:O:304:TYR:H	1.61	0.62
1:O:197:GLN:HE22	1:P:219:LEU:CD1	1.91	0.62
1:P:175:ASP:OD2	1:P:241:LEU:HB2	1.97	0.62
1:P:178:ILE:HD13	1:P:179:PHE:N	2.13	0.62
1:P:390:TRP:CD1	1:P:398:VAL:HB	2.34	0.62
1:P:541:ALA:HB1	1:P:571:GLU:HG2	1.80	0.62
1:A:120:PHE:HE1	1:A:122:LYS:HA	1.62	0.62
1:A:390:TRP:CD1	1:A:398:VAL:HB	2.34	0.62
1:B:141:LEU:CD1	1:C:3:PHE:HE2	2.12	0.62
1:B:391:PHE:CD1	1:B:394:ILE:HG22	2.34	0.62
1:B:581:VAL:HB	1:B:1035:UNK:O	1.99	0.62
1:C:26:ASN:O	1:C:30:LYS:HG3	1.99	0.62
1:C:123:TYR:HB2	1:C:304:TYR:H	1.61	0.62
1:C:484:MET:CE	1:C:535:TYR:HE1	2.11	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:1:MET:HE1	1:D:65:LEU:HD12	1.81	0.62
1:D:178:ILE:HD13	1:D:179:PHE:N	2.13	0.62
1:D:511:SER:N	1:D:646:UNK:HA	2.14	0.62
1:F:60:ARG:HH21	1:F:128:LEU:CD1	2.12	0.62
1:F:127:ARG:HB3	1:F:130:PRO:HD2	1.81	0.62
1:F:390:TRP:CD1	1:F:398:VAL:HB	2.34	0.62
1:F:581:VAL:HB	1:F:1035:UNK:O	1.99	0.62
1:G:85:TYR:CE2	1:G:88:LEU:HD23	2.34	0.62
1:G:219:LEU:CD1	1:H:197:GLN:HE22	1.91	0.62
1:G:262:ILE:HG21	1:G:264:LEU:HG	1.79	0.62
1:H:390:TRP:CZ2	1:H:402:VAL:HA	2.34	0.62
1:H:471:ILE:HG23	1:H:472:GLY:N	2.14	0.62
1:I:302:LEU:O	1:I:302:LEU:HD13	1.99	0.62
1:J:135:ARG:HD2	1:J:168:TYR:OH	1.98	0.62
1:J:253:TRP:HE3	1:J:275:LEU:CG	2.08	0.62
1:J:350:THR:O	1:J:354:GLU:HG2	1.98	0.62
1:K:50:MET:CE	1:K:60:ARG:HH12	2.13	0.62
1:K:581:VAL:HB	1:K:1035:UNK:O	1.99	0.62
1:L:123:TYR:CE2	1:L:303:LYS:HG2	2.33	0.62
1:L:360:LEU:HD21	1:L:405:LEU:CD1	2.21	0.62
1:M:125:VAL:HB	1:M:297:VAL:CA	2.16	0.62
1:M:125:VAL:HG12	1:M:300:LEU:CD2	2.28	0.62
1:M:128:LEU:HD12	1:M:128:LEU:N	2.13	0.62
1:M:235:LYS:HB2	1:M:237:TYR:CD2	2.34	0.62
1:N:381:ILE:HG22	1:N:466:TYR:CD2	2.34	0.62
1:N:390:TRP:CZ2	1:N:402:VAL:HA	2.34	0.62
1:O:3:PHE:HE2	1:P:141:LEU:CD1	2.12	0.62
1:O:85:TYR:CE2	1:O:88:LEU:HD23	2.34	0.62
1:O:390:TRP:CD1	1:O:398:VAL:HB	2.35	0.62
1:O:391:PHE:CD1	1:O:394:ILE:HG22	2.34	0.62
1:P:60:ARG:HH21	1:P:128:LEU:CD1	2.12	0.62
1:P:127:ARG:HB3	1:P:130:PRO:HD2	1.81	0.62
1:P:216:ASN:H	1:P:216:ASN:HD21	1.46	0.62
1:P:581:VAL:HB	1:P:1035:UNK:O	1.99	0.62
1:A:391:PHE:CD1	1:A:394:ILE:HG22	2.34	0.62
1:B:50:MET:CE	1:B:60:ARG:HH12	2.13	0.62
1:B:60:ARG:HH21	1:B:128:LEU:CD1	2.12	0.62
1:B:123:TYR:CE2	1:B:303:LYS:HG2	2.33	0.62
1:B:393:VAL:HG12	1:B:394:ILE:N	2.15	0.62
1:C:50:MET:CE	1:C:60:ARG:HH12	2.13	0.62
1:C:123:TYR:CE2	1:C:303:LYS:HG2	2.33	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:134:LEU:HD21	1:C:147:VAL:HG11	1.81	0.62
1:C:429:LEU:HD13	1:C:429:LEU:O	1.98	0.62
1:D:7:GLU:HG2	1:D:107:ILE:CB	2.24	0.62
1:D:391:PHE:CD1	1:D:394:ILE:HG22	2.34	0.62
1:D:562:LEU:HD11	1:D:580:GLN:HG3	1.81	0.62
1:D:581:VAL:HB	1:D:1035:UNK:O	1.99	0.62
1:E:85:TYR:CE2	1:E:88:LEU:HD23	2.34	0.62
1:E:381:ILE:HG22	1:E:466:TYR:CD2	2.34	0.62
1:E:390:TRP:CZ2	1:E:402:VAL:HA	2.34	0.62
1:F:511:SER:N	1:F:646:UNK:HA	2.14	0.62
1:G:56:SER:HA	1:G:128:LEU:HD23	1.80	0.62
1:G:350:THR:O	1:G:354:GLU:HG2	1.98	0.62
1:H:65:LEU:HD13	1:H:72:MET:HE2	1.79	0.62
1:H:92:ILE:HG12	1:H:96:GLN:NE2	2.14	0.62
1:H:381:ILE:HG22	1:H:466:TYR:CD2	2.34	0.62
1:H:393:VAL:HG12	1:H:394:ILE:N	2.15	0.62
1:I:391:PHE:CD1	1:I:394:ILE:HG22	2.34	0.62
1:J:120:PHE:N	1:K:277:ALA:HB1	2.12	0.62
1:J:262:ILE:HG21	1:J:264:LEU:HG	1.79	0.62
1:J:488:ARG:HA	1:J:491:PHE:N	2.09	0.62
1:J:562:LEU:HD11	1:J:580:GLN:HG3	1.81	0.62
1:J:581:VAL:HB	1:J:1035:UNK:O	1.99	0.62
1:K:3:PHE:HE2	1:L:141:LEU:CD1	2.12	0.62
1:K:26:ASN:O	1:K:30:LYS:HG3	1.99	0.62
1:K:381:ILE:HG22	1:K:466:TYR:CD2	2.34	0.62
1:L:56:SER:HA	1:L:128:LEU:HD23	1.80	0.62
1:L:79:GLU:O	1:L:83:ILE:HG12	1.97	0.62
1:L:200:LEU:HD22	1:L:208:THR:CG2	2.29	0.62
1:L:393:VAL:HG12	1:L:394:ILE:N	2.15	0.62
1:N:92:ILE:HG12	1:N:96:GLN:NE2	2.14	0.62
1:N:148:LEU:CD1	1:N:253:TRP:HH2	2.02	0.62
1:O:1:MET:HE1	1:O:65:LEU:HD12	1.81	0.62
1:O:350:THR:O	1:O:354:GLU:HG2	1.98	0.62
1:P:7:GLU:HG3	1:P:107:ILE:HD13	1.80	0.62
1:P:350:THR:O	1:P:354:GLU:HG2	1.98	0.62
1:P:562:LEU:HD11	1:P:580:GLN:HG3	1.81	0.62
1:B:56:SER:HA	1:B:128:LEU:HD23	1.80	0.62
1:C:193:LEU:HD21	1:C:221:ILE:CG2	2.29	0.62
1:C:381:ILE:HG22	1:C:466:TYR:CD2	2.34	0.62
1:C:581:VAL:HB	1:C:1035:UNK:O	1.99	0.62
1:D:125:VAL:HG12	1:D:300:LEU:CD2	2.28	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:130:PRO:HG2	1:D:292:LEU:HD21	1.79	0.62
1:D:193:LEU:HG	1:D:221:ILE:HG22	1.82	0.62
1:E:1:MET:HE1	1:E:65:LEU:HD12	1.81	0.62
1:E:1:MET:HE1	1:E:65:LEU:CD1	2.29	0.62
1:E:56:SER:HA	1:E:128:LEU:CD2	2.30	0.62
1:E:390:TRP:CD1	1:E:398:VAL:HB	2.34	0.62
1:E:391:PHE:CD1	1:E:394:ILE:HG22	2.34	0.62
1:F:65:LEU:CD1	1:F:72:MET:HE2	2.29	0.62
1:F:135:ARG:HD2	1:F:168:TYR:OH	1.98	0.62
1:F:178:ILE:HD13	1:F:179:PHE:N	2.13	0.62
1:F:219:LEU:CD1	1:G:197:GLN:HE22	1.91	0.62
1:F:253:TRP:CE3	1:F:275:LEU:HG	2.26	0.62
1:F:350:THR:O	1:F:354:GLU:HG2	1.98	0.62
1:F:532:ASP:HB2	1:F:533:PRO:HD2	1.81	0.62
1:F:562:LEU:HD11	1:F:580:GLN:HG3	1.81	0.62
1:G:7:GLU:HG2	1:G:107:ILE:CB	2.24	0.62
1:H:193:LEU:HG	1:H:221:ILE:HG22	1.82	0.62
1:I:1:MET:HE1	1:I:65:LEU:HD12	1.81	0.62
1:I:1:MET:HE1	1:I:65:LEU:CD1	2.29	0.62
1:I:56:SER:HA	1:I:128:LEU:CD2	2.30	0.62
1:I:85:TYR:CE2	1:I:88:LEU:HD23	2.34	0.62
1:I:135:ARG:HD2	1:I:168:TYR:OH	1.98	0.62
1:I:381:ILE:HG22	1:I:466:TYR:CD2	2.34	0.62
1:I:390:TRP:CZ2	1:I:402:VAL:HA	2.34	0.62
1:J:56:SER:HA	1:J:128:LEU:CD2	2.30	0.62
1:J:142:ARG:HB2	1:J:142:ARG:NH1	2.13	0.62
1:J:193:LEU:HG	1:J:221:ILE:HG22	1.82	0.62
1:J:390:TRP:CZ2	1:J:402:VAL:HA	2.34	0.62
1:J:391:PHE:CD1	1:J:394:ILE:HG22	2.34	0.62
1:K:56:SER:HA	1:K:128:LEU:HD23	1.80	0.62
1:K:134:LEU:HD21	1:K:147:VAL:HG11	1.81	0.62
1:K:193:LEU:HD21	1:K:221:ILE:CG2	2.29	0.62
1:K:562:LEU:HD11	1:K:580:GLN:HG3	1.81	0.62
1:L:50:MET:CE	1:L:60:ARG:HH12	2.13	0.62
1:L:60:ARG:HH21	1:L:128:LEU:CD1	2.12	0.62
1:L:179:PHE:CB	1:L:242:LEU:HD22	2.18	0.62
1:M:68:LYS:HB3	1:M:72:MET:HB2	1.82	0.62
1:M:193:LEU:HG	1:M:221:ILE:HG22	1.82	0.62
1:M:390:TRP:CD1	1:M:398:VAL:HB	2.35	0.62
1:M:391:PHE:CD1	1:M:394:ILE:HG22	2.34	0.62
1:N:127:ARG:HB3	1:N:130:PRO:HD2	1.81	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:193:LEU:HG	1:N:221:ILE:HG22	1.82	0.62
1:N:253:TRP:HE3	1:N:275:LEU:CG	2.08	0.62
1:N:393:VAL:HG12	1:N:394:ILE:N	2.15	0.62
1:O:7:GLU:HG2	1:O:107:ILE:CB	2.24	0.62
1:O:11:GLN:CA	1:O:169:LYS:HD3	2.30	0.62
1:O:56:SER:HA	1:O:128:LEU:HD23	1.80	0.62
1:O:581:VAL:HB	1:O:1035:UNK:O	1.99	0.62
1:P:85:TYR:CE2	1:P:88:LEU:HD23	2.34	0.62
1:P:360:LEU:HD21	1:P:405:LEU:CD1	2.21	0.62
1:P:511:SER:N	1:P:646:UNK:HA	2.14	0.62
1:P:532:ASP:HB2	1:P:533:PRO:HD2	1.81	0.62
1:A:85:TYR:CE2	1:A:88:LEU:HD23	2.34	0.62
1:A:141:LEU:CD1	1:A:145:LYS:HB3	2.28	0.62
1:A:179:PHE:CB	1:A:242:LEU:HD22	2.18	0.62
1:A:193:LEU:HG	1:A:221:ILE:HG22	1.82	0.62
1:A:381:ILE:HG22	1:A:466:TYR:CD2	2.34	0.62
1:A:390:TRP:CZ2	1:A:402:VAL:HA	2.34	0.62
1:B:120:PHE:HE1	1:B:122:LYS:HA	1.62	0.62
1:B:179:PHE:CB	1:B:242:LEU:HD22	2.18	0.62
1:C:193:LEU:HG	1:C:221:ILE:HG22	1.82	0.62
1:C:277:ALA:HB1	1:D:120:PHE:N	2.12	0.62
1:C:562:LEU:HD11	1:C:580:GLN:HG3	1.81	0.62
1:D:50:MET:CE	1:D:60:ARG:HH12	2.13	0.62
1:D:56:SER:HA	1:D:128:LEU:CD2	2.30	0.62
1:D:142:ARG:HB2	1:D:142:ARG:NH1	2.13	0.62
1:D:253:TRP:HE3	1:D:275:LEU:CG	2.08	0.62
1:D:262:ILE:HG21	1:D:264:LEU:HG	1.79	0.62
1:D:381:ILE:HG22	1:D:466:TYR:CD2	2.34	0.62
1:D:390:TRP:CZ2	1:D:402:VAL:HA	2.34	0.62
1:E:183:LEU:HD21	1:E:244:LEU:HB3	1.81	0.62
1:E:471:ILE:HG23	1:E:472:GLY:N	2.14	0.62
1:F:85:TYR:CE2	1:F:88:LEU:HD23	2.34	0.62
1:F:318:THR:HG22	1:F:323:ARG:HE	1.65	0.62
1:F:372:LEU:HD12	1:F:422:ILE:HG22	1.79	0.62
1:G:11:GLN:CA	1:G:169:LYS:HD3	2.30	0.62
1:G:581:VAL:HB	1:G:1035:UNK:O	1.99	0.62
1:H:127:ARG:HB3	1:H:130:PRO:HD2	1.81	0.62
1:H:141:LEU:CD1	1:H:145:LYS:HB3	2.28	0.62
1:H:541:ALA:HB1	1:H:571:GLU:HG2	1.80	0.62
1:I:390:TRP:CD1	1:I:398:VAL:HB	2.34	0.62
1:J:7:GLU:HG2	1:J:107:ILE:CB	2.24	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:50:MET:CE	1:J:60:ARG:HH12	2.13	0.62
1:J:85:TYR:CE2	1:J:88:LEU:HD23	2.34	0.62
1:J:125:VAL:HG12	1:J:300:LEU:CD2	2.28	0.62
1:J:130:PRO:HG2	1:J:292:LEU:HD21	1.79	0.62
1:L:120:PHE:HE1	1:L:122:LYS:HA	1.62	0.62
1:L:134:LEU:HD21	1:L:147:VAL:HG11	1.81	0.62
1:M:26:ASN:O	1:M:30:LYS:HG3	1.99	0.62
1:N:541:ALA:HB1	1:N:571:GLU:HG2	1.80	0.62
1:P:253:TRP:CE3	1:P:275:LEU:HG	2.26	0.62
1:P:372:LEU:HD12	1:P:422:ILE:HG22	1.79	0.62
1:A:3:PHE:HE2	1:H:141:LEU:CD1	2.12	0.62
1:A:26:ASN:O	1:A:30:LYS:HG3	1.99	0.62
1:A:68:LYS:HB3	1:A:72:MET:HB2	1.82	0.62
1:A:125:VAL:HB	1:A:297:VAL:CA	2.16	0.62
1:A:142:ARG:HB2	1:A:142:ARG:NH1	2.13	0.62
1:A:193:LEU:HD21	1:A:221:ILE:CG2	2.29	0.62
1:A:511:SER:N	1:A:646:UNK:HA	2.14	0.62
1:B:134:LEU:HD21	1:B:147:VAL:HG11	1.81	0.62
1:D:85:TYR:CE2	1:D:88:LEU:HD23	2.34	0.62
1:E:135:ARG:HD2	1:E:168:TYR:OH	1.98	0.62
1:E:200:LEU:HD22	1:E:208:THR:CG2	2.29	0.62
1:F:193:LEU:HG	1:F:221:ILE:HG22	1.82	0.62
1:G:23:PHE:CE2	1:G:27:PHE:HD2	2.18	0.62
1:G:120:PHE:HE1	1:G:122:LYS:HA	1.62	0.62
1:G:127:ARG:HB3	1:G:130:PRO:HD2	1.81	0.62
1:G:134:LEU:HD21	1:G:147:VAL:HG11	1.81	0.62
1:G:142:ARG:HB2	1:G:142:ARG:NH1	2.13	0.62
1:G:253:TRP:CE3	1:G:275:LEU:HG	2.26	0.62
1:H:56:SER:HA	1:H:128:LEU:CD2	2.30	0.62
1:H:183:LEU:HD21	1:H:244:LEU:HB3	1.81	0.62
1:H:253:TRP:HE3	1:H:275:LEU:CG	2.08	0.62
1:J:193:LEU:HD21	1:J:221:ILE:CG2	2.29	0.62
1:J:381:ILE:HG22	1:J:466:TYR:CD2	2.34	0.62
1:K:193:LEU:HG	1:K:221:ILE:HG22	1.82	0.62
1:L:511:SER:N	1:L:646:UNK:HA	2.14	0.62
1:M:381:ILE:HG22	1:M:466:TYR:CD2	2.34	0.62
1:M:390:TRP:CZ2	1:M:402:VAL:HA	2.34	0.62
1:M:581:VAL:HB	1:M:1035:UNK:O	1.99	0.62
1:N:85:TYR:CE2	1:N:88:LEU:HD23	2.34	0.62
1:N:114:TYR:CG	1:O:280:THR:HG23	2.16	0.62
1:N:141:LEU:CD1	1:N:145:LYS:HB3	2.28	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:183:LEU:HD21	1:N:244:LEU:HB3	1.81	0.62
1:N:302:LEU:HD13	1:N:302:LEU:O	1.99	0.62
1:O:23:PHE:CE2	1:O:27:PHE:HD2	2.18	0.62
1:O:134:LEU:HD21	1:O:147:VAL:HG11	1.81	0.62
1:P:135:ARG:HD2	1:P:168:TYR:OH	1.98	0.62
1:P:318:THR:HG22	1:P:323:ARG:HE	1.65	0.62
1:A:134:LEU:HD21	1:A:147:VAL:HG11	1.81	0.62
1:A:471:ILE:HG23	1:A:472:GLY:N	2.14	0.62
1:B:193:LEU:HD21	1:B:221:ILE:CG2	2.29	0.62
1:B:511:SER:N	1:B:646:UNK:HA	2.14	0.62
1:C:37:LYS:HG2	1:C:38:SER:N	2.15	0.62
1:C:302:LEU:HD13	1:C:302:LEU:O	1.99	0.62
1:C:488:ARG:HA	1:C:491:PHE:N	2.09	0.62
1:D:148:LEU:CD1	1:D:253:TRP:HH2	2.02	0.62
1:D:193:LEU:HD21	1:D:221:ILE:CG2	2.29	0.62
1:D:229:ARG:HH12	1:E:112:ARG:HH12	1.48	0.62
1:E:193:LEU:HG	1:E:221:ILE:HG22	1.82	0.62
1:F:120:PHE:HE1	1:F:122:LYS:HA	1.62	0.62
1:F:245:LEU:HD12	1:F:265:THR:OG1	2.00	0.62
1:G:999:UNK:N	1:G:1020:UNK:HA	2.15	0.62
1:H:37:LYS:HG2	1:H:38:SER:N	2.15	0.62
1:H:85:TYR:CE2	1:H:88:LEU:HD23	2.34	0.62
1:H:302:LEU:HD13	1:H:302:LEU:O	1.99	0.62
1:I:112:ARG:HH12	1:J:229:ARG:HH12	1.48	0.62
1:I:183:LEU:HD21	1:I:244:LEU:HB3	1.81	0.62
1:I:200:LEU:HD22	1:I:208:THR:CG2	2.29	0.62
1:I:471:ILE:HG23	1:I:472:GLY:N	2.14	0.62
1:J:1:MET:HE1	1:J:65:LEU:HD12	1.81	0.62
1:K:37:LYS:HG2	1:K:38:SER:N	2.15	0.62
1:K:56:SER:HA	1:K:128:LEU:CD2	2.30	0.62
1:K:148:LEU:CD2	1:K:264:LEU:HD13	2.29	0.62
1:K:302:LEU:HD13	1:K:302:LEU:O	1.99	0.62
1:L:193:LEU:HD21	1:L:221:ILE:CG2	2.29	0.62
1:L:235:LYS:HB2	1:L:237:TYR:CD2	2.34	0.62
1:M:3:PHE:HE2	1:N:141:LEU:CD1	2.12	0.62
1:M:134:LEU:HD21	1:M:147:VAL:HG11	1.81	0.62
1:M:141:LEU:CD1	1:M:145:LYS:HB3	2.28	0.62
1:M:471:ILE:HG23	1:M:472:GLY:N	2.14	0.62
1:M:511:SER:N	1:M:646:UNK:HA	2.14	0.62
1:N:37:LYS:HG2	1:N:38:SER:N	2.15	0.62
1:N:56:SER:HA	1:N:128:LEU:CD2	2.30	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:127:ARG:HB3	1:O:130:PRO:HD2	1.81	0.62
1:O:142:ARG:HB2	1:O:142:ARG:NH1	2.13	0.62
1:O:390:TRP:CZ2	1:O:402:VAL:HA	2.34	0.62
1:O:999:UNK:N	1:O:1020:UNK:HA	2.15	0.62
1:P:56:SER:HA	1:P:128:LEU:HD23	1.80	0.62
1:P:193:LEU:HG	1:P:221:ILE:HG22	1.82	0.62
1:A:50:MET:CE	1:A:60:ARG:HH12	2.13	0.62
1:A:148:LEU:CD1	1:A:253:TRP:HH2	2.02	0.62
1:A:581:VAL:HB	1:A:1035:UNK:O	1.99	0.62
1:B:48:ILE:HG12	1:B:61:LEU:HB2	1.82	0.62
1:B:92:ILE:HG12	1:B:96:GLN:NE2	2.14	0.62
1:B:193:LEU:HG	1:B:221:ILE:HG22	1.82	0.62
1:B:235:LYS:HB2	1:B:237:TYR:CD2	2.34	0.62
1:B:277:ALA:HB1	1:C:120:PHE:N	2.12	0.62
1:B:390:TRP:CD1	1:B:398:VAL:HB	2.34	0.62
1:C:56:SER:HA	1:C:128:LEU:CD2	2.30	0.62
1:C:148:LEU:CD2	1:C:264:LEU:HD13	2.29	0.62
1:D:123:TYR:HB2	1:D:304:TYR:H	1.61	0.62
1:D:134:LEU:HD21	1:D:147:VAL:HG11	1.81	0.62
1:D:372:LEU:HD12	1:D:412:GLU:OE2	2.00	0.62
1:E:11:GLN:CA	1:E:169:LYS:HD3	2.30	0.62
1:G:193:LEU:HG	1:G:221:ILE:HG22	1.82	0.62
1:G:390:TRP:CZ2	1:G:402:VAL:HA	2.34	0.62
1:G:532:ASP:HB2	1:G:533:PRO:HD2	1.81	0.62
1:H:48:ILE:HG12	1:H:61:LEU:HB2	1.82	0.62
1:H:245:LEU:HD12	1:H:265:THR:OG1	2.00	0.62
1:H:390:TRP:CD1	1:H:398:VAL:HB	2.34	0.62
1:H:391:PHE:CD1	1:H:394:ILE:HG22	2.34	0.62
1:I:193:LEU:HG	1:I:221:ILE:HG22	1.82	0.62
1:I:393:VAL:HG12	1:I:394:ILE:N	2.15	0.62
1:J:372:LEU:HD12	1:J:412:GLU:OE2	2.00	0.62
1:K:372:LEU:HD12	1:K:412:GLU:OE2	2.00	0.62
1:L:92:ILE:HG12	1:L:96:GLN:NE2	2.14	0.62
1:L:298:LYS:HD2	1:L:312:LEU:CD2	2.17	0.62
1:L:390:TRP:CD1	1:L:398:VAL:HB	2.34	0.62
1:M:50:MET:CE	1:M:60:ARG:HH12	2.13	0.62
1:M:85:TYR:CE2	1:M:88:LEU:HD23	2.34	0.62
1:M:142:ARG:HB2	1:M:142:ARG:NH1	2.13	0.62
1:M:193:LEU:HD21	1:M:221:ILE:CG2	2.29	0.62
1:M:302:LEU:O	1:M:302:LEU:HD13	1.99	0.62
1:N:48:ILE:HG12	1:N:61:LEU:HB2	1.82	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:235:LYS:HB2	1:N:237:TYR:CD2	2.34	0.62
1:O:148:LEU:CD2	1:O:264:LEU:HD13	2.29	0.62
1:O:253:TRP:CE3	1:O:275:LEU:HG	2.26	0.62
1:O:302:LEU:HD13	1:O:302:LEU:O	1.99	0.62
1:O:381:ILE:HG22	1:O:466:TYR:CD2	2.34	0.62
1:P:120:PHE:HE1	1:P:122:LYS:HA	1.62	0.62
1:P:134:LEU:HD21	1:P:147:VAL:HG11	1.81	0.62
1:P:245:LEU:HD12	1:P:265:THR:OG1	2.00	0.62
1:A:302:LEU:HD13	1:A:302:LEU:O	1.99	0.62
1:B:23:PHE:CE2	1:B:27:PHE:HD2	2.18	0.62
1:B:87:PHE:CE1	1:J:87:PHE:CE2	2.88	0.62
1:B:170:VAL:O	1:B:174:MET:HE2	1.99	0.62
1:B:390:TRP:CZ2	1:B:402:VAL:HA	2.34	0.62
1:C:372:LEU:HD12	1:C:412:GLU:OE2	2.00	0.62
1:D:87:PHE:CE2	1:L:87:PHE:CE1	2.88	0.62
1:D:170:VAL:O	1:D:174:MET:HE2	1.99	0.62
1:D:360:LEU:HD21	1:D:405:LEU:CD1	2.21	0.62
1:E:35:MET:CG	1:E:40:LEU:HB3	2.30	0.62
1:E:87:PHE:CE1	1:M:87:PHE:CE2	2.88	0.62
1:E:393:VAL:HG12	1:E:394:ILE:N	2.15	0.62
1:F:134:LEU:HD21	1:F:147:VAL:HG11	1.81	0.62
1:G:148:LEU:CD2	1:G:264:LEU:HD13	2.29	0.62
1:G:302:LEU:HD13	1:G:302:LEU:O	1.99	0.62
1:H:23:PHE:CE2	1:H:27:PHE:HD2	2.18	0.62
1:H:235:LYS:HB2	1:H:237:TYR:CD2	2.34	0.62
1:I:11:GLN:CA	1:I:169:LYS:HD3	2.30	0.62
1:I:50:MET:CE	1:I:60:ARG:HH12	2.13	0.62
1:J:134:LEU:HD21	1:J:147:VAL:HG11	1.81	0.62
1:J:235:LYS:HB2	1:J:237:TYR:CD2	2.34	0.62
1:K:120:PHE:N	1:L:277:ALA:HB1	2.12	0.62
1:L:48:ILE:HG12	1:L:61:LEU:HB2	1.82	0.62
1:L:193:LEU:HG	1:L:221:ILE:HG22	1.82	0.62
1:M:245:LEU:HD12	1:M:265:THR:OG1	2.00	0.62
1:N:120:PHE:HE1	1:N:122:LYS:HA	1.62	0.62
1:N:245:LEU:HD12	1:N:265:THR:OG1	2.00	0.62
1:O:120:PHE:HE1	1:O:122:LYS:HA	1.62	0.62
1:O:193:LEU:HG	1:O:221:ILE:HG22	1.82	0.62
1:O:532:ASP:HB2	1:O:533:PRO:HD2	1.81	0.62
1:A:87:PHE:CE2	1:I:87:PHE:CE1	2.88	0.62
1:A:245:LEU:HD12	1:A:265:THR:OG1	2.00	0.62
1:B:32:VAL:HG12	1:B:45:ILE:CG2	2.30	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:229:ARG:HH12	1:D:112:ARG:HH12	1.48	0.62
1:D:235:LYS:HB2	1:D:237:TYR:CD2	2.34	0.62
1:D:390:TRP:CD1	1:D:398:VAL:HB	2.34	0.62
1:E:50:MET:CE	1:E:60:ARG:HH12	2.13	0.62
1:E:372:LEU:HD12	1:E:412:GLU:OE2	2.00	0.62
1:F:56:SER:HA	1:F:128:LEU:HD23	1.80	0.62
1:G:1:MET:HE1	1:G:65:LEU:CD1	2.30	0.62
1:G:381:ILE:HG22	1:G:466:TYR:CD2	2.34	0.62
1:G:471:ILE:HG23	1:G:472:GLY:N	2.14	0.62
1:H:562:LEU:HD11	1:H:580:GLN:HG3	1.81	0.62
1:H:999:UNK:N	1:H:1020:UNK:HA	2.15	0.62
1:I:35:MET:CG	1:I:40:LEU:HB3	2.30	0.62
1:I:134:LEU:HD21	1:I:147:VAL:HG11	1.81	0.62
1:I:235:LYS:HB2	1:I:237:TYR:CD2	2.34	0.62
1:J:390:TRP:CD1	1:J:398:VAL:HB	2.34	0.62
1:K:48:ILE:HG12	1:K:61:LEU:HB2	1.82	0.62
1:L:23:PHE:CE2	1:L:27:PHE:HD2	2.18	0.62
1:L:56:SER:HA	1:L:128:LEU:CD2	2.30	0.62
1:N:23:PHE:CE2	1:N:27:PHE:HD2	2.18	0.62
1:N:390:TRP:CD1	1:N:398:VAL:HB	2.34	0.62
1:N:391:PHE:CD1	1:N:394:ILE:HG22	2.34	0.62
1:P:37:LYS:HG2	1:P:38:SER:N	2.15	0.62
1:P:479:GLU:HB3	1:P:481:PRO:CD	2.24	0.62
1:P:999:UNK:N	1:P:1020:UNK:HA	2.15	0.62
1:A:35:MET:CG	1:A:40:LEU:HB3	2.30	0.61
1:A:87:PHE:CE1	1:I:87:PHE:CE2	2.88	0.61
1:B:298:LYS:HD2	1:B:312:LEU:CD2	2.17	0.61
1:B:562:LEU:HD11	1:B:580:GLN:HG3	1.81	0.61
1:C:48:ILE:HG12	1:C:61:LEU:HB2	1.82	0.61
1:C:87:PHE:CE1	1:K:87:PHE:CE2	2.88	0.61
1:C:87:PHE:CE2	1:K:87:PHE:CE1	2.88	0.61
1:C:183:LEU:HD21	1:C:244:LEU:HB3	1.81	0.61
1:C:245:LEU:HD12	1:C:265:THR:OG1	2.00	0.61
1:D:35:MET:CG	1:D:40:LEU:HB3	2.30	0.61
1:D:87:PHE:CE1	1:L:87:PHE:CE2	2.88	0.61
1:E:92:ILE:HG12	1:E:96:GLN:NE2	2.14	0.61
1:E:134:LEU:HD21	1:E:147:VAL:HG11	1.81	0.61
1:E:235:LYS:HB2	1:E:237:TYR:CD2	2.34	0.61
1:F:141:LEU:CD1	1:F:145:LYS:HB3	2.28	0.61
1:F:999:UNK:N	1:F:1020:UNK:HA	2.15	0.61
1:G:26:ASN:O	1:G:30:LYS:HG3	1.99	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:541:ALA:HB1	1:G:571:GLU:HG2	1.80	0.61
1:I:92:ILE:HG12	1:I:96:GLN:NE2	2.14	0.61
1:I:229:ARG:HH12	1:P:112:ARG:HH12	1.48	0.61
1:I:372:LEU:HD12	1:I:412:GLU:OE2	2.00	0.61
1:J:123:TYR:HB2	1:J:304:TYR:H	1.61	0.61
1:K:23:PHE:CE2	1:K:27:PHE:HD2	2.18	0.61
1:K:68:LYS:HB3	1:K:72:MET:HB2	1.82	0.61
1:K:152:VAL:HG12	1:K:153:LEU:HD22	1.82	0.61
1:K:235:LYS:HB2	1:K:237:TYR:CD2	2.34	0.61
1:K:390:TRP:CZ2	1:K:402:VAL:HA	2.34	0.61
1:L:32:VAL:HG12	1:L:45:ILE:CG2	2.30	0.61
1:L:302:LEU:HD13	1:L:302:LEU:O	1.99	0.61
1:L:390:TRP:CZ2	1:L:402:VAL:HA	2.34	0.61
1:L:562:LEU:HD11	1:L:580:GLN:HG3	1.81	0.61
1:M:35:MET:CG	1:M:40:LEU:HB3	2.30	0.61
1:M:48:ILE:HG12	1:M:61:LEU:HB2	1.82	0.61
1:M:119:VAL:HG22	1:N:278:ALA:H	1.57	0.61
1:N:532:ASP:HB2	1:N:533:PRO:HD2	1.81	0.61
1:N:562:LEU:HD11	1:N:580:GLN:HG3	1.81	0.61
1:N:999:UNK:N	1:N:1020:UNK:HA	2.15	0.61
1:O:26:ASN:O	1:O:30:LYS:HG3	1.99	0.61
1:O:245:LEU:HD12	1:O:265:THR:OG1	2.00	0.61
1:O:318:THR:HG22	1:O:323:ARG:HE	1.65	0.61
1:O:471:ILE:HG23	1:O:472:GLY:N	2.14	0.61
1:P:50:MET:CE	1:P:60:ARG:HH12	2.13	0.61
1:A:48:ILE:HG12	1:A:61:LEU:HB2	1.82	0.61
1:B:56:SER:HA	1:B:128:LEU:CD2	2.30	0.61
1:B:87:PHE:CE2	1:J:87:PHE:CE1	2.88	0.61
1:C:23:PHE:CE2	1:C:27:PHE:HD2	2.18	0.61
1:C:32:VAL:HG12	1:C:45:ILE:CG2	2.30	0.61
1:C:68:LYS:HB3	1:C:72:MET:HB2	1.82	0.61
1:C:148:LEU:CD1	1:C:253:TRP:HH2	2.02	0.61
1:C:152:VAL:HG12	1:C:153:LEU:HD22	1.82	0.61
1:C:200:LEU:CD1	1:C:208:THR:HG22	2.29	0.61
1:C:235:LYS:HB2	1:C:237:TYR:CD2	2.34	0.61
1:D:200:LEU:CD1	1:D:208:THR:HG22	2.30	0.61
1:E:87:PHE:CE2	1:M:87:PHE:CE1	2.88	0.61
1:E:229:ARG:HH12	1:F:112:ARG:HH12	1.48	0.61
1:F:26:ASN:O	1:F:30:LYS:HG3	1.99	0.61
1:G:1:MET:HE1	1:G:65:LEU:HD12	1.81	0.61
1:G:141:LEU:CD1	1:G:145:LYS:HB3	2.28	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:183:LEU:HD21	1:G:244:LEU:HB3	1.81	0.61
1:G:245:LEU:HD12	1:G:265:THR:OG1	2.00	0.61
1:G:410:LEU:HB3	1:G:423:PRO:CB	2.31	0.61
1:H:120:PHE:HE1	1:H:122:LYS:HA	1.62	0.61
1:H:134:LEU:HD21	1:H:147:VAL:HG11	1.81	0.61
1:H:532:ASP:HB2	1:H:533:PRO:HD2	1.81	0.61
1:H:581:VAL:HB	1:H:1035:UNK:O	1.99	0.61
1:I:7:GLU:HG3	1:I:107:ILE:HD13	1.81	0.61
1:J:32:VAL:HG12	1:J:45:ILE:CG2	2.30	0.61
1:J:35:MET:CG	1:J:40:LEU:HB3	2.30	0.61
1:J:112:ARG:HH12	1:K:229:ARG:HH12	1.48	0.61
1:J:149:ILE:CG2	1:J:265:THR:HG22	2.30	0.61
1:K:32:VAL:HG12	1:K:45:ILE:CG2	2.30	0.61
1:K:245:LEU:HD12	1:K:265:THR:OG1	2.00	0.61
1:L:372:LEU:HD12	1:L:412:GLU:OE2	2.00	0.61
1:M:148:LEU:CD1	1:M:253:TRP:HH2	2.02	0.61
1:N:134:LEU:HD21	1:N:147:VAL:HG11	1.81	0.61
1:O:68:LYS:HB3	1:O:72:MET:HB2	1.82	0.61
1:O:541:ALA:HB1	1:O:571:GLU:HG2	1.80	0.61
1:B:148:LEU:CD1	1:B:253:TRP:HH2	2.02	0.61
1:B:302:LEU:HD13	1:B:302:LEU:O	1.99	0.61
1:B:372:LEU:HD12	1:B:412:GLU:OE2	2.00	0.61
1:B:562:LEU:HD22	1:B:562:LEU:N	2.15	0.61
1:C:88:LEU:HD22	1:C:88:LEU:H	1.65	0.61
1:C:120:PHE:HD1	1:C:121:ALA:C	2.04	0.61
1:C:390:TRP:CZ2	1:C:402:VAL:HA	2.34	0.61
1:D:1:MET:HE1	1:D:65:LEU:CD1	2.29	0.61
1:D:23:PHE:CE2	1:D:27:PHE:HD2	2.18	0.61
1:D:32:VAL:HG12	1:D:45:ILE:CG2	2.30	0.61
1:D:149:ILE:CG2	1:D:265:THR:HG22	2.30	0.61
1:D:152:VAL:HG12	1:D:153:LEU:HD22	1.82	0.61
1:D:245:LEU:HD12	1:D:265:THR:OG1	2.00	0.61
1:E:120:PHE:HD1	1:E:121:ALA:C	2.04	0.61
1:E:475:LEU:HD23	1:E:478:ILE:CD1	2.31	0.61
1:E:532:ASP:HB2	1:E:533:PRO:HD2	1.81	0.61
1:F:50:MET:CE	1:F:60:ARG:HH12	2.13	0.61
1:F:56:SER:HA	1:F:128:LEU:CD2	2.30	0.61
1:F:87:PHE:CB	1:N:19:PHE:HE2	2.08	0.61
1:G:253:TRP:CH2	1:G:264:LEU:HD22	2.36	0.61
1:G:318:THR:HG22	1:G:323:ARG:HE	1.65	0.61
1:G:562:LEU:HD11	1:G:580:GLN:HG3	1.81	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:11:GLN:CA	1:H:169:LYS:HD3	2.30	0.61
1:H:50:MET:CE	1:H:60:ARG:HH12	2.13	0.61
1:H:410:LEU:HB3	1:H:423:PRO:CB	2.31	0.61
1:I:23:PHE:CE2	1:I:27:PHE:HD2	2.18	0.61
1:I:148:LEU:CD2	1:I:264:LEU:HD13	2.29	0.61
1:I:475:LEU:HD23	1:I:478:ILE:CD1	2.31	0.61
1:J:23:PHE:CE2	1:J:27:PHE:HD2	2.18	0.61
1:J:200:LEU:CD1	1:J:208:THR:HG22	2.30	0.61
1:J:532:ASP:HB2	1:J:533:PRO:HD2	1.81	0.61
1:K:1:MET:HE1	1:K:65:LEU:HD12	1.81	0.61
1:K:183:LEU:HD21	1:K:244:LEU:HB3	1.81	0.61
1:L:35:MET:CG	1:L:40:LEU:HB3	2.30	0.61
1:L:381:ILE:HG22	1:L:466:TYR:CD2	2.34	0.61
1:L:562:LEU:HD22	1:L:562:LEU:N	2.15	0.61
1:M:562:LEU:HD11	1:M:580:GLN:HG3	1.81	0.61
1:N:26:ASN:O	1:N:30:LYS:HG3	1.99	0.61
1:N:410:LEU:HB3	1:N:423:PRO:CB	2.31	0.61
1:O:253:TRP:CH2	1:O:264:LEU:HD22	2.36	0.61
1:O:410:LEU:HB3	1:O:423:PRO:CB	2.31	0.61
1:P:26:ASN:O	1:P:30:LYS:HG3	1.99	0.61
1:P:302:LEU:HD13	1:P:302:LEU:O	1.99	0.61
1:A:56:SER:HA	1:A:128:LEU:CD2	2.30	0.61
1:B:35:MET:CG	1:B:40:LEU:HB3	2.30	0.61
1:B:120:PHE:HD1	1:B:121:ALA:C	2.04	0.61
1:B:318:THR:HG22	1:B:323:ARG:HE	1.65	0.61
1:C:1:MET:HE1	1:C:65:LEU:HD12	1.81	0.61
1:C:37:LYS:HD2	1:C:39:ILE:HB	1.82	0.61
1:D:120:PHE:HD1	1:D:121:ALA:C	2.04	0.61
1:D:532:ASP:HB2	1:D:533:PRO:HD2	1.81	0.61
1:E:7:GLU:HG3	1:E:107:ILE:HD13	1.81	0.61
1:E:23:PHE:CE2	1:E:27:PHE:HD2	2.18	0.61
1:F:35:MET:CG	1:F:40:LEU:HB3	2.30	0.61
1:F:87:PHE:CE1	1:N:87:PHE:CE2	2.88	0.61
1:F:92:ILE:HG12	1:F:96:GLN:NE2	2.14	0.61
1:F:302:LEU:HD13	1:F:302:LEU:O	1.99	0.61
1:F:479:GLU:HB3	1:F:481:PRO:CD	2.24	0.61
1:G:32:VAL:HG12	1:G:45:ILE:CG2	2.30	0.61
1:G:48:ILE:HG12	1:G:61:LEU:HB2	1.82	0.61
1:G:56:SER:HA	1:G:128:LEU:CD2	2.30	0.61
1:G:68:LYS:HB3	1:G:72:MET:HB2	1.82	0.61
1:H:19:PHE:HE2	1:P:87:PHE:CB	2.08	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:26:ASN:O	1:H:30:LYS:HG3	1.99	0.61
1:H:68:LYS:HB3	1:H:72:MET:HB2	1.82	0.61
1:H:87:PHE:CE2	1:P:87:PHE:CE1	2.88	0.61
1:J:152:VAL:HG12	1:J:153:LEU:HD22	1.82	0.61
1:J:245:LEU:HD12	1:J:265:THR:OG1	2.00	0.61
1:K:88:LEU:HD22	1:K:88:LEU:H	1.65	0.61
1:K:112:ARG:HH12	1:L:229:ARG:HH12	1.48	0.61
1:K:120:PHE:HD1	1:K:121:ALA:C	2.04	0.61
1:K:200:LEU:CD1	1:K:208:THR:HG22	2.29	0.61
1:M:23:PHE:CE2	1:M:27:PHE:HD2	2.18	0.61
1:M:32:VAL:HG12	1:M:45:ILE:CG2	2.30	0.61
1:N:11:GLN:CA	1:N:169:LYS:HD3	2.30	0.61
1:N:581:VAL:HB	1:N:1035:UNK:O	1.99	0.61
1:O:50:MET:CE	1:O:60:ARG:HH12	2.13	0.61
1:O:141:LEU:CD1	1:O:145:LYS:HB3	2.28	0.61
1:O:183:LEU:HD21	1:O:244:LEU:HB3	1.81	0.61
1:O:562:LEU:HD11	1:O:580:GLN:HG3	1.81	0.61
1:P:11:GLN:CA	1:P:169:LYS:HD3	2.30	0.61
1:P:35:MET:CG	1:P:40:LEU:HB3	2.30	0.61
1:P:141:LEU:CD1	1:P:145:LYS:HB3	2.28	0.61
1:A:23:PHE:CE2	1:A:27:PHE:HD2	2.18	0.61
1:A:32:VAL:HG12	1:A:45:ILE:CG2	2.30	0.61
1:A:318:THR:HG22	1:A:323:ARG:HE	1.65	0.61
1:A:562:LEU:HD11	1:A:580:GLN:HG3	1.81	0.61
1:B:37:LYS:HG2	1:B:38:SER:N	2.15	0.61
1:B:37:LYS:HD2	1:B:39:ILE:HB	1.82	0.61
1:B:381:ILE:HG22	1:B:466:TYR:CD2	2.34	0.61
1:C:466:TYR:CZ	1:C:470:HIS:HD2	2.19	0.61
1:E:148:LEU:CD2	1:E:264:LEU:HD13	2.29	0.61
1:E:200:LEU:CD1	1:E:208:THR:HG22	2.29	0.61
1:F:393:VAL:HG12	1:F:394:ILE:N	2.15	0.61
1:H:35:MET:CG	1:H:40:LEU:HB3	2.30	0.61
1:H:35:MET:CB	1:H:45:ILE:HB	2.31	0.61
1:H:388:LEU:HD11	1:H:449:ILE:CG1	2.31	0.61
1:I:120:PHE:HD1	1:I:121:ALA:C	2.04	0.61
1:I:532:ASP:HB2	1:I:533:PRO:HD2	1.81	0.61
1:J:26:ASN:O	1:J:30:LYS:HG3	1.99	0.61
1:J:120:PHE:HD1	1:J:121:ALA:C	2.04	0.61
1:J:148:LEU:CD2	1:J:264:LEU:HD13	2.29	0.61
1:K:37:LYS:HD2	1:K:39:ILE:HB	1.82	0.61
1:K:466:TYR:CZ	1:K:470:HIS:HD2	2.19	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:120:PHE:HD1	1:L:121:ALA:C	2.04	0.61
1:M:37:LYS:HG2	1:M:38:SER:N	2.15	0.61
1:M:37:LYS:HD2	1:M:39:ILE:HB	1.82	0.61
1:M:149:ILE:CG2	1:M:265:THR:HG22	2.30	0.61
1:M:318:THR:HG22	1:M:323:ARG:HE	1.65	0.61
1:N:35:MET:CB	1:N:45:ILE:HB	2.31	0.61
1:N:35:MET:CG	1:N:40:LEU:HB3	2.30	0.61
1:N:50:MET:CE	1:N:60:ARG:HH12	2.13	0.61
1:N:388:LEU:HD11	1:N:449:ILE:CG1	2.31	0.61
1:O:32:VAL:HG12	1:O:45:ILE:CG2	2.30	0.61
1:O:48:ILE:HG12	1:O:61:LEU:HB2	1.82	0.61
1:O:56:SER:HA	1:O:128:LEU:CD2	2.30	0.61
1:P:23:PHE:CE2	1:P:27:PHE:HD2	2.18	0.61
1:P:56:SER:HA	1:P:128:LEU:CD2	2.30	0.61
1:P:92:ILE:HG12	1:P:96:GLN:NE2	2.14	0.61
1:A:37:LYS:HD2	1:A:39:ILE:HB	1.82	0.61
1:A:119:VAL:HG22	1:H:278:ALA:H	1.57	0.61
1:A:149:ILE:CG2	1:A:265:THR:HG22	2.30	0.61
1:A:410:LEU:HB3	1:A:423:PRO:CB	2.31	0.61
1:B:229:ARG:HH12	1:C:112:ARG:HH12	1.48	0.61
1:C:999:UNK:N	1:C:1020:UNK:HA	2.15	0.61
1:D:11:GLN:CA	1:D:169:LYS:HD3	2.30	0.61
1:D:26:ASN:O	1:D:30:LYS:HG3	1.99	0.61
1:D:148:LEU:CD2	1:D:264:LEU:HD13	2.29	0.61
1:E:26:ASN:O	1:E:30:LYS:HG3	1.99	0.61
1:E:999:UNK:N	1:E:1020:UNK:HA	2.15	0.61
1:F:11:GLN:CA	1:F:169:LYS:HD3	2.30	0.61
1:F:148:LEU:CD2	1:F:264:LEU:HD13	2.29	0.61
1:G:35:MET:CB	1:G:45:ILE:HB	2.31	0.61
1:G:35:MET:CG	1:G:40:LEU:HB3	2.30	0.61
1:G:50:MET:CE	1:G:60:ARG:HH12	2.13	0.61
1:H:253:TRP:CH2	1:H:264:LEU:HD22	2.36	0.61
1:I:26:ASN:O	1:I:30:LYS:HG3	1.99	0.61
1:I:149:ILE:CG2	1:I:265:THR:HG22	2.30	0.61
1:I:193:LEU:HD21	1:I:221:ILE:CG2	2.29	0.61
1:I:200:LEU:CD1	1:I:208:THR:HG22	2.29	0.61
1:I:999:UNK:N	1:I:1020:UNK:HA	2.15	0.61
1:J:11:GLN:CA	1:J:169:LYS:HD3	2.30	0.61
1:J:298:LYS:HD2	1:J:312:LEU:CD2	2.17	0.61
1:K:1:MET:HE1	1:K:65:LEU:CD1	2.30	0.61
1:K:12:TYR:HD2	1:K:16:LEU:HD21	1.66	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:999:UNK:N	1:K:1020:UNK:HA	2.15	0.61
1:L:26:ASN:O	1:L:30:LYS:HG3	1.99	0.61
1:L:125:VAL:HB	1:L:297:VAL:CA	2.16	0.61
1:L:318:THR:HG22	1:L:323:ARG:HE	1.65	0.61
1:L:388:LEU:HD11	1:L:449:ILE:CG1	2.31	0.61
1:M:56:SER:HA	1:M:128:LEU:CD2	2.30	0.61
1:M:410:LEU:HB3	1:M:423:PRO:CB	2.31	0.61
1:N:68:LYS:HB3	1:N:72:MET:HB2	1.82	0.61
1:N:253:TRP:CH2	1:N:264:LEU:HD22	2.36	0.61
1:O:35:MET:CB	1:O:45:ILE:HB	2.31	0.61
1:O:35:MET:CG	1:O:40:LEU:HB3	2.30	0.61
1:P:148:LEU:CD2	1:P:264:LEU:HD13	2.29	0.61
1:P:235:LYS:HB2	1:P:237:TYR:CD2	2.34	0.61
1:P:393:VAL:HG12	1:P:394:ILE:N	2.15	0.61
1:A:37:LYS:HG2	1:A:38:SER:N	2.15	0.61
1:A:499:GLN:HE21	1:A:554:ILE:HG13	1.66	0.61
1:B:245:LEU:HD12	1:B:265:THR:OG1	2.00	0.61
1:B:376:PRO:HD2	1:B:470:HIS:CD2	2.36	0.61
1:B:388:LEU:HD11	1:B:449:ILE:CG1	2.31	0.61
1:C:1:MET:HE1	1:C:65:LEU:CD1	2.30	0.61
1:C:12:TYR:HD2	1:C:16:LEU:HD21	1.66	0.61
1:C:391:PHE:CD1	1:C:394:ILE:HG22	2.34	0.61
1:C:393:VAL:HG12	1:C:394:ILE:N	2.15	0.61
1:E:141:LEU:CD1	1:F:3:PHE:HE2	2.12	0.61
1:E:149:ILE:CG2	1:E:265:THR:HG22	2.30	0.61
1:E:153:LEU:HB3	1:E:267:ARG:CD	2.31	0.61
1:E:193:LEU:HD21	1:E:221:ILE:CG2	2.29	0.61
1:F:23:PHE:CE2	1:F:27:PHE:HD2	2.18	0.61
1:F:87:PHE:CE2	1:N:87:PHE:CE1	2.88	0.61
1:F:410:LEU:HB3	1:F:423:PRO:CB	2.31	0.61
1:F:466:TYR:CZ	1:F:470:HIS:HD2	2.19	0.61
1:G:153:LEU:HB3	1:G:267:ARG:CD	2.31	0.61
1:G:447:TYR:CE1	1:G:482:GLU:HG2	2.36	0.61
1:H:200:LEU:HD22	1:H:208:THR:CG2	2.29	0.61
1:H:372:LEU:HD12	1:H:412:GLU:OE2	2.00	0.61
1:I:153:LEU:HB3	1:I:267:ARG:CD	2.31	0.61
1:J:48:ILE:HG12	1:J:61:LEU:HB2	1.82	0.61
1:J:302:LEU:HD13	1:J:302:LEU:O	1.99	0.61
1:K:148:LEU:CD1	1:K:253:TRP:HH2	2.02	0.61
1:K:149:ILE:CG2	1:K:265:THR:HG22	2.30	0.61
1:K:391:PHE:CD1	1:K:394:ILE:HG22	2.34	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:393:VAL:HG12	1:K:394:ILE:N	2.15	0.61
1:L:37:LYS:HG2	1:L:38:SER:N	2.15	0.61
1:L:37:LYS:HD2	1:L:39:ILE:HB	1.82	0.61
1:L:68:LYS:HB3	1:L:72:MET:HB2	1.82	0.61
1:L:376:PRO:HD2	1:L:470:HIS:CD2	2.36	0.61
1:L:466:TYR:CZ	1:L:470:HIS:HD2	2.19	0.61
1:M:499:GLN:HE21	1:M:554:ILE:HG13	1.66	0.61
1:M:999:UNK:N	1:M:1020:UNK:HA	2.15	0.61
1:O:153:LEU:HB3	1:O:267:ARG:CD	2.31	0.61
1:O:447:TYR:CE1	1:O:482:GLU:HG2	2.36	0.61
1:O:466:TYR:CZ	1:O:470:HIS:HD2	2.19	0.61
1:O:499:GLN:HE21	1:O:554:ILE:HG13	1.66	0.61
1:P:12:TYR:HD2	1:P:16:LEU:HD21	1.66	0.61
1:A:466:TYR:CZ	1:A:470:HIS:HD2	2.19	0.61
1:A:999:UNK:N	1:A:1020:UNK:HA	2.15	0.61
1:B:7:GLU:HG3	1:B:110:ARG:NH2	2.16	0.61
1:B:19:PHE:HB3	1:B:20:GLU:OE2	2.01	0.61
1:B:26:ASN:O	1:B:30:LYS:HG3	1.99	0.61
1:B:200:LEU:CD1	1:B:208:THR:HG22	2.30	0.61
1:B:466:TYR:CZ	1:B:470:HIS:HD2	2.19	0.61
1:B:532:ASP:HB2	1:B:533:PRO:HD2	1.81	0.61
1:C:149:ILE:CG2	1:C:265:THR:HG22	2.30	0.61
1:C:532:ASP:HB2	1:C:533:PRO:HD2	1.81	0.61
1:C:563:ARG:HG2	1:C:1038:UNK:O	2.01	0.61
1:D:48:ILE:HG12	1:D:61:LEU:HB2	1.82	0.61
1:D:253:TRP:CH2	1:D:264:LEU:HD22	2.36	0.61
1:E:253:TRP:CE3	1:E:275:LEU:HG	2.26	0.61
1:F:12:TYR:HD2	1:F:16:LEU:HD21	1.66	0.61
1:F:235:LYS:HB2	1:F:237:TYR:CD2	2.34	0.61
1:F:376:PRO:HD2	1:F:470:HIS:CD2	2.36	0.61
1:F:447:TYR:CE1	1:F:482:GLU:HG2	2.36	0.61
1:G:37:LYS:HG2	1:G:38:SER:N	2.15	0.61
1:G:87:PHE:CE2	1:O:87:PHE:CE1	2.88	0.61
1:G:499:GLN:HE21	1:G:554:ILE:HG13	1.66	0.61
1:H:87:PHE:CE1	1:P:87:PHE:CE2	2.88	0.61
1:H:318:THR:HG22	1:H:323:ARG:HE	1.65	0.61
1:H:466:TYR:CZ	1:H:470:HIS:HD2	2.19	0.61
1:J:253:TRP:CH2	1:J:264:LEU:HD22	2.36	0.61
1:J:402:VAL:HG23	1:J:403:ASN:N	2.16	0.61
1:K:253:TRP:CH2	1:K:264:LEU:HD22	2.36	0.61
1:K:475:LEU:HD23	1:K:478:ILE:CD1	2.31	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:532:ASP:HB2	1:K:533:PRO:HD2	1.81	0.61
1:K:563:ARG:HG2	1:K:1038:UNK:O	2.01	0.61
1:L:7:GLU:HG3	1:L:110:ARG:NH2	2.16	0.61
1:L:19:PHE:HB3	1:L:20:GLU:OE2	2.01	0.61
1:L:148:LEU:CD1	1:L:253:TRP:HH2	2.02	0.61
1:L:245:LEU:HD12	1:L:265:THR:OG1	2.00	0.61
1:M:20:GLU:O	1:M:23:PHE:HB3	2.01	0.61
1:N:125:VAL:HG23	1:N:296:GLU:C	2.21	0.61
1:N:372:LEU:HD12	1:N:412:GLU:OE2	2.00	0.61
1:N:447:TYR:CE1	1:N:482:GLU:HG2	2.36	0.61
1:N:466:TYR:CZ	1:N:470:HIS:HD2	2.19	0.61
1:P:376:PRO:HD2	1:P:470:HIS:CD2	2.36	0.61
1:P:381:ILE:HG22	1:P:466:TYR:CD2	2.34	0.61
1:P:388:LEU:HD11	1:P:449:ILE:CG1	2.31	0.61
1:P:410:LEU:HB3	1:P:423:PRO:CB	2.31	0.61
1:P:447:TYR:CE1	1:P:482:GLU:HG2	2.36	0.61
1:P:466:TYR:CZ	1:P:470:HIS:HD2	2.19	0.61
1:A:12:TYR:HD2	1:A:16:LEU:HD21	1.66	0.61
1:A:20:GLU:O	1:A:23:PHE:HB3	2.01	0.61
1:A:183:LEU:HD21	1:A:244:LEU:HB3	1.81	0.61
1:A:253:TRP:CH2	1:A:264:LEU:HD22	2.36	0.61
1:B:68:LYS:HB3	1:B:72:MET:HB2	1.82	0.61
1:C:253:TRP:CH2	1:C:264:LEU:HD22	2.36	0.61
1:C:475:LEU:HD23	1:C:478:ILE:CD1	2.31	0.61
1:D:12:TYR:HD2	1:D:16:LEU:HD21	1.66	0.61
1:D:125:VAL:HG23	1:D:296:GLU:C	2.21	0.61
1:D:302:LEU:HD13	1:D:302:LEU:O	1.99	0.61
1:D:393:VAL:HG12	1:D:394:ILE:N	2.15	0.61
1:D:402:VAL:HG23	1:D:403:ASN:N	2.16	0.61
1:D:463:LEU:HD12	1:D:463:LEU:N	2.16	0.61
1:F:381:ILE:HG22	1:F:466:TYR:CD2	2.34	0.61
1:F:388:LEU:HD11	1:F:449:ILE:CG1	2.31	0.61
1:G:7:GLU:HG3	1:G:110:ARG:NH2	2.16	0.61
1:G:87:PHE:CE1	1:O:87:PHE:CE2	2.88	0.61
1:G:125:VAL:HG23	1:G:296:GLU:C	2.21	0.61
1:G:466:TYR:CZ	1:G:470:HIS:HD2	2.19	0.61
1:H:125:VAL:HG23	1:H:296:GLU:C	2.21	0.61
1:H:376:PRO:HD2	1:H:470:HIS:CD2	2.36	0.61
1:H:447:TYR:CE1	1:H:482:GLU:HG2	2.36	0.61
1:H:475:LEU:HD23	1:H:478:ILE:CD1	2.31	0.61
1:I:141:LEU:CD1	1:P:3:PHE:HE2	2.12	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:253:TRP:CE3	1:I:275:LEU:HG	2.26	0.61
1:I:253:TRP:HZ2	1:I:266:THR:HG1	1.49	0.61
1:I:447:TYR:CE1	1:I:482:GLU:HG2	2.36	0.61
1:J:393:VAL:HG12	1:J:394:ILE:N	2.15	0.61
1:J:463:LEU:HD12	1:J:463:LEU:N	2.16	0.61
1:L:152:VAL:HG12	1:L:153:LEU:HD22	1.82	0.61
1:L:532:ASP:HB2	1:L:533:PRO:HD2	1.81	0.61
1:M:12:TYR:HD2	1:M:16:LEU:HD21	1.66	0.61
1:M:393:VAL:HG12	1:M:394:ILE:N	2.15	0.61
1:M:466:TYR:CZ	1:M:470:HIS:HD2	2.19	0.61
1:N:200:LEU:HD22	1:N:208:THR:CG2	2.29	0.61
1:N:376:PRO:HD2	1:N:470:HIS:CD2	2.36	0.61
1:N:475:LEU:HD23	1:N:478:ILE:CD1	2.31	0.61
1:O:7:GLU:HG3	1:O:110:ARG:NH2	2.16	0.61
1:O:125:VAL:HG23	1:O:296:GLU:C	2.21	0.61
1:O:235:LYS:HB2	1:O:237:TYR:CD2	2.34	0.61
1:O:372:LEU:HD12	1:O:412:GLU:OE2	2.00	0.61
1:P:7:GLU:HG3	1:P:110:ARG:NH2	2.16	0.61
1:P:253:TRP:CH2	1:P:264:LEU:HD22	2.36	0.61
1:A:229:ARG:HH12	1:B:112:ARG:HH12	1.48	0.61
1:A:475:LEU:HD23	1:A:478:ILE:CD1	2.31	0.61
1:B:20:GLU:O	1:B:23:PHE:HB3	2.01	0.61
1:B:125:VAL:HB	1:B:297:VAL:CA	2.16	0.61
1:B:152:VAL:HG12	1:B:153:LEU:HD22	1.82	0.61
1:C:7:GLU:HG3	1:C:110:ARG:NH2	2.16	0.61
1:C:19:PHE:CE2	1:K:87:PHE:CD1	2.88	0.61
1:C:318:THR:HG22	1:C:323:ARG:HE	1.65	0.61
1:C:447:TYR:CE1	1:C:482:GLU:HG2	2.36	0.61
1:D:37:LYS:HD2	1:D:39:ILE:HB	1.82	0.61
1:D:376:PRO:HD2	1:D:470:HIS:CD2	2.36	0.61
1:E:20:GLU:O	1:E:23:PHE:HB3	2.01	0.61
1:E:253:TRP:HZ2	1:E:266:THR:HG1	1.49	0.61
1:E:376:PRO:HD2	1:E:470:HIS:CD2	2.36	0.61
1:E:447:TYR:CE1	1:E:482:GLU:HG2	2.36	0.61
1:E:466:TYR:CZ	1:E:470:HIS:HD2	2.19	0.61
1:F:7:GLU:HG3	1:F:110:ARG:NH2	2.16	0.61
1:F:120:PHE:HD1	1:F:121:ALA:C	2.04	0.61
1:F:125:VAL:HG23	1:F:296:GLU:C	2.21	0.61
1:F:253:TRP:CH2	1:F:264:LEU:HD22	2.36	0.61
1:F:463:LEU:HD12	1:F:463:LEU:N	2.16	0.61
1:F:499:GLN:HE21	1:F:554:ILE:HG13	1.66	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:65:LEU:CD1	1:G:72:MET:HE2	2.30	0.61
1:G:235:LYS:HB2	1:G:237:TYR:CD2	2.34	0.61
1:H:37:LYS:HD2	1:H:39:ILE:HB	1.82	0.61
1:I:245:LEU:HD12	1:I:265:THR:OG1	2.00	0.61
1:I:376:PRO:HD2	1:I:470:HIS:CD2	2.36	0.61
1:I:466:TYR:CZ	1:I:470:HIS:HD2	2.19	0.61
1:J:37:LYS:HD2	1:J:39:ILE:HB	1.82	0.61
1:J:125:VAL:HG23	1:J:296:GLU:C	2.21	0.61
1:L:88:LEU:HD22	1:L:88:LEU:H	1.65	0.61
1:L:112:ARG:HH12	1:M:229:ARG:HH12	1.48	0.61
1:L:200:LEU:CD1	1:L:208:THR:HG22	2.30	0.61
1:M:88:LEU:HD22	1:M:88:LEU:H	1.65	0.61
1:M:475:LEU:HD23	1:M:478:ILE:CD1	2.31	0.61
1:N:37:LYS:HD2	1:N:39:ILE:HB	1.82	0.61
1:N:318:THR:HG22	1:N:323:ARG:HE	1.65	0.61
1:O:37:LYS:HG2	1:O:38:SER:N	2.15	0.61
1:O:112:ARG:HH12	1:P:229:ARG:HH12	1.48	0.61
1:O:393:VAL:HG12	1:O:394:ILE:N	2.15	0.61
1:P:20:GLU:O	1:P:23:PHE:HB3	2.01	0.61
1:P:125:VAL:HG23	1:P:296:GLU:C	2.21	0.61
1:P:463:LEU:HD12	1:P:463:LEU:N	2.16	0.61
1:A:88:LEU:HD22	1:A:88:LEU:H	1.65	0.60
1:A:324:LEU:O	1:A:324:LEU:HD23	2.01	0.60
1:A:381:ILE:HG12	1:A:420:ILE:O	2.01	0.60
1:A:388:LEU:HD11	1:A:449:ILE:CG1	2.31	0.60
1:A:393:VAL:HG12	1:A:394:ILE:N	2.15	0.60
1:B:88:LEU:HD22	1:B:88:LEU:H	1.65	0.60
1:B:390:TRP:CE3	1:B:402:VAL:HG12	2.36	0.60
1:C:35:MET:CG	1:C:40:LEU:HB3	2.30	0.60
1:C:92:ILE:HG12	1:C:96:GLN:NE2	2.14	0.60
1:C:388:LEU:HD11	1:C:449:ILE:CG1	2.31	0.60
1:C:562:LEU:HD22	1:C:562:LEU:N	2.15	0.60
1:D:123:TYR:O	1:D:300:LEU:HD13	2.02	0.60
1:D:318:THR:HG22	1:D:323:ARG:HE	1.65	0.60
1:D:999:UNK:N	1:D:1020:UNK:HA	2.15	0.60
1:E:125:VAL:HG23	1:E:296:GLU:C	2.21	0.60
1:E:463:LEU:HD12	1:E:463:LEU:N	2.16	0.60
1:E:563:ARG:HG2	1:E:1038:UNK:O	2.01	0.60
1:F:20:GLU:O	1:F:23:PHE:HB3	2.01	0.60
1:F:48:ILE:HG12	1:F:61:LEU:HB2	1.82	0.60
1:F:200:LEU:CD1	1:F:208:THR:HG22	2.30	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:229:ARG:HH12	1:G:112:ARG:HH12	1.48	0.60
1:G:149:ILE:CG2	1:G:265:THR:HG22	2.30	0.60
1:G:170:VAL:O	1:G:174:MET:HE2	2.01	0.60
1:G:372:LEU:HD12	1:G:412:GLU:OE2	2.00	0.60
1:H:19:PHE:HB3	1:H:20:GLU:OE2	2.01	0.60
1:H:381:ILE:HG12	1:H:420:ILE:O	2.01	0.60
1:I:20:GLU:O	1:I:23:PHE:HB3	2.01	0.60
1:I:125:VAL:HG23	1:I:296:GLU:C	2.21	0.60
1:I:563:ARG:HG2	1:I:1038:UNK:O	2.01	0.60
1:J:12:TYR:HD2	1:J:16:LEU:HD21	1.66	0.60
1:J:123:TYR:O	1:J:300:LEU:HD13	2.02	0.60
1:J:318:THR:HG22	1:J:323:ARG:HE	1.65	0.60
1:J:376:PRO:HD2	1:J:470:HIS:CD2	2.36	0.60
1:J:388:LEU:HD11	1:J:449:ILE:CG1	2.31	0.60
1:K:7:GLU:HG3	1:K:110:ARG:NH2	2.16	0.60
1:K:125:VAL:HB	1:K:297:VAL:CA	2.16	0.60
1:K:447:TYR:CE1	1:K:482:GLU:HG2	2.36	0.60
1:L:20:GLU:O	1:L:23:PHE:HB3	2.01	0.60
1:L:390:TRP:CE3	1:L:402:VAL:HG12	2.36	0.60
1:M:35:MET:CB	1:M:45:ILE:HB	2.31	0.60
1:M:183:LEU:HD21	1:M:244:LEU:HB3	1.81	0.60
1:M:324:LEU:O	1:M:324:LEU:HD23	2.01	0.60
1:M:381:ILE:HG12	1:M:420:ILE:O	2.01	0.60
1:N:19:PHE:HB3	1:N:20:GLU:OE2	2.01	0.60
1:N:381:ILE:HG12	1:N:420:ILE:O	2.01	0.60
1:O:149:ILE:CG2	1:O:265:THR:HG22	2.30	0.60
1:P:48:ILE:HG12	1:P:61:LEU:HB2	1.82	0.60
1:P:120:PHE:HD1	1:P:121:ALA:C	2.04	0.60
1:P:499:GLN:HE21	1:P:554:ILE:HG13	1.66	0.60
1:A:7:GLU:HG3	1:A:110:ARG:NH2	2.16	0.60
1:A:35:MET:CB	1:A:45:ILE:HB	2.31	0.60
1:A:120:PHE:HD1	1:A:121:ALA:C	2.04	0.60
1:A:463:LEU:HD12	1:A:463:LEU:N	2.16	0.60
1:A:532:ASP:HB2	1:A:533:PRO:HD2	1.81	0.60
1:B:11:GLN:CA	1:B:169:LYS:HD3	2.30	0.60
1:B:12:TYR:HD2	1:B:16:LEU:HD21	1.66	0.60
1:C:87:PHE:CD1	1:K:19:PHE:CE2	2.89	0.60
1:D:19:PHE:HB3	1:D:20:GLU:OE2	2.01	0.60
1:D:45:ILE:HG12	1:D:49:ILE:CD1	2.31	0.60
1:D:388:LEU:HD11	1:D:449:ILE:CG1	2.31	0.60
1:E:32:VAL:HG12	1:E:45:ILE:CG2	2.30	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:68:LYS:HB3	1:E:72:MET:HB2	1.82	0.60
1:E:245:LEU:HD12	1:E:265:THR:OG1	2.00	0.60
1:F:32:VAL:HG12	1:F:45:ILE:CG2	2.30	0.60
1:F:37:LYS:HG2	1:F:38:SER:N	2.15	0.60
1:F:463:LEU:HD13	1:F:467:PHE:CZ	2.37	0.60
1:G:123:TYR:O	1:G:300:LEU:HD13	2.02	0.60
1:G:393:VAL:HG12	1:G:394:ILE:N	2.15	0.60
1:H:123:TYR:O	1:H:300:LEU:HD13	2.02	0.60
1:H:152:VAL:HG12	1:H:153:LEU:HD22	1.82	0.60
1:H:463:LEU:HD12	1:H:463:LEU:N	2.16	0.60
1:I:68:LYS:HB3	1:I:72:MET:HB2	1.82	0.60
1:I:463:LEU:HD12	1:I:463:LEU:N	2.16	0.60
1:J:45:ILE:HG12	1:J:49:ILE:CD1	2.31	0.60
1:J:125:VAL:HB	1:J:297:VAL:CA	2.16	0.60
1:J:179:PHE:CB	1:J:242:LEU:HD22	2.18	0.60
1:J:362:PRO:HA	1:J:366:ARG:HB3	1.82	0.60
1:J:475:LEU:HD23	1:J:478:ILE:CD1	2.31	0.60
1:J:999:UNK:N	1:J:1020:UNK:HA	2.15	0.60
1:K:7:GLU:HG2	1:K:107:ILE:CB	2.24	0.60
1:K:92:ILE:HG12	1:K:96:GLN:NE2	2.14	0.60
1:K:318:THR:HG22	1:K:323:ARG:HE	1.65	0.60
1:K:388:LEU:HD11	1:K:449:ILE:CG1	2.31	0.60
1:L:12:TYR:HD2	1:L:16:LEU:HD21	1.66	0.60
1:M:7:GLU:HG3	1:M:110:ARG:NH2	2.16	0.60
1:M:11:GLN:CA	1:M:169:LYS:HD3	2.30	0.60
1:M:170:VAL:O	1:M:174:MET:HE2	2.01	0.60
1:M:388:LEU:HD11	1:M:449:ILE:CG1	2.31	0.60
1:N:149:ILE:CG2	1:N:265:THR:HG22	2.30	0.60
1:N:152:VAL:HG12	1:N:153:LEU:HD22	1.82	0.60
1:O:120:PHE:HD1	1:O:121:ALA:C	2.04	0.60
1:O:123:TYR:O	1:O:300:LEU:HD13	2.02	0.60
1:P:32:VAL:HG12	1:P:45:ILE:CG2	2.30	0.60
1:P:149:ILE:CG2	1:P:265:THR:HG22	2.30	0.60
1:P:200:LEU:CD1	1:P:208:THR:HG22	2.30	0.60
1:P:463:LEU:HD13	1:P:467:PHE:CZ	2.37	0.60
1:A:11:GLN:CA	1:A:169:LYS:HD3	2.30	0.60
1:A:92:ILE:HG12	1:A:96:GLN:NE2	2.14	0.60
1:A:112:ARG:HH12	1:H:229:ARG:HH12	1.48	0.60
1:A:170:VAL:O	1:A:174:MET:HE2	2.01	0.60
1:A:563:ARG:HG2	1:A:1038:UNK:O	2.01	0.60
1:C:125:VAL:HG23	1:C:296:GLU:C	2.21	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:141:LEU:CD1	1:D:3:PHE:HE2	2.12	0.60
1:C:158:THR:O	1:C:162:LEU:HG	2.01	0.60
1:D:280:THR:HG23	1:E:114:TYR:CG	2.16	0.60
1:D:322:ARG:NH1	1:D:322:ARG:HB2	2.17	0.60
1:D:380:HIS:HE1	1:D:464:ASP:CB	2.14	0.60
1:D:475:LEU:HD23	1:D:478:ILE:CD1	2.31	0.60
1:E:37:LYS:HG2	1:E:38:SER:N	2.15	0.60
1:E:152:VAL:HG12	1:E:153:LEU:HD22	1.82	0.60
1:E:410:LEU:HB3	1:E:423:PRO:CB	2.31	0.60
1:F:35:MET:CB	1:F:45:ILE:HB	2.31	0.60
1:F:45:ILE:HG12	1:F:49:ILE:CD1	2.31	0.60
1:F:68:LYS:HB3	1:F:72:MET:HB2	1.82	0.60
1:F:149:ILE:CG2	1:F:265:THR:HG22	2.30	0.60
1:F:381:ILE:HG12	1:F:420:ILE:O	2.01	0.60
1:G:12:TYR:HD2	1:G:16:LEU:HD21	1.66	0.60
1:G:19:PHE:CE2	1:O:87:PHE:CD1	2.88	0.60
1:G:120:PHE:HD1	1:G:121:ALA:C	2.04	0.60
1:H:7:GLU:HG3	1:H:110:ARG:NH2	2.16	0.60
1:H:19:PHE:CE2	1:P:87:PHE:CD1	2.88	0.60
1:H:149:ILE:CG2	1:H:265:THR:HG22	2.30	0.60
1:H:379:ALA:HB1	1:H:470:HIS:HE1	1.67	0.60
1:I:32:VAL:HG12	1:I:45:ILE:CG2	2.30	0.60
1:I:37:LYS:HG2	1:I:38:SER:N	2.15	0.60
1:I:48:ILE:HG12	1:I:61:LEU:HB2	1.82	0.60
1:I:120:PHE:HE1	1:I:122:LYS:HA	1.62	0.60
1:I:362:PRO:HA	1:I:366:ARG:HB3	1.82	0.60
1:J:19:PHE:HB3	1:J:20:GLU:OE2	2.01	0.60
1:J:380:HIS:HE1	1:J:464:ASP:CB	2.14	0.60
1:J:562:LEU:HD22	1:J:562:LEU:N	2.15	0.60
1:K:35:MET:CG	1:K:40:LEU:HB3	2.30	0.60
1:L:11:GLN:CA	1:L:169:LYS:HD3	2.30	0.60
1:L:410:LEU:HB3	1:L:423:PRO:CB	2.31	0.60
1:L:999:UNK:N	1:L:1020:UNK:HA	2.15	0.60
1:M:112:ARG:HH12	1:N:229:ARG:HH12	1.48	0.60
1:M:120:PHE:HD1	1:M:121:ALA:C	2.04	0.60
1:M:463:LEU:HD12	1:M:463:LEU:N	2.16	0.60
1:N:7:GLU:HG2	1:N:107:ILE:CB	2.24	0.60
1:N:7:GLU:HG3	1:N:110:ARG:NH2	2.16	0.60
1:N:88:LEU:HD22	1:N:88:LEU:H	1.65	0.60
1:N:123:TYR:O	1:N:300:LEU:HD13	2.02	0.60
1:N:324:LEU:HD23	1:N:324:LEU:O	2.01	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:379:ALA:HB1	1:N:470:HIS:HE1	1.67	0.60
1:N:463:LEU:HD12	1:N:463:LEU:N	2.16	0.60
1:N:563:ARG:HG2	1:N:1038:UNK:O	2.01	0.60
1:P:35:MET:CB	1:P:45:ILE:HB	2.31	0.60
1:P:45:ILE:HG12	1:P:49:ILE:CD1	2.31	0.60
1:P:381:ILE:HG12	1:P:420:ILE:O	2.01	0.60
1:A:69:GLN:HE21	1:A:72:MET:N	2.00	0.60
1:A:134:LEU:HD13	1:A:134:LEU:O	2.02	0.60
1:A:153:LEU:HB3	1:A:267:ARG:CD	2.31	0.60
1:A:447:TYR:CE1	1:A:482:GLU:HG2	2.36	0.60
1:B:999:UNK:N	1:B:1020:UNK:HA	2.15	0.60
1:C:7:GLU:HG2	1:C:107:ILE:CB	2.24	0.60
1:C:200:LEU:HD22	1:C:208:THR:CG2	2.29	0.60
1:C:376:PRO:HD2	1:C:470:HIS:CD2	2.36	0.60
1:D:69:GLN:HE21	1:D:72:MET:N	2.00	0.60
1:D:179:PHE:CB	1:D:242:LEU:HD22	2.18	0.60
1:D:324:LEU:O	1:D:324:LEU:HD23	2.01	0.60
1:D:362:PRO:HA	1:D:366:ARG:HB3	1.82	0.60
1:D:379:ALA:HB1	1:D:470:HIS:HE1	1.67	0.60
1:E:48:ILE:HG12	1:E:61:LEU:HB2	1.82	0.60
1:E:120:PHE:HE1	1:E:122:LYS:HA	1.62	0.60
1:E:379:ALA:HB1	1:E:470:HIS:HE1	1.67	0.60
1:E:463:LEU:HD13	1:E:467:PHE:CZ	2.37	0.60
1:F:37:LYS:HD2	1:F:39:ILE:HB	1.82	0.60
1:F:87:PHE:CD1	1:N:19:PHE:CE2	2.88	0.60
1:F:141:LEU:HD11	1:G:3:PHE:HZ	1.60	0.60
1:G:87:PHE:CD1	1:O:19:PHE:CE2	2.89	0.60
1:G:134:LEU:HD13	1:G:134:LEU:O	2.02	0.60
1:G:229:ARG:HH12	1:H:112:ARG:HH12	1.48	0.60
1:G:388:LEU:HD11	1:G:449:ILE:CG1	2.31	0.60
1:G:463:LEU:HD13	1:G:467:PHE:CZ	2.37	0.60
1:G:475:LEU:HD23	1:G:478:ILE:CD1	2.31	0.60
1:H:7:GLU:HG2	1:H:107:ILE:CB	2.24	0.60
1:H:32:VAL:HG12	1:H:45:ILE:CG2	2.30	0.60
1:H:88:LEU:HD22	1:H:88:LEU:H	1.65	0.60
1:H:324:LEU:O	1:H:324:LEU:HD23	2.01	0.60
1:H:463:LEU:HD13	1:H:467:PHE:CZ	2.37	0.60
1:H:563:ARG:HG2	1:H:1038:UNK:O	2.01	0.60
1:I:88:LEU:HD22	1:I:88:LEU:H	1.65	0.60
1:I:121:ALA:CB	3:I:1402:DTP:C2	2.79	0.60
1:I:410:LEU:HB3	1:I:423:PRO:CB	2.31	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:322:ARG:HB2	1:J:322:ARG:NH1	2.17	0.60
1:J:324:LEU:O	1:J:324:LEU:HD23	2.01	0.60
1:J:466:TYR:CZ	1:J:470:HIS:HD2	2.19	0.60
1:K:45:ILE:HG12	1:K:49:ILE:CD1	2.31	0.60
1:K:125:VAL:HG23	1:K:296:GLU:C	2.21	0.60
1:K:324:LEU:O	1:K:324:LEU:HD23	2.01	0.60
1:K:362:PRO:HA	1:K:366:ARG:HB3	1.82	0.60
1:L:563:ARG:HG2	1:L:1038:UNK:O	2.01	0.60
1:M:69:GLN:HE21	1:M:72:MET:N	2.00	0.60
1:M:153:LEU:HB3	1:M:267:ARG:CD	2.31	0.60
1:M:447:TYR:CE1	1:M:482:GLU:HG2	2.36	0.60
1:M:532:ASP:HB2	1:M:533:PRO:HD2	1.81	0.60
1:M:563:ARG:HG2	1:M:1038:UNK:O	2.01	0.60
1:N:32:VAL:HG12	1:N:45:ILE:CG2	2.30	0.60
1:N:380:HIS:HE1	1:N:464:ASP:CB	2.14	0.60
1:N:463:LEU:HD13	1:N:467:PHE:CZ	2.37	0.60
1:N:479:GLU:HB3	1:N:481:PRO:CD	2.24	0.60
1:O:12:TYR:HD2	1:O:16:LEU:HD21	1.66	0.60
1:O:376:PRO:HD2	1:O:470:HIS:CD2	2.36	0.60
1:O:463:LEU:HD13	1:O:467:PHE:CZ	2.37	0.60
1:O:475:LEU:HD23	1:O:478:ILE:CD1	2.31	0.60
1:P:37:LYS:HD2	1:P:39:ILE:HB	1.82	0.60
1:P:68:LYS:HB3	1:P:72:MET:HB2	1.82	0.60
1:P:123:TYR:O	1:P:300:LEU:HD13	2.02	0.60
1:B:410:LEU:HB3	1:B:423:PRO:CB	2.31	0.60
1:B:563:ARG:HG2	1:B:1038:UNK:O	2.01	0.60
1:C:45:ILE:HG12	1:C:49:ILE:CD1	2.31	0.60
1:C:120:PHE:HE1	1:C:122:LYS:HA	1.62	0.60
1:C:153:LEU:HB3	1:C:267:ARG:CD	2.31	0.60
1:C:322:ARG:HB2	1:C:322:ARG:NH1	2.17	0.60
1:C:324:LEU:O	1:C:324:LEU:HD23	2.01	0.60
1:C:362:PRO:HA	1:C:366:ARG:HB3	1.82	0.60
1:C:379:ALA:HB1	1:C:470:HIS:HE1	1.67	0.60
1:D:40:LEU:HD22	1:D:48:ILE:HD13	1.84	0.60
1:D:65:LEU:CD1	1:D:72:MET:HE2	2.31	0.60
1:D:562:LEU:HD22	1:D:562:LEU:N	2.15	0.60
1:E:7:GLU:HG3	1:E:110:ARG:NH2	2.16	0.60
1:E:88:LEU:HD22	1:E:88:LEU:H	1.65	0.60
1:E:121:ALA:CB	3:E:1402:DTP:C2	2.79	0.60
1:E:222:HIS:CD2	1:F:201:TYR:HB2	2.37	0.60
1:E:362:PRO:HA	1:E:366:ARG:HB3	1.82	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:88:LEU:HD22	1:F:88:LEU:H	1.65	0.60
1:F:123:TYR:O	1:F:300:LEU:HD13	2.02	0.60
1:F:134:LEU:O	1:F:134:LEU:HD13	2.02	0.60
1:G:158:THR:O	1:G:162:LEU:HG	2.01	0.60
1:G:376:PRO:HD2	1:G:470:HIS:CD2	2.36	0.60
1:H:134:LEU:HD13	1:H:134:LEU:O	2.02	0.60
1:H:380:HIS:HE1	1:H:464:ASP:CB	2.14	0.60
1:H:479:GLU:HB3	1:H:481:PRO:CD	2.24	0.60
1:I:7:GLU:HG3	1:I:110:ARG:NH2	2.16	0.60
1:I:152:VAL:HG12	1:I:153:LEU:HD22	1.82	0.60
1:I:222:HIS:CD2	1:P:201:TYR:HB2	2.37	0.60
1:I:379:ALA:HB1	1:I:470:HIS:HE1	1.67	0.60
1:I:463:LEU:HD13	1:I:467:PHE:CZ	2.37	0.60
1:J:1:MET:HE1	1:J:65:LEU:CD1	2.30	0.60
1:J:40:LEU:HD22	1:J:48:ILE:HD13	1.84	0.60
1:J:65:LEU:CD1	1:J:72:MET:HE2	2.31	0.60
1:J:69:GLN:HE21	1:J:72:MET:N	2.00	0.60
1:J:379:ALA:HB1	1:J:470:HIS:HE1	1.67	0.60
1:J:479:GLU:HB3	1:J:481:PRO:CD	2.24	0.60
1:K:153:LEU:HB3	1:K:267:ARG:CD	2.31	0.60
1:K:158:THR:O	1:K:162:LEU:HG	2.02	0.60
1:K:322:ARG:HB2	1:K:322:ARG:NH1	2.17	0.60
1:K:376:PRO:HD2	1:K:470:HIS:CD2	2.36	0.60
1:M:92:ILE:HG12	1:M:96:GLN:NE2	2.14	0.60
1:M:125:VAL:HG23	1:M:296:GLU:C	2.21	0.60
1:M:134:LEU:HD13	1:M:134:LEU:O	2.02	0.60
1:M:380:HIS:HE1	1:M:464:ASP:CB	2.14	0.60
1:M:463:LEU:HD13	1:M:467:PHE:CZ	2.37	0.60
1:N:134:LEU:HD13	1:N:134:LEU:O	2.02	0.60
1:N:158:THR:O	1:N:162:LEU:HG	2.01	0.60
1:N:298:LYS:HD2	1:N:312:LEU:CD2	2.17	0.60
1:O:3:PHE:HZ	1:P:141:LEU:HD11	1.60	0.60
1:O:134:LEU:HD13	1:O:134:LEU:O	2.02	0.60
1:O:152:VAL:HG12	1:O:153:LEU:HD22	1.82	0.60
1:P:402:VAL:HG23	1:P:403:ASN:N	2.16	0.60
1:A:45:ILE:HG12	1:A:49:ILE:CD1	2.31	0.60
1:A:123:TYR:O	1:A:300:LEU:HD13	2.02	0.60
1:A:125:VAL:HG23	1:A:296:GLU:C	2.21	0.60
1:A:222:HIS:CD2	1:B:201:TYR:HB2	2.37	0.60
1:A:228:LEU:O	1:A:232:LEU:HD13	2.02	0.60
1:A:402:VAL:HG23	1:A:403:ASN:N	2.16	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:463:LEU:HD13	1:A:467:PHE:CZ	2.37	0.60
1:B:123:TYR:CB	1:B:303:LYS:HB3	2.31	0.60
1:B:379:ALA:HB1	1:B:470:HIS:HE1	1.67	0.60
1:B:475:LEU:HD23	1:B:478:ILE:CD1	2.31	0.60
1:C:125:VAL:HB	1:C:297:VAL:CA	2.16	0.60
1:C:390:TRP:CD1	1:C:398:VAL:HB	2.34	0.60
1:D:7:GLU:HG3	1:D:110:ARG:NH2	2.16	0.60
1:D:381:ILE:HG12	1:D:420:ILE:O	2.01	0.60
1:D:447:TYR:CE1	1:D:482:GLU:HG2	2.36	0.60
1:D:466:TYR:CZ	1:D:470:HIS:HD2	2.19	0.60
1:E:322:ARG:NH1	1:E:322:ARG:HB2	2.17	0.60
1:E:324:LEU:O	1:E:324:LEU:HD23	2.01	0.60
1:F:324:LEU:O	1:F:324:LEU:HD23	2.01	0.60
1:F:402:VAL:HG23	1:F:403:ASN:N	2.16	0.60
1:G:152:VAL:HG12	1:G:153:LEU:HD22	1.82	0.60
1:G:381:ILE:HG12	1:G:420:ILE:O	2.01	0.60
1:H:158:THR:O	1:H:162:LEU:HG	2.01	0.60
1:I:125:VAL:HB	1:I:297:VAL:CA	2.16	0.60
1:I:322:ARG:NH1	1:I:322:ARG:HB2	2.17	0.60
1:I:324:LEU:O	1:I:324:LEU:HD23	2.01	0.60
1:J:7:GLU:HG3	1:J:110:ARG:NH2	2.16	0.60
1:J:68:LYS:HB3	1:J:72:MET:HB2	1.82	0.60
1:J:447:TYR:CE1	1:J:482:GLU:HG2	2.36	0.60
1:K:200:LEU:HD22	1:K:208:THR:CG2	2.29	0.60
1:K:379:ALA:HB1	1:K:470:HIS:HE1	1.67	0.60
1:K:390:TRP:CD1	1:K:398:VAL:HB	2.35	0.60
1:L:69:GLN:HE21	1:L:72:MET:N	2.00	0.60
1:L:123:TYR:CB	1:L:303:LYS:HB3	2.31	0.60
1:L:475:LEU:HD23	1:L:478:ILE:CD1	2.31	0.60
1:M:45:ILE:HG12	1:M:49:ILE:CD1	2.31	0.60
1:M:123:TYR:O	1:M:300:LEU:HD13	2.02	0.60
1:M:123:TYR:CB	1:M:303:LYS:HB3	2.31	0.60
1:M:228:LEU:O	1:M:232:LEU:HD13	2.02	0.60
1:N:20:GLU:O	1:N:23:PHE:HB3	2.01	0.60
1:N:112:ARG:HH12	1:O:229:ARG:HH12	1.48	0.60
1:O:381:ILE:HG12	1:O:420:ILE:O	2.01	0.60
1:O:388:LEU:HD11	1:O:449:ILE:CG1	2.31	0.60
1:P:88:LEU:HD22	1:P:88:LEU:H	1.65	0.60
1:P:134:LEU:HD13	1:P:134:LEU:O	2.02	0.60
1:P:324:LEU:O	1:P:324:LEU:HD23	2.01	0.60
1:P:475:LEU:HD23	1:P:478:ILE:CD1	2.31	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:380:HIS:HE1	1:A:464:ASP:CB	2.14	0.60
1:B:69:GLN:HE21	1:B:72:MET:N	2.00	0.60
1:C:192:VAL:HG23	1:C:193:LEU:N	2.17	0.60
1:C:410:LEU:HB3	1:C:423:PRO:CB	2.31	0.60
1:D:68:LYS:HB3	1:D:72:MET:HB2	1.82	0.60
1:D:125:VAL:HB	1:D:297:VAL:CA	2.16	0.60
1:D:158:THR:O	1:D:162:LEU:HG	2.01	0.60
1:E:253:TRP:CH2	1:E:264:LEU:HD22	2.36	0.60
1:F:158:THR:O	1:F:162:LEU:HG	2.01	0.60
1:G:88:LEU:HD22	1:G:88:LEU:H	1.65	0.60
1:G:563:ARG:HG2	1:G:1038:UNK:O	2.01	0.60
1:H:12:TYR:HD2	1:H:16:LEU:HD21	1.66	0.60
1:H:123:TYR:CB	1:H:303:LYS:HB3	2.31	0.60
1:H:562:LEU:HD22	1:H:562:LEU:N	2.15	0.60
1:I:499:GLN:HE21	1:I:554:ILE:HG13	1.66	0.60
1:K:123:TYR:CB	1:K:303:LYS:HB3	2.31	0.60
1:K:192:VAL:HG23	1:K:193:LEU:N	2.17	0.60
1:K:463:LEU:HD12	1:K:463:LEU:N	2.16	0.60
1:L:134:LEU:HD13	1:L:134:LEU:O	2.02	0.60
1:L:201:TYR:HB2	1:M:222:HIS:CD2	2.37	0.60
1:L:228:LEU:O	1:L:232:LEU:HD13	2.02	0.60
1:L:253:TRP:CH2	1:L:264:LEU:HD22	2.36	0.60
1:L:379:ALA:HB1	1:L:470:HIS:HE1	1.67	0.60
1:L:447:TYR:CE1	1:L:482:GLU:HG2	2.36	0.60
1:M:152:VAL:HG12	1:M:153:LEU:HD22	1.82	0.60
1:M:402:VAL:HG23	1:M:403:ASN:N	2.16	0.60
1:M:562:LEU:HD22	1:M:562:LEU:N	2.15	0.60
1:N:562:LEU:HD22	1:N:562:LEU:N	2.15	0.60
1:O:88:LEU:HD22	1:O:88:LEU:H	1.65	0.60
1:O:158:THR:O	1:O:162:LEU:HG	2.02	0.60
1:P:362:PRO:HA	1:P:366:ARG:HB3	1.82	0.60
1:A:123:TYR:CB	1:A:303:LYS:HB3	2.31	0.60
1:A:152:VAL:HG12	1:A:153:LEU:HD22	1.82	0.60
1:A:201:TYR:HB2	1:H:222:HIS:CD2	2.37	0.60
1:B:45:ILE:HG12	1:B:49:ILE:CD1	2.31	0.60
1:B:134:LEU:O	1:B:134:LEU:HD13	2.02	0.60
1:B:228:LEU:O	1:B:232:LEU:HD13	2.02	0.60
1:B:447:TYR:CE1	1:B:482:GLU:HG2	2.36	0.60
1:C:35:MET:CB	1:C:45:ILE:HB	2.31	0.60
1:C:123:TYR:O	1:C:300:LEU:HD13	2.02	0.60
1:C:123:TYR:CB	1:C:303:LYS:HB3	2.31	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:463:LEU:HD12	1:C:463:LEU:N	2.16	0.60
1:C:499:GLN:HE21	1:C:554:ILE:HG13	1.66	0.60
1:D:123:TYR:CB	1:D:303:LYS:HB3	2.31	0.60
1:D:385:LEU:HD21	1:D:467:PHE:CE1	2.37	0.60
1:E:35:MET:CB	1:E:45:ILE:HB	2.31	0.60
1:E:388:LEU:HD11	1:E:449:ILE:CG1	2.31	0.60
1:E:402:VAL:HG23	1:E:403:ASN:N	2.16	0.60
1:E:499:GLN:HE21	1:E:554:ILE:HG13	1.66	0.60
1:F:80:VAL:HG13	1:F:89:MET:CB	2.32	0.60
1:F:123:TYR:CB	1:F:303:LYS:HB3	2.31	0.60
1:F:372:LEU:HD12	1:F:412:GLU:OE2	2.00	0.60
1:F:379:ALA:HB1	1:F:470:HIS:HE1	1.67	0.60
1:F:475:LEU:HD23	1:F:478:ILE:CD1	2.31	0.60
1:F:482:GLU:O	1:F:486:LEU:HD23	2.02	0.60
1:G:192:VAL:HG23	1:G:193:LEU:N	2.17	0.60
1:G:200:LEU:CD1	1:G:208:THR:HG22	2.29	0.60
1:H:20:GLU:O	1:H:23:PHE:HB3	2.01	0.60
1:H:52:LYS:HB2	1:H:52:LYS:NZ	2.17	0.60
1:H:298:LYS:HD2	1:H:312:LEU:CD2	2.17	0.60
1:I:19:PHE:HB3	1:I:20:GLU:OE2	2.01	0.60
1:I:114:TYR:CG	1:J:280:THR:HG23	2.16	0.60
1:I:201:TYR:HB2	1:J:222:HIS:CD2	2.37	0.60
1:I:253:TRP:CH2	1:I:264:LEU:HD22	2.36	0.60
1:J:35:MET:CB	1:J:45:ILE:HB	2.31	0.60
1:J:37:LYS:HG2	1:J:38:SER:N	2.15	0.60
1:J:158:THR:O	1:J:162:LEU:HG	2.01	0.60
1:J:381:ILE:HG12	1:J:420:ILE:O	2.01	0.60
1:J:385:LEU:HD21	1:J:467:PHE:CE1	2.37	0.60
1:K:19:PHE:HB3	1:K:20:GLU:OE2	2.01	0.60
1:K:35:MET:CB	1:K:45:ILE:HB	2.31	0.60
1:K:120:PHE:HE1	1:K:122:LYS:HA	1.62	0.60
1:K:380:HIS:HE1	1:K:464:ASP:CB	2.14	0.60
1:K:482:GLU:O	1:K:486:LEU:HD23	2.02	0.60
1:K:499:GLN:HE21	1:K:554:ILE:HG13	1.66	0.60
1:L:65:LEU:CD1	1:L:72:MET:HE2	2.30	0.60
1:M:201:TYR:HB2	1:N:222:HIS:CD2	2.37	0.60
1:N:52:LYS:HB2	1:N:52:LYS:NZ	2.17	0.60
1:N:120:PHE:HD1	1:N:121:ALA:C	2.04	0.60
1:N:123:TYR:CB	1:N:303:LYS:HB3	2.31	0.60
1:N:153:LEU:HB3	1:N:267:ARG:CD	2.31	0.60
1:N:201:TYR:HB2	1:O:222:HIS:CD2	2.37	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:200:LEU:CD1	1:O:208:THR:HG22	2.29	0.60
1:O:563:ARG:HG2	1:O:1038:UNK:O	2.01	0.60
1:P:158:THR:O	1:P:162:LEU:HG	2.01	0.60
1:P:379:ALA:HB1	1:P:470:HIS:HE1	1.67	0.60
1:P:482:GLU:O	1:P:486:LEU:HD23	2.02	0.60
1:A:158:THR:O	1:A:162:LEU:HG	2.01	0.60
1:A:280:THR:H	1:B:114:TYR:HB3	1.67	0.60
1:A:562:LEU:HD22	1:A:562:LEU:N	2.15	0.60
1:B:149:ILE:CG2	1:B:265:THR:HG22	2.30	0.60
1:B:253:TRP:CH2	1:B:264:LEU:HD22	2.36	0.60
1:C:227:GLU:O	1:C:231:LEU:HD12	2.02	0.60
1:D:35:MET:CB	1:D:45:ILE:HB	2.31	0.60
1:D:37:LYS:HG2	1:D:38:SER:N	2.15	0.60
1:D:222:HIS:CD2	1:E:201:TYR:HB2	2.37	0.60
1:D:390:TRP:CE3	1:D:402:VAL:HG12	2.36	0.60
1:D:479:GLU:HB3	1:D:481:PRO:CD	2.24	0.60
1:E:19:PHE:HB3	1:E:20:GLU:OE2	2.01	0.60
1:E:80:VAL:HG13	1:E:89:MET:CB	2.32	0.60
1:E:318:THR:HG22	1:E:323:ARG:HE	1.65	0.60
1:E:381:ILE:HG12	1:E:420:ILE:O	2.01	0.60
1:E:562:LEU:HD22	1:E:562:LEU:N	2.15	0.60
1:F:19:PHE:HZ	1:N:87:PHE:HB2	1.48	0.60
1:F:132:LEU:HD12	1:F:135:ARG:CZ	2.32	0.60
1:G:222:HIS:CD2	1:H:201:TYR:HB2	2.37	0.60
1:G:228:LEU:O	1:G:232:LEU:HD13	2.02	0.60
1:H:153:LEU:HB3	1:H:267:ARG:CD	2.31	0.60
1:H:390:TRP:CE3	1:H:402:VAL:HG12	2.36	0.60
1:I:35:MET:CB	1:I:45:ILE:HB	2.31	0.60
1:I:69:GLN:HE21	1:I:72:MET:N	2.00	0.60
1:I:80:VAL:HG13	1:I:89:MET:CB	2.32	0.60
1:I:123:TYR:O	1:I:300:LEU:HD13	2.02	0.60
1:I:381:ILE:HG12	1:I:420:ILE:O	2.01	0.60
1:I:388:LEU:HD11	1:I:449:ILE:CG1	2.31	0.60
1:I:562:LEU:HD22	1:I:562:LEU:N	2.15	0.60
1:J:52:LYS:HB2	1:J:52:LYS:NZ	2.17	0.60
1:J:123:TYR:CB	1:J:303:LYS:HB3	2.31	0.60
1:J:390:TRP:CE3	1:J:402:VAL:HG12	2.36	0.60
1:J:482:GLU:O	1:J:486:LEU:HD23	2.02	0.60
1:K:123:TYR:O	1:K:300:LEU:HD13	2.02	0.60
1:K:227:GLU:O	1:K:231:LEU:HD12	2.02	0.60
1:K:410:LEU:HB3	1:K:423:PRO:CB	2.31	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:114:TYR:HB3	1:M:280:THR:H	1.67	0.60
1:L:362:PRO:HA	1:L:366:ARG:HB3	1.82	0.60
1:L:463:LEU:HD13	1:L:467:PHE:CZ	2.37	0.60
1:M:158:THR:O	1:M:162:LEU:HG	2.02	0.60
1:M:376:PRO:HD2	1:M:470:HIS:CD2	2.36	0.60
1:M:379:ALA:HB1	1:M:470:HIS:HE1	1.67	0.60
1:N:12:TYR:HD2	1:N:16:LEU:HD21	1.66	0.60
1:N:45:ILE:HG12	1:N:49:ILE:CD1	2.31	0.60
1:N:242:LEU:HB2	1:N:262:ILE:HD13	1.84	0.60
1:O:20:GLU:O	1:O:23:PHE:HB3	2.01	0.60
1:O:69:GLN:HE21	1:O:72:MET:N	2.00	0.60
1:O:192:VAL:HG23	1:O:193:LEU:N	2.17	0.60
1:P:80:VAL:HG13	1:P:89:MET:CB	2.32	0.60
1:P:123:TYR:CB	1:P:303:LYS:HB3	2.31	0.60
1:P:132:LEU:HD12	1:P:135:ARG:CZ	2.32	0.60
1:P:153:LEU:HB3	1:P:267:ARG:CD	2.31	0.60
1:A:376:PRO:HD2	1:A:470:HIS:CD2	2.36	0.60
1:A:379:ALA:HB1	1:A:470:HIS:HE1	1.67	0.60
1:B:65:LEU:CD1	1:B:72:MET:HE2	2.30	0.60
1:B:249:ASN:ND2	1:B:251:LYS:HG2	2.17	0.60
1:B:463:LEU:HD13	1:B:467:PHE:CZ	2.37	0.60
1:C:19:PHE:HB3	1:C:20:GLU:OE2	2.01	0.60
1:C:381:ILE:HG12	1:C:420:ILE:O	2.01	0.60
1:C:385:LEU:HD21	1:C:467:PHE:CE1	2.37	0.60
1:C:390:TRP:CE3	1:C:402:VAL:HG12	2.36	0.60
1:C:482:GLU:O	1:C:486:LEU:HD23	2.02	0.60
1:D:20:GLU:O	1:D:23:PHE:HB3	2.01	0.60
1:D:52:LYS:HB2	1:D:52:LYS:NZ	2.17	0.60
1:D:153:LEU:HB3	1:D:267:ARG:CD	2.31	0.60
1:D:249:ASN:ND2	1:D:251:LYS:HG2	2.17	0.60
1:D:279:THR:HG22	1:E:115:ASN:HA	1.84	0.60
1:D:410:LEU:HB3	1:D:423:PRO:CB	2.31	0.60
1:D:463:LEU:HD13	1:D:467:PHE:CZ	2.37	0.60
1:D:482:GLU:O	1:D:486:LEU:HD23	2.02	0.60
1:E:69:GLN:HE21	1:E:72:MET:N	2.00	0.60
1:E:227:GLU:O	1:E:231:LEU:HD12	2.02	0.60
1:F:153:LEU:HB3	1:F:267:ARG:CD	2.31	0.60
1:F:362:PRO:HA	1:F:366:ARG:HB3	1.82	0.60
1:G:45:ILE:HG12	1:G:49:ILE:CD1	2.31	0.60
1:G:69:GLN:HE21	1:G:72:MET:N	2.00	0.60
1:G:379:ALA:HB1	1:G:470:HIS:HE1	1.67	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:479:GLU:HB3	1:G:481:PRO:CD	2.24	0.60
1:H:45:ILE:HG12	1:H:49:ILE:CD1	2.31	0.60
1:H:120:PHE:HD1	1:H:121:ALA:C	2.04	0.60
1:H:499:GLN:HE21	1:H:554:ILE:HG13	1.66	0.60
1:I:115:ASN:HA	1:J:279:THR:HG22	1.84	0.60
1:I:227:GLU:O	1:I:231:LEU:HD12	2.02	0.60
1:I:402:VAL:HG23	1:I:403:ASN:N	2.16	0.60
1:J:249:ASN:ND2	1:J:251:LYS:HG2	2.17	0.60
1:J:410:LEU:HB3	1:J:423:PRO:CB	2.31	0.60
1:K:69:GLN:HE21	1:K:72:MET:N	2.00	0.60
1:K:385:LEU:HD21	1:K:467:PHE:CE1	2.37	0.60
1:L:45:ILE:HG12	1:L:49:ILE:CD1	2.31	0.60
1:L:149:ILE:CG2	1:L:265:THR:HG22	2.30	0.60
1:L:158:THR:O	1:L:162:LEU:HG	2.01	0.60
1:L:249:ASN:ND2	1:L:251:LYS:HG2	2.17	0.60
1:L:381:ILE:HG12	1:L:420:ILE:O	2.01	0.60
1:L:482:GLU:O	1:L:486:LEU:HD23	2.02	0.60
1:M:115:ASN:HA	1:N:279:THR:HG22	1.84	0.60
1:M:200:LEU:CD1	1:M:208:THR:HG22	2.29	0.60
1:M:362:PRO:HA	1:M:366:ARG:HB3	1.82	0.60
1:M:390:TRP:CE3	1:M:402:VAL:HG12	2.36	0.60
1:N:362:PRO:HA	1:N:366:ARG:HB3	1.82	0.60
1:N:390:TRP:CE3	1:N:402:VAL:HG12	2.36	0.60
1:O:228:LEU:O	1:O:232:LEU:HD13	2.02	0.60
1:O:479:GLU:HB3	1:O:481:PRO:CD	2.24	0.60
1:P:372:LEU:HD12	1:P:412:GLU:OE2	2.00	0.60
1:A:115:ASN:HA	1:H:279:THR:HG22	1.84	0.59
1:A:253:TRP:CE3	1:A:275:LEU:HG	2.26	0.59
1:A:362:PRO:HA	1:A:366:ARG:HB3	1.82	0.59
1:A:372:LEU:HD12	1:A:412:GLU:OE2	2.00	0.59
1:A:390:TRP:CE3	1:A:402:VAL:HG12	2.36	0.59
1:B:40:LEU:HD22	1:B:48:ILE:HD13	1.84	0.59
1:B:158:THR:O	1:B:162:LEU:HG	2.01	0.59
1:B:242:LEU:HB2	1:B:262:ILE:HD13	1.84	0.59
1:B:362:PRO:HA	1:B:366:ARG:HB3	1.82	0.59
1:B:381:ILE:HG12	1:B:420:ILE:O	2.01	0.59
1:B:463:LEU:HD12	1:B:463:LEU:N	2.16	0.59
1:C:11:GLN:CA	1:C:169:LYS:HD3	2.30	0.59
1:C:20:GLU:O	1:C:23:PHE:HB3	2.01	0.59
1:C:69:GLN:HE21	1:C:72:MET:N	2.00	0.59
1:C:280:THR:H	1:D:114:TYR:HB3	1.67	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:380:HIS:HE1	1:C:464:ASP:CB	2.14	0.59
1:D:563:ARG:HG2	1:D:1038:UNK:O	2.01	0.59
1:E:123:TYR:O	1:E:300:LEU:HD13	2.02	0.59
1:E:134:LEU:HD13	1:E:134:LEU:O	2.02	0.59
1:E:158:THR:O	1:E:162:LEU:HG	2.01	0.59
1:F:121:ALA:CB	3:F:1402:DTP:C2	2.79	0.59
1:F:200:LEU:HD22	1:F:208:THR:CG2	2.29	0.59
1:F:390:TRP:CE3	1:F:402:VAL:HG12	2.36	0.59
1:F:581:VAL:HG22	1:F:582:GLN:N	2.17	0.59
1:G:20:GLU:O	1:G:23:PHE:HB3	2.01	0.59
1:G:37:LYS:HD2	1:G:39:ILE:HB	1.82	0.59
1:G:123:TYR:CB	1:G:303:LYS:HB3	2.31	0.59
1:G:132:LEU:HD12	1:G:135:ARG:CZ	2.32	0.59
1:G:227:GLU:O	1:G:231:LEU:HD12	2.02	0.59
1:G:242:LEU:HB2	1:G:262:ILE:HD13	1.84	0.59
1:H:87:PHE:HB2	1:P:19:PHE:HZ	1.48	0.59
1:H:134:LEU:CD2	1:H:147:VAL:HG11	2.32	0.59
1:H:227:GLU:O	1:H:231:LEU:HD12	2.02	0.59
1:H:322:ARG:NH1	1:H:322:ARG:HB2	2.17	0.59
1:H:362:PRO:HA	1:H:366:ARG:HB3	1.82	0.59
1:H:459:ILE:HD12	1:H:497:LEU:CD1	2.33	0.59
1:I:380:HIS:HE1	1:I:464:ASP:CB	2.14	0.59
1:I:380:HIS:NE2	1:I:419:THR:HG21	2.17	0.59
1:J:20:GLU:O	1:J:23:PHE:HB3	2.01	0.59
1:J:114:TYR:HB3	1:K:280:THR:H	1.67	0.59
1:J:170:VAL:O	1:J:174:MET:HE2	2.01	0.59
1:J:463:LEU:HD13	1:J:467:PHE:CZ	2.37	0.59
1:L:499:GLN:HE21	1:L:554:ILE:HG13	1.66	0.59
1:M:482:GLU:O	1:M:486:LEU:HD23	2.02	0.59
1:N:200:LEU:CD1	1:N:208:THR:HG22	2.30	0.59
1:N:227:GLU:O	1:N:231:LEU:HD12	2.02	0.59
1:N:459:ILE:HD12	1:N:497:LEU:CD1	2.33	0.59
1:O:37:LYS:HD2	1:O:39:ILE:HB	1.82	0.59
1:O:45:ILE:HG12	1:O:49:ILE:CD1	2.31	0.59
1:O:52:LYS:HB2	1:O:52:LYS:NZ	2.17	0.59
1:O:123:TYR:CB	1:O:303:LYS:HB3	2.31	0.59
1:O:227:GLU:O	1:O:231:LEU:HD12	2.02	0.59
1:O:242:LEU:HB2	1:O:262:ILE:HD13	1.84	0.59
1:P:19:PHE:HB3	1:P:20:GLU:OE2	2.01	0.59
1:P:152:VAL:HG12	1:P:153:LEU:HD22	1.82	0.59
1:P:581:VAL:HG22	1:P:582:GLN:N	2.17	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:200:LEU:CD1	1:A:208:THR:HG22	2.29	0.59
1:A:482:GLU:O	1:A:486:LEU:HD23	2.02	0.59
1:B:125:VAL:HG23	1:B:296:GLU:C	2.21	0.59
1:B:280:THR:H	1:C:114:TYR:HB3	1.67	0.59
1:B:324:LEU:O	1:B:324:LEU:HD23	2.01	0.59
1:B:482:GLU:O	1:B:486:LEU:HD23	2.02	0.59
1:C:297:VAL:O	1:C:300:LEU:HG	2.03	0.59
1:D:192:VAL:HG23	1:D:193:LEU:N	2.17	0.59
1:E:37:LYS:HD2	1:E:39:ILE:HB	1.82	0.59
1:E:125:VAL:HB	1:E:297:VAL:CA	2.16	0.59
1:E:297:VAL:O	1:E:300:LEU:HG	2.03	0.59
1:E:380:HIS:NE2	1:E:419:THR:HG21	2.17	0.59
1:E:381:ILE:CB	1:E:466:TYR:HD2	2.15	0.59
1:E:390:TRP:CE3	1:E:402:VAL:HG12	2.36	0.59
1:E:562:LEU:HD12	1:E:577:ALA:O	2.03	0.59
1:F:69:GLN:HE21	1:F:72:MET:N	2.00	0.59
1:F:134:LEU:CD2	1:F:147:VAL:HG11	2.32	0.59
1:G:52:LYS:HB2	1:G:52:LYS:NZ	2.17	0.59
1:G:365:TYR:CD2	1:G:401:VAL:HG13	2.38	0.59
1:H:200:LEU:CD1	1:H:208:THR:HG22	2.30	0.59
1:I:12:TYR:HD2	1:I:16:LEU:HD21	1.66	0.59
1:I:37:LYS:HD2	1:I:39:ILE:HB	1.82	0.59
1:I:134:LEU:HD13	1:I:134:LEU:O	2.02	0.59
1:I:297:VAL:O	1:I:300:LEU:HG	2.03	0.59
1:I:318:THR:HG22	1:I:323:ARG:HE	1.65	0.59
1:I:562:LEU:HD12	1:I:577:ALA:O	2.03	0.59
1:J:153:LEU:HB3	1:J:267:ARG:CD	2.31	0.59
1:J:381:ILE:CB	1:J:466:TYR:HD2	2.15	0.59
1:J:390:TRP:HD1	1:J:398:VAL:HB	1.67	0.59
1:K:381:ILE:HG12	1:K:420:ILE:O	2.01	0.59
1:K:390:TRP:CE3	1:K:402:VAL:HG12	2.36	0.59
1:L:40:LEU:HD22	1:L:48:ILE:HD13	1.84	0.59
1:L:242:LEU:HB2	1:L:262:ILE:HD13	1.84	0.59
1:M:19:PHE:HB3	1:M:20:GLU:OE2	2.01	0.59
1:M:134:LEU:CD2	1:M:147:VAL:HG11	2.33	0.59
1:N:134:LEU:CD2	1:N:147:VAL:HG11	2.32	0.59
1:N:322:ARG:HB2	1:N:322:ARG:NH1	2.17	0.59
1:O:132:LEU:HD12	1:O:135:ARG:CZ	2.32	0.59
1:O:365:TYR:CD2	1:O:401:VAL:HG13	2.38	0.59
1:O:379:ALA:HB1	1:O:470:HIS:HE1	1.67	0.59
1:P:121:ALA:CB	3:P:1402:DTP:C2	2.79	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:134:LEU:CD2	1:P:147:VAL:HG11	2.32	0.59
1:P:192:VAL:HG23	1:P:193:LEU:N	2.17	0.59
1:P:380:HIS:HE1	1:P:464:ASP:CB	2.14	0.59
1:P:390:TRP:CE3	1:P:402:VAL:HG12	2.36	0.59
1:A:134:LEU:CD2	1:A:147:VAL:HG11	2.33	0.59
1:A:479:GLU:HB3	1:A:481:PRO:CD	2.24	0.59
1:B:222:HIS:CD2	1:C:201:TYR:HB2	2.37	0.59
1:B:365:TYR:CD2	1:B:401:VAL:HG13	2.38	0.59
1:B:499:GLN:HE21	1:B:554:ILE:HG13	1.66	0.59
1:B:562:LEU:HD12	1:B:577:ALA:O	2.03	0.59
1:C:121:ALA:CB	3:C:1402:DTP:C2	2.79	0.59
1:D:280:THR:H	1:E:114:TYR:HB3	1.67	0.59
1:D:380:HIS:NE2	1:D:419:THR:HG21	2.17	0.59
1:D:381:ILE:CB	1:D:466:TYR:HD2	2.15	0.59
1:D:390:TRP:HD1	1:D:398:VAL:HB	1.67	0.59
1:D:581:VAL:HG22	1:D:582:GLN:N	2.17	0.59
1:E:123:TYR:CB	1:E:303:LYS:HB3	2.31	0.59
1:E:380:HIS:HE1	1:E:464:ASP:CB	2.14	0.59
1:F:19:PHE:HB3	1:F:20:GLU:OE2	2.01	0.59
1:F:152:VAL:HG12	1:F:153:LEU:HD22	1.82	0.59
1:F:192:VAL:HG23	1:F:193:LEU:N	2.17	0.59
1:F:380:HIS:HE1	1:F:464:ASP:CB	2.14	0.59
1:F:467:PHE:O	1:F:471:ILE:HG22	2.03	0.59
1:F:515:LEU:HD13	1:F:519:GLN:CB	2.33	0.59
1:G:297:VAL:O	1:G:300:LEU:HG	2.03	0.59
1:G:324:LEU:O	1:G:324:LEU:HD23	2.01	0.59
1:G:390:TRP:CE3	1:G:402:VAL:HG12	2.36	0.59
1:G:562:LEU:HD12	1:G:577:ALA:O	2.03	0.59
1:I:114:TYR:HB3	1:J:280:THR:H	1.67	0.59
1:I:158:THR:O	1:I:162:LEU:HG	2.01	0.59
1:I:381:ILE:CB	1:I:466:TYR:HD2	2.15	0.59
1:I:390:TRP:CE3	1:I:402:VAL:HG12	2.36	0.59
1:J:35:MET:CG	1:J:40:LEU:CB	2.81	0.59
1:J:563:ARG:HG2	1:J:1038:UNK:O	2.01	0.59
1:K:11:GLN:CA	1:K:169:LYS:HD3	2.30	0.59
1:K:20:GLU:O	1:K:23:PHE:HB3	2.01	0.59
1:K:297:VAL:O	1:K:300:LEU:HG	2.03	0.59
1:L:7:GLU:HG2	1:L:107:ILE:CB	2.24	0.59
1:L:35:MET:CB	1:L:45:ILE:HB	2.31	0.59
1:L:365:TYR:CD2	1:L:401:VAL:HG13	2.38	0.59
1:L:463:LEU:HD12	1:L:463:LEU:N	2.16	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:372:LEU:HD12	1:M:412:GLU:OE2	2.00	0.59
1:O:249:ASN:ND2	1:O:251:LYS:HG2	2.17	0.59
1:O:297:VAL:O	1:O:300:LEU:HG	2.03	0.59
1:O:380:HIS:HE1	1:O:464:ASP:CB	2.14	0.59
1:O:463:LEU:HD12	1:O:463:LEU:N	2.16	0.59
1:O:515:LEU:HD13	1:O:519:GLN:CB	2.33	0.59
1:O:541:ALA:HA	1:O:544:ASP:OD2	2.03	0.59
1:O:562:LEU:HD12	1:O:577:ALA:O	2.03	0.59
1:P:69:GLN:HE21	1:P:72:MET:N	2.00	0.59
1:P:193:LEU:HD21	1:P:221:ILE:CG2	2.29	0.59
1:P:381:ILE:CB	1:P:466:TYR:HD2	2.15	0.59
1:P:467:PHE:O	1:P:471:ILE:HG22	2.03	0.59
1:P:515:LEU:HD13	1:P:519:GLN:CB	2.33	0.59
1:A:19:PHE:CG	1:A:88:LEU:HD21	2.38	0.59
1:A:19:PHE:HB3	1:A:20:GLU:OE2	2.01	0.59
1:A:52:LYS:HB2	1:A:52:LYS:NZ	2.17	0.59
1:A:192:VAL:HG23	1:A:193:LEU:N	2.17	0.59
1:A:242:LEU:HB2	1:A:262:ILE:HD13	1.84	0.59
1:A:279:THR:HG22	1:B:115:ASN:HA	1.84	0.59
1:B:35:MET:CB	1:B:45:ILE:HB	2.31	0.59
1:C:134:LEU:HD13	1:C:134:LEU:O	2.02	0.59
1:C:449:ILE:C	1:C:449:ILE:HD13	2.23	0.59
1:C:467:PHE:O	1:C:471:ILE:HG22	2.03	0.59
1:D:35:MET:CG	1:D:40:LEU:CB	2.81	0.59
1:D:134:LEU:CD2	1:D:147:VAL:HG11	2.32	0.59
1:D:365:TYR:CD2	1:D:401:VAL:HG13	2.38	0.59
1:D:499:GLN:HE21	1:D:554:ILE:HG13	1.66	0.59
1:E:52:LYS:HB2	1:E:52:LYS:NZ	2.17	0.59
1:E:365:TYR:CD2	1:E:401:VAL:HG13	2.38	0.59
1:E:458:LEU:HD11	1:E:576:GLU:OE2	2.03	0.59
1:E:515:LEU:HD13	1:E:519:GLN:CB	2.33	0.59
1:F:193:LEU:HD21	1:F:221:ILE:CG2	2.29	0.59
1:F:249:ASN:ND2	1:F:251:LYS:HG2	2.17	0.59
1:F:297:VAL:O	1:F:300:LEU:HG	2.03	0.59
1:G:249:ASN:ND2	1:G:251:LYS:HG2	2.17	0.59
1:G:459:ILE:HD12	1:G:497:LEU:CD1	2.33	0.59
1:G:463:LEU:HD12	1:G:463:LEU:N	2.16	0.59
1:G:515:LEU:HD13	1:G:519:GLN:CB	2.33	0.59
1:G:541:ALA:HA	1:G:544:ASP:OD2	2.03	0.59
1:H:249:ASN:ND2	1:H:251:LYS:HG2	2.17	0.59
1:H:483:ARG:HH11	1:H:531:ASN:ND2	2.01	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:45:ILE:HG12	1:I:49:ILE:CD1	2.31	0.59
1:I:52:LYS:HB2	1:I:52:LYS:NZ	2.17	0.59
1:I:123:TYR:CB	1:I:303:LYS:HB3	2.31	0.59
1:I:132:LEU:HD12	1:I:135:ARG:CZ	2.32	0.59
1:I:365:TYR:CD2	1:I:401:VAL:HG13	2.38	0.59
1:I:385:LEU:HD21	1:I:467:PHE:CE1	2.37	0.59
1:I:458:LEU:HD11	1:I:576:GLU:OE2	2.03	0.59
1:I:515:LEU:HD13	1:I:519:GLN:CB	2.33	0.59
1:J:88:LEU:HD22	1:J:88:LEU:H	1.65	0.59
1:J:192:VAL:HG23	1:J:193:LEU:N	2.17	0.59
1:J:365:TYR:CD2	1:J:401:VAL:HG13	2.38	0.59
1:J:380:HIS:NE2	1:J:419:THR:HG21	2.17	0.59
1:J:581:VAL:HG22	1:J:582:GLN:N	2.17	0.59
1:K:52:LYS:HB2	1:K:52:LYS:NZ	2.17	0.59
1:K:65:LEU:CD1	1:K:72:MET:HE2	2.32	0.59
1:K:114:TYR:HB3	1:L:280:THR:H	1.67	0.59
1:K:201:TYR:HB2	1:L:222:HIS:CD2	2.37	0.59
1:K:402:VAL:HG23	1:K:403:ASN:N	2.16	0.59
1:K:449:ILE:C	1:K:449:ILE:HD13	2.23	0.59
1:L:125:VAL:HG23	1:L:296:GLU:C	2.21	0.59
1:L:297:VAL:O	1:L:300:LEU:HG	2.03	0.59
1:L:322:ARG:NH1	1:L:322:ARG:HB2	2.17	0.59
1:L:324:LEU:O	1:L:324:LEU:HD23	2.01	0.59
1:L:562:LEU:HD12	1:L:577:ALA:O	2.03	0.59
1:M:19:PHE:CG	1:M:88:LEU:HD21	2.38	0.59
1:O:390:TRP:CE3	1:O:402:VAL:HG12	2.36	0.59
1:P:200:LEU:HD22	1:P:208:THR:CG2	2.29	0.59
1:P:365:TYR:CD2	1:P:401:VAL:HG13	2.38	0.59
1:A:19:PHE:CE2	1:I:87:PHE:CD1	2.88	0.59
1:A:87:PHE:CD1	1:I:19:PHE:CE2	2.88	0.59
1:A:110:ARG:HG3	1:A:114:TYR:HE2	1.68	0.59
1:B:7:GLU:HG2	1:B:107:ILE:CB	2.24	0.59
1:B:141:LEU:CD1	1:B:145:LYS:HB3	2.28	0.59
1:B:297:VAL:O	1:B:300:LEU:HG	2.03	0.59
1:B:322:ARG:HB2	1:B:322:ARG:NH1	2.17	0.59
1:C:19:PHE:CG	1:C:88:LEU:HD21	2.38	0.59
1:C:52:LYS:HB2	1:C:52:LYS:NZ	2.17	0.59
1:D:228:LEU:O	1:D:232:LEU:HD13	2.02	0.59
1:D:525:LYS:HB3	1:D:526:PRO:CD	2.33	0.59
1:E:12:TYR:HD2	1:E:16:LEU:HD21	1.66	0.59
1:E:19:PHE:CE2	1:M:87:PHE:CD1	2.88	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:35:MET:CG	1:E:40:LEU:CB	2.81	0.59
1:E:45:ILE:HG12	1:E:49:ILE:CD1	2.31	0.59
1:E:132:LEU:HD12	1:E:135:ARG:CZ	2.32	0.59
1:E:385:LEU:HD21	1:E:467:PHE:CE1	2.37	0.59
1:E:482:GLU:O	1:E:486:LEU:HD23	2.02	0.59
1:E:484:MET:HG2	1:E:490:VAL:HG21	1.85	0.59
1:F:222:HIS:CD2	1:G:201:TYR:HB2	2.37	0.59
1:F:365:TYR:CD2	1:F:401:VAL:HG13	2.38	0.59
1:F:381:ILE:CB	1:F:466:TYR:HD2	2.15	0.59
1:G:19:PHE:HB3	1:G:20:GLU:OE2	2.01	0.59
1:G:362:PRO:HA	1:G:366:ARG:HB3	1.82	0.59
1:G:402:VAL:HG23	1:G:403:ASN:N	2.16	0.59
1:H:12:TYR:CD2	1:H:16:LEU:HD21	2.38	0.59
1:H:69:GLN:HE21	1:H:72:MET:N	2.00	0.59
1:H:449:ILE:C	1:H:449:ILE:HD13	2.23	0.59
1:H:492:LEU:HD12	1:H:577:ALA:CB	2.28	0.59
1:H:515:LEU:HD13	1:H:519:GLN:CB	2.33	0.59
1:I:482:GLU:O	1:I:486:LEU:HD23	2.02	0.59
1:J:110:ARG:HG3	1:J:114:TYR:HE2	1.68	0.59
1:J:115:ASN:HA	1:K:279:THR:HG22	1.84	0.59
1:J:134:LEU:CD2	1:J:147:VAL:HG11	2.32	0.59
1:J:228:LEU:O	1:J:232:LEU:HD13	2.02	0.59
1:J:499:GLN:HE21	1:J:554:ILE:HG13	1.66	0.59
1:J:525:LYS:HB3	1:J:526:PRO:CD	2.33	0.59
1:K:19:PHE:CG	1:K:88:LEU:HD21	2.38	0.59
1:K:121:ALA:CB	3:K:1402:DTP:C2	2.79	0.59
1:K:134:LEU:HD13	1:K:134:LEU:O	2.02	0.59
1:K:134:LEU:CD2	1:K:147:VAL:HG11	2.33	0.59
1:K:242:LEU:HB2	1:K:262:ILE:HD13	1.84	0.59
1:K:467:PHE:O	1:K:471:ILE:HG22	2.03	0.59
1:K:562:LEU:HD12	1:K:577:ALA:O	2.03	0.59
1:L:115:ASN:HA	1:M:279:THR:HG22	1.84	0.59
1:L:123:TYR:O	1:L:300:LEU:HD13	2.02	0.59
1:L:134:LEU:CD2	1:L:147:VAL:HG11	2.32	0.59
1:M:52:LYS:HB2	1:M:52:LYS:NZ	2.17	0.59
1:M:110:ARG:HG3	1:M:114:TYR:HE2	1.68	0.59
1:M:192:VAL:HG23	1:M:193:LEU:N	2.17	0.59
1:M:242:LEU:HB2	1:M:262:ILE:HD13	1.84	0.59
1:M:253:TRP:CE3	1:M:275:LEU:HG	2.26	0.59
1:M:459:ILE:HD12	1:M:497:LEU:CD1	2.33	0.59
1:M:633:UNK:O	1:M:638:UNK:HA	2.03	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:12:TYR:CD2	1:N:16:LEU:HD21	2.38	0.59
1:N:192:VAL:HG23	1:N:193:LEU:N	2.17	0.59
1:N:390:TRP:HD1	1:N:398:VAL:HB	1.67	0.59
1:N:402:VAL:HG23	1:N:403:ASN:N	2.16	0.59
1:N:449:ILE:HD13	1:N:449:ILE:C	2.23	0.59
1:N:483:ARG:HH11	1:N:531:ASN:ND2	2.01	0.59
1:N:499:GLN:HE21	1:N:554:ILE:HG13	1.66	0.59
1:N:499:GLN:HG2	1:N:554:ILE:HG12	1.85	0.59
1:N:515:LEU:HD13	1:N:519:GLN:CB	2.33	0.59
1:O:19:PHE:HB3	1:O:20:GLU:OE2	2.01	0.59
1:O:324:LEU:O	1:O:324:LEU:HD23	2.01	0.59
1:O:459:ILE:HD12	1:O:497:LEU:CD1	2.33	0.59
1:O:562:LEU:HD22	1:O:562:LEU:N	2.15	0.59
1:P:52:LYS:HB2	1:P:52:LYS:NZ	2.17	0.59
1:P:249:ASN:ND2	1:P:251:LYS:HG2	2.17	0.59
1:P:297:VAL:O	1:P:300:LEU:HG	2.03	0.59
1:P:525:LYS:HB3	1:P:526:PRO:CD	2.33	0.59
1:A:40:LEU:HD22	1:A:48:ILE:HD13	1.84	0.59
1:A:227:GLU:O	1:A:231:LEU:HD12	2.02	0.59
1:A:459:ILE:HD12	1:A:497:LEU:CD1	2.33	0.59
1:A:633:UNK:O	1:A:638:UNK:HA	2.03	0.59
1:B:35:MET:CG	1:B:40:LEU:CB	2.81	0.59
1:B:134:LEU:CD2	1:B:147:VAL:HG11	2.32	0.59
1:B:390:TRP:HD1	1:B:398:VAL:HB	1.67	0.59
1:B:467:PHE:O	1:B:471:ILE:HG22	2.03	0.59
1:C:80:VAL:HG13	1:C:89:MET:CB	2.32	0.59
1:C:134:LEU:CD2	1:C:147:VAL:HG11	2.33	0.59
1:C:242:LEU:HB2	1:C:262:ILE:HD13	1.84	0.59
1:C:279:THR:HG22	1:D:115:ASN:HA	1.84	0.59
1:C:318:THR:CG2	1:C:323:ARG:HE	2.16	0.59
1:C:562:LEU:HD12	1:C:577:ALA:O	2.03	0.59
1:C:581:VAL:HG22	1:C:582:GLN:N	2.17	0.59
1:D:110:ARG:HG3	1:D:114:TYR:HE2	1.68	0.59
1:D:132:LEU:HD12	1:D:135:ARG:CZ	2.32	0.59
1:D:219:LEU:HD12	1:E:201:TYR:OH	2.03	0.59
1:D:458:LEU:HD11	1:D:576:GLU:OE2	2.03	0.59
1:D:541:ALA:HA	1:D:544:ASP:OD2	2.02	0.59
1:F:52:LYS:HB2	1:F:52:LYS:NZ	2.17	0.59
1:F:449:ILE:HD13	1:F:449:ILE:C	2.23	0.59
1:F:458:LEU:HD11	1:F:576:GLU:OE2	2.03	0.59
1:F:525:LYS:HB3	1:F:526:PRO:CD	2.33	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:563:ARG:HG2	1:F:1038:UNK:O	2.01	0.59
1:G:141:LEU:CD1	1:H:3:PHE:HE2	2.12	0.59
1:G:380:HIS:HE1	1:G:464:ASP:CB	2.14	0.59
1:G:390:TRP:HD1	1:G:398:VAL:HB	1.67	0.59
1:G:562:LEU:HD22	1:G:562:LEU:N	2.15	0.59
1:H:297:VAL:O	1:H:300:LEU:HG	2.03	0.59
1:H:390:TRP:HD1	1:H:398:VAL:HB	1.67	0.59
1:H:402:VAL:HG23	1:H:403:ASN:N	2.16	0.59
1:H:499:GLN:HG2	1:H:554:ILE:HG12	1.85	0.59
1:I:35:MET:CG	1:I:40:LEU:CB	2.81	0.59
1:I:201:TYR:OH	1:J:219:LEU:HD12	2.03	0.59
1:I:484:MET:HG2	1:I:490:VAL:HG21	1.85	0.59
1:J:132:LEU:HD12	1:J:135:ARG:CZ	2.32	0.59
1:J:458:LEU:HD11	1:J:576:GLU:OE2	2.03	0.59
1:J:541:ALA:HA	1:J:544:ASP:OD2	2.02	0.59
1:K:228:LEU:O	1:K:232:LEU:HD13	2.02	0.59
1:K:318:THR:CG2	1:K:323:ARG:HE	2.16	0.59
1:K:581:VAL:HG22	1:K:582:GLN:N	2.17	0.59
1:L:35:MET:CG	1:L:40:LEU:CB	2.81	0.59
1:L:390:TRP:HD1	1:L:398:VAL:HB	1.67	0.59
1:L:467:PHE:O	1:L:471:ILE:HG22	2.03	0.59
1:M:7:GLU:HG2	1:M:107:ILE:CB	2.24	0.59
1:M:40:LEU:HD22	1:M:48:ILE:HD13	1.84	0.59
1:M:297:VAL:O	1:M:300:LEU:HG	2.03	0.59
1:M:479:GLU:HB3	1:M:481:PRO:CD	2.24	0.59
1:N:69:GLN:HE21	1:N:72:MET:N	2.00	0.59
1:N:249:ASN:ND2	1:N:251:LYS:HG2	2.17	0.59
1:N:297:VAL:O	1:N:300:LEU:HG	2.03	0.59
1:O:201:TYR:HB2	1:P:222:HIS:CD2	2.37	0.59
1:O:402:VAL:HG23	1:O:403:ASN:N	2.16	0.59
1:O:458:LEU:HD11	1:O:576:GLU:OE2	2.03	0.59
1:P:380:HIS:NE2	1:P:419:THR:HG21	2.17	0.59
1:P:449:ILE:C	1:P:449:ILE:HD13	2.23	0.59
1:P:458:LEU:HD11	1:P:576:GLU:OE2	2.03	0.59
1:A:7:GLU:HG2	1:A:107:ILE:CB	2.24	0.59
1:A:297:VAL:O	1:A:300:LEU:HG	2.03	0.59
1:A:467:PHE:O	1:A:471:ILE:HG22	2.03	0.59
1:B:121:ALA:CB	3:B:1402:DTP:C2	2.79	0.59
1:B:123:TYR:O	1:B:300:LEU:HD13	2.02	0.59
1:B:275:LEU:C	1:B:275:LEU:HD13	2.23	0.59
1:B:381:ILE:CB	1:B:466:TYR:HD2	2.15	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:385:LEU:HD21	1:B:467:PHE:CE1	2.37	0.59
1:C:222:HIS:CD2	1:D:201:TYR:HB2	2.37	0.59
1:C:228:LEU:O	1:C:232:LEU:HD13	2.02	0.59
1:C:380:HIS:NE2	1:C:419:THR:HG21	2.17	0.59
1:C:381:ILE:CB	1:C:466:TYR:HD2	2.15	0.59
1:C:402:VAL:HG23	1:C:403:ASN:N	2.16	0.59
1:C:484:MET:HG2	1:C:490:VAL:HG21	1.85	0.59
1:D:88:LEU:HD22	1:D:88:LEU:H	1.65	0.59
1:D:318:THR:CG2	1:D:323:ARG:HE	2.16	0.59
1:D:449:ILE:C	1:D:449:ILE:HD13	2.23	0.59
1:D:515:LEU:HD13	1:D:519:GLN:CB	2.33	0.59
1:E:19:PHE:CG	1:E:88:LEU:HD21	2.38	0.59
1:E:40:LEU:HD22	1:E:48:ILE:HD13	1.84	0.59
1:E:279:THR:HG22	1:F:115:ASN:HA	1.84	0.59
1:E:449:ILE:HD13	1:E:449:ILE:C	2.23	0.59
1:F:380:HIS:NE2	1:F:419:THR:HG21	2.17	0.59
1:G:134:LEU:CD2	1:G:147:VAL:HG11	2.33	0.59
1:G:458:LEU:HD11	1:G:576:GLU:OE2	2.03	0.59
1:G:499:GLN:HG2	1:G:554:ILE:HG12	1.85	0.59
1:H:192:VAL:HG23	1:H:193:LEU:N	2.17	0.59
1:H:466:TYR:CD1	1:H:470:HIS:HB2	2.38	0.59
1:H:633:UNK:O	1:H:638:UNK:HA	2.03	0.59
1:I:249:ASN:ND2	1:I:251:LYS:HG2	2.17	0.59
1:I:449:ILE:HD13	1:I:449:ILE:C	2.23	0.59
1:J:201:TYR:OH	1:K:219:LEU:HD12	2.03	0.59
1:J:227:GLU:O	1:J:231:LEU:HD12	2.02	0.59
1:J:318:THR:CG2	1:J:323:ARG:HE	2.16	0.59
1:J:449:ILE:HD13	1:J:449:ILE:C	2.23	0.59
1:J:515:LEU:HD13	1:J:519:GLN:CB	2.33	0.59
1:K:28:ASP:O	1:K:31:ASP:HB2	2.02	0.59
1:K:40:LEU:HD22	1:K:48:ILE:HD13	1.84	0.59
1:K:80:VAL:HG13	1:K:89:MET:CB	2.32	0.59
1:L:121:ALA:CB	3:L:1402:DTP:C2	2.79	0.59
1:L:275:LEU:HD13	1:L:275:LEU:C	2.23	0.59
1:L:381:ILE:CB	1:L:466:TYR:HD2	2.15	0.59
1:L:385:LEU:HD21	1:L:467:PHE:CE1	2.37	0.59
1:M:28:ASP:O	1:M:31:ASP:HB2	2.02	0.59
1:M:227:GLU:O	1:M:231:LEU:HD12	2.02	0.59
1:M:365:TYR:CD2	1:M:401:VAL:HG13	2.38	0.59
1:M:467:PHE:O	1:M:471:ILE:HG22	2.03	0.59
1:N:633:UNK:O	1:N:638:UNK:HA	2.03	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:322:ARG:HB2	1:O:322:ARG:NH1	2.17	0.59
1:O:390:TRP:HD1	1:O:398:VAL:HB	1.67	0.59
1:O:499:GLN:HG2	1:O:554:ILE:HG12	1.85	0.59
1:P:563:ARG:HG2	1:P:1038:UNK:O	2.01	0.59
1:A:365:TYR:CD2	1:A:401:VAL:HG13	2.38	0.59
1:A:449:ILE:HD13	1:A:449:ILE:C	2.23	0.59
1:B:192:VAL:HG23	1:B:193:LEU:N	2.17	0.59
1:B:327:ILE:CG2	1:B:331:ILE:HD13	2.33	0.59
1:B:380:HIS:HE1	1:B:464:ASP:CB	2.14	0.59
1:B:466:TYR:CD1	1:B:470:HIS:HB2	2.38	0.59
1:C:28:ASP:O	1:C:31:ASP:HB2	2.02	0.59
1:C:219:LEU:HD12	1:D:201:TYR:OH	2.03	0.59
1:C:253:TRP:HZ2	1:C:266:THR:HG1	1.51	0.59
1:C:275:LEU:HD13	1:C:275:LEU:C	2.23	0.59
1:C:483:ARG:HE	1:C:527:TYR:HB3	1.68	0.59
1:D:12:TYR:CD2	1:D:16:LEU:HD21	2.38	0.59
1:D:227:GLU:O	1:D:231:LEU:HD12	2.02	0.59
1:D:466:TYR:CD1	1:D:470:HIS:HB2	2.38	0.59
1:E:87:PHE:CD1	1:M:19:PHE:CE2	2.89	0.59
1:E:249:ASN:ND2	1:E:251:LYS:HG2	2.17	0.59
1:E:313:PRO:HA	1:E:316:VAL:HG13	1.85	0.59
1:E:327:ILE:CG2	1:E:331:ILE:HD13	2.33	0.59
1:F:275:LEU:C	1:F:275:LEU:HD13	2.23	0.59
1:F:541:ALA:HA	1:F:544:ASP:OD2	2.02	0.59
1:G:12:TYR:CD2	1:G:16:LEU:HD21	2.38	0.59
1:G:322:ARG:HB2	1:G:322:ARG:NH1	2.17	0.59
1:G:381:ILE:CB	1:G:466:TYR:HD2	2.15	0.59
1:H:482:GLU:O	1:H:486:LEU:HD23	2.02	0.59
1:I:19:PHE:CG	1:I:88:LEU:HD21	2.38	0.59
1:I:192:VAL:HG23	1:I:193:LEU:N	2.17	0.59
1:I:279:THR:HG22	1:P:115:ASN:HA	1.84	0.59
1:I:313:PRO:HA	1:I:316:VAL:HG13	1.85	0.59
1:I:581:VAL:HG22	1:I:582:GLN:N	2.17	0.59
1:J:12:TYR:CD2	1:J:16:LEU:HD21	2.38	0.59
1:J:28:ASP:O	1:J:31:ASP:HB2	2.02	0.59
1:J:201:TYR:HB2	1:K:222:HIS:CD2	2.37	0.59
1:J:466:TYR:CD1	1:J:470:HIS:HB2	2.38	0.59
1:K:381:ILE:CB	1:K:466:TYR:HD2	2.15	0.59
1:K:483:ARG:HE	1:K:527:TYR:HB3	1.68	0.59
1:K:484:MET:HG2	1:K:490:VAL:HG21	1.85	0.59
1:L:28:ASP:O	1:L:31:ASP:HB2	2.02	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:141:LEU:CD1	1:L:145:LYS:HB3	2.28	0.59
1:L:327:ILE:CG2	1:L:331:ILE:HD13	2.33	0.59
1:L:466:TYR:CD1	1:L:470:HIS:HB2	2.38	0.59
1:M:12:TYR:CD2	1:M:16:LEU:HD21	2.38	0.59
1:M:253:TRP:CH2	1:M:264:LEU:HD22	2.36	0.59
1:N:80:VAL:HG13	1:N:89:MET:CB	2.32	0.59
1:N:115:ASN:HA	1:O:279:THR:HG22	1.84	0.59
1:N:466:TYR:CD1	1:N:470:HIS:HB2	2.38	0.59
1:N:482:GLU:O	1:N:486:LEU:HD23	2.02	0.59
1:N:492:LEU:HD12	1:N:577:ALA:CB	2.28	0.59
1:O:129:GLN:CB	1:O:130:PRO:HD3	2.33	0.59
1:O:134:LEU:CD2	1:O:147:VAL:HG11	2.33	0.59
1:O:362:PRO:HA	1:O:366:ARG:HB3	1.82	0.59
1:O:381:ILE:CB	1:O:466:TYR:HD2	2.15	0.59
1:P:129:GLN:CB	1:P:130:PRO:HD3	2.33	0.59
1:P:275:LEU:C	1:P:275:LEU:HD13	2.23	0.59
1:P:298:LYS:HD2	1:P:312:LEU:CD2	2.17	0.59
1:P:541:ALA:HA	1:P:544:ASP:OD2	2.02	0.59
1:A:12:TYR:CD2	1:A:16:LEU:HD21	2.38	0.59
1:A:28:ASP:O	1:A:31:ASP:HB2	2.02	0.59
1:A:201:TYR:OH	1:H:219:LEU:HD12	2.03	0.59
1:A:495:ARG:HH22	1:A:549:ILE:HD12	1.68	0.59
1:B:402:VAL:HG23	1:B:403:ASN:N	2.16	0.59
1:B:581:VAL:HG22	1:B:582:GLN:N	2.17	0.59
1:C:40:LEU:HD22	1:C:48:ILE:HD13	1.84	0.59
1:C:458:LEU:HD11	1:C:576:GLU:OE2	2.03	0.59
1:C:463:LEU:HD13	1:C:467:PHE:CZ	2.37	0.59
1:D:28:ASP:O	1:D:31:ASP:HB2	2.02	0.59
1:D:467:PHE:O	1:D:471:ILE:HG22	2.03	0.59
1:D:483:ARG:HE	1:D:527:TYR:HB3	1.68	0.59
1:E:28:ASP:O	1:E:31:ASP:HB2	2.02	0.59
1:E:192:VAL:HG23	1:E:193:LEU:N	2.17	0.59
1:E:228:LEU:O	1:E:232:LEU:HD13	2.02	0.59
1:E:483:ARG:HE	1:E:527:TYR:HB3	1.68	0.59
1:F:227:GLU:O	1:F:231:LEU:HD12	2.02	0.59
1:F:298:LYS:HD2	1:F:312:LEU:CD2	2.17	0.59
1:F:322:ARG:HB2	1:F:322:ARG:NH1	2.17	0.59
1:F:466:TYR:CD1	1:F:470:HIS:HB2	2.38	0.59
1:F:483:ARG:HE	1:F:527:TYR:HB3	1.68	0.59
1:G:92:ILE:HG12	1:G:96:GLN:NE2	2.14	0.59
1:G:129:GLN:CB	1:G:130:PRO:HD3	2.33	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:219:LEU:HD12	1:H:201:TYR:OH	2.03	0.59
1:G:275:LEU:HD13	1:G:275:LEU:C	2.23	0.59
1:G:279:THR:HG22	1:H:115:ASN:HA	1.84	0.59
1:G:467:PHE:O	1:G:471:ILE:HG22	2.03	0.59
1:G:483:ARG:HE	1:G:527:TYR:HB3	1.68	0.59
1:G:633:UNK:O	1:G:638:UNK:HA	2.03	0.59
1:G:839:UNK:HA	1:G:848:UNK:O	2.03	0.59
1:H:35:MET:CG	1:H:40:LEU:CB	2.81	0.59
1:H:80:VAL:HG13	1:H:89:MET:CB	2.32	0.59
1:H:562:LEU:HD12	1:H:577:ALA:O	2.03	0.59
1:H:581:VAL:HG22	1:H:582:GLN:N	2.17	0.59
1:I:40:LEU:HD22	1:I:48:ILE:HD13	1.84	0.59
1:I:228:LEU:O	1:I:232:LEU:HD13	2.02	0.59
1:I:327:ILE:CG2	1:I:331:ILE:HD13	2.33	0.59
1:I:483:ARG:HE	1:I:527:TYR:HB3	1.68	0.59
1:I:541:ALA:HA	1:I:544:ASP:OD2	2.03	0.59
1:J:483:ARG:HE	1:J:527:TYR:HB3	1.68	0.59
1:J:633:UNK:O	1:J:638:UNK:HA	2.03	0.59
1:K:253:TRP:HZ2	1:K:266:THR:HG1	1.51	0.59
1:K:275:LEU:HD13	1:K:275:LEU:C	2.23	0.59
1:K:380:HIS:NE2	1:K:419:THR:HG21	2.17	0.59
1:K:458:LEU:HD11	1:K:576:GLU:OE2	2.03	0.59
1:L:153:LEU:HB3	1:L:267:ARG:CD	2.31	0.59
1:L:192:VAL:HG23	1:L:193:LEU:N	2.17	0.59
1:L:380:HIS:HE1	1:L:464:ASP:CB	2.14	0.59
1:L:483:ARG:HE	1:L:527:TYR:HB3	1.68	0.59
1:M:201:TYR:OH	1:N:219:LEU:HD12	2.03	0.59
1:M:449:ILE:HD13	1:M:449:ILE:C	2.23	0.59
1:M:466:TYR:CD1	1:M:470:HIS:HB2	2.38	0.59
1:M:562:LEU:HD12	1:M:577:ALA:O	2.03	0.59
1:N:3:PHE:HE2	1:O:141:LEU:CD1	2.12	0.59
1:N:35:MET:CG	1:N:40:LEU:CB	2.81	0.59
1:N:581:VAL:HG22	1:N:582:GLN:N	2.17	0.59
1:O:12:TYR:CD2	1:O:16:LEU:HD21	2.38	0.59
1:O:275:LEU:HD13	1:O:275:LEU:C	2.23	0.59
1:P:227:GLU:O	1:P:231:LEU:HD12	2.02	0.59
1:P:466:TYR:CD1	1:P:470:HIS:HB2	2.38	0.59
1:P:483:ARG:HE	1:P:527:TYR:HB3	1.68	0.59
1:A:65:LEU:CD1	1:A:72:MET:HE2	2.31	0.59
1:A:80:VAL:HG13	1:A:89:MET:CB	2.32	0.59
1:A:466:TYR:CD1	1:A:470:HIS:HB2	2.38	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:28:ASP:O	1:B:31:ASP:HB2	2.02	0.59
1:B:32:VAL:HG12	1:B:45:ILE:HD13	1.85	0.59
1:B:80:VAL:HG13	1:B:89:MET:CB	2.32	0.59
1:B:153:LEU:HB3	1:B:267:ARG:CD	2.31	0.59
1:B:227:GLU:O	1:B:231:LEU:HD12	2.02	0.59
1:B:483:ARG:HE	1:B:527:TYR:HB3	1.68	0.59
1:B:562:LEU:CD1	1:B:580:GLN:HG3	2.33	0.59
1:C:249:ASN:ND2	1:C:251:LYS:HG2	2.17	0.59
1:D:80:VAL:HG13	1:D:89:MET:CB	2.32	0.59
1:D:633:UNK:O	1:D:638:UNK:HA	2.03	0.59
1:E:46:ASP:HA	1:E:49:ILE:HD12	1.85	0.59
1:E:525:LYS:HB3	1:E:526:PRO:CD	2.33	0.59
1:E:541:ALA:HA	1:E:544:ASP:OD2	2.03	0.59
1:E:581:VAL:HG22	1:E:582:GLN:N	2.17	0.59
1:F:12:TYR:CD2	1:F:16:LEU:HD21	2.38	0.59
1:G:19:PHE:CG	1:G:88:LEU:HD21	2.38	0.59
1:G:110:ARG:HG3	1:G:114:TYR:HE2	1.68	0.59
1:H:87:PHE:CD1	1:P:19:PHE:CE2	2.88	0.59
1:H:228:LEU:O	1:H:232:LEU:HD13	2.02	0.59
1:H:562:LEU:CD1	1:H:580:GLN:HG3	2.33	0.59
1:I:28:ASP:O	1:I:31:ASP:HB2	2.02	0.59
1:I:46:ASP:HA	1:I:49:ILE:HD12	1.85	0.59
1:I:134:LEU:CD2	1:I:147:VAL:HG11	2.33	0.59
1:I:280:THR:H	1:P:114:TYR:HB3	1.67	0.59
1:J:467:PHE:O	1:J:471:ILE:HG22	2.03	0.59
1:J:495:ARG:HH22	1:J:549:ILE:HD12	1.68	0.59
1:K:466:TYR:CD1	1:K:470:HIS:HB2	2.38	0.59
1:L:32:VAL:HG12	1:L:45:ILE:HD13	1.85	0.59
1:L:80:VAL:HG13	1:L:89:MET:CB	2.32	0.59
1:L:129:GLN:CB	1:L:130:PRO:HD3	2.33	0.59
1:L:402:VAL:HG23	1:L:403:ASN:N	2.16	0.59
1:L:449:ILE:C	1:L:449:ILE:HD13	2.23	0.59
1:L:562:LEU:CD1	1:L:580:GLN:HG3	2.33	0.59
1:L:581:VAL:HG22	1:L:582:GLN:N	2.17	0.59
1:L:633:UNK:O	1:L:638:UNK:HA	2.03	0.59
1:M:40:LEU:HD22	1:M:48:ILE:HD11	1.69	0.59
1:M:129:GLN:CB	1:M:130:PRO:HD3	2.33	0.59
1:M:275:LEU:C	1:M:275:LEU:HD13	2.23	0.59
1:M:495:ARG:HH22	1:M:549:ILE:HD12	1.68	0.59
1:N:28:ASP:O	1:N:31:ASP:HB2	2.02	0.59
1:N:201:TYR:OH	1:O:219:LEU:HD12	2.03	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:541:ALA:HA	1:N:544:ASP:OD2	2.02	0.59
1:N:562:LEU:CD1	1:N:580:GLN:HG3	2.33	0.59
1:N:562:LEU:HD12	1:N:577:ALA:O	2.03	0.59
1:O:19:PHE:CG	1:O:88:LEU:HD21	2.38	0.59
1:O:483:ARG:HE	1:O:527:TYR:HB3	1.68	0.59
1:O:483:ARG:HH11	1:O:531:ASN:ND2	2.01	0.59
1:O:633:UNK:O	1:O:638:UNK:HA	2.03	0.59
1:O:839:UNK:HA	1:O:848:UNK:O	2.03	0.59
1:P:12:TYR:CD2	1:P:16:LEU:HD21	2.38	0.59
1:A:129:GLN:CB	1:A:130:PRO:HD3	2.33	0.58
1:A:141:LEU:CD1	1:B:3:PHE:HE2	2.12	0.58
1:A:322:ARG:NH1	1:A:322:ARG:HB2	2.17	0.58
1:A:391:PHE:CG	1:A:394:ILE:HG22	2.38	0.58
1:A:483:ARG:HE	1:A:527:TYR:HB3	1.68	0.58
1:A:562:LEU:CD1	1:A:580:GLN:HG3	2.33	0.58
1:A:562:LEU:HD12	1:A:577:ALA:O	2.03	0.58
1:B:129:GLN:CB	1:B:130:PRO:HD3	2.33	0.58
1:B:633:UNK:O	1:B:638:UNK:HA	2.03	0.58
1:C:40:LEU:HG	1:C:44:GLU:HB3	1.85	0.58
1:C:65:LEU:CD1	1:C:72:MET:HE2	2.33	0.58
1:C:466:TYR:CD1	1:C:470:HIS:HB2	2.38	0.58
1:C:562:LEU:CD1	1:C:580:GLN:HG3	2.33	0.58
1:D:35:MET:CG	1:D:40:LEU:HD22	2.32	0.58
1:D:200:LEU:HD22	1:D:208:THR:CG2	2.29	0.58
1:D:275:LEU:HD13	1:D:275:LEU:C	2.23	0.58
1:D:495:ARG:HH22	1:D:549:ILE:HD12	1.68	0.58
1:E:280:THR:H	1:F:114:TYR:HB3	1.67	0.58
1:E:558:TYR:CE2	1:E:562:LEU:HD21	2.38	0.58
1:F:19:PHE:CE2	1:N:87:PHE:CD1	2.88	0.58
1:F:242:LEU:HB2	1:F:262:ILE:HD13	1.84	0.58
1:F:390:TRP:HD1	1:F:398:VAL:HB	1.67	0.58
1:F:459:ILE:HD12	1:F:497:LEU:CD1	2.33	0.58
1:G:360:LEU:HD21	1:G:405:LEU:CD1	2.21	0.58
1:G:483:ARG:HH11	1:G:531:ASN:ND2	2.01	0.58
1:G:484:MET:HG2	1:G:490:VAL:HG21	1.85	0.58
1:G:495:ARG:HH22	1:G:549:ILE:HD12	1.68	0.58
1:H:129:GLN:CB	1:H:130:PRO:HD3	2.33	0.58
1:H:132:LEU:HD12	1:H:135:ARG:CZ	2.32	0.58
1:H:381:ILE:CB	1:H:466:TYR:HD2	2.15	0.58
1:H:541:ALA:HA	1:H:544:ASP:OD2	2.02	0.58
1:I:318:THR:CG2	1:I:323:ARG:HE	2.16	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:467:PHE:O	1:I:471:ILE:HG22	2.03	0.58
1:I:558:TYR:CE2	1:I:562:LEU:HD21	2.38	0.58
1:K:40:LEU:HG	1:K:44:GLU:HB3	1.85	0.58
1:K:249:ASN:ND2	1:K:251:LYS:HG2	2.17	0.58
1:K:463:LEU:HD13	1:K:467:PHE:CZ	2.37	0.58
1:K:525:LYS:HB3	1:K:526:PRO:CD	2.32	0.58
1:K:562:LEU:HD22	1:K:562:LEU:N	2.15	0.58
1:K:562:LEU:CD1	1:K:580:GLN:HG3	2.33	0.58
1:L:227:GLU:O	1:L:231:LEU:HD12	2.02	0.58
1:L:323:ARG:HG2	1:L:327:ILE:HD11	1.85	0.58
1:M:65:LEU:CD1	1:M:72:MET:HE2	2.31	0.58
1:M:80:VAL:HG13	1:M:89:MET:CB	2.32	0.58
1:M:249:ASN:ND2	1:M:251:LYS:HG2	2.17	0.58
1:M:381:ILE:CB	1:M:466:TYR:HD2	2.15	0.58
1:M:391:PHE:CG	1:M:394:ILE:HG22	2.38	0.58
1:M:562:LEU:CD1	1:M:580:GLN:HG3	2.33	0.58
1:N:3:PHE:HZ	1:O:141:LEU:HD11	1.61	0.58
1:N:129:GLN:CB	1:N:130:PRO:HD3	2.33	0.58
1:N:381:ILE:CB	1:N:466:TYR:HD2	2.15	0.58
1:N:458:LEU:HD11	1:N:576:GLU:OE2	2.03	0.58
1:N:467:PHE:O	1:N:471:ILE:HG22	2.03	0.58
1:O:110:ARG:HG3	1:O:114:TYR:HE2	1.68	0.58
1:O:467:PHE:O	1:O:471:ILE:HG22	2.03	0.58
1:O:484:MET:HG2	1:O:490:VAL:HG21	1.85	0.58
1:P:125:VAL:HB	1:P:297:VAL:CA	2.16	0.58
1:P:242:LEU:HB2	1:P:262:ILE:HD13	1.84	0.58
1:P:322:ARG:NH1	1:P:322:ARG:HB2	2.17	0.58
1:P:390:TRP:HD1	1:P:398:VAL:HB	1.67	0.58
1:P:839:UNK:HA	1:P:848:UNK:O	2.03	0.58
1:A:275:LEU:C	1:A:275:LEU:HD13	2.23	0.58
1:A:381:ILE:CB	1:A:466:TYR:HD2	2.15	0.58
1:A:483:ARG:HH11	1:A:531:ASN:ND2	2.01	0.58
1:B:323:ARG:HG2	1:B:327:ILE:HD11	1.85	0.58
1:B:380:HIS:NE2	1:B:419:THR:HG21	2.17	0.58
1:B:384:ILE:HG23	1:B:385:LEU:N	2.18	0.58
1:B:449:ILE:HD13	1:B:449:ILE:C	2.23	0.58
1:C:35:MET:CG	1:C:40:LEU:CB	2.81	0.58
1:C:365:TYR:CD2	1:C:401:VAL:HG13	2.38	0.58
1:D:121:ALA:CB	3:D:1402:DTP:C2	2.79	0.58
1:D:391:PHE:CG	1:D:394:ILE:HG22	2.38	0.58
1:D:562:LEU:HD12	1:D:577:ALA:O	2.03	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:110:ARG:HG3	1:E:114:TYR:HE2	1.68	0.58
1:E:129:GLN:CB	1:E:130:PRO:HD3	2.33	0.58
1:E:134:LEU:CD2	1:E:147:VAL:HG11	2.33	0.58
1:E:318:THR:CG2	1:E:323:ARG:HE	2.16	0.58
1:E:467:PHE:O	1:E:471:ILE:HG22	2.03	0.58
1:E:483:ARG:HH11	1:E:531:ASN:ND2	2.01	0.58
1:F:323:ARG:HG2	1:F:327:ILE:HD11	1.85	0.58
1:F:384:ILE:HG23	1:F:385:LEU:N	2.18	0.58
1:F:839:UNK:HA	1:F:848:UNK:O	2.03	0.58
1:G:482:GLU:O	1:G:486:LEU:HD23	2.02	0.58
1:H:28:ASP:O	1:H:31:ASP:HB2	2.02	0.58
1:H:458:LEU:HD11	1:H:576:GLU:OE2	2.03	0.58
1:H:483:ARG:HE	1:H:527:TYR:HB3	1.68	0.58
1:H:495:ARG:HH22	1:H:549:ILE:HD12	1.68	0.58
1:H:839:UNK:HA	1:H:848:UNK:O	2.03	0.58
1:I:298:LYS:HD2	1:I:312:LEU:CD2	2.17	0.58
1:I:483:ARG:HH11	1:I:531:ASN:ND2	2.01	0.58
1:I:525:LYS:HB3	1:I:526:PRO:CD	2.33	0.58
1:J:80:VAL:HG13	1:J:89:MET:CB	2.32	0.58
1:J:200:LEU:HD22	1:J:208:THR:CG2	2.29	0.58
1:J:253:TRP:CE3	1:J:275:LEU:HG	2.26	0.58
1:J:391:PHE:CG	1:J:394:ILE:HG22	2.38	0.58
1:K:495:ARG:HH22	1:K:549:ILE:HD12	1.68	0.58
1:K:633:UNK:O	1:K:638:UNK:HA	2.03	0.58
1:M:114:TYR:HB3	1:N:280:THR:H	1.67	0.58
1:M:322:ARG:NH1	1:M:322:ARG:HB2	2.17	0.58
1:M:483:ARG:HE	1:M:527:TYR:HB3	1.68	0.58
1:M:483:ARG:HH11	1:M:531:ASN:ND2	2.01	0.58
1:M:499:GLN:HG2	1:M:554:ILE:HG12	1.85	0.58
1:N:132:LEU:HD12	1:N:135:ARG:CZ	2.32	0.58
1:N:228:LEU:O	1:N:232:LEU:HD13	2.02	0.58
1:N:483:ARG:HE	1:N:527:TYR:HB3	1.68	0.58
1:N:495:ARG:HH22	1:N:549:ILE:HD12	1.68	0.58
1:O:92:ILE:HG12	1:O:96:GLN:NE2	2.14	0.58
1:O:387:SER:HB3	1:O:391:PHE:HE2	1.67	0.58
1:O:495:ARG:HH22	1:O:549:ILE:HD12	1.68	0.58
1:O:581:VAL:HG22	1:O:582:GLN:N	2.17	0.58
1:P:28:ASP:O	1:P:31:ASP:HB2	2.02	0.58
1:P:228:LEU:O	1:P:232:LEU:HD13	2.02	0.58
1:P:323:ARG:HG2	1:P:327:ILE:HD11	1.85	0.58
1:P:384:ILE:HG23	1:P:385:LEU:N	2.18	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:459:ILE:HD12	1:P:497:LEU:CD1	2.33	0.58
1:A:249:ASN:ND2	1:A:251:LYS:HG2	2.17	0.58
1:A:380:HIS:NE2	1:A:419:THR:HG21	2.17	0.58
1:A:458:LEU:HD11	1:A:576:GLU:OE2	2.03	0.58
1:A:499:GLN:HG2	1:A:554:ILE:HG12	1.85	0.58
1:A:839:UNK:HA	1:A:848:UNK:O	2.03	0.58
1:C:5:THR:CG2	1:C:73:VAL:HG21	2.34	0.58
1:C:323:ARG:HG2	1:C:327:ILE:HD11	1.85	0.58
1:C:327:ILE:CG2	1:C:331:ILE:HD13	2.33	0.58
1:C:495:ARG:HH22	1:C:549:ILE:HD12	1.68	0.58
1:D:8:HIS:ND1	1:D:95:GLU:HA	2.19	0.58
1:D:46:ASP:HA	1:D:49:ILE:HD12	1.85	0.58
1:D:92:ILE:HG12	1:D:96:GLN:NE2	2.14	0.58
1:D:253:TRP:CE3	1:D:275:LEU:HG	2.26	0.58
1:E:219:LEU:HD12	1:F:201:TYR:OH	2.03	0.58
1:E:839:UNK:HA	1:E:848:UNK:O	2.03	0.58
1:F:1:MET:HB3	1:F:5:THR:CG2	2.34	0.58
1:F:8:HIS:ND1	1:F:95:GLU:HA	2.19	0.58
1:F:28:ASP:O	1:F:31:ASP:HB2	2.02	0.58
1:F:40:LEU:HG	1:F:44:GLU:HB3	1.86	0.58
1:F:46:ASP:HA	1:F:49:ILE:HD12	1.85	0.58
1:F:228:LEU:O	1:F:232:LEU:HD13	2.02	0.58
1:F:313:PRO:HA	1:F:316:VAL:HG13	1.85	0.58
1:G:581:VAL:HG22	1:G:582:GLN:N	2.17	0.58
1:H:380:HIS:NE2	1:H:419:THR:HG21	2.17	0.58
1:H:467:PHE:O	1:H:471:ILE:HG22	2.03	0.58
1:I:129:GLN:CB	1:I:130:PRO:HD3	2.33	0.58
1:J:8:HIS:ND1	1:J:95:GLU:HA	2.19	0.58
1:J:35:MET:CG	1:J:40:LEU:HD22	2.32	0.58
1:J:46:ASP:HA	1:J:49:ILE:HD12	1.85	0.58
1:J:242:LEU:HB2	1:J:262:ILE:HD13	1.84	0.58
1:J:275:LEU:C	1:J:275:LEU:HD13	2.23	0.58
1:J:327:ILE:CG2	1:J:331:ILE:HD13	2.33	0.58
1:J:562:LEU:HD12	1:J:577:ALA:O	2.03	0.58
1:K:5:THR:CG2	1:K:73:VAL:HG21	2.34	0.58
1:K:35:MET:CG	1:K:40:LEU:CB	2.81	0.58
1:K:365:TYR:CD2	1:K:401:VAL:HG13	2.38	0.58
1:K:391:PHE:CG	1:K:394:ILE:HG22	2.38	0.58
1:L:170:VAL:O	1:L:174:MET:HE2	2.03	0.58
1:L:384:ILE:HG23	1:L:385:LEU:N	2.18	0.58
1:M:32:VAL:HG12	1:M:45:ILE:HD13	1.86	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:458:LEU:HD11	1:M:576:GLU:OE2	2.03	0.58
1:M:839:UNK:HA	1:M:848:UNK:O	2.03	0.58
1:N:1:MET:HB3	1:N:5:THR:CG2	2.34	0.58
1:N:839:UNK:HA	1:N:848:UNK:O	2.03	0.58
1:O:80:VAL:HG13	1:O:89:MET:CB	2.32	0.58
1:O:114:TYR:HB3	1:P:280:THR:H	1.67	0.58
1:P:1:MET:HB3	1:P:5:THR:CG2	2.34	0.58
1:P:8:HIS:ND1	1:P:95:GLU:HA	2.19	0.58
1:P:40:LEU:HD22	1:P:48:ILE:HD13	1.84	0.58
1:P:40:LEU:HG	1:P:44:GLU:HB3	1.86	0.58
1:P:46:ASP:HA	1:P:49:ILE:HD12	1.85	0.58
1:P:110:ARG:HG3	1:P:114:TYR:HE2	1.68	0.58
1:P:170:VAL:O	1:P:174:MET:HE2	2.04	0.58
1:A:32:VAL:HG12	1:A:45:ILE:HD13	1.86	0.58
1:A:40:LEU:HD22	1:A:48:ILE:HD11	1.69	0.58
1:A:114:TYR:HB3	1:H:280:THR:H	1.67	0.58
1:A:318:THR:CG2	1:A:323:ARG:HE	2.16	0.58
1:A:323:ARG:HG2	1:A:327:ILE:HD11	1.85	0.58
1:A:558:TYR:CE2	1:A:562:LEU:HD21	2.38	0.58
1:B:110:ARG:HG3	1:B:114:TYR:HE2	1.68	0.58
1:B:479:GLU:HB3	1:B:481:PRO:CD	2.24	0.58
1:B:514:ILE:HD11	1:B:516:ASN:HD21	1.68	0.58
1:B:525:LYS:HB3	1:B:526:PRO:CD	2.33	0.58
1:C:110:ARG:HG3	1:C:114:TYR:CE2	2.39	0.58
1:C:391:PHE:CG	1:C:394:ILE:HG22	2.38	0.58
1:C:483:ARG:HH11	1:C:531:ASN:ND2	2.01	0.58
1:C:525:LYS:HB3	1:C:526:PRO:CD	2.33	0.58
1:C:633:UNK:O	1:C:638:UNK:HA	2.03	0.58
1:D:134:LEU:HD13	1:D:134:LEU:O	2.02	0.58
1:D:183:LEU:HD13	1:D:195:MET:HG3	1.85	0.58
1:D:242:LEU:HB2	1:D:262:ILE:HD13	1.84	0.58
1:D:327:ILE:CG2	1:D:331:ILE:HD13	2.33	0.58
1:E:298:LYS:HD2	1:E:312:LEU:CD2	2.17	0.58
1:E:323:ARG:HG2	1:E:327:ILE:HD11	1.85	0.58
1:F:40:LEU:HD22	1:F:48:ILE:HD13	1.84	0.58
1:F:170:VAL:O	1:F:174:MET:HE2	2.04	0.58
1:F:280:THR:H	1:G:114:TYR:HB3	1.67	0.58
1:F:462:TYR:CD1	1:F:467:PHE:HB3	2.39	0.58
1:G:40:LEU:HD22	1:G:48:ILE:HD13	1.84	0.58
1:G:80:VAL:HG13	1:G:89:MET:CB	2.32	0.58
1:G:121:ALA:CB	3:G:1402:DTP:C2	2.79	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:141:LEU:HD11	1:H:3:PHE:HZ	1.61	0.58
1:G:525:LYS:HB3	1:G:526:PRO:CD	2.33	0.58
1:H:1:MET:HB3	1:H:5:THR:CG2	2.34	0.58
1:H:275:LEU:HD13	1:H:275:LEU:C	2.23	0.58
1:H:462:TYR:CD1	1:H:467:PHE:HB3	2.39	0.58
1:I:110:ARG:HG3	1:I:114:TYR:HE2	1.68	0.58
1:I:219:LEU:HD12	1:P:201:TYR:OH	2.03	0.58
1:I:242:LEU:HB2	1:I:262:ILE:HD13	1.84	0.58
1:I:275:LEU:C	1:I:275:LEU:HD13	2.23	0.58
1:I:839:UNK:HA	1:I:848:UNK:O	2.03	0.58
1:J:121:ALA:CB	3:J:1402:DTP:C2	2.79	0.58
1:J:183:LEU:HD13	1:J:195:MET:HG3	1.85	0.58
1:J:484:MET:HG2	1:J:490:VAL:HG21	1.85	0.58
1:J:839:UNK:HA	1:J:848:UNK:O	2.03	0.58
1:K:327:ILE:CG2	1:K:331:ILE:HD13	2.33	0.58
1:K:483:ARG:HH11	1:K:531:ASN:ND2	2.01	0.58
1:L:380:HIS:NE2	1:L:419:THR:HG21	2.17	0.58
1:L:459:ILE:HD12	1:L:497:LEU:CD1	2.33	0.58
1:L:514:ILE:HD11	1:L:516:ASN:HD21	1.68	0.58
1:L:525:LYS:HB3	1:L:526:PRO:CD	2.33	0.58
1:L:541:ALA:HA	1:L:544:ASP:OD2	2.02	0.58
1:M:541:ALA:HA	1:M:544:ASP:OD2	2.03	0.58
1:M:558:TYR:CE2	1:M:562:LEU:HD21	2.38	0.58
1:N:391:PHE:CG	1:N:394:ILE:HG22	2.38	0.58
1:N:462:TYR:CD1	1:N:467:PHE:HB3	2.39	0.58
1:O:35:MET:CG	1:O:40:LEU:CB	2.81	0.58
1:O:40:LEU:HD22	1:O:48:ILE:HD13	1.84	0.58
1:O:380:HIS:NE2	1:O:419:THR:HG21	2.17	0.58
1:O:391:PHE:CG	1:O:394:ILE:HG22	2.38	0.58
1:O:482:GLU:O	1:O:486:LEU:HD23	2.02	0.58
1:O:525:LYS:HB3	1:O:526:PRO:CD	2.32	0.58
1:P:313:PRO:HA	1:P:316:VAL:HG13	1.85	0.58
1:P:385:LEU:HD21	1:P:467:PHE:CE1	2.37	0.58
1:A:390:TRP:HD1	1:A:398:VAL:HB	1.67	0.58
1:B:132:LEU:HD12	1:B:135:ARG:CZ	2.32	0.58
1:B:459:ILE:HD12	1:B:497:LEU:CD1	2.33	0.58
1:C:384:ILE:HG23	1:C:385:LEU:N	2.19	0.58
1:C:839:UNK:HA	1:C:848:UNK:O	2.03	0.58
1:D:5:THR:CG2	1:D:73:VAL:HG21	2.34	0.58
1:D:839:UNK:HA	1:D:848:UNK:O	2.03	0.58
1:E:242:LEU:HB2	1:E:262:ILE:HD13	1.84	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:275:LEU:C	1:E:275:LEU:HD13	2.23	0.58
1:E:633:UNK:O	1:E:638:UNK:HA	2.03	0.58
1:F:110:ARG:HG3	1:F:114:TYR:HE2	1.68	0.58
1:F:499:GLN:HG2	1:F:554:ILE:HG12	1.85	0.58
1:F:633:UNK:O	1:F:638:UNK:HA	2.03	0.58
1:G:35:MET:CG	1:G:40:LEU:CB	2.81	0.58
1:G:380:HIS:NE2	1:G:419:THR:HG21	2.17	0.58
1:G:387:SER:HB3	1:G:391:PHE:HE2	1.67	0.58
1:G:391:PHE:CG	1:G:394:ILE:HG22	2.38	0.58
1:H:384:ILE:HG23	1:H:385:LEU:N	2.18	0.58
1:H:391:PHE:CG	1:H:394:ILE:HG22	2.38	0.58
1:I:5:THR:CG2	1:I:73:VAL:HG21	2.34	0.58
1:I:65:LEU:CD1	1:I:72:MET:HE2	2.33	0.58
1:I:281:THR:HG21	1:P:3:PHE:HE1	1.65	0.58
1:I:323:ARG:HG2	1:I:327:ILE:HD11	1.85	0.58
1:I:633:UNK:O	1:I:638:UNK:HA	2.03	0.58
1:J:479:GLU:CB	1:J:481:PRO:HD2	2.27	0.58
1:K:110:ARG:HG3	1:K:114:TYR:CE2	2.39	0.58
1:K:323:ARG:HG2	1:K:327:ILE:HD11	1.85	0.58
1:K:384:ILE:HG23	1:K:385:LEU:N	2.19	0.58
1:K:541:ALA:HA	1:K:544:ASP:OD2	2.03	0.58
1:K:839:UNK:HA	1:K:848:UNK:O	2.03	0.58
1:L:110:ARG:HG3	1:L:114:TYR:HE2	1.68	0.58
1:L:479:GLU:HB3	1:L:481:PRO:CD	2.24	0.58
1:M:380:HIS:NE2	1:M:419:THR:HG21	2.17	0.58
1:M:390:TRP:HD1	1:M:398:VAL:HB	1.67	0.58
1:N:114:TYR:HB3	1:O:280:THR:H	1.67	0.58
1:N:275:LEU:C	1:N:275:LEU:HD13	2.23	0.58
1:N:380:HIS:NE2	1:N:419:THR:HG21	2.17	0.58
1:N:384:ILE:HG23	1:N:385:LEU:N	2.18	0.58
1:O:28:ASP:O	1:O:31:ASP:HB2	2.02	0.58
1:O:121:ALA:CB	3:O:1402:DTP:C2	2.79	0.58
1:P:462:TYR:CD1	1:P:467:PHE:HB3	2.39	0.58
1:P:558:TYR:CE2	1:P:562:LEU:HD21	2.38	0.58
1:A:1:MET:HB3	1:A:5:THR:CG2	2.34	0.58
1:A:40:LEU:HD23	1:A:44:GLU:C	2.24	0.58
1:A:541:ALA:HA	1:A:544:ASP:OD2	2.03	0.58
1:B:483:ARG:HG3	1:B:487:PHE:CD1	2.38	0.58
1:B:541:ALA:HA	1:B:544:ASP:OD2	2.02	0.58
1:C:132:LEU:HD12	1:C:135:ARG:CZ	2.32	0.58
1:C:326:ILE:HD12	1:C:345:ASN:HD22	1.69	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:515:LEU:HD13	1:C:519:GLN:CB	2.33	0.58
1:D:484:MET:HG2	1:D:490:VAL:HG21	1.85	0.58
1:E:5:THR:CG2	1:E:73:VAL:HG21	2.34	0.58
1:E:384:ILE:HG23	1:E:385:LEU:N	2.19	0.58
1:E:462:TYR:CD1	1:E:467:PHE:HB3	2.39	0.58
1:F:125:VAL:HB	1:F:297:VAL:CA	2.16	0.58
1:F:279:THR:HG22	1:G:115:ASN:HA	1.84	0.58
1:F:280:THR:HG23	1:G:114:TYR:CG	2.16	0.58
1:F:385:LEU:HD21	1:F:467:PHE:CE1	2.37	0.58
1:F:558:TYR:CE2	1:F:562:LEU:HD21	2.38	0.58
1:G:323:ARG:HG2	1:G:327:ILE:HD11	1.85	0.58
1:G:449:ILE:C	1:G:449:ILE:HD13	2.23	0.58
1:H:40:LEU:HD23	1:H:44:GLU:C	2.24	0.58
1:I:183:LEU:HD13	1:I:195:MET:HG3	1.86	0.58
1:J:5:THR:CG2	1:J:73:VAL:HG21	2.34	0.58
1:J:11:GLN:NE2	1:J:103:THR:HA	2.19	0.58
1:J:92:ILE:HG12	1:J:96:GLN:NE2	2.14	0.58
1:J:110:ARG:HG3	1:J:114:TYR:CE2	2.39	0.58
1:J:134:LEU:O	1:J:134:LEU:HD13	2.02	0.58
1:J:562:LEU:CD1	1:J:580:GLN:HG3	2.33	0.58
1:K:201:TYR:OH	1:L:219:LEU:HD12	2.03	0.58
1:K:326:ILE:HD12	1:K:345:ASN:HD22	1.69	0.58
1:K:515:LEU:HD13	1:K:519:GLN:CB	2.33	0.58
1:M:1:MET:HB3	1:M:5:THR:CG2	2.34	0.58
1:M:318:THR:CG2	1:M:323:ARG:HE	2.16	0.58
1:M:525:LYS:HB3	1:M:526:PRO:CD	2.32	0.58
1:N:32:VAL:HG12	1:N:45:ILE:HD13	1.85	0.58
1:N:40:LEU:HD23	1:N:44:GLU:C	2.24	0.58
1:O:8:HIS:ND1	1:O:95:GLU:HA	2.19	0.58
1:P:5:THR:CG2	1:P:73:VAL:HG21	2.34	0.58
1:P:35:MET:CG	1:P:40:LEU:CB	2.81	0.58
1:P:499:GLN:HG2	1:P:554:ILE:HG12	1.85	0.58
1:P:562:LEU:HD12	1:P:577:ALA:O	2.03	0.58
1:A:8:HIS:ND1	1:A:95:GLU:HA	2.19	0.58
1:A:45:ILE:O	1:A:49:ILE:HG13	2.04	0.58
1:A:121:ALA:CB	3:A:1402:DTP:C2	2.79	0.58
1:A:241:LEU:HD12	1:A:261:LYS:HE2	1.86	0.58
1:A:385:LEU:HD21	1:A:467:PHE:CE1	2.37	0.58
1:A:484:MET:HG2	1:A:490:VAL:HG21	1.85	0.58
1:A:492:LEU:HD12	1:A:577:ALA:CB	2.28	0.58
1:B:12:TYR:CD2	1:B:16:LEU:HD21	2.38	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:219:LEU:HD12	1:C:201:TYR:OH	2.03	0.58
1:B:458:LEU:HD11	1:B:576:GLU:OE2	2.03	0.58
1:B:495:ARG:HH22	1:B:549:ILE:HD12	1.68	0.58
1:C:11:GLN:NE2	1:C:103:THR:HA	2.19	0.58
1:C:12:TYR:CD2	1:C:16:LEU:HD21	2.38	0.58
1:C:514:ILE:HD11	1:C:516:ASN:HD21	1.68	0.58
1:C:541:ALA:HA	1:C:544:ASP:OD2	2.03	0.58
1:D:11:GLN:NE2	1:D:103:THR:HA	2.19	0.58
1:D:40:LEU:HD23	1:D:44:GLU:C	2.24	0.58
1:D:40:LEU:HG	1:D:44:GLU:HB3	1.86	0.58
1:D:110:ARG:HG3	1:D:114:TYR:CE2	2.39	0.58
1:D:326:ILE:HD12	1:D:345:ASN:HD22	1.69	0.58
1:D:479:GLU:CB	1:D:481:PRO:HD2	2.27	0.58
1:D:499:GLN:HG2	1:D:554:ILE:HG12	1.85	0.58
1:D:562:LEU:CD1	1:D:580:GLN:HG3	2.33	0.58
1:E:40:LEU:HD23	1:E:44:GLU:C	2.24	0.58
1:E:106:TYR:CZ	1:E:169:LYS:HD2	2.39	0.58
1:E:183:LEU:HD13	1:E:195:MET:HG3	1.86	0.58
1:E:557:LYS:CG	1:E:596:UNK:HA	2.33	0.58
1:F:5:THR:CG2	1:F:73:VAL:HG21	2.34	0.58
1:F:35:MET:CG	1:F:40:LEU:CB	2.81	0.58
1:F:110:ARG:HG3	1:F:114:TYR:CE2	2.39	0.58
1:F:241:LEU:HD12	1:F:261:LYS:HE2	1.86	0.58
1:F:488:ARG:HB3	1:F:491:PHE:O	2.04	0.58
1:F:562:LEU:HD22	1:F:562:LEU:N	2.15	0.58
1:G:8:HIS:ND1	1:G:95:GLU:HA	2.19	0.58
1:G:106:TYR:CZ	1:G:169:LYS:HD2	2.39	0.58
1:G:562:LEU:CD1	1:G:580:GLN:HG3	2.33	0.58
1:H:32:VAL:HG12	1:H:45:ILE:HD13	1.85	0.58
1:H:242:LEU:HB2	1:H:262:ILE:HD13	1.84	0.58
1:I:1:MET:HB3	1:I:5:THR:CG2	2.34	0.58
1:I:3:PHE:HE1	1:J:281:THR:HG21	1.65	0.58
1:I:384:ILE:HG23	1:I:385:LEU:N	2.19	0.58
1:I:462:TYR:CD1	1:I:467:PHE:HB3	2.39	0.58
1:I:483:ARG:HG3	1:I:487:PHE:CD1	2.38	0.58
1:I:495:ARG:HH22	1:I:549:ILE:HD12	1.68	0.58
1:J:40:LEU:HD23	1:J:44:GLU:C	2.24	0.58
1:J:297:VAL:O	1:J:300:LEU:HG	2.03	0.58
1:J:326:ILE:HD12	1:J:345:ASN:HD22	1.69	0.58
1:J:499:GLN:HG2	1:J:554:ILE:HG12	1.85	0.58
1:K:11:GLN:NE2	1:K:103:THR:HA	2.19	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:132:LEU:HD12	1:K:135:ARG:CZ	2.32	0.58
1:K:514:ILE:HD11	1:K:516:ASN:HD21	1.68	0.58
1:K:557:LYS:CG	1:K:596:UNK:HA	2.33	0.58
1:L:12:TYR:CD2	1:L:16:LEU:HD21	2.38	0.58
1:L:132:LEU:HD12	1:L:135:ARG:CZ	2.32	0.58
1:L:483:ARG:HG3	1:L:487:PHE:CD1	2.38	0.58
1:L:495:ARG:HH22	1:L:549:ILE:HD12	1.68	0.58
1:M:5:THR:CG2	1:M:73:VAL:HG21	2.34	0.58
1:M:40:LEU:HD23	1:M:44:GLU:C	2.24	0.58
1:M:121:ALA:CB	3:M:1402:DTP:C2	2.79	0.58
1:M:241:LEU:HD12	1:M:261:LYS:HE2	1.86	0.58
1:M:323:ARG:HG2	1:M:327:ILE:HD11	1.85	0.58
1:N:365:TYR:CD2	1:N:401:VAL:HG13	2.38	0.58
1:N:525:LYS:HB3	1:N:526:PRO:CD	2.33	0.58
1:O:106:TYR:CZ	1:O:169:LYS:HD2	2.39	0.58
1:O:115:ASN:HA	1:P:279:THR:HG22	1.84	0.58
1:O:323:ARG:HG2	1:O:327:ILE:HD11	1.85	0.58
1:P:241:LEU:HD12	1:P:261:LYS:HE2	1.86	0.58
1:P:425:ILE:HG23	1:P:426:TYR:N	2.18	0.58
1:P:488:ARG:HB3	1:P:491:PHE:O	2.04	0.58
1:P:633:UNK:O	1:P:638:UNK:HA	2.03	0.58
1:A:5:THR:CG2	1:A:73:VAL:HG21	2.34	0.58
1:A:132:LEU:HD12	1:A:135:ARG:CZ	2.32	0.58
1:A:326:ILE:HD12	1:A:345:ASN:HD22	1.69	0.58
1:A:514:ILE:HD11	1:A:516:ASN:HD21	1.68	0.58
1:B:8:HIS:ND1	1:B:95:GLU:HA	2.19	0.58
1:B:11:GLN:NE2	1:B:103:THR:HA	2.19	0.58
1:B:110:ARG:HG3	1:B:114:TYR:CE2	2.39	0.58
1:B:318:THR:CG2	1:B:323:ARG:HE	2.16	0.58
1:B:483:ARG:HH11	1:B:531:ASN:ND2	2.01	0.58
1:B:499:GLN:HG2	1:B:554:ILE:HG12	1.85	0.58
1:B:557:LYS:CG	1:B:596:UNK:HA	2.33	0.58
1:C:32:VAL:HG12	1:C:45:ILE:HD13	1.86	0.58
1:C:106:TYR:CZ	1:C:169:LYS:HD2	2.39	0.58
1:C:425:ILE:HG23	1:C:426:TYR:N	2.18	0.58
1:C:459:ILE:HD12	1:C:497:LEU:CD1	2.33	0.58
1:C:483:ARG:HG3	1:C:487:PHE:CD1	2.38	0.58
1:C:557:LYS:CG	1:C:596:UNK:HA	2.33	0.58
1:D:19:PHE:CE2	1:L:87:PHE:CD1	2.88	0.58
1:D:297:VAL:O	1:D:300:LEU:HG	2.03	0.58
1:E:1:MET:HB3	1:E:5:THR:CG2	2.34	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:281:THR:HG21	1:F:3:PHE:HE1	1.65	0.58
1:E:459:ILE:HD12	1:E:497:LEU:CD1	2.33	0.58
1:E:483:ARG:HG3	1:E:487:PHE:CD1	2.38	0.58
1:E:488:ARG:HB3	1:E:491:PHE:O	2.04	0.58
1:E:514:ILE:HD11	1:E:516:ASN:HD21	1.68	0.58
1:F:32:VAL:HG12	1:F:45:ILE:HD13	1.85	0.58
1:F:425:ILE:HG23	1:F:426:TYR:N	2.18	0.58
1:F:562:LEU:HD12	1:F:577:ALA:O	2.03	0.58
1:G:28:ASP:O	1:G:31:ASP:HB2	2.02	0.58
1:G:40:LEU:HG	1:G:44:GLU:HB3	1.85	0.58
1:G:280:THR:H	1:H:114:TYR:HB3	1.67	0.58
1:G:425:ILE:HG23	1:G:426:TYR:N	2.18	0.58
1:G:462:TYR:CD1	1:G:467:PHE:HB3	2.39	0.58
1:H:5:THR:CG2	1:H:73:VAL:HG21	2.34	0.58
1:H:365:TYR:CD2	1:H:401:VAL:HG13	2.38	0.58
1:H:525:LYS:HB3	1:H:526:PRO:CD	2.33	0.58
1:I:40:LEU:HD23	1:I:44:GLU:C	2.24	0.58
1:I:106:TYR:CZ	1:I:169:LYS:HD2	2.39	0.58
1:I:488:ARG:HB3	1:I:491:PHE:O	2.04	0.58
1:I:557:LYS:CG	1:I:596:UNK:HA	2.33	0.58
1:J:40:LEU:HG	1:J:44:GLU:HB3	1.86	0.58
1:K:12:TYR:CD2	1:K:16:LEU:HD21	2.38	0.58
1:K:110:ARG:HG3	1:K:114:TYR:HE2	1.68	0.58
1:L:8:HIS:ND1	1:L:95:GLU:HA	2.19	0.58
1:L:201:TYR:OH	1:M:219:LEU:HD12	2.03	0.58
1:L:483:ARG:HH11	1:L:531:ASN:ND2	2.01	0.58
1:L:557:LYS:CG	1:L:596:UNK:HA	2.33	0.58
1:M:8:HIS:ND1	1:M:95:GLU:HA	2.19	0.58
1:M:45:ILE:O	1:M:49:ILE:HG13	2.04	0.58
1:M:132:LEU:HD12	1:M:135:ARG:CZ	2.32	0.58
1:M:326:ILE:HD12	1:M:345:ASN:HD22	1.69	0.58
1:M:385:LEU:HD21	1:M:467:PHE:CE1	2.37	0.58
1:M:484:MET:HG2	1:M:490:VAL:HG21	1.85	0.58
1:M:514:ILE:HD11	1:M:516:ASN:HD21	1.68	0.58
1:O:5:THR:CG2	1:O:73:VAL:HG21	2.34	0.58
1:O:40:LEU:HG	1:O:44:GLU:HB3	1.85	0.58
1:O:65:LEU:CD1	1:O:72:MET:HE2	2.33	0.58
1:O:425:ILE:HG23	1:O:426:TYR:N	2.18	0.58
1:O:449:ILE:C	1:O:449:ILE:HD13	2.23	0.58
1:O:462:TYR:CD1	1:O:467:PHE:HB3	2.39	0.58
1:O:562:LEU:CD1	1:O:580:GLN:HG3	2.33	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:110:ARG:HG3	1:P:114:TYR:CE2	2.39	0.58
1:P:326:ILE:HD12	1:P:345:ASN:HD22	1.69	0.58
1:A:20:GLU:HG2	1:A:27:PHE:CE2	2.39	0.58
1:A:384:ILE:HG23	1:A:385:LEU:N	2.19	0.58
1:A:525:LYS:HB3	1:A:526:PRO:CD	2.33	0.58
1:A:564:ILE:O	1:A:567:MET:HG2	2.04	0.58
1:A:581:VAL:HG22	1:A:582:GLN:N	2.17	0.58
1:B:20:GLU:HG2	1:B:27:PHE:CE2	2.39	0.58
1:B:391:PHE:CG	1:B:394:ILE:HG22	2.38	0.58
1:B:486:LEU:HA	1:B:488:ARG:NH1	2.19	0.58
1:B:488:ARG:HB3	1:B:491:PHE:O	2.04	0.58
1:C:390:TRP:HD1	1:C:398:VAL:HB	1.67	0.58
1:D:281:THR:HG21	1:E:3:PHE:HE1	1.65	0.58
1:D:459:ILE:HD12	1:D:497:LEU:CD1	2.33	0.58
1:D:486:LEU:HA	1:D:488:ARG:NH1	2.19	0.58
1:D:488:ARG:HB3	1:D:491:PHE:O	2.04	0.58
1:E:391:PHE:CG	1:E:394:ILE:HG22	2.38	0.58
1:E:466:TYR:CD1	1:E:470:HIS:HB2	2.38	0.58
1:E:495:ARG:HH22	1:E:549:ILE:HD12	1.68	0.58
1:E:564:ILE:O	1:E:567:MET:HG2	2.04	0.58
1:F:183:LEU:HD13	1:F:195:MET:HG3	1.85	0.58
1:F:326:ILE:HD12	1:F:345:ASN:HD22	1.69	0.58
1:F:483:ARG:HG3	1:F:487:PHE:CD1	2.38	0.58
1:F:495:ARG:HH22	1:F:549:ILE:HD12	1.68	0.58
1:F:557:LYS:CG	1:F:596:UNK:HA	2.33	0.58
1:F:564:ILE:O	1:F:567:MET:HG2	2.04	0.58
1:G:5:THR:CG2	1:G:73:VAL:HG21	2.34	0.58
1:G:65:LEU:CD1	1:G:72:MET:HG2	2.34	0.58
1:H:488:ARG:HB3	1:H:491:PHE:O	2.04	0.58
1:I:11:GLN:NE2	1:I:103:THR:HA	2.19	0.58
1:I:40:LEU:HG	1:I:44:GLU:HB3	1.85	0.58
1:I:459:ILE:HD12	1:I:497:LEU:CD1	2.33	0.58
1:I:514:ILE:HD11	1:I:516:ASN:HD21	1.68	0.58
1:I:564:ILE:O	1:I:567:MET:HG2	2.04	0.58
1:J:486:LEU:HA	1:J:488:ARG:NH1	2.19	0.58
1:K:32:VAL:HG12	1:K:45:ILE:HD13	1.86	0.58
1:K:106:TYR:CZ	1:K:169:LYS:HD2	2.39	0.58
1:K:425:ILE:HG23	1:K:426:TYR:N	2.18	0.58
1:K:483:ARG:HG3	1:K:487:PHE:CD1	2.38	0.58
1:L:11:GLN:NE2	1:L:103:THR:HA	2.19	0.58
1:L:20:GLU:HG2	1:L:27:PHE:CE2	2.39	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:110:ARG:HG3	1:L:114:TYR:CE2	2.39	0.58
1:L:318:THR:CG2	1:L:323:ARG:HE	2.16	0.58
1:L:391:PHE:CG	1:L:394:ILE:HG22	2.38	0.58
1:L:458:LEU:HD11	1:L:576:GLU:OE2	2.03	0.58
1:L:476:LYS:HB2	1:L:527:TYR:HD1	1.68	0.58
1:L:484:MET:HG2	1:L:490:VAL:HG21	1.85	0.58
1:L:486:LEU:HA	1:L:488:ARG:NH1	2.19	0.58
1:L:488:ARG:HB3	1:L:491:PHE:O	2.04	0.58
1:L:499:GLN:HG2	1:L:554:ILE:HG12	1.85	0.58
1:L:558:TYR:CE2	1:L:562:LEU:HD21	2.38	0.58
1:M:20:GLU:HG2	1:M:27:PHE:CE2	2.39	0.58
1:M:564:ILE:O	1:M:567:MET:HG2	2.04	0.58
1:M:581:VAL:HG22	1:M:582:GLN:N	2.17	0.58
1:N:110:ARG:HG3	1:N:114:TYR:HE2	1.68	0.58
1:N:488:ARG:HB3	1:N:491:PHE:O	2.04	0.58
1:N:558:TYR:CE2	1:N:562:LEU:HD21	2.38	0.58
1:O:65:LEU:CD1	1:O:72:MET:HG2	2.34	0.58
1:P:318:THR:CG2	1:P:323:ARG:HE	2.16	0.58
1:P:483:ARG:HG3	1:P:487:PHE:CD1	2.38	0.58
1:P:562:LEU:HD22	1:P:562:LEU:N	2.15	0.58
1:P:564:ILE:O	1:P:567:MET:HG2	2.04	0.58
1:A:200:LEU:HD22	1:A:208:THR:CG2	2.29	0.58
1:A:219:LEU:HD12	1:B:201:TYR:OH	2.03	0.58
1:A:219:LEU:HD22	1:A:219:LEU:N	2.19	0.58
1:A:313:PRO:HA	1:A:316:VAL:HG13	1.85	0.58
1:B:19:PHE:CG	1:B:88:LEU:HD21	2.38	0.58
1:B:87:PHE:CD1	1:J:19:PHE:CE2	2.88	0.58
1:B:326:ILE:HD12	1:B:345:ASN:HD22	1.69	0.58
1:B:425:ILE:HG23	1:B:426:TYR:N	2.18	0.58
1:B:476:LYS:HB2	1:B:527:TYR:HD1	1.68	0.58
1:B:484:MET:HG2	1:B:490:VAL:HG21	1.85	0.58
1:B:558:TYR:CE2	1:B:562:LEU:HD21	2.38	0.58
1:B:839:UNK:HA	1:B:848:UNK:O	2.03	0.58
1:C:8:HIS:ND1	1:C:95:GLU:HA	2.19	0.58
1:C:46:ASP:HA	1:C:49:ILE:HD12	1.85	0.58
1:C:110:ARG:HG3	1:C:114:TYR:HE2	1.68	0.58
1:C:183:LEU:HD13	1:C:195:MET:HG3	1.86	0.58
1:C:219:LEU:N	1:C:219:LEU:HD22	2.19	0.58
1:C:486:LEU:HA	1:C:488:ARG:NH1	2.19	0.58
1:C:499:GLN:HG2	1:C:554:ILE:HG12	1.85	0.58
1:D:219:LEU:N	1:D:219:LEU:HD22	2.19	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:241:LEU:HD12	1:D:261:LYS:HE2	1.86	0.58
1:E:11:GLN:NE2	1:E:103:THR:HA	2.19	0.58
1:E:12:TYR:CD2	1:E:16:LEU:HD21	2.38	0.58
1:E:32:VAL:HG12	1:E:45:ILE:HD13	1.86	0.58
1:E:169:LYS:HG3	1:E:170:VAL:N	2.19	0.58
1:F:219:LEU:HD12	1:G:201:TYR:OH	2.03	0.58
1:F:318:THR:CG2	1:F:323:ARG:HE	2.16	0.58
1:G:40:LEU:HD23	1:G:44:GLU:C	2.24	0.58
1:G:46:ASP:HA	1:G:49:ILE:HD12	1.85	0.58
1:G:385:LEU:HD21	1:G:467:PHE:CE1	2.37	0.58
1:H:19:PHE:CG	1:H:88:LEU:HD21	2.38	0.58
1:H:20:GLU:HG2	1:H:27:PHE:CE2	2.39	0.58
1:H:558:TYR:CE2	1:H:562:LEU:HD21	2.38	0.58
1:I:12:TYR:CD2	1:I:16:LEU:HD21	2.38	0.58
1:I:32:VAL:HG12	1:I:45:ILE:HD13	1.86	0.58
1:I:391:PHE:CG	1:I:394:ILE:HG22	2.38	0.58
1:I:466:TYR:CD1	1:I:470:HIS:HB2	2.38	0.58
1:J:120:PHE:HE1	1:J:122:LYS:HA	1.62	0.58
1:J:219:LEU:N	1:J:219:LEU:HD22	2.19	0.58
1:J:488:ARG:HB3	1:J:491:PHE:O	2.04	0.58
1:K:46:ASP:HA	1:K:49:ILE:HD12	1.85	0.58
1:K:65:LEU:CD1	1:K:72:MET:HG2	2.34	0.58
1:K:183:LEU:HD13	1:K:195:MET:HG3	1.86	0.58
1:K:459:ILE:HD12	1:K:497:LEU:CD1	2.33	0.58
1:K:486:LEU:HA	1:K:488:ARG:NH1	2.19	0.58
1:K:499:GLN:HG2	1:K:554:ILE:HG12	1.85	0.58
1:L:52:LYS:HB2	1:L:52:LYS:NZ	2.17	0.58
1:L:839:UNK:HA	1:L:848:UNK:O	2.03	0.58
1:M:219:LEU:HD22	1:M:219:LEU:N	2.19	0.58
1:M:384:ILE:HG23	1:M:385:LEU:N	2.19	0.58
1:M:492:LEU:HD12	1:M:577:ALA:CB	2.28	0.58
1:N:5:THR:CG2	1:N:73:VAL:HG21	2.34	0.58
1:N:20:GLU:HG2	1:N:27:PHE:CE2	2.39	0.58
1:N:45:ILE:O	1:N:49:ILE:HG13	2.04	0.58
1:N:323:ARG:HG2	1:N:327:ILE:HD11	1.85	0.58
1:O:40:LEU:HD23	1:O:44:GLU:C	2.24	0.58
1:O:46:ASP:HA	1:O:49:ILE:HD12	1.85	0.58
1:O:466:TYR:CD1	1:O:470:HIS:HB2	2.38	0.58
1:O:564:ILE:O	1:O:567:MET:HG2	2.04	0.58
1:P:32:VAL:HG12	1:P:45:ILE:HD13	1.85	0.58
1:P:183:LEU:HD13	1:P:195:MET:HG3	1.85	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:391:PHE:CG	1:P:394:ILE:HG22	2.38	0.58
1:P:484:MET:HG2	1:P:490:VAL:HG21	1.85	0.58
1:P:542:ILE:HD12	1:P:543:LEU:N	2.19	0.58
1:P:557:LYS:CG	1:P:596:UNK:HA	2.33	0.58
1:B:40:LEU:HD23	1:B:44:GLU:C	2.24	0.57
1:C:15:ILE:C	1:C:15:ILE:HD13	2.25	0.57
1:C:40:LEU:HD23	1:C:44:GLU:C	2.24	0.57
1:C:65:LEU:CD1	1:C:72:MET:HG2	2.34	0.57
1:C:131:TYR:HD2	1:C:132:LEU:CD2	2.15	0.57
1:C:564:ILE:O	1:C:567:MET:HG2	2.04	0.57
1:C:602:UNK:CB	1:C:1000:UNK:HA	2.34	0.57
1:D:129:GLN:CB	1:D:130:PRO:HD3	2.33	0.57
1:D:483:ARG:HH11	1:D:531:ASN:ND2	2.01	0.57
1:E:40:LEU:HG	1:E:44:GLU:HB3	1.85	0.57
1:E:390:TRP:HD1	1:E:398:VAL:HB	1.67	0.57
1:E:602:UNK:CB	1:E:1000:UNK:HA	2.34	0.57
1:F:65:LEU:CD1	1:F:72:MET:HG2	2.34	0.57
1:F:327:ILE:O	1:F:331:ILE:HD13	2.04	0.57
1:F:542:ILE:HD12	1:F:543:LEU:N	2.19	0.57
1:G:169:LYS:HG3	1:G:170:VAL:N	2.19	0.57
1:G:514:ILE:HD11	1:G:516:ASN:HD21	1.68	0.57
1:G:564:ILE:O	1:G:567:MET:HG2	2.04	0.57
1:H:8:HIS:ND1	1:H:95:GLU:HA	2.19	0.57
1:H:45:ILE:O	1:H:49:ILE:HG13	2.04	0.57
1:H:110:ARG:HG3	1:H:114:TYR:HE2	1.68	0.57
1:H:323:ARG:HG2	1:H:327:ILE:HD11	1.85	0.57
1:H:385:LEU:HD21	1:H:467:PHE:CE1	2.37	0.57
1:I:169:LYS:HG3	1:I:170:VAL:N	2.19	0.57
1:I:326:ILE:HD12	1:I:345:ASN:HD22	1.69	0.57
1:I:425:ILE:HG23	1:I:426:TYR:N	2.18	0.57
1:J:459:ILE:HD12	1:J:497:LEU:CD1	2.33	0.57
1:K:8:HIS:ND1	1:K:95:GLU:HA	2.19	0.57
1:K:15:ILE:C	1:K:15:ILE:HD13	2.25	0.57
1:K:40:LEU:HD23	1:K:44:GLU:C	2.24	0.57
1:K:219:LEU:N	1:K:219:LEU:HD22	2.19	0.57
1:K:564:ILE:O	1:K:567:MET:HG2	2.04	0.57
1:K:602:UNK:CB	1:K:1000:UNK:HA	2.34	0.57
1:L:40:LEU:HG	1:L:44:GLU:HB3	1.86	0.57
1:L:326:ILE:HD12	1:L:345:ASN:HD22	1.69	0.57
1:L:425:ILE:HG23	1:L:426:TYR:N	2.18	0.57
1:M:313:PRO:HA	1:M:316:VAL:HG13	1.85	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:483:ARG:HG3	1:M:487:PHE:CD1	2.38	0.57
1:N:19:PHE:CG	1:N:88:LEU:HD21	2.38	0.57
1:N:326:ILE:HD12	1:N:345:ASN:HD22	1.69	0.57
1:N:387:SER:HB3	1:N:391:PHE:HE2	1.67	0.57
1:O:15:ILE:C	1:O:15:ILE:HD13	2.25	0.57
1:O:241:LEU:HD12	1:O:261:LYS:HE2	1.86	0.57
1:O:385:LEU:HD21	1:O:467:PHE:CE1	2.37	0.57
1:O:483:ARG:HG3	1:O:487:PHE:CD1	2.38	0.57
1:O:514:ILE:HD11	1:O:516:ASN:HD21	1.68	0.57
1:P:15:ILE:C	1:P:15:ILE:HD13	2.25	0.57
1:P:219:LEU:N	1:P:219:LEU:HD22	2.19	0.57
1:P:327:ILE:O	1:P:331:ILE:HD13	2.04	0.57
1:P:495:ARG:HH22	1:P:549:ILE:HD12	1.68	0.57
1:A:19:PHE:HE2	1:I:87:PHE:CB	2.08	0.57
1:A:106:TYR:CZ	1:A:169:LYS:HD2	2.39	0.57
1:A:121:ALA:HB1	3:A:1402:DTP:N1	2.20	0.57
1:A:483:ARG:HG3	1:A:487:PHE:CD1	2.38	0.57
1:A:486:LEU:HA	1:A:488:ARG:NH1	2.19	0.57
1:B:5:THR:CG2	1:B:73:VAL:HG21	2.34	0.57
1:B:462:TYR:CD1	1:B:467:PHE:HB3	2.39	0.57
1:B:542:ILE:HD12	1:B:543:LEU:N	2.19	0.57
1:C:45:ILE:O	1:C:49:ILE:HG13	2.04	0.57
1:C:313:PRO:HA	1:C:316:VAL:HG13	1.85	0.57
1:C:558:TYR:CE2	1:C:562:LEU:HD21	2.38	0.57
1:D:15:ILE:C	1:D:15:ILE:HD13	2.25	0.57
1:D:241:LEU:HD13	1:D:261:LYS:CE	2.34	0.57
1:D:558:TYR:CE2	1:D:562:LEU:HD21	2.38	0.57
1:E:65:LEU:CD1	1:E:72:MET:HE2	2.34	0.57
1:E:326:ILE:HD12	1:E:345:ASN:HD22	1.69	0.57
1:F:15:ILE:HD13	1:F:15:ILE:C	2.25	0.57
1:F:219:LEU:N	1:F:219:LEU:HD22	2.19	0.57
1:F:391:PHE:CG	1:F:394:ILE:HG22	2.38	0.57
1:F:483:ARG:HH11	1:F:531:ASN:ND2	2.01	0.57
1:F:484:MET:HG2	1:F:490:VAL:HG21	1.85	0.57
1:G:241:LEU:HD12	1:G:261:LYS:HE2	1.86	0.57
1:G:488:ARG:HB3	1:G:491:PHE:O	2.04	0.57
1:H:110:ARG:HG3	1:H:114:TYR:CE2	2.39	0.57
1:H:121:ALA:CB	3:H:1402:DTP:C2	2.79	0.57
1:H:326:ILE:HD12	1:H:345:ASN:HD22	1.69	0.57
1:H:390:TRP:CE2	1:H:402:VAL:HG13	2.39	0.57
1:H:542:ILE:HD12	1:H:543:LEU:N	2.19	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:602:UNK:CB	1:I:1000:UNK:HA	2.34	0.57
1:J:15:ILE:C	1:J:15:ILE:HD13	2.25	0.57
1:J:106:TYR:CZ	1:J:169:LYS:HD2	2.39	0.57
1:J:241:LEU:HD13	1:J:261:LYS:CE	2.34	0.57
1:J:313:PRO:HA	1:J:316:VAL:HG13	1.85	0.57
1:J:475:LEU:CA	1:J:478:ILE:HG12	2.34	0.57
1:J:483:ARG:HG3	1:J:487:PHE:CD1	2.38	0.57
1:J:483:ARG:HH11	1:J:531:ASN:ND2	2.01	0.57
1:J:542:ILE:HD12	1:J:543:LEU:N	2.19	0.57
1:K:45:ILE:O	1:K:49:ILE:HG13	2.04	0.57
1:K:558:TYR:CE2	1:K:562:LEU:HD21	2.38	0.57
1:L:19:PHE:CG	1:L:88:LEU:HD21	2.38	0.57
1:L:40:LEU:HD23	1:L:44:GLU:C	2.24	0.57
1:L:313:PRO:HA	1:L:316:VAL:HG13	1.85	0.57
1:L:462:TYR:CD1	1:L:467:PHE:HB3	2.39	0.57
1:M:253:TRP:HZ2	1:M:266:THR:HG1	1.52	0.57
1:M:476:LYS:HB2	1:M:527:TYR:HD1	1.68	0.57
1:N:8:HIS:ND1	1:N:95:GLU:HA	2.19	0.57
1:N:121:ALA:CB	3:N:1402:DTP:C2	2.79	0.57
1:N:318:THR:CG2	1:N:323:ARG:HE	2.16	0.57
1:N:385:LEU:HD21	1:N:467:PHE:CE1	2.37	0.57
1:N:483:ARG:HG3	1:N:487:PHE:CD1	2.38	0.57
1:N:542:ILE:HD12	1:N:543:LEU:N	2.19	0.57
1:N:564:ILE:O	1:N:567:MET:HG2	2.04	0.57
1:O:114:TYR:CG	1:P:280:THR:HG23	2.16	0.57
1:O:169:LYS:HG3	1:O:170:VAL:N	2.19	0.57
1:O:201:TYR:OH	1:P:219:LEU:HD12	2.03	0.57
1:O:318:THR:CG2	1:O:323:ARG:HE	2.16	0.57
1:O:488:ARG:HB3	1:O:491:PHE:O	2.04	0.57
1:P:65:LEU:CD1	1:P:72:MET:HG2	2.34	0.57
1:P:483:ARG:HH11	1:P:531:ASN:ND2	2.01	0.57
1:P:602:UNK:CB	1:P:1000:UNK:HA	2.34	0.57
1:A:327:ILE:CG2	1:A:331:ILE:HD13	2.33	0.57
1:B:15:ILE:HD13	1:B:15:ILE:C	2.25	0.57
1:B:40:LEU:HG	1:B:44:GLU:HB3	1.86	0.57
1:B:52:LYS:HB2	1:B:52:LYS:NZ	2.17	0.57
1:B:279:THR:HG22	1:C:115:ASN:HA	1.84	0.57
1:B:313:PRO:HA	1:B:316:VAL:HG13	1.85	0.57
1:C:35:MET:CG	1:C:40:LEU:HD22	2.32	0.57
1:C:462:TYR:CD1	1:C:467:PHE:HB3	2.39	0.57
1:C:488:ARG:HB3	1:C:491:PHE:O	2.04	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:120:PHE:HE1	1:D:122:LYS:HA	1.62	0.57
1:D:462:TYR:CD1	1:D:467:PHE:HB3	2.39	0.57
1:D:475:LEU:CA	1:D:478:ILE:HG12	2.34	0.57
1:D:483:ARG:HG3	1:D:487:PHE:CD1	2.38	0.57
1:D:542:ILE:HD12	1:D:543:LEU:N	2.19	0.57
1:E:45:ILE:O	1:E:49:ILE:HG13	2.04	0.57
1:E:425:ILE:HG23	1:E:426:TYR:N	2.18	0.57
1:E:486:LEU:HA	1:E:488:ARG:NH1	2.19	0.57
1:F:40:LEU:HD23	1:F:44:GLU:C	2.24	0.57
1:F:106:TYR:CZ	1:F:169:LYS:HB2	2.40	0.57
1:F:353:ILE:HB	1:F:426:TYR:OH	2.04	0.57
1:F:602:UNK:CB	1:F:1000:UNK:HA	2.34	0.57
1:G:123:TYR:HD1	1:G:304:TYR:CA	2.10	0.57
1:G:318:THR:CG2	1:G:323:ARG:HE	2.16	0.57
1:G:466:TYR:CD1	1:G:470:HIS:HB2	2.38	0.57
1:G:483:ARG:HG3	1:G:487:PHE:CD1	2.38	0.57
1:H:318:THR:CG2	1:H:323:ARG:HE	2.16	0.57
1:H:483:ARG:HG3	1:H:487:PHE:CD1	2.38	0.57
1:H:564:ILE:O	1:H:567:MET:HG2	2.04	0.57
1:I:327:ILE:O	1:I:331:ILE:HD13	2.04	0.57
1:I:390:TRP:HD1	1:I:398:VAL:HB	1.67	0.57
1:J:129:GLN:CB	1:J:130:PRO:HD3	2.33	0.57
1:J:330:SER:HA	1:J:333:ASP:OD1	2.04	0.57
1:J:558:TYR:CE2	1:J:562:LEU:HD21	2.38	0.57
1:K:313:PRO:HA	1:K:316:VAL:HG13	1.85	0.57
1:K:390:TRP:HD1	1:K:398:VAL:HB	1.67	0.57
1:K:462:TYR:CD1	1:K:467:PHE:HB3	2.39	0.57
1:L:542:ILE:HD12	1:L:543:LEU:N	2.19	0.57
1:L:602:UNK:CB	1:L:1000:UNK:HA	2.34	0.57
1:M:1:MET:HB3	1:M:5:THR:CB	2.35	0.57
1:M:106:TYR:CZ	1:M:169:LYS:HD2	2.39	0.57
1:M:121:ALA:HB1	3:M:1402:DTP:N1	2.20	0.57
1:M:200:LEU:HD22	1:M:208:THR:CG2	2.29	0.57
1:M:314:ARG:HG3	1:M:341:TRP:CH2	2.39	0.57
1:M:475:LEU:CA	1:M:478:ILE:HG12	2.34	0.57
1:M:486:LEU:HA	1:M:488:ARG:NH1	2.19	0.57
1:M:557:LYS:CG	1:M:596:UNK:HA	2.33	0.57
1:N:40:LEU:HD22	1:N:48:ILE:HD11	1.69	0.57
1:N:110:ARG:HG3	1:N:114:TYR:CE2	2.39	0.57
1:N:131:TYR:HD2	1:N:132:LEU:CD2	2.15	0.57
1:N:219:LEU:N	1:N:219:LEU:HD22	2.19	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:390:TRP:CE2	1:N:402:VAL:HG13	2.39	0.57
1:N:425:ILE:HG23	1:N:426:TYR:N	2.18	0.57
1:N:557:LYS:CG	1:N:596:UNK:HA	2.33	0.57
1:P:11:GLN:NE2	1:P:103:THR:HA	2.19	0.57
1:P:106:TYR:CZ	1:P:169:LYS:HB2	2.40	0.57
1:A:1:MET:HB3	1:A:5:THR:CB	2.35	0.57
1:A:11:GLN:NE2	1:A:103:THR:HA	2.19	0.57
1:A:314:ARG:HG3	1:A:341:TRP:CH2	2.39	0.57
1:A:475:LEU:CA	1:A:478:ILE:HG12	2.34	0.57
1:A:476:LYS:HB2	1:A:527:TYR:HD1	1.68	0.57
1:A:557:LYS:CG	1:A:596:UNK:HA	2.33	0.57
1:B:1:MET:HB3	1:B:5:THR:CG2	2.34	0.57
1:B:45:ILE:O	1:B:49:ILE:HG13	2.04	0.57
1:B:200:LEU:HD13	1:B:208:THR:CG2	2.33	0.57
1:B:253:TRP:CE3	1:B:275:LEU:HG	2.26	0.57
1:B:602:UNK:CB	1:B:1000:UNK:HA	2.34	0.57
1:C:20:GLU:HG2	1:C:27:PHE:CE2	2.39	0.57
1:C:141:LEU:CD1	1:C:145:LYS:HB3	2.28	0.57
1:D:106:TYR:CZ	1:D:169:LYS:HD2	2.39	0.57
1:D:313:PRO:HA	1:D:316:VAL:HG13	1.85	0.57
1:D:330:SER:HA	1:D:333:ASP:OD1	2.04	0.57
1:D:564:ILE:O	1:D:567:MET:HG2	2.04	0.57
1:E:20:GLU:HG2	1:E:27:PHE:CE2	2.39	0.57
1:E:106:TYR:CZ	1:E:169:LYS:HB2	2.40	0.57
1:E:327:ILE:O	1:E:331:ILE:HD13	2.04	0.57
1:F:11:GLN:NE2	1:F:103:THR:HA	2.19	0.57
1:G:15:ILE:C	1:G:15:ILE:HD13	2.25	0.57
1:G:219:LEU:N	1:G:219:LEU:HD22	2.19	0.57
1:H:1:MET:HB3	1:H:5:THR:CB	2.35	0.57
1:H:40:LEU:HG	1:H:44:GLU:HB3	1.86	0.57
1:H:131:TYR:HD2	1:H:132:LEU:CD2	2.15	0.57
1:H:219:LEU:N	1:H:219:LEU:HD22	2.19	0.57
1:H:387:SER:HB3	1:H:391:PHE:HE2	1.67	0.57
1:H:425:ILE:HG23	1:H:426:TYR:N	2.18	0.57
1:I:8:HIS:ND1	1:I:95:GLU:HA	2.19	0.57
1:I:20:GLU:HG2	1:I:27:PHE:CE2	2.39	0.57
1:I:45:ILE:O	1:I:49:ILE:HG13	2.04	0.57
1:I:106:TYR:CZ	1:I:169:LYS:HB2	2.40	0.57
1:I:110:ARG:HG3	1:I:114:TYR:CE2	2.39	0.57
1:I:486:LEU:HA	1:I:488:ARG:NH1	2.19	0.57
1:I:562:LEU:CD1	1:I:580:GLN:HG3	2.33	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:578:HIS:HA	1:J:581:VAL:CG1	2.35	0.57
1:K:115:ASN:HA	1:L:279:THR:HG22	1.84	0.57
1:L:5:THR:CG2	1:L:73:VAL:HG21	2.34	0.57
1:L:15:ILE:C	1:L:15:ILE:HD13	2.25	0.57
1:L:45:ILE:O	1:L:49:ILE:HG13	2.04	0.57
1:L:253:TRP:CE3	1:L:275:LEU:HG	2.26	0.57
1:M:462:TYR:CD1	1:M:467:PHE:HB3	2.39	0.57
1:O:3:PHE:HE1	1:P:281:THR:HG21	1.65	0.57
1:O:123:TYR:HD1	1:O:304:TYR:CA	2.10	0.57
1:O:326:ILE:HD12	1:O:345:ASN:HD22	1.69	0.57
1:P:40:LEU:HD23	1:P:44:GLU:C	2.24	0.57
1:P:353:ILE:HB	1:P:426:TYR:OH	2.04	0.57
1:A:131:TYR:HD2	1:A:132:LEU:CD2	2.15	0.57
1:A:462:TYR:CD1	1:A:467:PHE:HB3	2.39	0.57
1:A:578:HIS:HA	1:A:581:VAL:CG1	2.35	0.57
1:B:353:ILE:HB	1:B:426:TYR:OH	2.04	0.57
1:B:475:LEU:CA	1:B:478:ILE:HG12	2.34	0.57
1:B:578:HIS:HA	1:B:581:VAL:CG1	2.35	0.57
1:C:106:TYR:CZ	1:C:169:LYS:HB2	2.40	0.57
1:D:578:HIS:HA	1:D:581:VAL:CG1	2.35	0.57
1:E:8:HIS:ND1	1:E:95:GLU:HA	2.19	0.57
1:E:15:ILE:HD13	1:E:15:ILE:C	2.25	0.57
1:E:390:TRP:CE2	1:E:402:VAL:HG13	2.39	0.57
1:E:542:ILE:HD12	1:E:543:LEU:N	2.19	0.57
1:E:562:LEU:CD1	1:E:580:GLN:HG3	2.33	0.57
1:F:45:ILE:O	1:F:49:ILE:HG13	2.04	0.57
1:F:121:ALA:HB1	3:F:1402:DTP:N1	2.20	0.57
1:G:557:LYS:CG	1:G:596:UNK:HA	2.33	0.57
1:H:327:ILE:O	1:H:331:ILE:HD13	2.04	0.57
1:H:449:ILE:HG23	1:H:450:PRO:HD2	1.87	0.57
1:H:486:LEU:HA	1:H:488:ARG:NH1	2.19	0.57
1:I:15:ILE:HD13	1:I:15:ILE:C	2.25	0.57
1:I:499:GLN:HG2	1:I:554:ILE:HG12	1.85	0.57
1:J:3:PHE:HE1	1:K:281:THR:HG21	1.65	0.57
1:J:323:ARG:HG2	1:J:327:ILE:HD11	1.85	0.57
1:J:462:TYR:CD1	1:J:467:PHE:HB3	2.39	0.57
1:J:564:ILE:O	1:J:567:MET:HG2	2.04	0.57
1:K:20:GLU:HG2	1:K:27:PHE:CE2	2.39	0.57
1:K:35:MET:CG	1:K:40:LEU:HD22	2.32	0.57
1:K:253:TRP:CE3	1:K:275:LEU:HG	2.26	0.57
1:K:488:ARG:HB3	1:K:491:PHE:O	2.04	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:353:ILE:HB	1:L:426:TYR:OH	2.04	0.57
1:L:475:LEU:CA	1:L:478:ILE:HG12	2.34	0.57
1:L:578:HIS:HA	1:L:581:VAL:CG1	2.35	0.57
1:M:11:GLN:NE2	1:M:103:THR:HA	2.19	0.57
1:M:327:ILE:CG2	1:M:331:ILE:HD13	2.33	0.57
1:M:327:ILE:O	1:M:331:ILE:HD13	2.04	0.57
1:M:390:TRP:CE2	1:M:402:VAL:HG13	2.39	0.57
1:M:578:HIS:HA	1:M:581:VAL:CG1	2.35	0.57
1:N:1:MET:HB3	1:N:5:THR:CB	2.35	0.57
1:N:121:ALA:HB1	3:N:1402:DTP:N1	2.20	0.57
1:N:183:LEU:HD13	1:N:195:MET:HG3	1.85	0.57
1:N:327:ILE:O	1:N:331:ILE:HD13	2.04	0.57
1:O:313:PRO:HA	1:O:316:VAL:HG13	1.85	0.57
1:O:557:LYS:CG	1:O:596:UNK:HA	2.33	0.57
1:P:121:ALA:HB1	3:P:1402:DTP:N1	2.20	0.57
1:A:65:LEU:CD1	1:A:72:MET:HG2	2.34	0.57
1:A:327:ILE:O	1:A:331:ILE:HD13	2.04	0.57
1:A:390:TRP:CE2	1:A:402:VAL:HG13	2.39	0.57
1:A:449:ILE:HG23	1:A:450:PRO:HD2	1.87	0.57
1:B:106:TYR:CZ	1:B:169:LYS:HB2	2.40	0.57
1:B:330:SER:HA	1:B:333:ASP:OD1	2.04	0.57
1:B:557:LYS:H	1:B:597:UNK:CB	2.18	0.57
1:C:253:TRP:CE3	1:C:275:LEU:HG	2.26	0.57
1:C:327:ILE:O	1:C:331:ILE:HD13	2.04	0.57
1:D:19:PHE:CG	1:D:88:LEU:HD21	2.38	0.57
1:D:323:ARG:HG2	1:D:327:ILE:HD11	1.85	0.57
1:D:514:ILE:HD11	1:D:516:ASN:HD21	1.68	0.57
1:D:557:LYS:CG	1:D:596:UNK:HA	2.33	0.57
1:E:87:PHE:CB	1:M:19:PHE:HE2	2.07	0.57
1:E:110:ARG:HG3	1:E:114:TYR:CE2	2.39	0.57
1:E:353:ILE:HB	1:E:426:TYR:OH	2.04	0.57
1:E:499:GLN:HG2	1:E:554:ILE:HG12	1.85	0.57
1:F:20:GLU:HG2	1:F:27:PHE:CE2	2.39	0.57
1:G:1:MET:HB3	1:G:5:THR:CG2	2.34	0.57
1:H:35:MET:CG	1:H:40:LEU:HD22	2.32	0.57
1:H:121:ALA:HB1	3:H:1402:DTP:N1	2.20	0.57
1:H:183:LEU:HD13	1:H:195:MET:HG3	1.85	0.57
1:H:313:PRO:HA	1:H:316:VAL:HG13	1.85	0.57
1:H:602:UNK:CB	1:H:1000:UNK:HA	2.34	0.57
1:I:353:ILE:HB	1:I:426:TYR:OH	2.04	0.57
1:I:390:TRP:CE2	1:I:402:VAL:HG13	2.39	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:1:MET:HB3	1:J:5:THR:CG2	2.34	0.57
1:J:514:ILE:HD11	1:J:516:ASN:HD21	1.68	0.57
1:K:106:TYR:CZ	1:K:169:LYS:HB2	2.40	0.57
1:K:327:ILE:O	1:K:331:ILE:HD13	2.04	0.57
1:K:476:LYS:HB2	1:K:527:TYR:HD1	1.68	0.57
1:K:578:HIS:HA	1:K:581:VAL:CG1	2.35	0.57
1:L:1:MET:HB3	1:L:5:THR:CG2	2.34	0.57
1:L:1:MET:HB3	1:L:5:THR:CB	2.35	0.57
1:L:106:TYR:CZ	1:L:169:LYS:HB2	2.40	0.57
1:L:106:TYR:CZ	1:L:169:LYS:HD2	2.39	0.57
1:L:200:LEU:HD13	1:L:208:THR:CG2	2.33	0.57
1:L:219:LEU:N	1:L:219:LEU:HD22	2.19	0.57
1:M:65:LEU:CD1	1:M:72:MET:HG2	2.34	0.57
1:M:449:ILE:HG23	1:M:450:PRO:HD2	1.87	0.57
1:N:15:ILE:C	1:N:15:ILE:HD13	2.25	0.57
1:N:40:LEU:HG	1:N:44:GLU:HB3	1.86	0.57
1:N:169:LYS:HG3	1:N:170:VAL:N	2.19	0.57
1:N:313:PRO:HA	1:N:316:VAL:HG13	1.85	0.57
1:N:449:ILE:HG23	1:N:450:PRO:HD2	1.87	0.57
1:N:475:LEU:CA	1:N:478:ILE:HG12	2.34	0.57
1:N:486:LEU:HA	1:N:488:ARG:NH1	2.19	0.57
1:N:602:UNK:CB	1:N:1000:UNK:HA	2.34	0.57
1:O:219:LEU:N	1:O:219:LEU:HD22	2.19	0.57
1:P:45:ILE:O	1:P:49:ILE:HG13	2.04	0.57
1:P:106:TYR:CZ	1:P:169:LYS:HD2	2.39	0.57
1:P:131:TYR:HD2	1:P:132:LEU:CD2	2.15	0.57
1:P:411:VAL:HG23	1:P:412:GLU:N	2.16	0.57
1:A:40:LEU:HG	1:A:44:GLU:HB3	1.85	0.57
1:A:152:VAL:HG21	1:A:410:LEU:CD1	2.35	0.57
1:A:169:LYS:HG3	1:A:170:VAL:N	2.19	0.57
1:B:1:MET:HB3	1:B:5:THR:CB	2.35	0.57
1:B:46:ASP:HA	1:B:49:ILE:HD12	1.85	0.57
1:B:219:LEU:N	1:B:219:LEU:HD22	2.19	0.57
1:B:515:LEU:HD13	1:B:519:GLN:CB	2.33	0.57
1:C:121:ALA:CA	3:C:1402:DTP:H2	2.35	0.57
1:C:281:THR:HG21	1:D:3:PHE:HE1	1.65	0.57
1:C:476:LYS:HB2	1:C:527:TYR:HD1	1.68	0.57
1:C:557:LYS:H	1:C:597:UNK:CB	2.18	0.57
1:C:578:HIS:HA	1:C:581:VAL:CG1	2.35	0.57
1:D:327:ILE:O	1:D:331:ILE:HD13	2.04	0.57
1:F:281:THR:HG21	1:G:3:PHE:HE1	1.65	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:390:TRP:CE2	1:F:402:VAL:HG13	2.39	0.57
1:G:183:LEU:HD13	1:G:195:MET:HG3	1.86	0.57
1:G:313:PRO:HA	1:G:316:VAL:HG13	1.85	0.57
1:G:326:ILE:HD12	1:G:345:ASN:HD22	1.69	0.57
1:G:353:ILE:HB	1:G:426:TYR:OH	2.04	0.57
1:H:46:ASP:HA	1:H:49:ILE:HD12	1.85	0.57
1:H:475:LEU:CA	1:H:478:ILE:HG12	2.34	0.57
1:H:514:ILE:HD11	1:H:516:ASN:HD21	1.68	0.57
1:H:578:HIS:HA	1:H:581:VAL:CG1	2.35	0.57
1:I:65:LEU:CD1	1:I:72:MET:HG2	2.34	0.57
1:I:241:LEU:HD13	1:I:261:LYS:CE	2.34	0.57
1:I:542:ILE:HD12	1:I:543:LEU:N	2.19	0.57
1:I:578:HIS:HA	1:I:581:VAL:CG1	2.35	0.57
1:J:557:LYS:CG	1:J:596:UNK:HA	2.33	0.57
1:K:121:ALA:CA	3:K:1402:DTP:H2	2.35	0.57
1:K:557:LYS:H	1:K:597:UNK:CB	2.18	0.57
1:L:46:ASP:HA	1:L:49:ILE:HD12	1.85	0.57
1:L:65:LEU:CD1	1:L:72:MET:HG2	2.34	0.57
1:L:184:LYS:HD2	1:L:191:THR:HG23	1.87	0.57
1:L:330:SER:HA	1:L:333:ASP:OD1	2.04	0.57
1:L:390:TRP:CE2	1:L:402:VAL:HG13	2.39	0.57
1:L:557:LYS:H	1:L:597:UNK:CB	2.18	0.57
1:M:35:MET:CG	1:M:40:LEU:CB	2.81	0.57
1:M:152:VAL:HG21	1:M:410:LEU:CD1	2.35	0.57
1:N:46:ASP:HA	1:N:49:ILE:HD12	1.85	0.57
1:N:65:LEU:CD1	1:N:72:MET:HG2	2.34	0.57
1:N:514:ILE:HD11	1:N:516:ASN:HD21	1.68	0.57
1:O:1:MET:HB3	1:O:5:THR:CG2	2.34	0.57
1:O:110:ARG:HG3	1:O:114:TYR:CE2	2.39	0.57
1:O:330:SER:HA	1:O:333:ASP:OD1	2.04	0.57
1:O:390:TRP:CE2	1:O:402:VAL:HG13	2.39	0.57
1:P:20:GLU:HG2	1:P:27:PHE:CE2	2.39	0.57
1:P:169:LYS:HG3	1:P:170:VAL:N	2.19	0.57
1:P:330:SER:HA	1:P:333:ASP:OD1	2.04	0.57
1:A:15:ILE:HD13	1:A:15:ILE:C	2.25	0.57
1:A:35:MET:CG	1:A:40:LEU:CB	2.81	0.57
1:A:183:LEU:HD13	1:A:195:MET:HG3	1.86	0.57
1:B:19:PHE:CE2	1:J:87:PHE:CD1	2.88	0.57
1:B:106:TYR:CZ	1:B:169:LYS:HD2	2.39	0.57
1:B:184:LYS:HD2	1:B:191:THR:HG23	1.87	0.57
1:B:278:ALA:H	1:C:119:VAL:HG22	1.57	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:390:TRP:CE2	1:B:402:VAL:HG13	2.39	0.57
1:C:1:MET:HB3	1:C:5:THR:CG2	2.34	0.57
1:C:184:LYS:HD2	1:C:191:THR:HG23	1.87	0.57
1:C:542:ILE:HD12	1:C:543:LEU:N	2.19	0.57
1:D:1:MET:HB3	1:D:5:THR:CG2	2.34	0.57
1:D:77:VAL:HG23	1:D:92:ILE:HG21	1.87	0.57
1:D:113:LEU:HD22	1:D:162:LEU:O	2.05	0.57
1:D:253:TRP:HZ2	1:D:266:THR:HG1	1.53	0.57
1:E:65:LEU:CD1	1:E:72:MET:HG2	2.34	0.57
1:E:219:LEU:HD22	1:E:219:LEU:N	2.19	0.57
1:E:241:LEU:HD13	1:E:261:LYS:CE	2.34	0.57
1:E:578:HIS:HA	1:E:581:VAL:CG1	2.35	0.57
1:F:19:PHE:CG	1:F:88:LEU:HD21	2.38	0.57
1:F:106:TYR:CZ	1:F:169:LYS:HD2	2.39	0.57
1:F:121:ALA:CA	3:F:1402:DTP:H2	2.35	0.57
1:F:131:TYR:HD2	1:F:132:LEU:CD2	2.15	0.57
1:F:169:LYS:HG3	1:F:170:VAL:N	2.19	0.57
1:F:330:SER:HA	1:F:333:ASP:OD1	2.04	0.57
1:F:557:LYS:H	1:F:597:UNK:CB	2.18	0.57
1:F:562:LEU:CD1	1:F:580:GLN:HG3	2.33	0.57
1:G:110:ARG:HG3	1:G:114:TYR:CE2	2.39	0.57
1:G:486:LEU:HA	1:G:488:ARG:NH1	2.19	0.57
1:H:11:GLN:NE2	1:H:103:THR:HA	2.19	0.57
1:H:15:ILE:C	1:H:15:ILE:HD13	2.25	0.57
1:H:40:LEU:HD22	1:H:48:ILE:HD11	1.69	0.57
1:H:65:LEU:CD1	1:H:72:MET:HG2	2.34	0.57
1:H:169:LYS:HG3	1:H:170:VAL:N	2.19	0.57
1:H:557:LYS:CG	1:H:596:UNK:HA	2.33	0.57
1:I:114:TYR:HB3	1:J:279:THR:HA	1.86	0.57
1:J:19:PHE:CG	1:J:88:LEU:HD21	2.38	0.57
1:J:77:VAL:HG23	1:J:92:ILE:HG21	1.87	0.57
1:J:119:VAL:HG22	1:K:278:ALA:H	1.57	0.57
1:J:253:TRP:HZ2	1:J:266:THR:HG1	1.53	0.57
1:J:327:ILE:O	1:J:331:ILE:HD13	2.04	0.57
1:K:141:LEU:CD1	1:K:145:LYS:HB3	2.28	0.57
1:K:184:LYS:HD2	1:K:191:THR:HG23	1.87	0.57
1:K:353:ILE:HB	1:K:426:TYR:OH	2.04	0.57
1:K:390:TRP:CE2	1:K:402:VAL:HG13	2.39	0.57
1:K:542:ILE:HD12	1:K:543:LEU:N	2.19	0.57
1:L:449:ILE:HG23	1:L:450:PRO:HD2	1.87	0.57
1:M:169:LYS:HG3	1:M:170:VAL:N	2.19	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:183:LEU:HD13	1:M:195:MET:HG3	1.86	0.57
1:N:35:MET:CG	1:N:40:LEU:HD22	2.32	0.57
1:N:484:MET:HG2	1:N:490:VAL:HG21	1.85	0.57
1:N:578:HIS:HA	1:N:581:VAL:CG1	2.35	0.57
1:O:183:LEU:HD13	1:O:195:MET:HG3	1.86	0.57
1:O:353:ILE:HB	1:O:426:TYR:OH	2.04	0.57
1:P:390:TRP:CE2	1:P:402:VAL:HG13	2.39	0.57
1:P:557:LYS:H	1:P:597:UNK:CB	2.18	0.57
1:A:35:MET:CG	1:A:40:LEU:HD22	2.32	0.57
1:A:110:ARG:HG3	1:A:114:TYR:CE2	2.39	0.57
1:A:113:LEU:HD22	1:A:162:LEU:O	2.05	0.57
1:A:390:TRP:CZ2	1:A:402:VAL:HG12	2.40	0.57
1:B:35:MET:CG	1:B:40:LEU:HD22	2.32	0.57
1:B:65:LEU:CD1	1:B:72:MET:HG2	2.34	0.57
1:B:169:LYS:HG3	1:B:170:VAL:N	2.19	0.57
1:C:195:MET:HA	1:C:198:LYS:CE	2.35	0.57
1:C:278:ALA:H	1:D:119:VAL:HG22	1.57	0.57
1:C:353:ILE:HB	1:C:426:TYR:OH	2.04	0.57
1:D:45:ILE:O	1:D:49:ILE:HG13	2.04	0.57
1:D:279:THR:HA	1:E:114:TYR:HB3	1.86	0.57
1:D:384:ILE:HG23	1:D:385:LEU:N	2.18	0.57
1:D:425:ILE:HG23	1:D:426:TYR:N	2.18	0.57
1:D:469:SER:HA	1:D:523:PHE:CZ	2.40	0.57
1:F:77:VAL:HG23	1:F:92:ILE:HG21	1.87	0.57
1:F:152:VAL:HG21	1:F:410:LEU:CD1	2.35	0.57
1:F:411:VAL:HG23	1:F:412:GLU:N	2.16	0.57
1:F:486:LEU:HA	1:F:488:ARG:NH1	2.19	0.57
1:G:11:GLN:NE2	1:G:103:THR:HA	2.19	0.57
1:G:330:SER:HA	1:G:333:ASP:OD1	2.04	0.57
1:G:390:TRP:CE2	1:G:402:VAL:HG13	2.39	0.57
1:H:40:LEU:HD22	1:H:48:ILE:HD13	1.84	0.57
1:H:77:VAL:HG23	1:H:92:ILE:HG21	1.87	0.57
1:H:390:TRP:CZ2	1:H:402:VAL:HG12	2.40	0.57
1:I:557:LYS:H	1:I:597:UNK:CB	2.18	0.57
1:J:20:GLU:HG2	1:J:27:PHE:CE2	2.39	0.57
1:J:113:LEU:HD22	1:J:162:LEU:O	2.05	0.57
1:J:425:ILE:HG23	1:J:426:TYR:N	2.18	0.57
1:K:1:MET:HB3	1:K:5:THR:CG2	2.34	0.57
1:K:179:PHE:CB	1:K:242:LEU:HD22	2.18	0.57
1:K:195:MET:HA	1:K:198:LYS:CE	2.35	0.57
1:K:241:LEU:HD12	1:K:261:LYS:HE2	1.86	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:169:LYS:HG3	1:L:170:VAL:N	2.19	0.57
1:L:515:LEU:HD13	1:L:519:GLN:CB	2.33	0.57
1:M:15:ILE:HD13	1:M:15:ILE:C	2.25	0.57
1:M:35:MET:CG	1:M:40:LEU:HD22	2.32	0.57
1:M:40:LEU:HG	1:M:44:GLU:HB3	1.85	0.57
1:M:55:VAL:HG11	1:M:132:LEU:CD1	2.35	0.57
1:M:106:TYR:CZ	1:M:169:LYS:HB2	2.40	0.57
1:M:113:LEU:HD22	1:M:162:LEU:O	2.05	0.57
1:M:390:TRP:CZ2	1:M:402:VAL:HG12	2.40	0.57
1:N:65:LEU:CD1	1:N:72:MET:HE2	2.33	0.57
1:N:106:TYR:CZ	1:N:169:LYS:HB2	2.40	0.57
1:N:106:TYR:CZ	1:N:169:LYS:HD2	2.39	0.57
1:O:11:GLN:NE2	1:O:103:THR:HA	2.19	0.57
1:O:20:GLU:HG2	1:O:27:PHE:CE2	2.39	0.57
1:O:32:VAL:HG12	1:O:45:ILE:HD13	1.86	0.57
1:O:131:TYR:HD2	1:O:132:LEU:CD2	2.15	0.57
1:O:384:ILE:HG23	1:O:385:LEU:N	2.19	0.57
1:O:486:LEU:HA	1:O:488:ARG:NH1	2.19	0.57
1:O:558:TYR:CE2	1:O:562:LEU:HD21	2.38	0.57
1:P:121:ALA:CA	3:P:1402:DTP:H2	2.35	0.57
1:P:152:VAL:HG21	1:P:410:LEU:CD1	2.35	0.57
1:A:24:VAL:HG13	1:A:25:ASP:N	2.20	0.57
1:A:46:ASP:HA	1:A:49:ILE:HD12	1.85	0.57
1:A:55:VAL:HG11	1:A:132:LEU:CD1	2.35	0.57
1:A:106:TYR:CZ	1:A:169:LYS:HB2	2.40	0.57
1:A:517:THR:HG21	1:A:546:LEU:HD21	1.85	0.57
1:B:196:LEU:HD23	1:B:199:LEU:HB2	1.87	0.57
1:B:390:TRP:CZ2	1:B:402:VAL:HG12	2.40	0.57
1:B:449:ILE:HG23	1:B:450:PRO:HD2	1.87	0.57
1:C:241:LEU:HD12	1:C:261:LYS:HE2	1.86	0.57
1:C:390:TRP:CE2	1:C:402:VAL:HG13	2.39	0.57
1:D:557:LYS:H	1:D:597:UNK:CB	2.18	0.57
1:E:557:LYS:H	1:E:597:UNK:CB	2.18	0.57
1:F:450:PRO:HG2	1:F:471:ILE:HD13	1.87	0.57
1:F:578:HIS:HA	1:F:581:VAL:CG1	2.35	0.57
1:G:1:MET:HB3	1:G:5:THR:CB	2.35	0.57
1:G:20:GLU:HG2	1:G:27:PHE:CE2	2.39	0.57
1:G:121:ALA:HB1	3:G:1402:DTP:N1	2.20	0.57
1:G:449:ILE:HG23	1:G:450:PRO:HD2	1.87	0.57
1:G:542:ILE:HD12	1:G:543:LEU:N	2.19	0.57
1:G:558:TYR:CE2	1:G:562:LEU:HD21	2.38	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:602:UNK:CB	1:G:1000:UNK:HA	2.34	0.57
1:H:65:LEU:CD1	1:H:72:MET:HE2	2.33	0.57
1:H:106:TYR:CZ	1:H:169:LYS:HB2	2.40	0.57
1:I:121:ALA:CA	3:I:1402:DTP:H2	2.35	0.57
1:I:219:LEU:HD22	1:I:219:LEU:N	2.19	0.57
1:J:45:ILE:O	1:J:49:ILE:HG13	2.04	0.57
1:J:469:SER:HA	1:J:523:PHE:CZ	2.40	0.57
1:K:119:VAL:HG22	1:L:278:ALA:H	1.57	0.57
1:K:314:ARG:HG3	1:K:341:TRP:CH2	2.39	0.57
1:L:196:LEU:HD23	1:L:199:LEU:HB2	1.87	0.57
1:L:390:TRP:CZ2	1:L:402:VAL:HG12	2.40	0.57
1:M:46:ASP:HA	1:M:49:ILE:HD12	1.85	0.57
1:M:411:VAL:HG23	1:M:412:GLU:N	2.16	0.57
1:M:469:SER:HA	1:M:523:PHE:CZ	2.40	0.57
1:N:11:GLN:NE2	1:N:103:THR:HA	2.19	0.57
1:N:77:VAL:HG23	1:N:92:ILE:HG21	1.87	0.57
1:N:390:TRP:CZ2	1:N:402:VAL:HG12	2.40	0.57
1:O:602:UNK:CB	1:O:1000:UNK:HA	2.34	0.57
1:P:19:PHE:CG	1:P:88:LEU:HD21	2.38	0.57
1:P:77:VAL:HG23	1:P:92:ILE:HG21	1.87	0.57
1:P:450:PRO:HG2	1:P:471:ILE:HD13	1.87	0.57
1:P:562:LEU:CD1	1:P:580:GLN:HG3	2.33	0.57
1:P:578:HIS:HA	1:P:581:VAL:CG1	2.35	0.57
1:A:469:SER:HA	1:A:523:PHE:CZ	2.40	0.56
1:A:488:ARG:HB3	1:A:491:PHE:O	2.04	0.56
1:A:515:LEU:HD13	1:A:519:GLN:CB	2.33	0.56
1:B:301:LEU:O	1:B:304:TYR:HB2	2.05	0.56
1:C:475:LEU:HD11	1:C:486:LEU:HG	1.87	0.56
1:C:479:GLU:HB3	1:C:481:PRO:CD	2.24	0.56
1:D:20:GLU:HG2	1:D:27:PHE:CE2	2.39	0.56
1:D:87:PHE:CD1	1:L:19:PHE:CE2	2.88	0.56
1:D:390:TRP:CE2	1:D:402:VAL:HG13	2.39	0.56
1:D:487:PHE:O	1:D:488:ARG:HB2	2.05	0.56
1:E:113:LEU:HD22	1:E:162:LEU:O	2.05	0.56
1:E:121:ALA:CA	3:E:1402:DTP:H2	2.35	0.56
1:E:279:THR:HA	1:F:114:TYR:HB3	1.86	0.56
1:E:450:PRO:HG2	1:E:471:ILE:HD13	1.87	0.56
1:F:301:LEU:O	1:F:304:TYR:HB2	2.05	0.56
1:G:131:TYR:HD2	1:G:132:LEU:CD2	2.15	0.56
1:G:301:LEU:O	1:G:304:TYR:HB2	2.06	0.56
1:G:384:ILE:HG23	1:G:385:LEU:N	2.19	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:106:TYR:CZ	1:H:169:LYS:HD2	2.39	0.56
1:H:484:MET:HG2	1:H:490:VAL:HG21	1.85	0.56
1:I:241:LEU:HD12	1:I:261:LYS:HE2	1.86	0.56
1:I:279:THR:HA	1:P:114:TYR:HB3	1.86	0.56
1:J:32:VAL:HG12	1:J:45:ILE:HD13	1.85	0.56
1:J:384:ILE:HG23	1:J:385:LEU:N	2.18	0.56
1:J:487:PHE:O	1:J:488:ARG:HB2	2.05	0.56
1:J:557:LYS:H	1:J:597:UNK:CB	2.18	0.56
1:K:121:ALA:HB1	3:K:1402:DTP:N1	2.20	0.56
1:K:475:LEU:HD11	1:K:486:LEU:HG	1.87	0.56
1:L:15:ILE:CD1	1:L:88:LEU:HD12	2.34	0.56
1:L:35:MET:CG	1:L:40:LEU:HD22	2.32	0.56
1:L:301:LEU:O	1:L:304:TYR:HB2	2.05	0.56
1:M:24:VAL:HG13	1:M:25:ASP:N	2.20	0.56
1:M:110:ARG:HG3	1:M:114:TYR:CE2	2.39	0.56
1:M:387:SER:HB3	1:M:391:PHE:HE2	1.67	0.56
1:M:515:LEU:HD13	1:M:519:GLN:CB	2.33	0.56
1:M:517:THR:HG21	1:M:546:LEU:HD21	1.85	0.56
1:N:411:VAL:HG23	1:N:412:GLU:N	2.16	0.56
1:N:517:THR:HG21	1:N:546:LEU:HD21	1.85	0.56
1:O:1:MET:HB3	1:O:5:THR:CB	2.35	0.56
1:O:121:ALA:HB1	3:O:1402:DTP:N1	2.20	0.56
1:O:301:LEU:O	1:O:304:TYR:HB2	2.06	0.56
1:O:314:ARG:HG3	1:O:341:TRP:CH2	2.39	0.56
1:O:449:ILE:HG23	1:O:450:PRO:HD2	1.87	0.56
1:P:301:LEU:O	1:P:304:TYR:HB2	2.05	0.56
1:P:314:ARG:HG3	1:P:341:TRP:CH2	2.39	0.56
1:P:486:LEU:HA	1:P:488:ARG:NH1	2.19	0.56
1:P:514:ILE:HD11	1:P:516:ASN:HD21	1.68	0.56
1:A:557:LYS:H	1:A:597:UNK:CB	2.18	0.56
1:B:15:ILE:CD1	1:B:88:LEU:HD12	2.34	0.56
1:B:77:VAL:HG23	1:B:92:ILE:HG21	1.87	0.56
1:B:131:TYR:HD2	1:B:132:LEU:CD2	2.15	0.56
1:B:183:LEU:HD13	1:B:195:MET:HG3	1.85	0.56
1:B:469:SER:HA	1:B:523:PHE:CZ	2.40	0.56
1:C:24:VAL:HG13	1:C:25:ASP:N	2.20	0.56
1:C:121:ALA:HB1	3:C:1402:DTP:N1	2.20	0.56
1:C:129:GLN:CB	1:C:130:PRO:HD3	2.33	0.56
1:C:157:LYS:HG2	1:C:287:HIS:CD2	2.41	0.56
1:C:179:PHE:CB	1:C:242:LEU:HD22	2.18	0.56
1:C:314:ARG:HG3	1:C:341:TRP:CH2	2.39	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:65:LEU:CD1	1:D:72:MET:HG2	2.34	0.56
1:D:475:LEU:HD11	1:D:486:LEU:HG	1.88	0.56
1:D:492:LEU:HD12	1:D:577:ALA:CB	2.28	0.56
1:E:24:VAL:HG13	1:E:25:ASP:N	2.20	0.56
1:F:314:ARG:HG3	1:F:341:TRP:CH2	2.39	0.56
1:F:469:SER:HA	1:F:523:PHE:CZ	2.40	0.56
1:F:514:ILE:HD11	1:F:516:ASN:HD21	1.68	0.56
1:G:32:VAL:HG12	1:G:45:ILE:HD13	1.86	0.56
1:G:35:MET:CG	1:G:40:LEU:HD22	2.32	0.56
1:G:113:LEU:HD22	1:G:162:LEU:O	2.05	0.56
1:G:241:LEU:O	1:G:242:LEU:HD23	2.06	0.56
1:G:314:ARG:HG3	1:G:341:TRP:CH2	2.39	0.56
1:G:390:TRP:CZ2	1:G:402:VAL:HG12	2.40	0.56
1:H:517:THR:HG21	1:H:546:LEU:HD21	1.85	0.56
1:I:15:ILE:CD1	1:I:88:LEU:HD12	2.34	0.56
1:I:24:VAL:HG13	1:I:25:ASP:N	2.20	0.56
1:I:113:LEU:HD22	1:I:162:LEU:O	2.05	0.56
1:I:450:PRO:HG2	1:I:471:ILE:HD13	1.87	0.56
1:J:241:LEU:O	1:J:242:LEU:HD23	2.06	0.56
1:J:390:TRP:CE2	1:J:402:VAL:HG13	2.39	0.56
1:J:475:LEU:HD11	1:J:486:LEU:HG	1.88	0.56
1:K:157:LYS:HG2	1:K:287:HIS:CD2	2.41	0.56
1:L:77:VAL:HG23	1:L:92:ILE:HG21	1.87	0.56
1:L:344:VAL:HG22	1:L:344:VAL:O	2.05	0.56
1:N:40:LEU:HD22	1:N:48:ILE:HD13	1.84	0.56
1:N:476:LYS:HB2	1:N:527:TYR:HD1	1.68	0.56
1:O:45:ILE:O	1:O:49:ILE:HG13	2.04	0.56
1:O:390:TRP:CZ2	1:O:402:VAL:HG12	2.40	0.56
1:O:542:ILE:HD12	1:O:543:LEU:N	2.19	0.56
1:O:578:HIS:HA	1:O:581:VAL:CG1	2.35	0.56
1:P:181:LEU:HD12	1:P:199:LEU:CD2	2.35	0.56
1:P:241:LEU:HD13	1:P:261:LYS:CE	2.34	0.56
1:A:77:VAL:HG23	1:A:92:ILE:HG21	1.87	0.56
1:A:121:ALA:CA	3:A:1402:DTP:H2	2.35	0.56
1:A:184:LYS:HD2	1:A:191:THR:HG23	1.87	0.56
1:A:411:VAL:HG23	1:A:412:GLU:N	2.16	0.56
1:A:425:ILE:HG23	1:A:426:TYR:N	2.18	0.56
1:A:542:ILE:HD12	1:A:543:LEU:N	2.19	0.56
1:B:344:VAL:HG22	1:B:344:VAL:O	2.05	0.56
1:B:564:ILE:O	1:B:567:MET:HG2	2.04	0.56
1:C:1:MET:HB3	1:C:5:THR:CB	2.35	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:40:LEU:HD11	1:C:64:THR:HG21	0.56	0.56
1:C:344:VAL:HG22	1:C:344:VAL:O	2.05	0.56
1:C:469:SER:HA	1:C:523:PHE:CZ	2.40	0.56
1:C:475:LEU:CA	1:C:478:ILE:HG12	2.34	0.56
1:D:15:ILE:CD1	1:D:88:LEU:HD12	2.34	0.56
1:D:18:VAL:HG23	1:D:19:PHE:N	2.21	0.56
1:D:32:VAL:HG12	1:D:45:ILE:HD13	1.85	0.56
1:D:106:TYR:CZ	1:D:169:LYS:HB2	2.40	0.56
1:D:121:ALA:CA	3:D:1402:DTP:H2	2.35	0.56
1:D:173:LYS:HD3	1:D:173:LYS:C	2.26	0.56
1:D:181:LEU:HD12	1:D:199:LEU:CD2	2.35	0.56
1:D:241:LEU:O	1:D:242:LEU:HD23	2.06	0.56
1:E:15:ILE:CD1	1:E:88:LEU:HD12	2.34	0.56
1:E:32:VAL:O	1:E:36:PRO:HD2	2.03	0.56
1:E:181:LEU:HD12	1:E:199:LEU:CD2	2.36	0.56
1:E:241:LEU:HD12	1:E:261:LYS:HE2	1.86	0.56
1:E:241:LEU:O	1:E:242:LEU:HD23	2.06	0.56
1:E:314:ARG:HG3	1:E:341:TRP:CH2	2.39	0.56
1:F:23:PHE:CE2	1:F:85:TYR:CE1	2.94	0.56
1:F:181:LEU:HD12	1:F:199:LEU:CD2	2.35	0.56
1:F:195:MET:HA	1:F:198:LYS:CE	2.35	0.56
1:F:241:LEU:HD13	1:F:261:LYS:CE	2.34	0.56
1:F:241:LEU:O	1:F:242:LEU:HD23	2.06	0.56
1:G:24:VAL:HG13	1:G:25:ASP:N	2.20	0.56
1:G:45:ILE:O	1:G:49:ILE:HG13	2.04	0.56
1:G:152:VAL:HG21	1:G:410:LEU:CD1	2.35	0.56
1:G:327:ILE:CG2	1:G:331:ILE:HD13	2.33	0.56
1:G:469:SER:HA	1:G:523:PHE:CZ	2.40	0.56
1:G:475:LEU:CA	1:G:478:ILE:HG12	2.34	0.56
1:G:517:THR:HG21	1:G:546:LEU:HD21	1.85	0.56
1:G:578:HIS:HA	1:G:581:VAL:CG1	2.35	0.56
1:H:330:SER:HA	1:H:333:ASP:OD1	2.04	0.56
1:H:411:VAL:HG23	1:H:412:GLU:N	2.16	0.56
1:H:469:SER:HA	1:H:523:PHE:CZ	2.40	0.56
1:H:476:LYS:HB2	1:H:527:TYR:HD1	1.68	0.56
1:H:557:LYS:H	1:H:597:UNK:CB	2.18	0.56
1:I:33:GLN:O	1:I:36:PRO:CD	2.54	0.56
1:I:114:TYR:CD1	1:J:280:THR:CB	2.83	0.56
1:I:179:PHE:CB	1:I:242:LEU:HD22	2.18	0.56
1:I:181:LEU:HD12	1:I:199:LEU:CD2	2.36	0.56
1:I:241:LEU:O	1:I:242:LEU:HD23	2.06	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:280:THR:CB	1:P:114:TYR:CD1	2.83	0.56
1:I:314:ARG:HG3	1:I:341:TRP:CH2	2.39	0.56
1:I:469:SER:HA	1:I:523:PHE:CZ	2.40	0.56
1:J:15:ILE:CD1	1:J:88:LEU:HD12	2.34	0.56
1:J:18:VAL:HG23	1:J:19:PHE:N	2.21	0.56
1:J:65:LEU:CD1	1:J:72:MET:HG2	2.34	0.56
1:J:114:TYR:HB3	1:K:279:THR:HA	1.86	0.56
1:J:121:ALA:CA	3:J:1402:DTP:H2	2.35	0.56
1:J:173:LYS:HD3	1:J:173:LYS:C	2.26	0.56
1:J:181:LEU:HD12	1:J:199:LEU:CD2	2.35	0.56
1:J:492:LEU:HD12	1:J:577:ALA:CB	2.28	0.56
1:J:602:UNK:CB	1:J:1000:UNK:HA	2.34	0.56
1:K:1:MET:HB3	1:K:5:THR:CB	2.35	0.56
1:K:24:VAL:HG13	1:K:25:ASP:N	2.20	0.56
1:K:40:LEU:HD11	1:K:64:THR:HG21	0.56	0.56
1:K:129:GLN:CB	1:K:130:PRO:HD3	2.33	0.56
1:K:241:LEU:O	1:K:242:LEU:HD23	2.06	0.56
1:K:344:VAL:HG22	1:K:344:VAL:O	2.05	0.56
1:K:469:SER:HA	1:K:523:PHE:CZ	2.40	0.56
1:K:475:LEU:CA	1:K:478:ILE:HG12	2.34	0.56
1:K:479:GLU:HB3	1:K:481:PRO:CD	2.24	0.56
1:L:183:LEU:HD13	1:L:195:MET:HG3	1.85	0.56
1:L:469:SER:HA	1:L:523:PHE:CZ	2.40	0.56
1:M:77:VAL:HG23	1:M:92:ILE:HG21	1.87	0.56
1:M:121:ALA:CA	3:M:1402:DTP:H2	2.35	0.56
1:M:184:LYS:HD2	1:M:191:THR:HG23	1.87	0.56
1:M:425:ILE:HG23	1:M:426:TYR:N	2.18	0.56
1:M:488:ARG:HB3	1:M:491:PHE:O	2.04	0.56
1:M:557:LYS:H	1:M:597:UNK:CB	2.18	0.56
1:N:121:ALA:CA	3:N:1402:DTP:H2	2.35	0.56
1:N:330:SER:HA	1:N:333:ASP:OD1	2.04	0.56
1:N:469:SER:HA	1:N:523:PHE:CZ	2.40	0.56
1:N:557:LYS:H	1:N:597:UNK:CB	2.18	0.56
1:O:24:VAL:HG13	1:O:25:ASP:N	2.20	0.56
1:O:113:LEU:HD22	1:O:162:LEU:O	2.05	0.56
1:O:152:VAL:HG21	1:O:410:LEU:CD1	2.35	0.56
1:O:241:LEU:HD13	1:O:261:LYS:CE	2.34	0.56
1:O:241:LEU:O	1:O:242:LEU:HD23	2.06	0.56
1:O:327:ILE:CG2	1:O:331:ILE:HD13	2.33	0.56
1:O:469:SER:HA	1:O:523:PHE:CZ	2.40	0.56
1:O:475:LEU:CA	1:O:478:ILE:HG12	2.34	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:23:PHE:CE2	1:P:85:TYR:CE1	2.94	0.56
1:P:195:MET:HA	1:P:198:LYS:CE	2.35	0.56
1:P:241:LEU:O	1:P:242:LEU:HD23	2.06	0.56
1:P:469:SER:HA	1:P:523:PHE:CZ	2.40	0.56
1:P:475:LEU:CA	1:P:478:ILE:HG12	2.34	0.56
1:A:33:GLN:O	1:A:36:PRO:CD	2.54	0.56
1:A:279:THR:HA	1:B:114:TYR:HB3	1.86	0.56
1:A:602:UNK:CB	1:A:1000:UNK:HA	2.34	0.56
1:B:33:GLN:O	1:B:36:PRO:CD	2.54	0.56
1:B:40:LEU:HD11	1:B:64:THR:HG21	0.56	0.56
1:C:152:VAL:HG21	1:C:410:LEU:CD1	2.35	0.56
1:C:241:LEU:O	1:C:242:LEU:HD23	2.06	0.56
1:C:279:THR:HA	1:D:114:TYR:HB3	1.86	0.56
1:C:487:PHE:O	1:C:488:ARG:HB2	2.05	0.56
1:D:195:MET:HA	1:D:198:LYS:CE	2.35	0.56
1:D:280:THR:CB	1:E:114:TYR:CD1	2.83	0.56
1:D:301:LEU:O	1:D:304:TYR:HB2	2.05	0.56
1:D:602:UNK:CB	1:D:1000:UNK:HA	2.34	0.56
1:E:33:GLN:O	1:E:36:PRO:CD	2.54	0.56
1:E:157:LYS:HG2	1:E:287:HIS:CD2	2.41	0.56
1:E:330:SER:HA	1:E:333:ASP:OD1	2.04	0.56
1:E:369:PHE:CE1	1:E:372:LEU:HD13	2.41	0.56
1:E:469:SER:HA	1:E:523:PHE:CZ	2.40	0.56
1:F:475:LEU:CA	1:F:478:ILE:HG12	2.34	0.56
1:G:106:TYR:CZ	1:G:169:LYS:HB2	2.40	0.56
1:G:327:ILE:O	1:G:331:ILE:HD13	2.04	0.56
1:H:121:ALA:CA	3:H:1402:DTP:H2	2.35	0.56
1:H:381:ILE:CG2	1:H:466:TYR:CD2	2.89	0.56
1:I:32:VAL:O	1:I:36:PRO:HD2	2.03	0.56
1:I:157:LYS:HG2	1:I:287:HIS:CD2	2.41	0.56
1:I:330:SER:HA	1:I:333:ASP:OD1	2.04	0.56
1:I:369:PHE:CE1	1:I:372:LEU:HD13	2.41	0.56
1:J:106:TYR:CZ	1:J:169:LYS:HB2	2.40	0.56
1:J:157:LYS:HG2	1:J:287:HIS:CD2	2.41	0.56
1:J:301:LEU:O	1:J:304:TYR:HB2	2.05	0.56
1:K:152:VAL:HG21	1:K:410:LEU:CD1	2.35	0.56
1:K:330:SER:HA	1:K:333:ASP:OD1	2.04	0.56
1:L:33:GLN:O	1:L:36:PRO:CD	2.54	0.56
1:L:40:LEU:HD11	1:L:64:THR:HG21	0.56	0.56
1:L:517:THR:HG21	1:L:546:LEU:HD21	1.85	0.56
1:M:344:VAL:HG22	1:M:344:VAL:O	2.05	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:487:PHE:O	1:M:488:ARG:HB2	2.05	0.56
1:M:602:UNK:CB	1:M:1000:UNK:HA	2.34	0.56
1:N:241:LEU:HD13	1:N:261:LYS:CE	2.34	0.56
1:N:381:ILE:CG2	1:N:466:TYR:CD2	2.89	0.56
1:O:35:MET:CG	1:O:40:LEU:HD22	2.32	0.56
1:O:181:LEU:HD12	1:O:199:LEU:CD2	2.35	0.56
1:O:327:ILE:O	1:O:331:ILE:HD13	2.04	0.56
1:A:195:MET:HA	1:A:198:LYS:CE	2.35	0.56
1:A:301:LEU:O	1:A:304:TYR:HB2	2.06	0.56
1:A:387:SER:HB3	1:A:391:PHE:HE2	1.67	0.56
1:B:121:ALA:CA	3:B:1402:DTP:H2	2.35	0.56
1:B:150:ASP:CA	1:B:287:HIS:HB3	2.36	0.56
1:B:369:PHE:CE1	1:B:372:LEU:HD13	2.41	0.56
1:B:517:THR:HG21	1:B:546:LEU:HD21	1.85	0.56
1:C:32:VAL:O	1:C:36:PRO:HD2	2.03	0.56
1:C:390:TRP:CZ2	1:C:402:VAL:HG12	2.40	0.56
1:C:492:LEU:HD12	1:C:577:ALA:CB	2.28	0.56
1:D:55:VAL:HG11	1:D:132:LEU:CD1	2.35	0.56
1:D:121:ALA:HB1	3:D:1402:DTP:N1	2.20	0.56
1:D:157:LYS:HG2	1:D:287:HIS:CD2	2.41	0.56
1:D:196:LEU:HD23	1:D:199:LEU:HB2	1.87	0.56
1:D:353:ILE:HB	1:D:426:TYR:OH	2.04	0.56
1:D:381:ILE:CB	1:D:466:TYR:CD2	2.89	0.56
1:E:40:LEU:HD11	1:E:64:THR:HG21	0.56	0.56
1:E:280:THR:CB	1:F:114:TYR:CD1	2.83	0.56
1:E:301:LEU:O	1:E:304:TYR:HB2	2.06	0.56
1:F:1:MET:HB3	1:F:5:THR:CB	2.35	0.56
1:F:369:PHE:CE1	1:F:372:LEU:HD13	2.41	0.56
1:F:449:ILE:HG23	1:F:450:PRO:HD2	1.87	0.56
1:G:241:LEU:HD13	1:G:261:LYS:CE	2.34	0.56
1:G:279:THR:HA	1:H:114:TYR:HB3	1.86	0.56
1:H:123:TYR:HD1	1:H:304:TYR:CA	2.10	0.56
1:H:150:ASP:CA	1:H:287:HIS:HB3	2.36	0.56
1:I:23:PHE:CE2	1:I:85:TYR:CE1	2.94	0.56
1:I:40:LEU:HD11	1:I:64:THR:HG21	0.56	0.56
1:J:55:VAL:HG11	1:J:132:LEU:CD1	2.35	0.56
1:J:195:MET:HA	1:J:198:LYS:CE	2.35	0.56
1:J:196:LEU:HD23	1:J:199:LEU:HB2	1.87	0.56
1:K:150:ASP:O	1:K:287:HIS:HB3	2.06	0.56
1:K:390:TRP:CZ2	1:K:402:VAL:HG12	2.40	0.56
1:K:449:ILE:HG23	1:K:450:PRO:HD2	1.87	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:487:PHE:O	1:K:488:ARG:HB2	2.05	0.56
1:L:114:TYR:HB3	1:M:279:THR:HA	1.86	0.56
1:L:119:VAL:HG22	1:M:278:ALA:H	1.57	0.56
1:L:121:ALA:CA	3:L:1402:DTP:H2	2.35	0.56
1:L:150:ASP:CA	1:L:287:HIS:HB3	2.36	0.56
1:L:327:ILE:O	1:L:331:ILE:HD13	2.04	0.56
1:L:369:PHE:CE1	1:L:372:LEU:HD13	2.41	0.56
1:L:564:ILE:O	1:L:567:MET:HG2	2.04	0.56
1:M:33:GLN:O	1:M:36:PRO:CD	2.54	0.56
1:M:301:LEU:O	1:M:304:TYR:HB2	2.06	0.56
1:M:330:SER:HA	1:M:333:ASP:OD1	2.04	0.56
1:M:542:ILE:HD12	1:M:543:LEU:N	2.19	0.56
1:N:114:TYR:HB3	1:O:279:THR:HA	1.86	0.56
1:N:123:TYR:HD1	1:N:304:TYR:CA	2.10	0.56
1:N:150:ASP:CA	1:N:287:HIS:HB3	2.36	0.56
1:O:106:TYR:CZ	1:O:169:LYS:HB2	2.40	0.56
1:O:381:ILE:CG2	1:O:466:TYR:CD2	2.89	0.56
1:P:18:VAL:HG23	1:P:19:PHE:N	2.21	0.56
1:P:369:PHE:CE1	1:P:372:LEU:HD13	2.41	0.56
1:A:278:ALA:H	1:B:119:VAL:HG22	1.57	0.56
1:A:330:SER:HA	1:A:333:ASP:OD1	2.04	0.56
1:A:344:VAL:HG22	1:A:344:VAL:O	2.05	0.56
1:A:487:PHE:O	1:A:488:ARG:HB2	2.05	0.56
1:B:113:LEU:HD22	1:B:162:LEU:O	2.05	0.56
1:B:475:LEU:HD11	1:B:486:LEU:HG	1.88	0.56
1:B:511:SER:CB	1:B:646:UNK:HA	2.36	0.56
1:C:23:PHE:CE2	1:C:85:TYR:CE1	2.94	0.56
1:C:150:ASP:O	1:C:287:HIS:HB3	2.06	0.56
1:C:330:SER:HA	1:C:333:ASP:OD1	2.04	0.56
1:D:24:VAL:HG13	1:D:25:ASP:N	2.20	0.56
1:D:344:VAL:HG22	1:D:344:VAL:O	2.05	0.56
1:E:23:PHE:CE2	1:E:27:PHE:CD2	2.94	0.56
1:E:23:PHE:CE2	1:E:85:TYR:CE1	2.94	0.56
1:E:381:ILE:CB	1:E:466:TYR:CD2	2.89	0.56
1:F:18:VAL:HG23	1:F:19:PHE:N	2.21	0.56
1:F:23:PHE:CE2	1:F:27:PHE:CD2	2.94	0.56
1:F:157:LYS:HG2	1:F:287:HIS:CD2	2.41	0.56
1:F:381:ILE:CB	1:F:466:TYR:CD2	2.89	0.56
1:G:23:PHE:CE2	1:G:85:TYR:CE1	2.94	0.56
1:G:77:VAL:HG23	1:G:92:ILE:HG21	1.87	0.56
1:G:173:LYS:HD3	1:G:173:LYS:C	2.26	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:181:LEU:HD12	1:G:199:LEU:CD2	2.36	0.56
1:G:277:ALA:HB1	1:H:120:PHE:N	2.12	0.56
1:G:344:VAL:HG22	1:G:344:VAL:O	2.05	0.56
1:G:381:ILE:CG2	1:G:466:TYR:CD2	2.89	0.56
1:H:40:LEU:HD11	1:H:64:THR:HG21	0.56	0.56
1:H:241:LEU:HD13	1:H:261:LYS:CE	2.34	0.56
1:H:487:PHE:O	1:H:488:ARG:HB2	2.05	0.56
1:I:23:PHE:CE2	1:I:27:PHE:CD2	2.94	0.56
1:I:301:LEU:O	1:I:304:TYR:HB2	2.06	0.56
1:I:381:ILE:CB	1:I:466:TYR:CD2	2.89	0.56
1:I:475:LEU:HD11	1:I:486:LEU:HG	1.87	0.56
1:I:487:PHE:O	1:I:488:ARG:HB2	2.05	0.56
1:J:121:ALA:HB1	3:J:1402:DTP:N1	2.20	0.56
1:J:314:ARG:HG3	1:J:341:TRP:CH2	2.39	0.56
1:J:353:ILE:HB	1:J:426:TYR:OH	2.04	0.56
1:J:381:ILE:CB	1:J:466:TYR:CD2	2.89	0.56
1:J:411:VAL:HG23	1:J:412:GLU:N	2.16	0.56
1:K:3:PHE:HE1	1:L:281:THR:HG21	1.65	0.56
1:K:169:LYS:HG3	1:K:170:VAL:N	2.19	0.56
1:L:113:LEU:HD22	1:L:162:LEU:O	2.05	0.56
1:L:150:ASP:O	1:L:287:HIS:HB3	2.06	0.56
1:L:511:SER:CB	1:L:646:UNK:HA	2.36	0.56
1:M:195:MET:HA	1:M:198:LYS:CE	2.35	0.56
1:M:353:ILE:HB	1:M:426:TYR:OH	2.04	0.56
1:M:479:GLU:CB	1:M:481:PRO:HD2	2.27	0.56
1:N:11:GLN:CG	1:N:106:TYR:HD2	2.14	0.56
1:N:40:LEU:HD11	1:N:64:THR:HG21	0.56	0.56
1:N:120:PHE:N	1:O:277:ALA:HB1	2.12	0.56
1:N:487:PHE:O	1:N:488:ARG:HB2	2.05	0.56
1:O:11:GLN:CG	1:O:106:TYR:HD2	2.14	0.56
1:O:23:PHE:CE2	1:O:85:TYR:CE1	2.94	0.56
1:O:77:VAL:HG23	1:O:92:ILE:HG21	1.87	0.56
1:O:173:LYS:HD3	1:O:173:LYS:C	2.26	0.56
1:O:344:VAL:HG22	1:O:344:VAL:O	2.05	0.56
1:O:479:GLU:CB	1:O:481:PRO:HD2	2.27	0.56
1:P:1:MET:HB3	1:P:5:THR:CB	2.35	0.56
1:P:23:PHE:CE2	1:P:27:PHE:CD2	2.94	0.56
1:P:381:ILE:CB	1:P:466:TYR:CD2	2.89	0.56
1:B:121:ALA:HB1	3:B:1402:DTP:N1	2.20	0.56
1:B:150:ASP:O	1:B:287:HIS:HB3	2.06	0.56
1:B:157:LYS:HG2	1:B:287:HIS:CD2	2.41	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:173:LYS:HD3	1:B:173:LYS:C	2.26	0.56
1:B:279:THR:HA	1:C:114:TYR:HB3	1.86	0.56
1:B:281:THR:HG21	1:C:3:PHE:HE1	1.65	0.56
1:B:327:ILE:O	1:B:331:ILE:HD13	2.04	0.56
1:C:449:ILE:HG23	1:C:450:PRO:HD2	1.87	0.56
1:D:1:MET:HB3	1:D:5:THR:CB	2.35	0.56
1:D:20:GLU:HB3	1:D:24:VAL:CA	2.36	0.56
1:D:33:GLN:O	1:D:36:PRO:CD	2.54	0.56
1:D:184:LYS:HD2	1:D:191:THR:HG23	1.87	0.56
1:D:314:ARG:HG3	1:D:341:TRP:CH2	2.39	0.56
1:E:475:LEU:HD11	1:E:486:LEU:HG	1.87	0.56
1:F:40:LEU:HD11	1:F:64:THR:HG21	0.56	0.56
1:G:11:GLN:CG	1:G:106:TYR:HD2	2.14	0.56
1:H:11:GLN:CG	1:H:106:TYR:HD2	2.14	0.56
1:H:20:GLU:HB3	1:H:24:VAL:CA	2.36	0.56
1:H:314:ARG:HG3	1:H:341:TRP:CH2	2.39	0.56
1:I:77:VAL:HG23	1:I:92:ILE:HG21	1.87	0.56
1:J:1:MET:HB3	1:J:5:THR:CB	2.35	0.56
1:J:20:GLU:HB3	1:J:24:VAL:CA	2.36	0.56
1:J:24:VAL:HG13	1:J:25:ASP:N	2.20	0.56
1:J:150:ASP:O	1:J:287:HIS:HB3	2.06	0.56
1:J:344:VAL:HG22	1:J:344:VAL:O	2.05	0.56
1:J:369:PHE:CE1	1:J:372:LEU:HD13	2.41	0.56
1:K:23:PHE:CE2	1:K:85:TYR:CE1	2.94	0.56
1:K:32:VAL:O	1:K:36:PRO:HD2	2.03	0.56
1:K:492:LEU:HD12	1:K:577:ALA:CB	2.28	0.56
1:L:114:TYR:CD1	1:M:280:THR:CB	2.83	0.56
1:L:173:LYS:HD3	1:L:173:LYS:C	2.26	0.56
1:L:475:LEU:HD11	1:L:486:LEU:HG	1.88	0.56
1:M:39:ILE:HD13	1:M:75:LYS:HB3	1.87	0.56
1:M:150:ASP:O	1:M:287:HIS:HB3	2.06	0.56
1:M:181:LEU:HD12	1:M:199:LEU:CD2	2.35	0.56
1:N:20:GLU:HB3	1:N:24:VAL:CA	2.36	0.56
1:N:344:VAL:HG22	1:N:344:VAL:O	2.05	0.56
1:P:157:LYS:HG2	1:P:287:HIS:CD2	2.41	0.56
1:P:449:ILE:HG23	1:P:450:PRO:HD2	1.87	0.56
1:A:3:PHE:HE1	1:H:281:THR:HG21	1.65	0.56
1:A:10:TYR:CD2	1:A:106:TYR:HB3	2.41	0.56
1:A:39:ILE:HD13	1:A:75:LYS:HB3	1.87	0.56
1:A:150:ASP:O	1:A:287:HIS:HB3	2.06	0.56
1:A:181:LEU:HD12	1:A:199:LEU:CD2	2.36	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:353:ILE:HB	1:A:426:TYR:OH	2.04	0.56
1:C:169:LYS:HG3	1:C:170:VAL:N	2.19	0.56
1:C:475:LEU:HD22	1:C:482:GLU:CB	2.36	0.56
1:D:150:ASP:O	1:D:287:HIS:HB3	2.06	0.56
1:D:369:PHE:CE1	1:D:372:LEU:HD13	2.41	0.56
1:E:1:MET:HB3	1:E:5:THR:CB	2.35	0.56
1:E:179:PHE:CB	1:E:242:LEU:HD22	2.18	0.56
1:E:487:PHE:O	1:E:488:ARG:HB2	2.05	0.56
1:F:20:GLU:HB3	1:F:24:VAL:CA	2.36	0.56
1:F:173:LYS:HD3	1:F:173:LYS:C	2.26	0.56
1:F:390:TRP:CZ2	1:F:402:VAL:HG12	2.40	0.56
1:G:135:ARG:HE	1:G:136:GLN:HG3	1.70	0.56
1:G:369:PHE:CE1	1:G:372:LEU:HD13	2.41	0.56
1:G:479:GLU:CB	1:G:481:PRO:HD2	2.27	0.56
1:G:557:LYS:H	1:G:597:UNK:CB	2.18	0.56
1:H:353:ILE:HB	1:H:426:TYR:OH	2.04	0.56
1:I:27:PHE:HA	1:I:30:LYS:HD3	1.88	0.56
1:I:121:ALA:HB1	3:I:1402:DTP:N1	2.20	0.56
1:J:11:GLN:CG	1:J:106:TYR:HD2	2.14	0.56
1:J:152:VAL:HG21	1:J:410:LEU:CD1	2.35	0.56
1:K:55:VAL:HG11	1:K:132:LEU:CD1	2.35	0.56
1:K:301:LEU:O	1:K:304:TYR:HB2	2.06	0.56
1:K:475:LEU:HD22	1:K:482:GLU:CB	2.36	0.56
1:L:157:LYS:HG2	1:L:287:HIS:CD2	2.41	0.56
1:L:181:LEU:HD12	1:L:199:LEU:CD2	2.35	0.56
1:L:195:MET:HA	1:L:198:LYS:CE	2.35	0.56
1:M:10:TYR:CD2	1:M:106:TYR:HB3	2.41	0.56
1:N:195:MET:HA	1:N:198:LYS:CE	2.35	0.56
1:N:314:ARG:HG3	1:N:341:TRP:CH2	2.39	0.56
1:O:120:PHE:N	1:P:277:ALA:HB1	2.12	0.56
1:O:135:ARG:HE	1:O:136:GLN:HG3	1.70	0.56
1:O:228:LEU:CD2	1:O:232:LEU:HD13	2.31	0.56
1:O:450:PRO:HG2	1:O:471:ILE:HD13	1.87	0.56
1:O:557:LYS:H	1:O:597:UNK:CB	2.18	0.56
1:P:20:GLU:HB3	1:P:24:VAL:CA	2.36	0.56
1:P:113:LEU:HD22	1:P:162:LEU:O	2.05	0.56
1:P:344:VAL:HG22	1:P:344:VAL:O	2.05	0.56
1:A:280:THR:CB	1:B:114:TYR:CD1	2.83	0.56
1:A:381:ILE:CG2	1:A:466:TYR:CD2	2.89	0.56
1:A:479:GLU:CB	1:A:481:PRO:HD2	2.27	0.56
1:B:135:ARG:HE	1:B:136:GLN:HG3	1.70	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:181:LEU:HD12	1:B:199:LEU:CD2	2.35	0.56
1:C:55:VAL:HG11	1:C:132:LEU:CD1	2.35	0.56
1:C:369:PHE:CE1	1:C:372:LEU:HD13	2.41	0.56
1:D:27:PHE:HA	1:D:30:LYS:HD3	1.88	0.56
1:D:32:VAL:O	1:D:36:PRO:HD2	2.03	0.56
1:D:152:VAL:HG21	1:D:410:LEU:CD1	2.35	0.56
1:D:169:LYS:HG3	1:D:170:VAL:N	2.19	0.56
1:D:411:VAL:HG23	1:D:412:GLU:N	2.16	0.56
1:E:27:PHE:HA	1:E:30:LYS:HD3	1.88	0.56
1:E:55:VAL:HG11	1:E:132:LEU:CD1	2.35	0.56
1:E:77:VAL:HG23	1:E:92:ILE:HG21	1.87	0.56
1:E:152:VAL:HG21	1:E:410:LEU:CD1	2.35	0.56
1:E:492:LEU:HD12	1:E:577:ALA:CB	2.28	0.56
1:F:113:LEU:HD22	1:F:162:LEU:O	2.05	0.56
1:F:135:ARG:HE	1:F:136:GLN:HG3	1.70	0.56
1:F:277:ALA:HB1	1:G:120:PHE:N	2.12	0.56
1:F:279:THR:HA	1:G:114:TYR:HB3	1.86	0.56
1:F:344:VAL:HG22	1:F:344:VAL:O	2.05	0.56
1:F:381:ILE:CG2	1:F:466:TYR:CD2	2.89	0.56
1:G:18:VAL:HG23	1:G:19:PHE:N	2.21	0.56
1:G:157:LYS:HG2	1:G:287:HIS:CD2	2.41	0.56
1:G:450:PRO:HG2	1:G:471:ILE:HD13	1.87	0.56
1:H:15:ILE:CD1	1:H:88:LEU:HD12	2.34	0.56
1:H:23:PHE:CE2	1:H:27:PHE:CD2	2.94	0.56
1:H:113:LEU:HD22	1:H:162:LEU:O	2.05	0.56
1:H:195:MET:HA	1:H:198:LYS:CE	2.35	0.56
1:H:241:LEU:O	1:H:242:LEU:HD23	2.06	0.56
1:H:253:TRP:HZ2	1:H:266:THR:HG1	1.54	0.56
1:H:344:VAL:HG22	1:H:344:VAL:O	2.05	0.56
1:I:1:MET:HB3	1:I:5:THR:CB	2.35	0.56
1:I:55:VAL:HG11	1:I:132:LEU:CD1	2.35	0.56
1:I:173:LYS:HD3	1:I:173:LYS:C	2.26	0.56
1:J:27:PHE:HA	1:J:30:LYS:HD3	1.88	0.56
1:J:33:GLN:O	1:J:36:PRO:CD	2.54	0.56
1:J:40:LEU:HD11	1:J:64:THR:HG21	0.56	0.56
1:J:184:LYS:HD2	1:J:191:THR:HG23	1.87	0.56
1:K:77:VAL:HG23	1:K:92:ILE:HG21	1.87	0.56
1:L:121:ALA:HB1	3:L:1402:DTP:N1	2.20	0.56
1:L:152:VAL:HG21	1:L:410:LEU:CD1	2.35	0.56
1:L:387:SER:HB3	1:L:391:PHE:HE2	1.67	0.56
1:M:3:PHE:HE1	1:N:281:THR:HG21	1.65	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:511:SER:CB	1:M:646:UNK:HA	2.36	0.56
1:N:23:PHE:CE2	1:N:27:PHE:CD2	2.94	0.56
1:N:55:VAL:HG11	1:N:132:LEU:CD1	2.35	0.56
1:N:113:LEU:HD22	1:N:162:LEU:O	2.05	0.56
1:O:40:LEU:HD11	1:O:64:THR:HG21	0.56	0.56
1:O:114:TYR:HB3	1:P:279:THR:HA	1.87	0.56
1:O:178:ILE:HD13	1:O:178:ILE:C	2.27	0.56
1:O:179:PHE:CB	1:O:242:LEU:HD22	2.18	0.56
1:P:135:ARG:HE	1:P:136:GLN:HG3	1.70	0.56
1:P:173:LYS:HD3	1:P:173:LYS:C	2.26	0.56
1:P:381:ILE:CG2	1:P:466:TYR:CD2	2.89	0.56
1:P:390:TRP:CZ2	1:P:402:VAL:HG12	2.40	0.56
1:A:114:TYR:HB3	1:H:279:THR:HA	1.86	0.56
1:A:157:LYS:HG2	1:A:287:HIS:CD2	2.41	0.56
1:A:511:SER:CB	1:A:646:UNK:HA	2.36	0.56
1:B:23:PHE:CE2	1:B:85:TYR:CE1	2.94	0.56
1:B:24:VAL:HG13	1:B:25:ASP:N	2.20	0.56
1:B:195:MET:HA	1:B:198:LYS:CE	2.35	0.56
1:B:357:LEU:HD11	1:B:366:ARG:CD	2.27	0.56
1:B:492:LEU:HD12	1:B:577:ALA:CB	2.28	0.56
1:C:10:TYR:CD2	1:C:106:TYR:HB3	2.41	0.56
1:C:20:GLU:HB3	1:C:24:VAL:CA	2.36	0.56
1:C:77:VAL:HG23	1:C:92:ILE:HG21	1.87	0.56
1:C:113:LEU:HD22	1:C:162:LEU:O	2.05	0.56
1:C:181:LEU:HD12	1:C:199:LEU:CD2	2.36	0.56
1:C:301:LEU:O	1:C:304:TYR:HB2	2.06	0.56
1:D:11:GLN:CG	1:D:106:TYR:HD2	2.14	0.56
1:D:40:LEU:HD11	1:D:64:THR:HG21	0.56	0.56
1:E:121:ALA:HB1	3:E:1402:DTP:N1	2.20	0.56
1:E:173:LYS:HD3	1:E:173:LYS:C	2.26	0.56
1:E:344:VAL:HG22	1:E:344:VAL:O	2.05	0.56
1:G:40:LEU:HD11	1:G:64:THR:HG21	0.56	0.56
1:G:178:ILE:HD13	1:G:178:ILE:C	2.27	0.56
1:G:228:LEU:CD2	1:G:232:LEU:HD13	2.31	0.56
1:G:253:TRP:HZ2	1:G:266:THR:HG1	1.54	0.56
1:G:353:ILE:HG12	1:G:430:LYS:CD	2.36	0.56
1:G:381:ILE:CB	1:G:466:TYR:CD2	2.89	0.56
1:H:55:VAL:HG11	1:H:132:LEU:CD1	2.35	0.56
1:H:196:LEU:HD23	1:H:199:LEU:HB2	1.87	0.56
1:J:32:VAL:O	1:J:36:PRO:HD2	2.03	0.56
1:J:381:ILE:CG2	1:J:466:TYR:CD2	2.89	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:10:TYR:CD2	1:K:106:TYR:HB3	2.41	0.56
1:K:113:LEU:HD22	1:K:162:LEU:O	2.05	0.56
1:K:114:TYR:HB3	1:L:279:THR:HA	1.87	0.56
1:K:181:LEU:HD12	1:K:199:LEU:CD2	2.35	0.56
1:K:369:PHE:CE1	1:K:372:LEU:HD13	2.41	0.56
1:L:20:GLU:HB3	1:L:24:VAL:CA	2.36	0.56
1:L:24:VAL:HG13	1:L:25:ASP:N	2.20	0.56
1:L:135:ARG:HE	1:L:136:GLN:HG3	1.70	0.56
1:M:114:TYR:HB3	1:N:279:THR:HA	1.87	0.56
1:M:381:ILE:CG2	1:M:466:TYR:CD2	2.89	0.56
1:M:532:ASP:OD1	1:M:535:TYR:HD2	1.89	0.56
1:N:178:ILE:HD13	1:N:178:ILE:C	2.27	0.56
1:N:196:LEU:HD23	1:N:199:LEU:HB2	1.87	0.56
1:N:241:LEU:O	1:N:242:LEU:HD23	2.06	0.56
1:N:353:ILE:HB	1:N:426:TYR:OH	2.04	0.56
1:N:532:ASP:OD1	1:N:535:TYR:HD2	1.89	0.56
1:O:18:VAL:HG23	1:O:19:PHE:N	2.21	0.56
1:O:157:LYS:HG2	1:O:287:HIS:CD2	2.41	0.56
1:O:253:TRP:HZ2	1:O:266:THR:HG1	1.54	0.56
1:O:353:ILE:HG12	1:O:430:LYS:CD	2.36	0.56
1:O:369:PHE:CE1	1:O:372:LEU:HD13	2.41	0.56
1:O:381:ILE:CB	1:O:466:TYR:CD2	2.89	0.56
1:A:18:VAL:HG23	1:A:19:PHE:N	2.21	0.55
1:A:447:TYR:HE1	1:A:482:GLU:CG	2.19	0.55
1:A:532:ASP:OD1	1:A:535:TYR:HD2	1.89	0.55
1:B:20:GLU:HB3	1:B:24:VAL:CA	2.36	0.55
1:B:152:VAL:HG21	1:B:410:LEU:CD1	2.35	0.55
1:B:314:ARG:HG3	1:B:341:TRP:CH2	2.39	0.55
1:B:353:ILE:HG12	1:B:430:LYS:CD	2.36	0.55
1:B:447:TYR:HE1	1:B:482:GLU:CG	2.19	0.55
1:C:511:SER:CB	1:C:646:UNK:HA	2.36	0.55
1:E:20:GLU:HB3	1:E:24:VAL:CA	2.36	0.55
1:E:349:LEU:HD12	1:E:349:LEU:N	2.21	0.55
1:E:449:ILE:HG23	1:E:450:PRO:HD2	1.87	0.55
1:F:8:HIS:HE1	1:F:98:GLN:HB3	1.72	0.55
1:F:124:ASN:C	1:F:300:LEU:HB2	2.27	0.55
1:F:475:LEU:HD22	1:F:482:GLU:CB	2.36	0.55
1:F:475:LEU:HD11	1:F:486:LEU:HG	1.88	0.55
1:G:184:LYS:HD2	1:G:191:THR:HG23	1.87	0.55
1:G:195:MET:HA	1:G:198:LYS:CE	2.35	0.55
1:G:511:SER:CB	1:G:646:UNK:HA	2.36	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:150:ASP:O	1:H:287:HIS:HB3	2.06	0.55
1:H:157:LYS:HG2	1:H:287:HIS:CD2	2.41	0.55
1:H:178:ILE:HD13	1:H:178:ILE:C	2.27	0.55
1:H:301:LEU:O	1:H:304:TYR:HB2	2.05	0.55
1:H:532:ASP:OD1	1:H:535:TYR:HD2	1.89	0.55
1:I:32:VAL:N	1:I:45:ILE:HD13	2.22	0.55
1:I:152:VAL:HG21	1:I:410:LEU:CD1	2.35	0.55
1:I:492:LEU:HD12	1:I:577:ALA:CB	2.28	0.55
1:J:27:PHE:O	1:J:30:LYS:HE2	2.07	0.55
1:J:114:TYR:CD1	1:K:280:THR:CB	2.83	0.55
1:J:169:LYS:HG3	1:J:170:VAL:N	2.19	0.55
1:J:178:ILE:HD13	1:J:178:ILE:C	2.27	0.55
1:J:476:LYS:HB2	1:J:527:TYR:HD1	1.68	0.55
1:K:20:GLU:HB3	1:K:24:VAL:CA	2.36	0.55
1:K:33:GLN:O	1:K:36:PRO:CD	2.54	0.55
1:K:131:TYR:HD2	1:K:132:LEU:CD2	2.15	0.55
1:L:23:PHE:CE2	1:L:85:TYR:CE1	2.94	0.55
1:L:178:ILE:HD13	1:L:178:ILE:C	2.27	0.55
1:L:314:ARG:HG3	1:L:341:TRP:CH2	2.39	0.55
1:L:353:ILE:HG12	1:L:430:LYS:CD	2.36	0.55
1:M:18:VAL:HG23	1:M:19:PHE:N	2.21	0.55
1:M:123:TYR:HD1	1:M:304:TYR:CA	2.10	0.55
1:M:157:LYS:HG2	1:M:287:HIS:CD2	2.41	0.55
1:M:241:LEU:HD13	1:M:261:LYS:CE	2.34	0.55
1:M:475:LEU:HD11	1:M:486:LEU:HG	1.87	0.55
1:N:150:ASP:O	1:N:287:HIS:HB3	2.06	0.55
1:N:157:LYS:HG2	1:N:287:HIS:CD2	2.41	0.55
1:N:511:SER:CB	1:N:646:UNK:HA	2.36	0.55
1:O:40:LEU:HD22	1:O:48:ILE:HD11	1.69	0.55
1:O:511:SER:CB	1:O:646:UNK:HA	2.36	0.55
1:P:8:HIS:HE1	1:P:98:GLN:HB3	1.72	0.55
1:P:15:ILE:CD1	1:P:88:LEU:HD12	2.34	0.55
1:P:124:ASN:C	1:P:300:LEU:HB2	2.27	0.55
1:P:475:LEU:HD22	1:P:482:GLU:CB	2.36	0.55
1:A:123:TYR:HD1	1:A:304:TYR:CA	2.10	0.55
1:A:281:THR:HG21	1:B:3:PHE:HE1	1.65	0.55
1:A:369:PHE:CE1	1:A:372:LEU:HD13	2.41	0.55
1:A:475:LEU:HD11	1:A:486:LEU:HG	1.87	0.55
1:B:178:ILE:HD13	1:B:178:ILE:C	2.27	0.55
1:C:15:ILE:CD1	1:C:88:LEU:HD12	2.34	0.55
1:C:124:ASN:C	1:C:300:LEU:HB2	2.27	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:23:PHE:CE2	1:D:85:TYR:CE1	2.94	0.55
1:D:27:PHE:O	1:D:30:LYS:HE2	2.07	0.55
1:D:150:ASP:CA	1:D:287:HIS:HB3	2.36	0.55
1:D:178:ILE:HD13	1:D:178:ILE:C	2.27	0.55
1:D:450:PRO:HG2	1:D:471:ILE:HD13	1.87	0.55
1:E:8:HIS:HE1	1:E:98:GLN:HB3	1.72	0.55
1:E:32:VAL:N	1:E:45:ILE:HD13	2.22	0.55
1:E:135:ARG:HE	1:E:136:GLN:HG3	1.70	0.55
1:E:353:ILE:HG12	1:E:430:LYS:CD	2.36	0.55
1:E:381:ILE:CG2	1:E:466:TYR:CD2	2.89	0.55
1:F:349:LEU:HD12	1:F:349:LEU:N	2.21	0.55
1:F:447:TYR:HE1	1:F:482:GLU:CG	2.19	0.55
1:G:447:TYR:HE1	1:G:482:GLU:CG	2.19	0.55
1:H:173:LYS:HD3	1:H:173:LYS:C	2.26	0.55
1:H:353:ILE:HG12	1:H:430:LYS:CD	2.36	0.55
1:H:511:SER:CB	1:H:646:UNK:HA	2.36	0.55
1:I:20:GLU:HB3	1:I:24:VAL:CA	2.36	0.55
1:I:135:ARG:HE	1:I:136:GLN:HG3	1.70	0.55
1:I:195:MET:HA	1:I:198:LYS:CE	2.35	0.55
1:I:344:VAL:O	1:I:344:VAL:HG22	2.05	0.55
1:I:349:LEU:HD12	1:I:349:LEU:N	2.21	0.55
1:I:381:ILE:CG2	1:I:466:TYR:CD2	2.89	0.55
1:J:23:PHE:CE2	1:J:85:TYR:CE1	2.94	0.55
1:J:150:ASP:CA	1:J:287:HIS:HB3	2.36	0.55
1:K:15:ILE:CD1	1:K:88:LEU:HD12	2.34	0.55
1:K:124:ASN:C	1:K:300:LEU:HB2	2.27	0.55
1:K:196:LEU:HD23	1:K:199:LEU:HB2	1.87	0.55
1:K:511:SER:CB	1:K:646:UNK:HA	2.36	0.55
1:L:3:PHE:HE1	1:M:281:THR:HG21	1.65	0.55
1:L:447:TYR:HE1	1:L:482:GLU:CG	2.19	0.55
1:L:532:ASP:OD1	1:L:535:TYR:HD2	1.89	0.55
1:M:27:PHE:O	1:M:30:LYS:HE2	2.07	0.55
1:M:447:TYR:HE1	1:M:482:GLU:CG	2.19	0.55
1:N:181:LEU:HD12	1:N:199:LEU:CD2	2.35	0.55
1:N:301:LEU:O	1:N:304:TYR:HB2	2.05	0.55
1:O:184:LYS:HD2	1:O:191:THR:HG23	1.87	0.55
1:O:195:MET:HA	1:O:198:LYS:CE	2.35	0.55
1:O:196:LEU:HD13	1:O:224:ILE:HG21	1.88	0.55
1:P:447:TYR:HE1	1:P:482:GLU:CG	2.19	0.55
1:P:475:LEU:HD11	1:P:486:LEU:HG	1.88	0.55
1:A:27:PHE:O	1:A:30:LYS:HE2	2.07	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:120:PHE:CE2	1:A:122:LYS:HD3	2.42	0.55
1:A:178:ILE:HD13	1:A:178:ILE:C	2.27	0.55
1:A:278:ALA:CB	1:B:119:VAL:HG22	2.36	0.55
1:B:381:ILE:CB	1:B:466:TYR:CD2	2.89	0.55
1:B:387:SER:HB3	1:B:391:PHE:HE2	1.67	0.55
1:B:532:ASP:OD1	1:B:535:TYR:HD2	1.89	0.55
1:C:33:GLN:O	1:C:36:PRO:CD	2.54	0.55
1:C:280:THR:CB	1:D:114:TYR:CD1	2.83	0.55
1:C:447:TYR:HE1	1:C:482:GLU:CG	2.19	0.55
1:D:28:ASP:OD1	1:D:35:MET:HE1	2.05	0.55
1:D:32:VAL:N	1:D:45:ILE:HD13	2.22	0.55
1:D:124:ASN:C	1:D:300:LEU:HB2	2.27	0.55
1:D:349:LEU:HD12	1:D:349:LEU:N	2.21	0.55
1:D:476:LYS:HB2	1:D:527:TYR:HD1	1.68	0.55
1:E:195:MET:HA	1:E:198:LYS:CE	2.35	0.55
1:E:447:TYR:HE1	1:E:482:GLU:CG	2.19	0.55
1:F:15:ILE:CD1	1:F:88:LEU:HD12	2.34	0.55
1:F:150:ASP:CA	1:F:287:HIS:HB3	2.36	0.55
1:F:178:ILE:HA	1:F:241:LEU:O	2.07	0.55
1:F:184:LYS:HD2	1:F:191:THR:HG23	1.87	0.55
1:F:200:LEU:HD13	1:F:208:THR:CG2	2.33	0.55
1:F:511:SER:CB	1:F:646:UNK:HA	2.36	0.55
1:G:120:PHE:CE2	1:G:122:LYS:HD3	2.42	0.55
1:G:121:ALA:CA	3:G:1402:DTP:H2	2.35	0.55
1:G:196:LEU:HD23	1:G:199:LEU:HB2	1.87	0.55
1:G:487:PHE:O	1:G:488:ARG:HB2	2.05	0.55
1:H:120:PHE:CE2	1:H:122:LYS:HD3	2.42	0.55
1:H:181:LEU:HD12	1:H:199:LEU:CD2	2.35	0.55
1:I:8:HIS:HE1	1:I:98:GLN:HB3	1.72	0.55
1:I:353:ILE:HG12	1:I:430:LYS:CD	2.36	0.55
1:I:447:TYR:HE1	1:I:482:GLU:CG	2.19	0.55
1:J:32:VAL:N	1:J:45:ILE:HD13	2.22	0.55
1:J:449:ILE:HG23	1:J:450:PRO:HD2	1.87	0.55
1:K:40:LEU:CD2	1:K:48:ILE:HD13	2.34	0.55
1:K:178:ILE:HA	1:K:241:LEU:O	2.07	0.55
1:K:381:ILE:CB	1:K:466:TYR:CD2	2.89	0.55
1:L:241:LEU:O	1:L:242:LEU:HD23	2.06	0.55
1:L:381:ILE:CB	1:L:466:TYR:CD2	2.89	0.55
1:L:411:VAL:HG23	1:L:412:GLU:N	2.16	0.55
1:N:33:GLN:O	1:N:36:PRO:CD	2.54	0.55
1:N:69:GLN:CD	1:N:69:GLN:H	2.10	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:120:PHE:CE2	1:N:122:LYS:HD3	2.42	0.55
1:N:173:LYS:HD3	1:N:173:LYS:C	2.26	0.55
1:N:241:LEU:HD12	1:N:261:LYS:HE2	1.86	0.55
1:N:353:ILE:HG12	1:N:430:LYS:CD	2.36	0.55
1:O:196:LEU:HD23	1:O:199:LEU:HB2	1.87	0.55
1:O:447:TYR:HE1	1:O:482:GLU:CG	2.19	0.55
1:O:532:ASP:OD1	1:O:535:TYR:HD2	1.89	0.55
1:P:150:ASP:CA	1:P:287:HIS:HB3	2.36	0.55
1:P:178:ILE:HA	1:P:241:LEU:O	2.07	0.55
1:P:184:LYS:HD2	1:P:191:THR:HG23	1.87	0.55
1:P:349:LEU:HD12	1:P:349:LEU:N	2.21	0.55
1:P:511:SER:CB	1:P:646:UNK:HA	2.36	0.55
1:A:241:LEU:HD13	1:A:261:LYS:CE	2.34	0.55
1:A:322:ARG:HE	1:A:349:LEU:HG	1.72	0.55
1:B:18:VAL:HG23	1:B:19:PHE:N	2.21	0.55
1:B:27:PHE:O	1:B:30:LYS:HE2	2.07	0.55
1:B:492:LEU:O	1:B:561:LEU:HD21	2.07	0.55
1:C:8:HIS:HE1	1:C:98:GLN:HB3	1.72	0.55
1:C:23:PHE:CE2	1:C:27:PHE:CD2	2.94	0.55
1:C:173:LYS:HD3	1:C:173:LYS:C	2.26	0.55
1:C:178:ILE:HA	1:C:241:LEU:O	2.07	0.55
1:C:353:ILE:HG12	1:C:430:LYS:CD	2.36	0.55
1:C:381:ILE:CB	1:C:466:TYR:CD2	2.89	0.55
1:D:200:LEU:HD13	1:D:208:THR:CG2	2.33	0.55
1:D:278:ALA:CB	1:E:119:VAL:HG22	2.36	0.55
1:D:353:ILE:HG12	1:D:430:LYS:CD	2.36	0.55
1:D:475:LEU:HD22	1:D:482:GLU:CB	2.36	0.55
1:E:18:VAL:HG23	1:E:19:PHE:N	2.21	0.55
1:E:121:ALA:HA	3:E:1402:DTP:H2	1.89	0.55
1:F:69:GLN:CD	1:F:69:GLN:H	2.10	0.55
1:F:196:LEU:HD23	1:F:199:LEU:HB2	1.87	0.55
1:G:15:ILE:CD1	1:G:88:LEU:HD12	2.34	0.55
1:G:179:PHE:CB	1:G:242:LEU:HD22	2.18	0.55
1:G:196:LEU:HD13	1:G:224:ILE:HG21	1.88	0.55
1:G:532:ASP:OD1	1:G:535:TYR:HD2	1.89	0.55
1:H:23:PHE:CE2	1:H:85:TYR:CE1	2.94	0.55
1:H:69:GLN:CD	1:H:69:GLN:H	2.10	0.55
1:H:196:LEU:HD13	1:H:224:ILE:HG21	1.89	0.55
1:I:121:ALA:HA	3:I:1402:DTP:H2	1.89	0.55
1:I:150:ASP:O	1:I:287:HIS:HB3	2.06	0.55
1:I:532:ASP:OD1	1:I:535:TYR:HD2	1.89	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:124:ASN:C	1:J:300:LEU:HB2	2.27	0.55
1:J:349:LEU:HD12	1:J:349:LEU:N	2.21	0.55
1:J:390:TRP:CZ2	1:J:402:VAL:HG12	2.40	0.55
1:J:450:PRO:HG2	1:J:471:ILE:HD13	1.87	0.55
1:J:532:ASP:OD1	1:J:535:TYR:HD2	1.89	0.55
1:K:23:PHE:CE2	1:K:27:PHE:CD2	2.94	0.55
1:K:228:LEU:CD2	1:K:232:LEU:HD13	2.31	0.55
1:K:353:ILE:HG12	1:K:430:LYS:CD	2.36	0.55
1:K:447:TYR:HE1	1:K:482:GLU:CG	2.19	0.55
1:L:18:VAL:HG23	1:L:19:PHE:N	2.21	0.55
1:L:119:VAL:HG22	1:M:278:ALA:CB	2.36	0.55
1:L:357:LEU:HD11	1:L:366:ARG:CD	2.27	0.55
1:L:492:LEU:HD12	1:L:577:ALA:CB	2.28	0.55
1:M:40:LEU:HD11	1:M:64:THR:HG21	0.56	0.55
1:M:120:PHE:CE2	1:M:122:LYS:HD3	2.42	0.55
1:M:173:LYS:HD3	1:M:173:LYS:C	2.26	0.55
1:M:178:ILE:HD13	1:M:178:ILE:C	2.27	0.55
1:M:322:ARG:HE	1:M:349:LEU:HG	1.72	0.55
1:M:369:PHE:CE1	1:M:372:LEU:HD13	2.41	0.55
1:N:23:PHE:CE2	1:N:85:TYR:CE1	2.94	0.55
1:N:32:VAL:N	1:N:45:ILE:HD13	2.22	0.55
1:N:308:ARG:HB3	1:N:309:PRO:HD2	1.88	0.55
1:O:20:GLU:HB3	1:O:24:VAL:CA	2.36	0.55
1:O:23:PHE:CE2	1:O:27:PHE:CD2	2.94	0.55
1:O:69:GLN:CD	1:O:69:GLN:H	2.10	0.55
1:O:114:TYR:CD1	1:P:280:THR:CB	2.83	0.55
1:O:120:PHE:CE2	1:O:122:LYS:HD3	2.42	0.55
1:O:487:PHE:O	1:O:488:ARG:HB2	2.05	0.55
1:P:24:VAL:HG13	1:P:25:ASP:N	2.20	0.55
1:P:532:ASP:OD1	1:P:535:TYR:HD2	1.89	0.55
1:A:20:GLU:HB3	1:A:24:VAL:CA	2.36	0.55
1:A:32:VAL:N	1:A:45:ILE:HD13	2.22	0.55
1:A:40:LEU:HD11	1:A:64:THR:HG21	0.56	0.55
1:A:146:ASN:HB2	1:A:275:LEU:HD11	1.89	0.55
1:B:241:LEU:O	1:B:242:LEU:HD23	2.06	0.55
1:B:450:PRO:HG2	1:B:471:ILE:HD13	1.87	0.55
1:C:121:ALA:HA	3:C:1402:DTP:H2	1.89	0.55
1:C:135:ARG:HE	1:C:136:GLN:HG3	1.70	0.55
1:C:196:LEU:HD23	1:C:199:LEU:HB2	1.87	0.55
1:D:390:TRP:CZ2	1:D:402:VAL:HG12	2.40	0.55
1:D:532:ASP:OD1	1:D:535:TYR:HD2	1.89	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:69:GLN:CD	1:E:69:GLN:H	2.10	0.55
1:E:150:ASP:O	1:E:287:HIS:HB3	2.06	0.55
1:E:357:LEU:HD11	1:E:366:ARG:CD	2.27	0.55
1:E:532:ASP:OD1	1:E:535:TYR:HD2	1.89	0.55
1:F:532:ASP:OD1	1:F:535:TYR:HD2	1.89	0.55
1:G:23:PHE:CE2	1:G:27:PHE:CD2	2.94	0.55
1:G:69:GLN:CD	1:G:69:GLN:H	2.10	0.55
1:G:124:ASN:C	1:G:300:LEU:HB2	2.27	0.55
1:H:32:VAL:N	1:H:45:ILE:HD13	2.22	0.55
1:H:33:GLN:O	1:H:36:PRO:CD	2.54	0.55
1:H:308:ARG:HB3	1:H:309:PRO:HD2	1.88	0.55
1:H:322:ARG:HE	1:H:349:LEU:HG	1.72	0.55
1:H:369:PHE:CE1	1:H:372:LEU:HD13	2.41	0.55
1:I:119:VAL:HG22	1:J:278:ALA:CB	2.36	0.55
1:I:131:TYR:HD2	1:I:132:LEU:CD2	2.15	0.55
1:J:178:ILE:HA	1:J:241:LEU:O	2.07	0.55
1:J:353:ILE:HG12	1:J:430:LYS:CD	2.36	0.55
1:J:475:LEU:HD22	1:J:482:GLU:CB	2.36	0.55
1:K:8:HIS:HE1	1:K:98:GLN:HB3	1.72	0.55
1:K:173:LYS:HD3	1:K:173:LYS:C	2.26	0.55
1:K:387:SER:HB3	1:K:391:PHE:HE2	1.67	0.55
1:K:532:ASP:OD1	1:K:535:TYR:HD2	1.89	0.55
1:L:27:PHE:O	1:L:30:LYS:HE2	2.07	0.55
1:L:450:PRO:HG2	1:L:471:ILE:HD13	1.87	0.55
1:L:492:LEU:O	1:L:561:LEU:HD21	2.07	0.55
1:M:146:ASN:HB2	1:M:275:LEU:HD11	1.89	0.55
1:M:196:LEU:HD13	1:M:224:ILE:HG21	1.88	0.55
1:M:268:PHE:CZ	1:M:407:LYS:HB2	2.42	0.55
1:O:8:HIS:HE1	1:O:98:GLN:HB3	1.72	0.55
1:O:15:ILE:CD1	1:O:88:LEU:HD12	2.34	0.55
1:O:121:ALA:CA	3:O:1402:DTP:H2	2.35	0.55
1:O:308:ARG:HB3	1:O:309:PRO:HD2	1.88	0.55
1:P:69:GLN:CD	1:P:69:GLN:H	2.10	0.55
1:P:196:LEU:HD23	1:P:199:LEU:HB2	1.87	0.55
1:A:196:LEU:HD23	1:A:199:LEU:HB2	1.87	0.55
1:A:268:PHE:CZ	1:A:407:LYS:HB2	2.42	0.55
1:A:322:ARG:HH21	1:A:349:LEU:CD1	2.20	0.55
1:B:23:PHE:CE2	1:B:85:TYR:CZ	2.95	0.55
1:B:322:ARG:HH21	1:B:349:LEU:CD1	2.20	0.55
1:B:411:VAL:HG23	1:B:412:GLU:N	2.16	0.55
1:C:32:VAL:N	1:C:45:ILE:HD13	2.22	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:40:LEU:CD2	1:C:48:ILE:HD13	2.34	0.55
1:C:492:LEU:O	1:C:561:LEU:HD21	2.07	0.55
1:C:532:ASP:OD1	1:C:535:TYR:HD2	1.89	0.55
1:D:69:GLN:CD	1:D:69:GLN:H	2.10	0.55
1:D:178:ILE:HA	1:D:241:LEU:O	2.07	0.55
1:D:449:ILE:HG23	1:D:450:PRO:HD2	1.87	0.55
1:E:178:ILE:HD13	1:E:178:ILE:C	2.27	0.55
1:E:184:LYS:HD2	1:E:191:THR:HG23	1.87	0.55
1:E:511:SER:CB	1:E:646:UNK:HA	2.36	0.55
1:F:24:VAL:HG13	1:F:25:ASP:N	2.20	0.55
1:G:20:GLU:HB3	1:G:24:VAL:CA	2.36	0.55
1:G:308:ARG:HB3	1:G:309:PRO:HD2	1.88	0.55
1:G:322:ARG:HH21	1:G:349:LEU:CD1	2.20	0.55
1:G:475:LEU:HD11	1:G:486:LEU:HG	1.87	0.55
1:H:23:PHE:CE2	1:H:85:TYR:CZ	2.95	0.55
1:H:241:LEU:HD12	1:H:261:LYS:HE2	1.86	0.55
1:H:391:PHE:CD1	1:H:394:ILE:HA	2.42	0.55
1:I:18:VAL:HG23	1:I:19:PHE:N	2.21	0.55
1:I:178:ILE:HA	1:I:241:LEU:O	2.07	0.55
1:I:184:LYS:HD2	1:I:191:THR:HG23	1.87	0.55
1:J:23:PHE:CE2	1:J:27:PHE:CD2	2.94	0.55
1:J:69:GLN:CD	1:J:69:GLN:H	2.10	0.55
1:J:131:TYR:HD2	1:J:132:LEU:CD2	2.15	0.55
1:K:18:VAL:HG23	1:K:19:PHE:N	2.21	0.55
1:K:32:VAL:N	1:K:45:ILE:HD13	2.22	0.55
1:K:121:ALA:HA	3:K:1402:DTP:H2	1.89	0.55
1:K:135:ARG:HE	1:K:136:GLN:HG3	1.70	0.55
1:K:150:ASP:CA	1:K:287:HIS:HB3	2.36	0.55
1:L:23:PHE:CE2	1:L:85:TYR:CZ	2.95	0.55
1:L:39:ILE:HD13	1:L:75:LYS:HB3	1.87	0.55
1:L:241:LEU:HD12	1:L:261:LYS:HE2	1.86	0.55
1:M:20:GLU:HB3	1:M:24:VAL:CA	2.36	0.55
1:M:23:PHE:CE2	1:M:85:TYR:CZ	2.95	0.55
1:M:32:VAL:N	1:M:45:ILE:HD13	2.22	0.55
1:M:353:ILE:HG12	1:M:430:LYS:CD	2.36	0.55
1:N:3:PHE:HE1	1:O:281:THR:HG21	1.65	0.55
1:N:23:PHE:CE2	1:N:85:TYR:CZ	2.95	0.55
1:N:24:VAL:HG13	1:N:25:ASP:N	2.20	0.55
1:N:196:LEU:HD13	1:N:224:ILE:HG21	1.89	0.55
1:N:322:ARG:HE	1:N:349:LEU:HG	1.72	0.55
1:N:369:PHE:CE1	1:N:372:LEU:HD13	2.41	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:391:PHE:CD1	1:N:394:ILE:HA	2.42	0.55
1:O:105:MET:HE2	1:O:106:TYR:CE1	2.42	0.55
1:O:124:ASN:C	1:O:300:LEU:HB2	2.27	0.55
1:O:322:ARG:HH21	1:O:349:LEU:CD1	2.20	0.55
1:P:200:LEU:HD13	1:P:208:THR:CG2	2.33	0.55
1:A:23:PHE:CE2	1:A:85:TYR:CZ	2.95	0.55
1:A:152:VAL:HG12	1:A:153:LEU:N	2.22	0.55
1:A:302:LEU:HD13	1:A:302:LEU:C	2.27	0.55
1:A:308:ARG:HB3	1:A:309:PRO:HD2	1.88	0.55
1:B:487:PHE:O	1:B:488:ARG:HB2	2.05	0.55
1:C:27:PHE:HA	1:C:30:LYS:HD3	1.88	0.55
1:C:150:ASP:CA	1:C:287:HIS:HB3	2.36	0.55
1:C:302:LEU:HD13	1:C:302:LEU:C	2.27	0.55
1:C:517:THR:HG21	1:C:546:LEU:HD21	1.85	0.55
1:D:8:HIS:HE1	1:D:98:GLN:HB3	1.72	0.55
1:D:23:PHE:CE2	1:D:27:PHE:CD2	2.94	0.55
1:E:27:PHE:O	1:E:30:LYS:HE2	2.07	0.55
1:E:131:TYR:HD2	1:E:132:LEU:CD2	2.15	0.55
1:E:178:ILE:HA	1:E:241:LEU:O	2.07	0.55
1:E:278:ALA:CB	1:F:119:VAL:HG22	2.36	0.55
1:F:19:PHE:HZ	1:N:87:PHE:CB	2.13	0.55
1:F:322:ARG:HE	1:F:349:LEU:HG	1.72	0.55
1:G:8:HIS:HE1	1:G:98:GLN:HB3	1.72	0.55
1:G:40:LEU:HD22	1:G:48:ILE:HD11	1.69	0.55
1:G:178:ILE:HA	1:G:241:LEU:O	2.07	0.55
1:G:391:PHE:CD1	1:G:394:ILE:HA	2.42	0.55
1:H:24:VAL:HG13	1:H:25:ASP:N	2.20	0.55
1:H:87:PHE:CB	1:P:19:PHE:HZ	2.13	0.55
1:H:125:VAL:HG23	1:H:296:GLU:HB3	1.89	0.55
1:H:184:LYS:HD2	1:H:191:THR:HG23	1.87	0.55
1:H:447:TYR:HE1	1:H:482:GLU:CG	2.19	0.55
1:H:475:LEU:HD11	1:H:486:LEU:HG	1.88	0.55
1:I:23:PHE:CE2	1:I:85:TYR:CZ	2.95	0.55
1:I:178:ILE:HD13	1:I:178:ILE:C	2.27	0.55
1:I:278:ALA:CB	1:P:119:VAL:HG22	2.36	0.55
1:I:511:SER:CB	1:I:646:UNK:HA	2.36	0.55
1:J:200:LEU:HD13	1:J:208:THR:CG2	2.33	0.55
1:K:27:PHE:HA	1:K:30:LYS:HD3	1.88	0.55
1:K:114:TYR:CD1	1:L:280:THR:CB	2.83	0.55
1:K:178:ILE:HD13	1:K:178:ILE:C	2.27	0.55
1:K:302:LEU:HD13	1:K:302:LEU:C	2.27	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:492:LEU:O	1:K:561:LEU:HD21	2.07	0.55
1:L:178:ILE:HA	1:L:241:LEU:O	2.07	0.55
1:L:322:ARG:HH21	1:L:349:LEU:CD1	2.20	0.55
1:L:381:ILE:CG2	1:L:466:TYR:CD2	2.89	0.55
1:L:487:PHE:O	1:L:488:ARG:HB2	2.05	0.55
1:M:5:THR:HG21	1:M:73:VAL:CG1	2.37	0.55
1:M:120:PHE:N	1:N:277:ALA:HB1	2.12	0.55
1:M:302:LEU:HD13	1:M:302:LEU:C	2.27	0.55
1:M:308:ARG:HB3	1:M:309:PRO:HD2	1.88	0.55
1:M:322:ARG:HH21	1:M:349:LEU:CD1	2.20	0.55
1:N:125:VAL:HG23	1:N:296:GLU:HB3	1.89	0.55
1:N:447:TYR:HE1	1:N:482:GLU:CG	2.19	0.55
1:N:475:LEU:HD11	1:N:486:LEU:HG	1.88	0.55
1:O:178:ILE:HA	1:O:241:LEU:O	2.07	0.55
1:O:391:PHE:CD1	1:O:394:ILE:HA	2.42	0.55
1:O:475:LEU:HD11	1:O:486:LEU:HG	1.87	0.55
1:P:33:GLN:O	1:P:36:PRO:CD	2.54	0.55
1:P:322:ARG:HE	1:P:349:LEU:HG	1.72	0.55
1:P:517:THR:HG21	1:P:546:LEU:HD21	1.85	0.55
1:A:5:THR:HG21	1:A:73:VAL:CG1	2.37	0.55
1:A:119:VAL:HG22	1:H:278:ALA:CB	2.36	0.55
1:A:120:PHE:N	1:H:277:ALA:HB1	2.12	0.55
1:A:173:LYS:HD3	1:A:173:LYS:C	2.26	0.55
1:A:196:LEU:HD13	1:A:224:ILE:HG21	1.88	0.55
1:A:349:LEU:HD12	1:A:349:LEU:N	2.21	0.55
1:A:353:ILE:HG12	1:A:430:LYS:CD	2.36	0.55
1:A:391:PHE:CD1	1:A:394:ILE:HA	2.42	0.55
1:A:492:LEU:O	1:A:561:LEU:HD21	2.07	0.55
1:B:8:HIS:HE1	1:B:98:GLN:HB3	1.72	0.55
1:B:32:VAL:N	1:B:45:ILE:HD13	2.22	0.55
1:B:39:ILE:HD13	1:B:75:LYS:HB3	1.87	0.55
1:B:124:ASN:C	1:B:300:LEU:HB2	2.27	0.55
1:B:178:ILE:HA	1:B:241:LEU:O	2.07	0.55
1:B:196:LEU:HD13	1:B:224:ILE:HG21	1.89	0.55
1:B:280:THR:CB	1:C:114:TYR:CD1	2.83	0.55
1:B:381:ILE:CG2	1:B:466:TYR:CD2	2.89	0.55
1:C:18:VAL:HG23	1:C:19:PHE:N	2.21	0.55
1:C:178:ILE:HD13	1:C:178:ILE:C	2.27	0.55
1:C:228:LEU:CD2	1:C:232:LEU:HD13	2.31	0.55
1:C:349:LEU:HD12	1:C:349:LEU:N	2.21	0.55
1:D:131:TYR:HD2	1:D:132:LEU:CD2	2.15	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:135:ARG:HE	1:D:136:GLN:HG3	1.70	0.55
1:D:447:TYR:HE1	1:D:482:GLU:CG	2.19	0.55
1:E:23:PHE:CE2	1:E:85:TYR:CZ	2.95	0.55
1:E:492:LEU:O	1:E:561:LEU:HD21	2.07	0.55
1:F:180:TRP:CE3	1:F:243:VAL:HB	2.42	0.55
1:F:280:THR:CB	1:G:114:TYR:CD1	2.83	0.55
1:F:517:THR:HG21	1:F:546:LEU:HD21	1.85	0.55
1:G:150:ASP:O	1:G:287:HIS:HB3	2.06	0.55
1:G:180:TRP:CE3	1:G:243:VAL:HB	2.42	0.55
1:G:235:LYS:CB	1:G:236:PRO:HD2	2.37	0.55
1:G:475:LEU:HD22	1:G:482:GLU:CB	2.36	0.55
1:G:476:LYS:HB2	1:G:527:TYR:HD1	1.68	0.55
1:H:390:TRP:CE2	1:H:402:VAL:CG1	2.90	0.55
1:I:69:GLN:CD	1:I:69:GLN:H	2.10	0.55
1:J:8:HIS:HE1	1:J:98:GLN:HB3	1.72	0.55
1:J:23:PHE:CE2	1:J:85:TYR:CZ	2.95	0.55
1:J:204:ASP:OD2	1:J:235:LYS:HE2	2.07	0.55
1:K:517:THR:HG21	1:K:546:LEU:HD21	1.85	0.55
1:L:124:ASN:C	1:L:300:LEU:HB2	2.27	0.55
1:L:391:PHE:CD1	1:L:394:ILE:HA	2.42	0.55
1:M:150:ASP:CA	1:M:287:HIS:HB3	2.36	0.55
1:M:152:VAL:HG12	1:M:153:LEU:N	2.22	0.55
1:M:196:LEU:HD23	1:M:199:LEU:HB2	1.87	0.55
1:M:349:LEU:HD12	1:M:349:LEU:N	2.21	0.55
1:M:492:LEU:O	1:M:561:LEU:HD21	2.07	0.55
1:N:184:LYS:HD2	1:N:191:THR:HG23	1.87	0.55
1:N:390:TRP:CE2	1:N:402:VAL:CG1	2.90	0.55
1:O:180:TRP:CE3	1:O:243:VAL:HB	2.42	0.55
1:O:235:LYS:CB	1:O:236:PRO:HD2	2.37	0.55
1:O:475:LEU:HD22	1:O:482:GLU:CB	2.36	0.55
1:O:476:LYS:HB2	1:O:527:TYR:HD1	1.68	0.55
1:P:23:PHE:CE2	1:P:85:TYR:CZ	2.95	0.55
1:P:180:TRP:CE3	1:P:243:VAL:HB	2.42	0.55
1:A:8:HIS:HE1	1:A:98:GLN:HB3	1.72	0.55
1:A:69:GLN:CD	1:A:69:GLN:H	2.10	0.55
1:A:124:ASN:C	1:A:300:LEU:HB2	2.27	0.55
1:A:150:ASP:CA	1:A:287:HIS:HB3	2.36	0.55
1:A:381:ILE:CB	1:A:466:TYR:CD2	2.89	0.55
1:B:241:LEU:HD12	1:B:261:LYS:HE2	1.86	0.55
1:B:391:PHE:CD1	1:B:394:ILE:HA	2.42	0.55
1:C:381:ILE:CG2	1:C:466:TYR:CD2	2.89	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:23:PHE:CE2	1:D:85:TYR:CZ	2.95	0.55
1:D:204:ASP:OD2	1:D:235:LYS:HE2	2.07	0.55
1:D:322:ARG:HH21	1:D:349:LEU:CD1	2.20	0.55
1:D:381:ILE:CG2	1:D:466:TYR:CD2	2.89	0.55
1:D:492:LEU:O	1:D:561:LEU:HD21	2.07	0.55
1:E:390:TRP:CZ2	1:E:402:VAL:HG12	2.40	0.55
1:F:23:PHE:CE2	1:F:85:TYR:CZ	2.95	0.55
1:F:33:GLN:O	1:F:36:PRO:CD	2.54	0.55
1:F:120:PHE:CE2	1:F:122:LYS:HD3	2.42	0.55
1:G:150:ASP:CA	1:G:287:HIS:HB3	2.36	0.55
1:G:349:LEU:HD12	1:G:349:LEU:N	2.21	0.55
1:H:242:LEU:C	1:H:262:ILE:HD13	2.28	0.55
1:I:27:PHE:O	1:I:30:LYS:HE2	2.07	0.55
1:I:357:LEU:HD11	1:I:366:ARG:CD	2.27	0.55
1:I:492:LEU:O	1:I:561:LEU:HD21	2.07	0.55
1:J:135:ARG:HE	1:J:136:GLN:HG3	1.70	0.55
1:J:447:TYR:HE1	1:J:482:GLU:CG	2.19	0.55
1:J:492:LEU:O	1:J:561:LEU:HD21	2.07	0.55
1:K:349:LEU:HD12	1:K:349:LEU:N	2.21	0.55
1:L:32:VAL:N	1:L:45:ILE:HD13	2.22	0.55
1:L:196:LEU:HD13	1:L:224:ILE:HG21	1.89	0.55
1:M:123:TYR:CD1	1:M:304:TYR:CA	2.89	0.55
1:M:124:ASN:C	1:M:300:LEU:HB2	2.27	0.55
1:M:381:ILE:CB	1:M:466:TYR:CD2	2.89	0.55
1:M:391:PHE:CD1	1:M:394:ILE:HA	2.42	0.55
1:N:18:VAL:HG23	1:N:19:PHE:N	2.21	0.55
1:O:32:VAL:N	1:O:45:ILE:HD13	2.22	0.55
1:O:150:ASP:O	1:O:287:HIS:HB3	2.06	0.55
1:P:32:VAL:N	1:P:45:ILE:HD13	2.22	0.55
1:P:178:ILE:HD13	1:P:178:ILE:C	2.27	0.55
1:P:327:ILE:CG2	1:P:331:ILE:HD13	2.33	0.55
1:A:23:PHE:CE2	1:A:85:TYR:CE1	2.94	0.55
1:A:123:TYR:CD1	1:A:304:TYR:CA	2.89	0.55
1:A:204:ASP:OD2	1:A:235:LYS:HE2	2.07	0.55
1:A:390:TRP:CE2	1:A:402:VAL:CG1	2.90	0.55
1:B:23:PHE:CE2	1:B:27:PHE:CD2	2.94	0.55
1:B:146:ASN:HB2	1:B:275:LEU:HD11	1.89	0.55
1:B:204:ASP:OD2	1:B:235:LYS:HE2	2.07	0.55
1:C:387:SER:HB3	1:C:391:PHE:HE2	1.67	0.55
1:C:391:PHE:CD1	1:C:394:ILE:HA	2.42	0.55
1:D:268:PHE:CZ	1:D:407:LYS:HB2	2.42	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:511:SER:CB	1:D:646:UNK:HA	2.36	0.55
1:E:196:LEU:HD23	1:E:199:LEU:HB2	1.87	0.55
1:F:32:VAL:N	1:F:45:ILE:HD13	2.22	0.55
1:F:35:MET:CG	1:F:40:LEU:HD22	2.32	0.55
1:F:196:LEU:HD13	1:F:224:ILE:HG21	1.89	0.55
1:F:242:LEU:C	1:F:262:ILE:HD13	2.28	0.55
1:G:32:VAL:N	1:G:45:ILE:HD13	2.22	0.55
1:G:281:THR:HG21	1:H:3:PHE:HE1	1.65	0.55
1:H:327:ILE:CG2	1:H:331:ILE:HD13	2.33	0.55
1:I:196:LEU:HD23	1:I:199:LEU:HB2	1.87	0.55
1:J:121:ALA:HA	3:J:1402:DTP:H2	1.89	0.55
1:J:268:PHE:CZ	1:J:407:LYS:HB2	2.42	0.55
1:J:322:ARG:HH21	1:J:349:LEU:CD1	2.20	0.55
1:K:381:ILE:CG2	1:K:466:TYR:CD2	2.89	0.55
1:L:8:HIS:HE1	1:L:98:GLN:HB3	1.72	0.55
1:L:23:PHE:CE2	1:L:27:PHE:CD2	2.94	0.55
1:L:121:ALA:HA	3:L:1402:DTP:H2	1.89	0.55
1:L:131:TYR:HD2	1:L:132:LEU:CD2	2.15	0.55
1:L:152:VAL:HG12	1:L:153:LEU:N	2.22	0.55
1:M:69:GLN:CD	1:M:69:GLN:H	2.10	0.55
1:M:119:VAL:HG22	1:N:278:ALA:CB	2.36	0.55
1:M:241:LEU:O	1:M:242:LEU:HD23	2.06	0.55
1:N:27:PHE:O	1:N:30:LYS:HE2	2.07	0.55
1:N:242:LEU:C	1:N:262:ILE:HD13	2.28	0.55
1:N:302:LEU:HD13	1:N:302:LEU:C	2.27	0.55
1:N:381:ILE:CB	1:N:466:TYR:CD2	2.89	0.55
1:O:349:LEU:HD12	1:O:349:LEU:N	2.21	0.55
1:P:40:LEU:HD11	1:P:64:THR:HG21	0.56	0.55
1:P:120:PHE:CE2	1:P:122:LYS:HD3	2.42	0.55
1:A:27:PHE:HA	1:A:30:LYS:HD3	1.88	0.54
1:A:87:PHE:CB	1:I:19:PHE:HE2	2.08	0.54
1:A:241:LEU:O	1:A:242:LEU:HD23	2.06	0.54
1:A:475:LEU:HD22	1:A:478:ILE:HD11	1.89	0.54
1:B:121:ALA:HA	3:B:1402:DTP:H2	1.89	0.54
1:B:152:VAL:HG12	1:B:153:LEU:N	2.22	0.54
1:C:193:LEU:CD2	1:C:221:ILE:HA	2.32	0.54
1:C:280:THR:HG23	1:D:114:TYR:CG	2.16	0.54
1:D:121:ALA:HA	3:D:1402:DTP:H2	1.89	0.54
1:D:391:PHE:CD1	1:D:394:ILE:HA	2.42	0.54
1:E:5:THR:HG21	1:E:73:VAL:CG1	2.37	0.54
1:E:235:LYS:CB	1:E:236:PRO:HD2	2.37	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:327:ILE:CG2	1:F:331:ILE:HD13	2.33	0.54
1:G:390:TRP:CE2	1:G:402:VAL:CG1	2.90	0.54
1:H:18:VAL:HG23	1:H:19:PHE:N	2.21	0.54
1:H:27:PHE:O	1:H:30:LYS:HE2	2.07	0.54
1:H:204:ASP:OD2	1:H:235:LYS:HE2	2.07	0.54
1:H:381:ILE:CB	1:H:466:TYR:CD2	2.89	0.54
1:I:124:ASN:C	1:I:300:LEU:HB2	2.27	0.54
1:I:196:LEU:HD13	1:I:224:ILE:HG21	1.88	0.54
1:I:322:ARG:HH21	1:I:349:LEU:CD1	2.20	0.54
1:I:390:TRP:CZ2	1:I:402:VAL:HG12	2.40	0.54
1:I:449:ILE:HG23	1:I:450:PRO:HD2	1.87	0.54
1:J:119:VAL:HG22	1:K:278:ALA:CB	2.36	0.54
1:K:193:LEU:CD2	1:K:221:ILE:HA	2.32	0.54
1:L:146:ASN:HB2	1:L:275:LEU:HD11	1.89	0.54
1:L:204:ASP:OD2	1:L:235:LYS:HE2	2.07	0.54
1:M:8:HIS:HE1	1:M:98:GLN:HB3	1.72	0.54
1:M:23:PHE:CE2	1:M:85:TYR:CE1	2.94	0.54
1:M:27:PHE:HA	1:M:30:LYS:HD3	1.88	0.54
1:M:204:ASP:OD2	1:M:235:LYS:HE2	2.07	0.54
1:M:329:GLU:OE2	1:M:332:ARG:HD2	2.08	0.54
1:M:390:TRP:CE2	1:M:402:VAL:CG1	2.90	0.54
1:M:475:LEU:HD22	1:M:478:ILE:HD11	1.89	0.54
1:N:327:ILE:CG2	1:N:331:ILE:HD13	2.33	0.54
1:O:150:ASP:CA	1:O:287:HIS:HB3	2.36	0.54
1:O:268:PHE:CZ	1:O:407:LYS:HB2	2.42	0.54
1:O:390:TRP:CE2	1:O:402:VAL:CG1	2.90	0.54
1:P:196:LEU:HD13	1:P:224:ILE:HG21	1.89	0.54
1:P:242:LEU:C	1:P:262:ILE:HD13	2.28	0.54
1:P:314:ARG:NE	1:P:341:TRP:HH2	2.05	0.54
1:P:420:ILE:O	1:P:420:ILE:HG13	2.07	0.54
1:A:200:LEU:HD13	1:A:208:THR:CG2	2.33	0.54
1:A:329:GLU:OE2	1:A:332:ARG:HD2	2.08	0.54
1:B:5:THR:HG21	1:B:73:VAL:CG1	2.37	0.54
1:B:349:LEU:HD12	1:B:349:LEU:N	2.21	0.54
1:C:278:ALA:CB	1:D:119:VAL:HG22	2.36	0.54
1:D:146:ASN:HB2	1:D:275:LEU:HD11	1.89	0.54
1:D:242:LEU:C	1:D:262:ILE:HD13	2.28	0.54
1:D:314:ARG:NE	1:D:341:TRP:HH2	2.05	0.54
1:E:196:LEU:HD13	1:E:224:ILE:HG21	1.88	0.54
1:E:322:ARG:HH21	1:E:349:LEU:CD1	2.20	0.54
1:F:125:VAL:O	1:F:125:VAL:HG13	2.08	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:178:ILE:HD13	1:F:178:ILE:C	2.27	0.54
1:F:308:ARG:HB3	1:F:309:PRO:HD2	1.88	0.54
1:F:314:ARG:NE	1:F:341:TRP:HH2	2.05	0.54
1:F:353:ILE:HG12	1:F:430:LYS:CD	2.36	0.54
1:F:391:PHE:CD1	1:F:394:ILE:HA	2.42	0.54
1:F:420:ILE:O	1:F:420:ILE:HG13	2.07	0.54
1:F:487:PHE:O	1:F:488:ARG:HB2	2.05	0.54
1:H:152:VAL:HG21	1:H:410:LEU:CD1	2.35	0.54
1:H:178:ILE:HA	1:H:241:LEU:O	2.07	0.54
1:H:302:LEU:HD13	1:H:302:LEU:C	2.27	0.54
1:H:475:LEU:HD22	1:H:478:ILE:HD11	1.89	0.54
1:I:5:THR:HG21	1:I:73:VAL:CG1	2.37	0.54
1:I:235:LYS:CB	1:I:236:PRO:HD2	2.37	0.54
1:J:146:ASN:HB2	1:J:275:LEU:HD11	1.89	0.54
1:J:391:PHE:CD1	1:J:394:ILE:HA	2.42	0.54
1:J:511:SER:CB	1:J:646:UNK:HA	2.36	0.54
1:K:391:PHE:CD1	1:K:394:ILE:HA	2.42	0.54
1:L:11:GLN:CG	1:L:106:TYR:HD2	2.14	0.54
1:M:23:PHE:CE2	1:M:27:PHE:CD2	2.94	0.54
1:M:200:LEU:HD13	1:M:208:THR:CG2	2.33	0.54
1:M:450:PRO:HG2	1:M:471:ILE:HD13	1.87	0.54
1:N:15:ILE:CD1	1:N:88:LEU:HD12	2.34	0.54
1:N:475:LEU:HD22	1:N:478:ILE:HD11	1.89	0.54
1:O:302:LEU:HD13	1:O:302:LEU:C	2.27	0.54
1:O:420:ILE:O	1:O:420:ILE:HG13	2.07	0.54
1:P:27:PHE:HA	1:P:30:LYS:HD3	1.88	0.54
1:P:308:ARG:HB3	1:P:309:PRO:HD2	1.88	0.54
1:P:353:ILE:HG12	1:P:430:LYS:CD	2.36	0.54
1:A:23:PHE:CE2	1:A:27:PHE:CD2	2.94	0.54
1:A:121:ALA:HA	3:A:1402:DTP:H2	1.89	0.54
1:A:253:TRP:HZ2	1:A:266:THR:HG1	1.55	0.54
1:A:399:MET:O	1:A:402:VAL:HG22	2.08	0.54
1:A:450:PRO:HG2	1:A:471:ILE:HD13	1.87	0.54
1:B:11:GLN:CG	1:B:106:TYR:HD2	2.14	0.54
1:B:27:PHE:HB2	1:B:30:LYS:NZ	2.23	0.54
1:B:113:LEU:HB2	1:B:166:LEU:HD11	1.90	0.54
1:B:278:ALA:CB	1:C:119:VAL:HG22	2.36	0.54
1:C:204:ASP:OD2	1:C:235:LYS:HE2	2.07	0.54
1:E:19:PHE:HZ	1:M:87:PHE:CB	2.13	0.54
1:E:124:ASN:C	1:E:300:LEU:HB2	2.27	0.54
1:E:390:TRP:CE2	1:E:402:VAL:CG1	2.90	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:391:PHE:CD1	1:E:394:ILE:HA	2.42	0.54
1:F:492:LEU:HD12	1:F:577:ALA:CB	2.28	0.54
1:F:492:LEU:O	1:F:561:LEU:HD21	2.07	0.54
1:G:27:PHE:HA	1:G:30:LYS:HD3	1.88	0.54
1:G:121:ALA:HA	3:G:1402:DTP:H2	1.89	0.54
1:G:268:PHE:CZ	1:G:407:LYS:HB2	2.42	0.54
1:G:302:LEU:HD13	1:G:302:LEU:C	2.27	0.54
1:G:420:ILE:O	1:G:420:ILE:HG13	2.07	0.54
1:H:113:LEU:HB2	1:H:166:LEU:HD11	1.90	0.54
1:H:322:ARG:HH21	1:H:349:LEU:CD1	2.20	0.54
1:I:399:MET:O	1:I:402:VAL:HG22	2.08	0.54
1:I:420:ILE:O	1:I:420:ILE:HG13	2.07	0.54
1:J:192:VAL:HG11	1:J:251:LYS:CD	2.36	0.54
1:J:242:LEU:C	1:J:262:ILE:HD13	2.28	0.54
1:J:387:SER:HB3	1:J:391:PHE:HE2	1.67	0.54
1:K:27:PHE:O	1:K:30:LYS:HE2	2.07	0.54
1:K:119:VAL:HG22	1:L:278:ALA:CB	2.36	0.54
1:L:5:THR:HG21	1:L:73:VAL:CG1	2.37	0.54
1:L:27:PHE:HB2	1:L:30:LYS:NZ	2.23	0.54
1:L:113:LEU:HB2	1:L:166:LEU:HD11	1.90	0.54
1:L:349:LEU:N	1:L:349:LEU:HD12	2.21	0.54
1:M:135:ARG:HE	1:M:136:GLN:HG3	1.70	0.54
1:M:178:ILE:HA	1:M:241:LEU:O	2.07	0.54
1:M:180:TRP:CE3	1:M:243:VAL:HB	2.42	0.54
1:M:372:LEU:O	1:M:375:PHE:HD2	1.91	0.54
1:M:399:MET:O	1:M:402:VAL:HG22	2.08	0.54
1:N:124:ASN:C	1:N:300:LEU:HB2	2.27	0.54
1:N:178:ILE:HA	1:N:241:LEU:O	2.07	0.54
1:N:204:ASP:OD2	1:N:235:LYS:HE2	2.07	0.54
1:N:314:ARG:NE	1:N:341:TRP:HH2	2.05	0.54
1:O:27:PHE:O	1:O:30:LYS:HE2	2.07	0.54
1:O:121:ALA:HA	3:O:1402:DTP:H2	1.89	0.54
1:O:170:VAL:O	1:O:174:MET:HE2	2.07	0.54
1:O:181:LEU:HD11	1:O:199:LEU:HD23	1.90	0.54
1:O:372:LEU:O	1:O:375:PHE:HD2	1.91	0.54
1:O:399:MET:O	1:O:402:VAL:HG22	2.08	0.54
1:P:11:GLN:CG	1:P:106:TYR:HD2	2.14	0.54
1:P:125:VAL:O	1:P:125:VAL:HG13	2.08	0.54
1:P:391:PHE:CD1	1:P:394:ILE:HA	2.42	0.54
1:P:492:LEU:O	1:P:561:LEU:HD21	2.07	0.54
1:A:87:PHE:CB	1:I:19:PHE:HZ	2.13	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:135:ARG:HE	1:A:136:GLN:HG3	1.70	0.54
1:A:372:LEU:O	1:A:375:PHE:HD2	1.91	0.54
1:B:242:LEU:C	1:B:262:ILE:HD13	2.28	0.54
1:B:302:LEU:HD13	1:B:302:LEU:C	2.27	0.54
1:B:314:ARG:NE	1:B:341:TRP:HH2	2.05	0.54
1:C:23:PHE:CE2	1:C:85:TYR:CZ	2.95	0.54
1:C:322:ARG:HE	1:C:349:LEU:HG	1.72	0.54
1:D:192:VAL:HG11	1:D:251:LYS:CD	2.36	0.54
1:D:302:LEU:HD13	1:D:302:LEU:C	2.27	0.54
1:D:399:MET:O	1:D:402:VAL:HG22	2.07	0.54
1:E:181:LEU:HD11	1:E:199:LEU:HD23	1.90	0.54
1:E:268:PHE:CZ	1:E:407:LYS:HB2	2.42	0.54
1:E:399:MET:O	1:E:402:VAL:HG22	2.08	0.54
1:E:475:LEU:CA	1:E:478:ILE:HG12	2.34	0.54
1:F:27:PHE:HA	1:F:30:LYS:HD3	1.88	0.54
1:F:372:LEU:O	1:F:375:PHE:HD2	1.91	0.54
1:G:27:PHE:O	1:G:30:LYS:HE2	2.07	0.54
1:G:181:LEU:HD11	1:G:199:LEU:HD23	1.90	0.54
1:G:204:ASP:OD2	1:G:235:LYS:HE2	2.07	0.54
1:G:314:ARG:NE	1:G:341:TRP:HH2	2.05	0.54
1:G:372:LEU:O	1:G:375:PHE:HD2	1.91	0.54
1:G:399:MET:O	1:G:402:VAL:HG22	2.08	0.54
1:H:135:ARG:HE	1:H:136:GLN:HG3	1.70	0.54
1:H:314:ARG:NE	1:H:341:TRP:HH2	2.05	0.54
1:H:372:LEU:O	1:H:375:PHE:HD2	1.91	0.54
1:H:475:LEU:HD22	1:H:482:GLU:CB	2.36	0.54
1:H:542:ILE:HD12	1:H:542:ILE:C	2.28	0.54
1:I:125:VAL:HG23	1:I:296:GLU:HB3	1.89	0.54
1:I:181:LEU:HD11	1:I:199:LEU:HD23	1.90	0.54
1:I:314:ARG:NE	1:I:341:TRP:HH2	2.05	0.54
1:I:390:TRP:CE2	1:I:402:VAL:CG1	2.90	0.54
1:I:391:PHE:CD1	1:I:394:ILE:HA	2.42	0.54
1:J:302:LEU:HD13	1:J:302:LEU:C	2.27	0.54
1:J:314:ARG:NE	1:J:341:TRP:HH2	2.05	0.54
1:K:23:PHE:CE2	1:K:85:TYR:CZ	2.95	0.54
1:K:125:VAL:HG23	1:K:296:GLU:HB3	1.89	0.54
1:K:180:TRP:CE3	1:K:243:VAL:HB	2.42	0.54
1:K:204:ASP:OD2	1:K:235:LYS:HE2	2.07	0.54
1:K:322:ARG:HE	1:K:349:LEU:HG	1.72	0.54
1:L:242:LEU:C	1:L:262:ILE:HD13	2.28	0.54
1:L:475:LEU:HD22	1:L:478:ILE:HD11	1.89	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:121:ALA:HA	3:M:1402:DTP:H2	1.89	0.54
1:M:542:ILE:HD12	1:M:542:ILE:C	2.28	0.54
1:N:113:LEU:HB2	1:N:166:LEU:HD11	1.90	0.54
1:N:125:VAL:O	1:N:125:VAL:HG13	2.08	0.54
1:N:322:ARG:HH21	1:N:349:LEU:CD1	2.20	0.54
1:N:372:LEU:O	1:N:375:PHE:HD2	1.91	0.54
1:O:27:PHE:HA	1:O:30:LYS:HD3	1.88	0.54
1:O:138:LEU:HD12	1:O:263:LEU:CD2	2.36	0.54
1:P:27:PHE:O	1:P:30:LYS:HE2	2.07	0.54
1:P:35:MET:CG	1:P:40:LEU:HD22	2.32	0.54
1:P:372:LEU:O	1:P:375:PHE:HD2	1.91	0.54
1:P:399:MET:O	1:P:402:VAL:HG22	2.07	0.54
1:P:487:PHE:O	1:P:488:ARG:HB2	2.05	0.54
1:A:180:TRP:CE3	1:A:243:VAL:HB	2.42	0.54
1:A:542:ILE:HD12	1:A:542:ILE:C	2.28	0.54
1:B:372:LEU:O	1:B:375:PHE:HD2	1.91	0.54
1:B:475:LEU:HD22	1:B:478:ILE:HD11	1.89	0.54
1:B:542:ILE:HD12	1:B:542:ILE:C	2.28	0.54
1:C:27:PHE:O	1:C:30:LYS:HE2	2.07	0.54
1:C:125:VAL:HG23	1:C:296:GLU:HB3	1.89	0.54
1:C:180:TRP:CE3	1:C:243:VAL:HB	2.42	0.54
1:C:322:ARG:HH21	1:C:349:LEU:CD1	2.20	0.54
1:C:450:PRO:HG2	1:C:471:ILE:HD13	1.87	0.54
1:D:19:PHE:HE2	1:L:87:PHE:CB	2.08	0.54
1:D:329:GLU:OE2	1:D:332:ARG:HD2	2.08	0.54
1:E:125:VAL:HG23	1:E:296:GLU:HB3	1.89	0.54
1:E:302:LEU:HD13	1:E:302:LEU:C	2.27	0.54
1:E:314:ARG:NE	1:E:341:TRP:HH2	2.05	0.54
1:E:420:ILE:O	1:E:420:ILE:HG13	2.07	0.54
1:F:322:ARG:HH21	1:F:349:LEU:CD1	2.20	0.54
1:F:399:MET:O	1:F:402:VAL:HG22	2.07	0.54
1:G:23:PHE:CE2	1:G:85:TYR:CZ	2.95	0.54
1:H:120:PHE:CD2	1:H:122:LYS:HD3	2.43	0.54
1:H:124:ASN:C	1:H:300:LEU:HB2	2.27	0.54
1:H:180:TRP:CE3	1:H:243:VAL:HB	2.42	0.54
1:I:268:PHE:CZ	1:I:407:LYS:HB2	2.42	0.54
1:I:302:LEU:HD13	1:I:302:LEU:C	2.27	0.54
1:I:475:LEU:CA	1:I:478:ILE:HG12	2.34	0.54
1:J:372:LEU:O	1:J:375:PHE:HD2	1.91	0.54
1:J:399:MET:O	1:J:402:VAL:HG22	2.07	0.54
1:K:27:PHE:HB2	1:K:30:LYS:NZ	2.23	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:170:VAL:O	1:K:174:MET:HE2	2.06	0.54
1:K:196:LEU:HD13	1:K:224:ILE:HG21	1.88	0.54
1:K:314:ARG:NE	1:K:341:TRP:HH2	2.05	0.54
1:K:322:ARG:HH21	1:K:349:LEU:CD1	2.20	0.54
1:K:329:GLU:OE2	1:K:332:ARG:HD2	2.08	0.54
1:K:372:LEU:O	1:K:375:PHE:HD2	1.91	0.54
1:L:314:ARG:NE	1:L:341:TRP:HH2	2.05	0.54
1:L:372:LEU:O	1:L:375:PHE:HD2	1.91	0.54
1:L:542:ILE:HD12	1:L:542:ILE:C	2.28	0.54
1:N:10:TYR:CD2	1:N:106:TYR:HB3	2.41	0.54
1:N:120:PHE:CD2	1:N:122:LYS:HD3	2.43	0.54
1:N:152:VAL:HG21	1:N:410:LEU:CD1	2.35	0.54
1:N:180:TRP:CE3	1:N:243:VAL:HB	2.42	0.54
1:N:268:PHE:CZ	1:N:407:LYS:HB2	2.42	0.54
1:N:450:PRO:HG2	1:N:471:ILE:HD13	1.87	0.54
1:N:475:LEU:HD22	1:N:482:GLU:CB	2.36	0.54
1:N:492:LEU:O	1:N:561:LEU:HD21	2.07	0.54
1:N:542:ILE:HD12	1:N:542:ILE:C	2.28	0.54
1:O:23:PHE:CE2	1:O:85:TYR:CZ	2.95	0.54
1:O:314:ARG:NE	1:O:341:TRP:HH2	2.05	0.54
1:O:517:THR:HG21	1:O:546:LEU:HD21	1.85	0.54
1:P:492:LEU:HD12	1:P:577:ALA:CB	2.28	0.54
1:A:15:ILE:CD1	1:A:88:LEU:HD12	2.34	0.54
1:A:178:ILE:HA	1:A:241:LEU:O	2.07	0.54
1:A:179:PHE:CD1	1:A:242:LEU:HD21	2.43	0.54
1:A:475:LEU:HD22	1:A:482:GLU:CB	2.36	0.54
1:A:508:TRP:HD1	1:A:509:ASN:H	1.56	0.54
1:B:125:VAL:O	1:B:125:VAL:HG13	2.08	0.54
1:B:268:PHE:CZ	1:B:270:GLN:CB	2.91	0.54
1:C:27:PHE:HB2	1:C:30:LYS:NZ	2.23	0.54
1:C:120:PHE:CD2	1:C:122:LYS:HD3	2.43	0.54
1:C:268:PHE:CZ	1:C:270:GLN:CB	2.91	0.54
1:C:372:LEU:O	1:C:375:PHE:HD2	1.91	0.54
1:C:388:LEU:CD1	1:C:449:ILE:HG13	2.37	0.54
1:D:5:THR:HG21	1:D:73:VAL:CG1	2.37	0.54
1:D:180:TRP:CE3	1:D:243:VAL:HB	2.42	0.54
1:D:372:LEU:O	1:D:375:PHE:HD2	1.91	0.54
1:E:120:PHE:CE2	1:E:122:LYS:HD3	2.42	0.54
1:E:204:ASP:OD2	1:E:235:LYS:HE2	2.07	0.54
1:E:308:ARG:HB3	1:E:309:PRO:HD2	1.88	0.54
1:E:372:LEU:O	1:E:375:PHE:HD2	1.91	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:414:GLN:HB3	1:E:420:ILE:HG22	1.90	0.54
1:F:11:GLN:CG	1:F:106:TYR:HD2	2.14	0.54
1:F:27:PHE:O	1:F:30:LYS:HE2	2.07	0.54
1:F:129:GLN:CB	1:F:130:PRO:HD3	2.33	0.54
1:F:204:ASP:OD2	1:F:235:LYS:HE2	2.07	0.54
1:F:278:ALA:CB	1:G:119:VAL:HG22	2.36	0.54
1:F:291:THR:HG23	1:F:291:THR:O	2.08	0.54
1:G:138:LEU:HD12	1:G:263:LEU:CD2	2.36	0.54
1:G:217:ILE:O	1:G:221:ILE:HD12	2.08	0.54
1:H:8:HIS:HE1	1:H:98:GLN:HB3	1.72	0.54
1:H:125:VAL:O	1:H:125:VAL:HG13	2.08	0.54
1:H:152:VAL:HG12	1:H:153:LEU:N	2.22	0.54
1:H:242:LEU:HB2	1:H:262:ILE:HD11	1.90	0.54
1:H:268:PHE:CZ	1:H:407:LYS:HB2	2.42	0.54
1:H:490:VAL:O	1:H:576:GLU:HB2	2.08	0.54
1:H:492:LEU:O	1:H:561:LEU:HD21	2.07	0.54
1:I:150:ASP:CA	1:I:287:HIS:HB3	2.36	0.54
1:I:242:LEU:C	1:I:262:ILE:HD13	2.28	0.54
1:I:308:ARG:HB3	1:I:309:PRO:HD2	1.88	0.54
1:I:372:LEU:O	1:I:375:PHE:HD2	1.91	0.54
1:J:5:THR:HG21	1:J:73:VAL:CG1	2.37	0.54
1:J:308:ARG:HB3	1:J:309:PRO:HD2	1.88	0.54
1:J:329:GLU:OE2	1:J:332:ARG:HD2	2.08	0.54
1:K:268:PHE:CZ	1:K:270:GLN:CB	2.91	0.54
1:K:268:PHE:CZ	1:K:407:LYS:HB2	2.42	0.54
1:L:120:PHE:CE2	1:L:122:LYS:HD3	2.42	0.54
1:L:241:LEU:HD13	1:L:261:LYS:CE	2.34	0.54
1:L:268:PHE:CZ	1:L:270:GLN:CB	2.91	0.54
1:M:125:VAL:N	1:M:300:LEU:HB2	2.23	0.54
1:M:508:TRP:HD1	1:M:509:ASN:H	1.56	0.54
1:N:135:ARG:HE	1:N:136:GLN:HG3	1.70	0.54
1:N:152:VAL:HG12	1:N:153:LEU:N	2.22	0.54
1:N:242:LEU:HB2	1:N:262:ILE:HD11	1.90	0.54
1:N:349:LEU:HD12	1:N:349:LEU:N	2.21	0.54
1:N:508:TRP:HD1	1:N:509:ASN:H	1.56	0.54
1:O:113:LEU:HB2	1:O:166:LEU:HD11	1.90	0.54
1:O:204:ASP:OD2	1:O:235:LYS:HE2	2.07	0.54
1:P:121:ALA:HA	3:P:1402:DTP:H2	1.89	0.54
1:P:204:ASP:OD2	1:P:235:LYS:HE2	2.07	0.54
1:A:125:VAL:N	1:A:300:LEU:HB2	2.23	0.54
1:A:268:PHE:CZ	1:A:270:GLN:CB	2.91	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:69:GLN:CD	1:B:69:GLN:H	2.10	0.54
1:B:120:PHE:CE2	1:B:122:LYS:HD3	2.42	0.54
1:C:170:VAL:O	1:C:174:MET:HE2	2.06	0.54
1:C:179:PHE:CD1	1:C:242:LEU:HD21	2.43	0.54
1:C:268:PHE:CZ	1:C:407:LYS:HB2	2.42	0.54
1:C:314:ARG:NE	1:C:341:TRP:HH2	2.05	0.54
1:C:329:GLU:OE2	1:C:332:ARG:HD2	2.08	0.54
1:C:390:TRP:CE2	1:C:402:VAL:CG1	2.90	0.54
1:D:414:GLN:HB3	1:D:420:ILE:HG22	1.90	0.54
1:E:146:ASN:HB2	1:E:275:LEU:HD11	1.89	0.54
1:E:150:ASP:CA	1:E:287:HIS:HB3	2.36	0.54
1:F:120:PHE:CD2	1:F:122:LYS:HD3	2.43	0.54
1:F:150:ASP:O	1:F:287:HIS:HB3	2.06	0.54
1:F:414:GLN:HB3	1:F:420:ILE:HG22	1.90	0.54
1:G:475:LEU:HD22	1:G:478:ILE:HD11	1.89	0.54
1:H:10:TYR:CD2	1:H:106:TYR:HB3	2.41	0.54
1:H:27:PHE:HA	1:H:30:LYS:HD3	1.88	0.54
1:H:349:LEU:HD12	1:H:349:LEU:N	2.21	0.54
1:H:420:ILE:O	1:H:420:ILE:HG13	2.07	0.54
1:H:450:PRO:HG2	1:H:471:ILE:HD13	1.87	0.54
1:I:120:PHE:CE2	1:I:122:LYS:HD3	2.42	0.54
1:I:146:ASN:HB2	1:I:275:LEU:HD11	1.89	0.54
1:I:180:TRP:CE3	1:I:243:VAL:HB	2.42	0.54
1:I:322:ARG:HE	1:I:349:LEU:HG	1.72	0.54
1:I:414:GLN:HB3	1:I:420:ILE:HG22	1.90	0.54
1:J:180:TRP:CE3	1:J:243:VAL:HB	2.42	0.54
1:J:420:ILE:O	1:J:420:ILE:HG13	2.07	0.54
1:K:39:ILE:HD13	1:K:75:LYS:HB3	1.87	0.54
1:K:179:PHE:CD1	1:K:242:LEU:HD21	2.43	0.54
1:K:388:LEU:CD1	1:K:449:ILE:HG13	2.37	0.54
1:K:390:TRP:CE2	1:K:402:VAL:CG1	2.90	0.54
1:K:399:MET:O	1:K:402:VAL:HG22	2.08	0.54
1:L:55:VAL:HG11	1:L:132:LEU:CD1	2.35	0.54
1:L:69:GLN:CD	1:L:69:GLN:H	2.10	0.54
1:L:217:ILE:O	1:L:221:ILE:HD12	2.08	0.54
1:L:308:ARG:HB3	1:L:309:PRO:HD2	1.88	0.54
1:L:390:TRP:CE2	1:L:402:VAL:CG1	2.90	0.54
1:M:15:ILE:CD1	1:M:88:LEU:HD12	2.34	0.54
1:M:179:PHE:CD1	1:M:242:LEU:HD21	2.43	0.54
1:N:8:HIS:HE1	1:N:98:GLN:HB3	1.72	0.54
1:N:420:ILE:O	1:N:420:ILE:HG13	2.07	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:490:VAL:O	1:N:576:GLU:HB2	2.08	0.54
1:O:119:VAL:HG22	1:P:278:ALA:CB	2.36	0.54
1:O:125:VAL:HG23	1:O:296:GLU:HB3	1.89	0.54
1:O:125:VAL:N	1:O:300:LEU:HB2	2.23	0.54
1:O:217:ILE:O	1:O:221:ILE:HD12	2.08	0.54
1:O:291:THR:O	1:O:291:THR:HG23	2.08	0.54
1:O:475:LEU:HD22	1:O:478:ILE:HD11	1.89	0.54
1:O:490:VAL:O	1:O:576:GLU:HB2	2.08	0.54
1:P:120:PHE:CD2	1:P:122:LYS:HD3	2.43	0.54
1:P:291:THR:O	1:P:291:THR:HG23	2.08	0.54
1:P:322:ARG:HH21	1:P:349:LEU:CD1	2.20	0.54
1:A:85:TYR:CD2	1:A:88:LEU:HD23	2.43	0.54
1:A:125:VAL:O	1:A:125:VAL:HG13	2.08	0.54
1:B:27:PHE:HA	1:B:30:LYS:HD3	1.88	0.54
1:B:120:PHE:CD2	1:B:122:LYS:HD3	2.43	0.54
1:B:125:VAL:HG23	1:B:296:GLU:HB3	1.89	0.54
1:B:125:VAL:N	1:B:300:LEU:HB2	2.23	0.54
1:B:217:ILE:O	1:B:221:ILE:HD12	2.08	0.54
1:B:308:ARG:HB3	1:B:309:PRO:HD2	1.88	0.54
1:B:626:UNK:C	1:B:652:UNK:HA	2.38	0.54
1:C:69:GLN:CD	1:C:69:GLN:H	2.10	0.54
1:C:196:LEU:HD13	1:C:224:ILE:HG21	1.88	0.54
1:C:399:MET:O	1:C:402:VAL:HG22	2.08	0.54
1:D:63:TRP:HE1	1:D:124:ASN:HD21	1.56	0.54
1:D:125:VAL:HG23	1:D:296:GLU:HB3	1.89	0.54
1:D:308:ARG:HB3	1:D:309:PRO:HD2	1.88	0.54
1:D:387:SER:HB3	1:D:391:PHE:HE2	1.67	0.54
1:E:180:TRP:CE3	1:E:243:VAL:HB	2.42	0.54
1:E:242:LEU:C	1:E:262:ILE:HD13	2.28	0.54
1:E:322:ARG:HE	1:E:349:LEU:HG	1.72	0.54
1:E:357:LEU:HD21	1:E:366:ARG:HD3	1.90	0.54
1:F:113:LEU:HB2	1:F:166:LEU:HD11	1.90	0.54
1:F:121:ALA:HA	3:F:1402:DTP:H2	1.89	0.54
1:F:125:VAL:HG21	1:F:297:VAL:HG22	1.90	0.54
1:F:242:LEU:HB2	1:F:262:ILE:HD11	1.90	0.54
1:G:113:LEU:HB2	1:G:166:LEU:HD11	1.90	0.54
1:G:120:PHE:CD2	1:G:122:LYS:HD3	2.43	0.54
1:G:125:VAL:HG23	1:G:296:GLU:HB3	1.89	0.54
1:G:125:VAL:N	1:G:300:LEU:HB2	2.23	0.54
1:G:146:ASN:HB2	1:G:275:LEU:HD11	1.89	0.54
1:G:291:THR:O	1:G:291:THR:HG23	2.08	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:490:VAL:O	1:G:576:GLU:HB2	2.08	0.54
1:H:170:VAL:HG23	1:H:171:GLN:N	2.23	0.54
1:H:399:MET:O	1:H:402:VAL:HG22	2.07	0.54
1:H:508:TRP:HD1	1:H:509:ASN:H	1.56	0.54
1:I:204:ASP:OD2	1:I:235:LYS:HE2	2.07	0.54
1:J:63:TRP:HE1	1:J:124:ASN:HD21	1.56	0.54
1:J:414:GLN:HB3	1:J:420:ILE:HG22	1.90	0.54
1:J:428:GLU:HG2	1:J:432:LYS:HZ3	1.73	0.54
1:K:69:GLN:CD	1:K:69:GLN:H	2.10	0.54
1:K:120:PHE:CD2	1:K:122:LYS:HD3	2.43	0.54
1:K:450:PRO:HG2	1:K:471:ILE:HD13	1.87	0.54
1:K:479:GLU:CB	1:K:481:PRO:HD2	2.27	0.54
1:L:120:PHE:CD2	1:L:122:LYS:HD3	2.43	0.54
1:L:125:VAL:HG23	1:L:296:GLU:HB3	1.89	0.54
1:L:125:VAL:N	1:L:300:LEU:HB2	2.23	0.54
1:L:302:LEU:HD13	1:L:302:LEU:C	2.27	0.54
1:M:268:PHE:CZ	1:M:270:GLN:CB	2.91	0.54
1:M:475:LEU:HD22	1:M:482:GLU:CB	2.36	0.54
1:M:496:PHE:CE2	1:M:558:TYR:HD1	2.26	0.54
1:N:27:PHE:HA	1:N:30:LYS:HD3	1.88	0.54
1:O:55:VAL:HG11	1:O:132:LEU:CD1	2.35	0.54
1:O:120:PHE:CD2	1:O:122:LYS:HD3	2.43	0.54
1:O:322:ARG:HE	1:O:349:LEU:HG	1.72	0.54
1:O:329:GLU:OE2	1:O:332:ARG:HD2	2.08	0.54
1:P:125:VAL:HG21	1:P:297:VAL:HG22	1.90	0.54
1:P:150:ASP:O	1:P:287:HIS:HB3	2.06	0.54
1:P:228:LEU:CD2	1:P:232:LEU:HD13	2.31	0.54
1:P:329:GLU:OE2	1:P:332:ARG:HD2	2.08	0.54
1:A:217:ILE:O	1:A:221:ILE:HD12	2.08	0.54
1:A:496:PHE:CE2	1:A:558:TYR:HD1	2.26	0.54
1:B:55:VAL:HG11	1:B:132:LEU:CD1	2.35	0.54
1:B:180:TRP:CE3	1:B:243:VAL:HB	2.42	0.54
1:B:241:LEU:HD13	1:B:261:LYS:CE	2.34	0.54
1:B:390:TRP:CE2	1:B:402:VAL:CG1	2.90	0.54
1:C:81:LEU:HA	1:C:89:MET:HE2	1.89	0.54
1:D:5:THR:O	1:D:9:GLN:HG3	2.08	0.54
1:D:196:LEU:HD13	1:D:224:ILE:HG21	1.89	0.54
1:D:420:ILE:O	1:D:420:ILE:HG13	2.07	0.54
1:E:10:TYR:CD2	1:E:106:TYR:HB3	2.41	0.54
1:E:291:THR:O	1:E:291:THR:HG23	2.08	0.54
1:F:146:ASN:HB2	1:F:275:LEU:HD11	1.89	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:390:TRP:CE2	1:F:402:VAL:CG1	2.90	0.54
1:G:105:MET:HE2	1:G:106:TYR:CE1	2.43	0.54
1:G:492:LEU:O	1:G:561:LEU:HD21	2.07	0.54
1:H:85:TYR:CD2	1:H:88:LEU:HD23	2.43	0.54
1:H:291:THR:O	1:H:291:THR:HG23	2.08	0.54
1:H:388:LEU:CD1	1:H:449:ILE:HG13	2.37	0.54
1:H:496:PHE:CE2	1:H:558:TYR:HD1	2.26	0.54
1:I:179:PHE:CD1	1:I:242:LEU:HD21	2.43	0.54
1:I:329:GLU:OE2	1:I:332:ARG:HD2	2.08	0.54
1:I:357:LEU:HD21	1:I:366:ARG:HD3	1.90	0.54
1:I:488:ARG:CB	1:I:494:PHE:HB2	2.38	0.54
1:J:5:THR:O	1:J:9:GLN:HG3	2.08	0.54
1:J:170:VAL:HG23	1:J:171:GLN:N	2.23	0.54
1:J:390:TRP:CE2	1:J:402:VAL:CG1	2.90	0.54
1:L:27:PHE:HA	1:L:30:LYS:HD3	1.88	0.54
1:L:242:LEU:HB2	1:L:262:ILE:HD11	1.90	0.54
1:L:626:UNK:C	1:L:652:UNK:HA	2.38	0.54
1:M:85:TYR:CD2	1:M:88:LEU:HD23	2.43	0.54
1:M:125:VAL:O	1:M:125:VAL:HG13	2.08	0.54
1:N:85:TYR:CD2	1:N:88:LEU:HD23	2.43	0.54
1:N:170:VAL:HG23	1:N:171:GLN:N	2.23	0.54
1:N:257:ASN:OD1	1:N:279:THR:HG21	2.08	0.54
1:N:291:THR:HG23	1:N:291:THR:O	2.08	0.54
1:N:329:GLU:OE2	1:N:332:ARG:HD2	2.08	0.54
1:N:399:MET:O	1:N:402:VAL:HG22	2.07	0.54
1:N:496:PHE:CE2	1:N:558:TYR:HD1	2.26	0.54
1:O:492:LEU:O	1:O:561:LEU:HD21	2.07	0.54
1:P:113:LEU:HB2	1:P:166:LEU:HD11	1.90	0.54
1:P:179:PHE:CD1	1:P:242:LEU:HD21	2.43	0.54
1:P:242:LEU:HB2	1:P:262:ILE:HD11	1.90	0.54
1:P:390:TRP:CE2	1:P:402:VAL:CG1	2.90	0.54
1:P:414:GLN:HB3	1:P:420:ILE:HG22	1.90	0.54
1:A:115:ASN:HA	1:H:279:THR:CG2	2.38	0.54
1:A:490:VAL:O	1:A:576:GLU:HB2	2.08	0.54
1:B:85:TYR:CD2	1:B:88:LEU:HD23	2.43	0.54
1:B:179:PHE:CD1	1:B:242:LEU:HD21	2.43	0.54
1:B:242:LEU:HB2	1:B:262:ILE:HD11	1.90	0.54
1:B:322:ARG:HE	1:B:349:LEU:HG	1.72	0.54
1:B:329:GLU:OE2	1:B:332:ARG:HD2	2.08	0.54
1:B:399:MET:O	1:B:402:VAL:HG22	2.07	0.54
1:C:39:ILE:HD13	1:C:75:LYS:HB3	1.87	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:120:PHE:CE2	1:C:122:LYS:HD3	2.42	0.54
1:C:308:ARG:HB3	1:C:309:PRO:HD2	1.88	0.54
1:D:170:VAL:HG23	1:D:171:GLN:N	2.23	0.54
1:D:268:PHE:CZ	1:D:270:GLN:CB	2.91	0.54
1:D:390:TRP:CE2	1:D:402:VAL:CG1	2.90	0.54
1:E:85:TYR:CD2	1:E:88:LEU:HD23	2.43	0.54
1:E:152:VAL:HG12	1:E:153:LEU:N	2.22	0.54
1:E:179:PHE:CD1	1:E:242:LEU:HD21	2.43	0.54
1:E:200:LEU:HD13	1:E:208:THR:CG2	2.33	0.54
1:E:217:ILE:O	1:E:221:ILE:HD12	2.08	0.54
1:E:488:ARG:CB	1:E:494:PHE:HB2	2.38	0.54
1:F:85:TYR:CD2	1:F:88:LEU:HD23	2.43	0.54
1:F:179:PHE:CD1	1:F:242:LEU:HD21	2.43	0.54
1:F:329:GLU:OE2	1:F:332:ARG:HD2	2.08	0.54
1:F:459:ILE:HG23	1:F:497:LEU:HD12	1.90	0.54
1:F:476:LYS:HB2	1:F:527:TYR:HD1	1.68	0.54
1:F:546:LEU:O	1:F:549:ILE:HG22	2.08	0.54
1:G:33:GLN:O	1:G:36:PRO:CD	2.54	0.54
1:G:55:VAL:HG11	1:G:132:LEU:CD1	2.35	0.54
1:G:322:ARG:HE	1:G:349:LEU:HG	1.72	0.54
1:G:329:GLU:OE2	1:G:332:ARG:HD2	2.08	0.54
1:G:488:ARG:CB	1:G:494:PHE:HB2	2.38	0.54
1:G:496:PHE:CE2	1:G:558:TYR:HD1	2.26	0.54
1:H:125:VAL:N	1:H:300:LEU:HB2	2.23	0.54
1:H:257:ASN:OD1	1:H:279:THR:HG21	2.08	0.54
1:H:275:LEU:HD22	1:H:275:LEU:O	2.08	0.54
1:H:329:GLU:OE2	1:H:332:ARG:HD2	2.08	0.54
1:I:10:TYR:CD2	1:I:106:TYR:HB3	2.41	0.54
1:I:85:TYR:CD2	1:I:88:LEU:HD23	2.43	0.54
1:I:120:PHE:CD2	1:I:122:LYS:HD3	2.43	0.54
1:I:291:THR:O	1:I:291:THR:HG23	2.08	0.54
1:I:479:GLU:CB	1:I:481:PRO:HD2	2.27	0.54
1:J:39:ILE:HD13	1:J:75:LYS:HB3	1.87	0.54
1:J:125:VAL:HG23	1:J:296:GLU:HB3	1.89	0.54
1:J:196:LEU:HD13	1:J:224:ILE:HG21	1.89	0.54
1:L:10:TYR:CD2	1:L:106:TYR:HB3	2.41	0.54
1:L:35:MET:HE1	1:L:61:LEU:HD22	1.89	0.54
1:L:85:TYR:CD2	1:L:88:LEU:HD23	2.43	0.54
1:L:179:PHE:CD1	1:L:242:LEU:HD21	2.43	0.54
1:L:180:TRP:CE3	1:L:243:VAL:HB	2.42	0.54
1:L:496:PHE:CE2	1:L:558:TYR:HD1	2.26	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:115:ASN:HA	1:N:279:THR:CG2	2.38	0.54
1:M:217:ILE:O	1:M:221:ILE:HD12	2.08	0.54
1:M:490:VAL:O	1:M:576:GLU:HB2	2.08	0.54
1:M:546:LEU:O	1:M:549:ILE:HG22	2.08	0.54
1:N:123:TYR:CD1	1:N:304:TYR:CA	2.89	0.54
1:N:253:TRP:HZ2	1:N:266:THR:HG1	1.56	0.54
1:N:275:LEU:HD22	1:N:275:LEU:O	2.08	0.54
1:N:388:LEU:CD1	1:N:449:ILE:HG13	2.37	0.54
1:O:152:VAL:HG12	1:O:153:LEU:N	2.22	0.54
1:O:242:LEU:C	1:O:262:ILE:HD13	2.28	0.54
1:O:429:LEU:HD13	1:O:429:LEU:C	2.29	0.54
1:O:488:ARG:CB	1:O:494:PHE:HB2	2.38	0.54
1:O:496:PHE:CE2	1:O:558:TYR:HD1	2.26	0.54
1:P:146:ASN:HB2	1:P:275:LEU:HD11	1.89	0.54
1:P:257:ASN:OD1	1:P:279:THR:HG21	2.08	0.54
1:P:459:ILE:HG23	1:P:497:LEU:HD12	1.90	0.54
1:P:546:LEU:O	1:P:549:ILE:HG22	2.08	0.54
1:A:257:ASN:CG	1:A:279:THR:HG23	2.29	0.53
1:A:488:ARG:CB	1:A:494:PHE:HB2	2.38	0.53
1:A:546:LEU:O	1:A:549:ILE:HG22	2.09	0.53
1:B:279:THR:CG2	1:C:115:ASN:HA	2.38	0.53
1:B:291:THR:HG23	1:B:291:THR:O	2.08	0.53
1:B:546:LEU:O	1:B:549:ILE:HG22	2.08	0.53
1:C:152:VAL:HG12	1:C:153:LEU:N	2.22	0.53
1:C:291:THR:O	1:C:291:THR:HG23	2.08	0.53
1:C:479:GLU:CB	1:C:481:PRO:HD2	2.27	0.53
1:D:120:PHE:CE2	1:D:122:LYS:HD3	2.42	0.53
1:D:120:PHE:O	1:D:121:ALA:HB2	2.08	0.53
1:D:279:THR:CG2	1:E:115:ASN:HA	2.38	0.53
1:E:120:PHE:CD2	1:E:122:LYS:HD3	2.43	0.53
1:E:125:VAL:N	1:E:300:LEU:HB2	2.23	0.53
1:E:329:GLU:OE2	1:E:332:ARG:HD2	2.08	0.53
1:F:228:LEU:CD2	1:F:232:LEU:HD13	2.31	0.53
1:F:257:ASN:OD1	1:F:279:THR:HG21	2.08	0.53
1:F:388:LEU:CD1	1:F:449:ILE:HG13	2.37	0.53
1:F:488:ARG:CB	1:F:494:PHE:HB2	2.38	0.53
1:G:5:THR:O	1:G:9:GLN:HG3	2.08	0.53
1:G:257:ASN:CG	1:G:279:THR:HG23	2.29	0.53
1:G:278:ALA:CB	1:H:119:VAL:HG22	2.36	0.53
1:G:429:LEU:HD13	1:G:429:LEU:C	2.29	0.53
1:H:27:PHE:HB2	1:H:30:LYS:NZ	2.23	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:123:TYR:CD1	1:H:304:TYR:CA	2.89	0.53
1:H:488:ARG:CB	1:H:494:PHE:HB2	2.38	0.53
1:I:39:ILE:HD13	1:I:75:LYS:HB3	1.87	0.53
1:I:152:VAL:HG12	1:I:153:LEU:N	2.22	0.53
1:I:217:ILE:O	1:I:221:ILE:HD12	2.08	0.53
1:I:268:PHE:CZ	1:I:270:GLN:CB	2.91	0.53
1:J:268:PHE:CZ	1:J:270:GLN:CB	2.91	0.53
1:J:429:LEU:HD13	1:J:429:LEU:C	2.29	0.53
1:K:115:ASN:HA	1:L:279:THR:CG2	2.38	0.53
1:K:308:ARG:HB3	1:K:309:PRO:HD2	1.88	0.53
1:K:326:ILE:CG1	1:K:348:LYS:HB2	2.39	0.53
1:K:488:ARG:CB	1:K:494:PHE:HB2	2.38	0.53
1:L:63:TRP:HE1	1:L:124:ASN:HD21	1.56	0.53
1:L:268:PHE:CZ	1:L:407:LYS:HB2	2.42	0.53
1:L:491:PHE:HA	1:L:576:GLU:CG	2.36	0.53
1:L:546:LEU:O	1:L:549:ILE:HG22	2.08	0.53
1:M:27:PHE:HB2	1:M:30:LYS:NZ	2.23	0.53
1:M:257:ASN:CG	1:M:279:THR:HG23	2.29	0.53
1:M:429:LEU:HD13	1:M:429:LEU:C	2.29	0.53
1:N:125:VAL:N	1:N:300:LEU:HB2	2.23	0.53
1:N:217:ILE:O	1:N:221:ILE:HD12	2.08	0.53
1:N:488:ARG:CB	1:N:494:PHE:HB2	2.38	0.53
1:O:5:THR:O	1:O:9:GLN:HG3	2.08	0.53
1:O:33:GLN:O	1:O:36:PRO:CD	2.54	0.53
1:O:146:ASN:HB2	1:O:275:LEU:HD11	1.89	0.53
1:O:257:ASN:CG	1:O:279:THR:HG23	2.29	0.53
1:P:85:TYR:CD2	1:P:88:LEU:HD23	2.43	0.53
1:A:27:PHE:HB2	1:A:30:LYS:NZ	2.23	0.53
1:A:275:LEU:HD22	1:A:275:LEU:O	2.08	0.53
1:B:10:TYR:CD2	1:B:106:TYR:HB3	2.41	0.53
1:B:63:TRP:HE1	1:B:124:ASN:HD21	1.56	0.53
1:B:268:PHE:CZ	1:B:407:LYS:HB2	2.42	0.53
1:B:429:LEU:HD13	1:B:429:LEU:C	2.29	0.53
1:B:491:PHE:HA	1:B:576:GLU:CG	2.36	0.53
1:C:85:TYR:CD2	1:C:88:LEU:HD23	2.43	0.53
1:C:120:PHE:O	1:C:121:ALA:HB2	2.08	0.53
1:C:217:ILE:O	1:C:221:ILE:HD12	2.08	0.53
1:C:326:ILE:CG1	1:C:348:LYS:HB2	2.39	0.53
1:C:488:ARG:CB	1:C:494:PHE:HB2	2.38	0.53
1:D:242:LEU:HB2	1:D:262:ILE:HD11	1.90	0.53
1:D:291:THR:O	1:D:291:THR:HG23	2.08	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:429:LEU:HD13	1:D:429:LEU:C	2.29	0.53
1:E:5:THR:O	1:E:9:GLN:HG3	2.08	0.53
1:E:130:PRO:HG2	1:E:292:LEU:HD23	1.91	0.53
1:E:268:PHE:CZ	1:E:270:GLN:CB	2.91	0.53
1:F:302:LEU:HD13	1:F:302:LEU:C	2.27	0.53
1:F:331:ILE:HD11	1:F:340:ASN:ND2	2.24	0.53
1:F:357:LEU:HD21	1:F:366:ARG:HD3	1.90	0.53
1:F:429:LEU:HD13	1:F:429:LEU:C	2.29	0.53
1:F:496:PHE:CE2	1:F:558:TYR:HD1	2.26	0.53
1:G:27:PHE:HB2	1:G:30:LYS:NZ	2.23	0.53
1:G:152:VAL:HG12	1:G:153:LEU:N	2.22	0.53
1:G:179:PHE:CD1	1:G:242:LEU:HD21	2.43	0.53
1:G:242:LEU:C	1:G:262:ILE:HD13	2.28	0.53
1:H:179:PHE:CD1	1:H:242:LEU:HD21	2.43	0.53
1:H:217:ILE:O	1:H:221:ILE:HD12	2.08	0.53
1:H:257:ASN:CG	1:H:279:THR:HG23	2.29	0.53
1:I:5:THR:O	1:I:9:GLN:HG3	2.08	0.53
1:I:115:ASN:HA	1:J:279:THR:CG2	2.38	0.53
1:I:125:VAL:O	1:I:125:VAL:HG13	2.08	0.53
1:I:130:PRO:HG2	1:I:292:LEU:HD23	1.91	0.53
1:I:200:LEU:HD13	1:I:208:THR:CG2	2.33	0.53
1:J:120:PHE:CE2	1:J:122:LYS:HD3	2.42	0.53
1:J:120:PHE:O	1:J:121:ALA:HB2	2.08	0.53
1:J:484:MET:HA	1:J:489:MET:HE1	1.91	0.53
1:K:11:GLN:CG	1:K:106:TYR:HD2	2.14	0.53
1:K:120:PHE:CE2	1:K:122:LYS:HD3	2.42	0.53
1:K:152:VAL:HG12	1:K:153:LEU:N	2.22	0.53
1:K:291:THR:O	1:K:291:THR:HG23	2.08	0.53
1:L:291:THR:O	1:L:291:THR:HG23	2.08	0.53
1:L:322:ARG:HE	1:L:349:LEU:HG	1.72	0.53
1:L:329:GLU:OE2	1:L:332:ARG:HD2	2.08	0.53
1:L:399:MET:O	1:L:402:VAL:HG22	2.07	0.53
1:L:429:LEU:HD13	1:L:429:LEU:C	2.29	0.53
1:L:1095:UNK:O	1:L:1110:UNK:HA	2.08	0.53
1:M:228:LEU:CD2	1:M:232:LEU:HD13	2.31	0.53
1:M:275:LEU:HD22	1:M:275:LEU:O	2.08	0.53
1:M:488:ARG:CB	1:M:494:PHE:HB2	2.38	0.53
1:M:626:UNK:C	1:M:652:UNK:HA	2.38	0.53
1:N:27:PHE:HB2	1:N:30:LYS:NZ	2.23	0.53
1:N:257:ASN:CG	1:N:279:THR:HG23	2.29	0.53
1:O:27:PHE:HB2	1:O:30:LYS:NZ	2.23	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:5:THR:O	1:P:9:GLN:HG3	2.08	0.53
1:P:39:ILE:HD13	1:P:75:LYS:HB3	1.87	0.53
1:P:125:VAL:N	1:P:300:LEU:HB2	2.23	0.53
1:P:331:ILE:HD11	1:P:340:ASN:ND2	2.24	0.53
1:P:357:LEU:HD21	1:P:366:ARG:HD3	1.90	0.53
1:P:429:LEU:HD13	1:P:429:LEU:C	2.29	0.53
1:P:476:LYS:HB2	1:P:527:TYR:HD1	1.68	0.53
1:P:484:MET:HA	1:P:489:MET:HE3	1.90	0.53
1:P:488:ARG:CB	1:P:494:PHE:HB2	2.38	0.53
1:A:120:PHE:CD2	1:A:122:LYS:HD3	2.43	0.53
1:A:178:ILE:HG12	1:A:241:LEU:O	2.08	0.53
1:A:420:ILE:O	1:A:420:ILE:HG13	2.07	0.53
1:A:429:LEU:HD13	1:A:429:LEU:C	2.29	0.53
1:B:257:ASN:CG	1:B:279:THR:HG23	2.29	0.53
1:B:468:TYR:OH	1:B:501:ILE:HG21	2.09	0.53
1:B:1095:UNK:O	1:B:1110:UNK:HA	2.08	0.53
1:C:170:VAL:HG23	1:C:171:GLN:N	2.23	0.53
1:C:468:TYR:OH	1:C:501:ILE:HG21	2.08	0.53
1:D:39:ILE:HD13	1:D:75:LYS:HB3	1.87	0.53
1:D:113:LEU:HB2	1:D:166:LEU:HD11	1.90	0.53
1:D:322:ARG:HE	1:D:349:LEU:HG	1.72	0.53
1:D:484:MET:HA	1:D:489:MET:HE1	1.91	0.53
1:D:492:LEU:HD13	1:D:561:LEU:HG	1.91	0.53
1:E:125:VAL:O	1:E:125:VAL:HG13	2.08	0.53
1:E:492:LEU:HD13	1:E:561:LEU:HG	1.91	0.53
1:F:80:VAL:HG22	1:F:85:TYR:HB3	1.90	0.53
1:F:125:VAL:N	1:F:300:LEU:HB2	2.23	0.53
1:F:152:VAL:HG12	1:F:153:LEU:N	2.22	0.53
1:F:178:ILE:HG12	1:F:241:LEU:O	2.08	0.53
1:F:484:MET:HA	1:F:489:MET:HE3	1.90	0.53
1:F:626:UNK:C	1:F:652:UNK:HA	2.38	0.53
1:G:275:LEU:HD22	1:G:275:LEU:O	2.08	0.53
1:G:414:GLN:HB3	1:G:420:ILE:HG22	1.90	0.53
1:H:39:ILE:HG22	1:H:40:LEU:N	2.24	0.53
1:H:268:PHE:CZ	1:H:270:GLN:CB	2.91	0.53
1:H:326:ILE:CG1	1:H:348:LYS:HB2	2.39	0.53
1:I:125:VAL:N	1:I:300:LEU:HB2	2.23	0.53
1:I:492:LEU:HD13	1:I:561:LEU:HG	1.91	0.53
1:J:242:LEU:HB2	1:J:262:ILE:HD11	1.90	0.53
1:J:291:THR:HG23	1:J:291:THR:O	2.08	0.53
1:J:492:LEU:HD13	1:J:561:LEU:HG	1.91	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:85:TYR:CD2	1:K:88:LEU:HD23	2.43	0.53
1:K:120:PHE:O	1:K:121:ALA:HB2	2.08	0.53
1:K:170:VAL:HG23	1:K:171:GLN:N	2.23	0.53
1:K:217:ILE:O	1:K:221:ILE:HD12	2.08	0.53
1:K:242:LEU:C	1:K:262:ILE:HD13	2.28	0.53
1:K:475:LEU:HD22	1:K:478:ILE:HD11	1.89	0.53
1:L:257:ASN:CG	1:L:279:THR:HG23	2.29	0.53
1:M:178:ILE:HG12	1:M:241:LEU:O	2.08	0.53
1:M:181:LEU:HD11	1:M:199:LEU:HD23	1.90	0.53
1:M:242:LEU:C	1:M:262:ILE:HD13	2.28	0.53
1:M:420:ILE:O	1:M:420:ILE:HG13	2.07	0.53
1:N:119:VAL:HG22	1:O:278:ALA:CB	2.36	0.53
1:N:121:ALA:HA	3:N:1402:DTP:H2	1.89	0.53
1:N:268:PHE:CZ	1:N:270:GLN:CB	2.91	0.53
1:N:326:ILE:CG1	1:N:348:LYS:HB2	2.39	0.53
1:O:179:PHE:CD1	1:O:242:LEU:HD21	2.43	0.53
1:O:546:LEU:O	1:O:549:ILE:HG22	2.08	0.53
1:P:10:TYR:CD2	1:P:106:TYR:HB3	2.41	0.53
1:P:80:VAL:HG22	1:P:85:TYR:HB3	1.90	0.53
1:P:152:VAL:HG12	1:P:153:LEU:N	2.22	0.53
1:P:178:ILE:HG12	1:P:241:LEU:O	2.08	0.53
1:P:217:ILE:O	1:P:221:ILE:HD12	2.08	0.53
1:P:268:PHE:CZ	1:P:407:LYS:HB2	2.42	0.53
1:P:302:LEU:HD13	1:P:302:LEU:C	2.27	0.53
1:P:388:LEU:CD1	1:P:449:ILE:HG13	2.37	0.53
1:A:181:LEU:HD11	1:A:199:LEU:HD23	1.90	0.53
1:A:242:LEU:HB2	1:A:262:ILE:HD11	1.90	0.53
1:A:626:UNK:C	1:A:652:UNK:HA	2.38	0.53
1:B:253:TRP:HZ2	1:B:266:THR:HG1	1.56	0.53
1:B:420:ILE:O	1:B:420:ILE:HG13	2.07	0.53
1:C:414:GLN:HB3	1:C:420:ILE:HG22	1.90	0.53
1:C:420:ILE:O	1:C:420:ILE:HG13	2.07	0.53
1:C:475:LEU:HD22	1:C:478:ILE:HD11	1.89	0.53
1:D:152:VAL:HG12	1:D:153:LEU:N	2.22	0.53
1:D:179:PHE:CD1	1:D:242:LEU:HD21	2.43	0.53
1:D:488:ARG:CB	1:D:494:PHE:HB2	2.38	0.53
1:E:39:ILE:HD13	1:E:75:LYS:HB3	1.87	0.53
1:E:50:MET:HE3	1:E:60:ARG:HH12	1.73	0.53
1:E:105:MET:HE2	1:E:106:TYR:CE1	2.43	0.53
1:E:279:THR:CG2	1:F:115:ASN:HA	2.38	0.53
1:E:429:LEU:HD13	1:E:429:LEU:C	2.29	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:475:LEU:HD22	1:E:482:GLU:CB	2.36	0.53
1:E:479:GLU:CB	1:E:481:PRO:HD2	2.27	0.53
1:F:5:THR:O	1:F:9:GLN:HG3	2.08	0.53
1:F:125:VAL:HG23	1:F:296:GLU:HB3	1.89	0.53
1:F:217:ILE:O	1:F:221:ILE:HD12	2.08	0.53
1:F:268:PHE:CZ	1:F:407:LYS:HB2	2.42	0.53
1:F:279:THR:CG2	1:G:115:ASN:HA	2.38	0.53
1:F:349:LEU:HD23	1:F:426:TYR:CE1	2.43	0.53
1:F:542:ILE:HD12	1:F:542:ILE:C	2.28	0.53
1:G:5:THR:HG21	1:G:73:VAL:CG1	2.37	0.53
1:G:125:VAL:O	1:G:125:VAL:HG13	2.08	0.53
1:G:125:VAL:HG21	1:G:297:VAL:HG22	1.90	0.53
1:G:476:LYS:HD2	1:G:527:TYR:HA	1.91	0.53
1:G:546:LEU:O	1:G:549:ILE:HG22	2.09	0.53
1:H:5:THR:O	1:H:9:GLN:HG3	2.08	0.53
1:H:349:LEU:HD23	1:H:426:TYR:CE1	2.43	0.53
1:H:429:LEU:HD13	1:H:429:LEU:C	2.29	0.53
1:I:242:LEU:HB2	1:I:262:ILE:HD11	1.90	0.53
1:J:113:LEU:HB2	1:J:166:LEU:HD11	1.90	0.53
1:J:217:ILE:O	1:J:221:ILE:HD12	2.08	0.53
1:J:322:ARG:HE	1:J:349:LEU:HG	1.72	0.53
1:J:626:UNK:C	1:J:652:UNK:HA	2.38	0.53
1:K:125:VAL:N	1:K:300:LEU:HB2	2.23	0.53
1:K:181:LEU:HD11	1:K:199:LEU:HD23	1.90	0.53
1:K:468:TYR:OH	1:K:501:ILE:HG21	2.09	0.53
1:L:120:PHE:N	1:M:277:ALA:HB1	2.12	0.53
1:L:268:PHE:CE2	1:L:270:GLN:CB	2.89	0.53
1:L:468:TYR:OH	1:L:501:ILE:HG21	2.09	0.53
1:M:5:THR:O	1:M:9:GLN:HG3	2.08	0.53
1:M:170:VAL:HG23	1:M:171:GLN:N	2.23	0.53
1:M:1095:UNK:O	1:M:1110:UNK:HA	2.08	0.53
1:N:39:ILE:HG22	1:N:40:LEU:N	2.24	0.53
1:N:125:VAL:HG21	1:N:297:VAL:HG22	1.90	0.53
1:N:179:PHE:CD1	1:N:242:LEU:HD21	2.43	0.53
1:N:429:LEU:HD13	1:N:429:LEU:C	2.29	0.53
1:N:533:PRO:HA	1:N:536:GLU:HB2	1.91	0.53
1:O:5:THR:HG21	1:O:73:VAL:CG1	2.37	0.53
1:O:204:ASP:HB3	1:O:206:ASN:CG	2.29	0.53
1:O:275:LEU:HD22	1:O:275:LEU:O	2.08	0.53
1:O:414:GLN:HB3	1:O:420:ILE:HG22	1.90	0.53
1:P:496:PHE:CE2	1:P:558:TYR:HD1	2.26	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:542:ILE:HD12	1:P:542:ILE:C	2.28	0.53
1:P:626:UNK:C	1:P:652:UNK:HA	2.38	0.53
1:A:5:THR:O	1:A:9:GLN:HG3	2.08	0.53
1:A:125:VAL:HG23	1:A:296:GLU:HB3	1.89	0.53
1:A:242:LEU:C	1:A:262:ILE:HD13	2.28	0.53
1:A:277:ALA:HB1	1:B:120:PHE:N	2.12	0.53
1:A:414:GLN:HB3	1:A:420:ILE:HG22	1.90	0.53
1:A:1095:UNK:O	1:A:1110:UNK:HA	2.08	0.53
1:B:5:THR:O	1:B:9:GLN:HG3	2.08	0.53
1:B:475:LEU:HD22	1:B:482:GLU:CB	2.36	0.53
1:B:476:LYS:HD2	1:B:527:TYR:HA	1.91	0.53
1:C:181:LEU:HD11	1:C:199:LEU:HD23	1.90	0.53
1:C:242:LEU:C	1:C:262:ILE:HD13	2.28	0.53
1:D:125:VAL:HG21	1:D:297:VAL:HG22	1.90	0.53
1:D:217:ILE:O	1:D:221:ILE:HD12	2.08	0.53
1:D:517:THR:HG21	1:D:546:LEU:HD21	1.85	0.53
1:D:542:ILE:HD12	1:D:542:ILE:C	2.28	0.53
1:D:626:UNK:C	1:D:652:UNK:HA	2.38	0.53
1:E:459:ILE:HG23	1:E:497:LEU:HD12	1.90	0.53
1:E:468:TYR:OH	1:E:501:ILE:HG21	2.08	0.53
1:E:490:VAL:O	1:E:576:GLU:HB2	2.08	0.53
1:F:10:TYR:CD2	1:F:106:TYR:HB3	2.41	0.53
1:F:27:PHE:HB2	1:F:30:LYS:NZ	2.23	0.53
1:F:39:ILE:HD13	1:F:75:LYS:HB3	1.87	0.53
1:F:193:LEU:HD22	1:F:224:ILE:CD1	2.39	0.53
1:F:257:ASN:CG	1:F:279:THR:HG23	2.29	0.53
1:G:19:PHE:HZ	1:O:87:PHE:CB	2.13	0.53
1:G:39:ILE:HG22	1:G:40:LEU:N	2.24	0.53
1:G:85:TYR:CD2	1:G:88:LEU:HD23	2.43	0.53
1:G:134:LEU:HD13	1:G:134:LEU:C	2.29	0.53
1:G:204:ASP:HB3	1:G:206:ASN:CG	2.29	0.53
1:G:257:ASN:OD1	1:G:279:THR:HG21	2.08	0.53
1:G:492:LEU:HD12	1:G:577:ALA:CB	2.28	0.53
1:H:121:ALA:HA	3:H:1402:DTP:H2	1.89	0.53
1:H:476:LYS:HD2	1:H:527:TYR:HA	1.91	0.53
1:H:533:PRO:HA	1:H:536:GLU:HB2	1.91	0.53
1:I:27:PHE:HB2	1:I:30:LYS:NZ	2.23	0.53
1:I:429:LEU:HD13	1:I:429:LEU:C	2.29	0.53
1:I:468:TYR:OH	1:I:501:ILE:HG21	2.08	0.53
1:I:517:THR:HG21	1:I:546:LEU:HD21	1.85	0.53
1:J:10:TYR:CD2	1:J:106:TYR:HB3	2.41	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:27:PHE:HB2	1:J:30:LYS:NZ	2.23	0.53
1:J:125:VAL:HG21	1:J:297:VAL:HG22	1.90	0.53
1:J:152:VAL:HG12	1:J:153:LEU:N	2.22	0.53
1:J:179:PHE:CD1	1:J:242:LEU:HD21	2.43	0.53
1:J:491:PHE:HA	1:J:576:GLU:CG	2.36	0.53
1:J:517:THR:HG21	1:J:546:LEU:HD21	1.85	0.53
1:J:542:ILE:HD12	1:J:542:ILE:C	2.28	0.53
1:J:1095:UNK:O	1:J:1110:UNK:HA	2.08	0.53
1:K:414:GLN:HB3	1:K:420:ILE:HG22	1.90	0.53
1:K:420:ILE:O	1:K:420:ILE:HG13	2.07	0.53
1:L:253:TRP:HZ2	1:L:266:THR:HG1	1.56	0.53
1:L:420:ILE:O	1:L:420:ILE:HG13	2.07	0.53
1:L:476:LYS:HD2	1:L:527:TYR:HA	1.91	0.53
1:M:120:PHE:CD2	1:M:122:LYS:HD3	2.43	0.53
1:M:414:GLN:HB3	1:M:420:ILE:HG22	1.90	0.53
1:N:5:THR:O	1:N:9:GLN:HG3	2.08	0.53
1:N:170:VAL:O	1:N:174:MET:HE2	2.09	0.53
1:N:181:LEU:HD11	1:N:199:LEU:HD23	1.90	0.53
1:N:476:LYS:HD2	1:N:527:TYR:HA	1.91	0.53
1:O:115:ASN:HA	1:P:279:THR:CG2	2.38	0.53
1:O:125:VAL:HG21	1:O:297:VAL:HG22	1.90	0.53
1:O:326:ILE:CG1	1:O:348:LYS:HB2	2.39	0.53
1:O:459:ILE:HG23	1:O:497:LEU:HD12	1.90	0.53
1:O:476:LYS:HD2	1:O:527:TYR:HA	1.91	0.53
1:O:542:ILE:HD12	1:O:542:ILE:C	2.28	0.53
1:O:559:THR:HG23	1:O:1037:UNK:CA	2.39	0.53
1:O:626:UNK:C	1:O:652:UNK:HA	2.38	0.53
1:P:27:PHE:HB2	1:P:30:LYS:NZ	2.23	0.53
1:P:193:LEU:HD22	1:P:224:ILE:CD1	2.39	0.53
1:P:257:ASN:CG	1:P:279:THR:HG23	2.29	0.53
1:P:275:LEU:HD22	1:P:275:LEU:O	2.08	0.53
1:P:349:LEU:HD23	1:P:426:TYR:CE1	2.43	0.53
1:A:80:VAL:HG22	1:A:85:TYR:HB3	1.90	0.53
1:A:170:VAL:HG23	1:A:171:GLN:N	2.23	0.53
1:A:228:LEU:CD2	1:A:232:LEU:HD13	2.31	0.53
1:A:468:TYR:OH	1:A:501:ILE:HG21	2.08	0.53
1:B:120:PHE:O	1:B:121:ALA:HB2	2.08	0.53
1:B:268:PHE:CE2	1:B:270:GLN:CB	2.89	0.53
1:C:11:GLN:CG	1:C:106:TYR:HD2	2.14	0.53
1:C:125:VAL:N	1:C:300:LEU:HB2	2.23	0.53
1:D:27:PHE:HB2	1:D:30:LYS:NZ	2.23	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:125:VAL:N	1:D:300:LEU:HB2	2.23	0.53
1:D:491:PHE:HA	1:D:576:GLU:CG	2.36	0.53
1:D:546:LEU:O	1:D:549:ILE:HG22	2.08	0.53
1:D:1095:UNK:O	1:D:1110:UNK:HA	2.08	0.53
1:E:27:PHE:HB2	1:E:30:LYS:NZ	2.23	0.53
1:E:120:PHE:O	1:E:121:ALA:HB2	2.08	0.53
1:E:242:LEU:HB2	1:E:262:ILE:HD11	1.90	0.53
1:E:476:LYS:HB2	1:E:527:TYR:HD1	1.68	0.53
1:E:496:PHE:CE2	1:E:558:TYR:HD1	2.26	0.53
1:E:517:THR:HG21	1:E:546:LEU:HD21	1.85	0.53
1:F:39:ILE:HG22	1:F:40:LEU:N	2.24	0.53
1:F:136:GLN:O	1:F:140:GLU:HG3	2.09	0.53
1:F:151:GLY:HA2	1:F:287:HIS:O	2.09	0.53
1:F:268:PHE:CZ	1:F:270:GLN:CB	2.91	0.53
1:F:275:LEU:O	1:F:275:LEU:HD22	2.08	0.53
1:F:476:LYS:HD2	1:F:527:TYR:HA	1.91	0.53
1:G:130:PRO:HG2	1:G:292:LEU:HD23	1.91	0.53
1:G:326:ILE:CG1	1:G:348:LYS:HB2	2.39	0.53
1:G:459:ILE:HG23	1:G:497:LEU:HD12	1.90	0.53
1:G:626:UNK:C	1:G:652:UNK:HA	2.38	0.53
1:H:125:VAL:HG21	1:H:297:VAL:HG22	1.90	0.53
1:H:181:LEU:HD11	1:H:199:LEU:HD23	1.90	0.53
1:H:268:PHE:CE2	1:H:270:GLN:CB	2.89	0.53
1:I:279:THR:CG2	1:P:115:ASN:HA	2.38	0.53
1:I:331:ILE:HD11	1:I:340:ASN:ND2	2.24	0.53
1:I:428:GLU:HG2	1:I:432:LYS:HZ3	1.73	0.53
1:I:459:ILE:HG23	1:I:497:LEU:HD12	1.90	0.53
1:I:475:LEU:HD22	1:I:482:GLU:CB	2.36	0.53
1:I:490:VAL:O	1:I:576:GLU:HB2	2.08	0.53
1:J:115:ASN:HA	1:K:279:THR:CG2	2.38	0.53
1:J:488:ARG:CB	1:J:494:PHE:HB2	2.38	0.53
1:K:5:THR:O	1:K:9:GLN:HG3	2.08	0.53
1:K:113:LEU:HB2	1:K:166:LEU:HD11	1.90	0.53
1:K:178:ILE:HG12	1:K:241:LEU:O	2.08	0.53
1:L:5:THR:O	1:L:9:GLN:HG3	2.08	0.53
1:L:120:PHE:O	1:L:121:ALA:HB2	2.08	0.53
1:L:490:VAL:O	1:L:576:GLU:HB2	2.08	0.53
1:M:80:VAL:HG22	1:M:85:TYR:HB3	1.90	0.53
1:M:242:LEU:HB2	1:M:262:ILE:HD11	1.90	0.53
1:N:349:LEU:HD23	1:N:426:TYR:CE1	2.43	0.53
1:O:39:ILE:HG22	1:O:40:LEU:N	2.24	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:125:VAL:O	1:O:125:VAL:HG13	2.08	0.53
1:O:130:PRO:HG2	1:O:292:LEU:HD23	1.91	0.53
1:O:138:LEU:HD23	1:O:138:LEU:C	2.29	0.53
1:O:242:LEU:HB2	1:O:262:ILE:HD11	1.90	0.53
1:O:492:LEU:HD12	1:O:577:ALA:CB	2.28	0.53
1:P:125:VAL:HG23	1:P:296:GLU:HB3	1.89	0.53
1:P:136:GLN:O	1:P:140:GLU:HG3	2.09	0.53
1:P:151:GLY:HA2	1:P:287:HIS:O	2.09	0.53
1:P:181:LEU:HD11	1:P:199:LEU:HD23	1.90	0.53
1:P:268:PHE:CE2	1:P:270:GLN:CB	2.89	0.53
1:P:268:PHE:CZ	1:P:270:GLN:CB	2.91	0.53
1:P:476:LYS:HD2	1:P:527:TYR:HA	1.91	0.53
1:A:11:GLN:CD	1:A:103:THR:HA	2.29	0.53
1:A:125:VAL:HG21	1:A:297:VAL:HG22	1.90	0.53
1:A:134:LEU:HD13	1:A:134:LEU:C	2.29	0.53
1:A:184:LYS:HD2	1:A:191:THR:CG2	2.39	0.53
1:A:291:THR:O	1:A:291:THR:HG23	2.08	0.53
1:B:490:VAL:O	1:B:576:GLU:HB2	2.08	0.53
1:C:184:LYS:HD2	1:C:191:THR:CG2	2.39	0.53
1:C:279:THR:CG2	1:D:115:ASN:HA	2.38	0.53
1:C:492:LEU:HD13	1:C:561:LEU:HG	1.91	0.53
1:C:533:PRO:HA	1:C:536:GLU:HB2	1.91	0.53
1:D:10:TYR:CD2	1:D:106:TYR:HB3	2.41	0.53
1:D:125:VAL:O	1:D:125:VAL:HG13	2.08	0.53
1:D:184:LYS:HD2	1:D:191:THR:CG2	2.39	0.53
1:E:331:ILE:HD11	1:E:340:ASN:ND2	2.24	0.53
1:E:533:PRO:HA	1:E:536:GLU:HB2	1.91	0.53
1:E:559:THR:HG23	1:E:1037:UNK:CA	2.39	0.53
1:E:1095:UNK:O	1:E:1110:UNK:HA	2.08	0.53
1:F:20:GLU:HG2	1:F:27:PHE:HE2	1.74	0.53
1:F:196:LEU:CD2	1:F:224:ILE:HG21	2.39	0.53
1:F:235:LYS:CB	1:F:236:PRO:HD2	2.37	0.53
1:F:268:PHE:CE2	1:F:270:GLN:CB	2.89	0.53
1:F:492:LEU:HD13	1:F:561:LEU:HG	1.91	0.53
1:G:87:PHE:CB	1:O:19:PHE:HZ	2.13	0.53
1:G:138:LEU:HD23	1:G:138:LEU:C	2.29	0.53
1:G:331:ILE:HD11	1:G:340:ASN:ND2	2.24	0.53
1:G:542:ILE:HD12	1:G:542:ILE:C	2.28	0.53
1:G:559:THR:HG23	1:G:1037:UNK:CA	2.39	0.53
1:H:1095:UNK:O	1:H:1110:UNK:HA	2.08	0.53
1:I:40:LEU:CD2	1:I:48:ILE:HD13	2.34	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:113:LEU:HB2	1:I:166:LEU:HD11	1.90	0.53
1:I:120:PHE:O	1:I:121:ALA:HB2	2.08	0.53
1:I:178:ILE:HG12	1:I:241:LEU:O	2.08	0.53
1:I:496:PHE:CE2	1:I:558:TYR:HD1	2.26	0.53
1:J:125:VAL:O	1:J:125:VAL:HG13	2.08	0.53
1:J:184:LYS:HD2	1:J:191:THR:CG2	2.39	0.53
1:J:546:LEU:O	1:J:549:ILE:HG22	2.08	0.53
1:K:257:ASN:OD1	1:K:279:THR:HG21	2.08	0.53
1:K:492:LEU:HD13	1:K:561:LEU:HG	1.91	0.53
1:K:533:PRO:HA	1:K:536:GLU:HB2	1.91	0.53
1:K:546:LEU:O	1:K:549:ILE:HG22	2.08	0.53
1:L:134:LEU:HD13	1:L:134:LEU:C	2.29	0.53
1:L:475:LEU:HD22	1:L:482:GLU:CB	2.36	0.53
1:M:11:GLN:CD	1:M:103:THR:HA	2.29	0.53
1:M:39:ILE:HG22	1:M:40:LEU:N	2.24	0.53
1:M:125:VAL:HG23	1:M:296:GLU:HB3	1.89	0.53
1:M:151:GLY:HA2	1:M:287:HIS:O	2.09	0.53
1:N:80:VAL:HG22	1:N:85:TYR:HB3	1.90	0.53
1:N:114:TYR:CD1	1:O:280:THR:CB	2.83	0.53
1:N:204:ASP:HB3	1:N:206:ASN:CG	2.29	0.53
1:N:1095:UNK:O	1:N:1110:UNK:HA	2.08	0.53
1:O:85:TYR:CD2	1:O:88:LEU:HD23	2.43	0.53
1:O:134:LEU:HD13	1:O:134:LEU:C	2.29	0.53
1:O:257:ASN:OD1	1:O:279:THR:HG21	2.08	0.53
1:P:20:GLU:HG2	1:P:27:PHE:HE2	1.74	0.53
1:P:39:ILE:HG22	1:P:40:LEU:N	2.24	0.53
1:P:492:LEU:HD13	1:P:561:LEU:HG	1.91	0.53
1:A:39:ILE:HG22	1:A:40:LEU:N	2.24	0.53
1:A:151:GLY:HA2	1:A:287:HIS:O	2.09	0.53
1:B:134:LEU:HD13	1:B:134:LEU:C	2.29	0.53
1:B:193:LEU:CD2	1:B:221:ILE:HA	2.32	0.53
1:B:331:ILE:HD11	1:B:340:ASN:ND2	2.24	0.53
1:C:5:THR:O	1:C:9:GLN:HG3	2.08	0.53
1:C:130:PRO:HG2	1:C:292:LEU:HD23	1.91	0.53
1:C:178:ILE:HG12	1:C:241:LEU:O	2.08	0.53
1:C:257:ASN:OD1	1:C:279:THR:HG21	2.08	0.53
1:C:304:TYR:OH	3:C:1402:DTP:H2	2.09	0.53
1:C:1095:UNK:O	1:C:1110:UNK:HA	2.08	0.53
1:D:11:GLN:CD	1:D:103:THR:HA	2.29	0.53
1:D:349:LEU:HD23	1:D:426:TYR:CE1	2.43	0.53
1:D:357:LEU:HD21	1:D:366:ARG:HD3	1.90	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:496:PHE:CE2	1:D:558:TYR:HD1	2.26	0.53
1:E:11:GLN:CD	1:E:103:THR:HA	2.29	0.53
1:E:151:GLY:HA2	1:E:287:HIS:O	2.09	0.53
1:E:178:ILE:HG12	1:E:241:LEU:O	2.08	0.53
1:E:542:ILE:HD12	1:E:542:ILE:C	2.28	0.53
1:F:8:HIS:O	1:F:12:TYR:HB2	2.09	0.53
1:F:63:TRP:HE1	1:F:124:ASN:HD21	1.56	0.53
1:F:170:VAL:HG23	1:F:171:GLN:N	2.23	0.53
1:F:181:LEU:HD11	1:F:199:LEU:HD23	1.90	0.53
1:F:244:LEU:CD2	1:F:262:ILE:HG21	2.39	0.53
1:F:1095:UNK:O	1:F:1110:UNK:HA	2.08	0.53
1:G:80:VAL:HG22	1:G:85:TYR:HB3	1.90	0.53
1:G:200:LEU:HD13	1:G:208:THR:CG2	2.33	0.53
1:G:242:LEU:HB2	1:G:262:ILE:HD11	1.90	0.53
1:H:80:VAL:HG22	1:H:85:TYR:HB3	1.90	0.53
1:H:204:ASP:HB3	1:H:206:ASN:CG	2.29	0.53
1:H:459:ILE:HG23	1:H:497:LEU:HD12	1.90	0.53
1:H:496:PHE:CE1	1:H:558:TYR:CD1	2.97	0.53
1:I:11:GLN:CD	1:I:103:THR:HA	2.29	0.53
1:I:476:LYS:HB2	1:I:527:TYR:HD1	1.68	0.53
1:I:533:PRO:HA	1:I:536:GLU:HB2	1.91	0.53
1:I:542:ILE:HD12	1:I:542:ILE:C	2.28	0.53
1:I:559:THR:HG23	1:I:1037:UNK:CA	2.39	0.53
1:I:1095:UNK:O	1:I:1110:UNK:HA	2.08	0.53
1:J:11:GLN:CD	1:J:103:THR:HA	2.29	0.53
1:J:85:TYR:CD2	1:J:88:LEU:HD23	2.43	0.53
1:J:125:VAL:N	1:J:300:LEU:HB2	2.23	0.53
1:K:130:PRO:HG2	1:K:292:LEU:HD23	1.91	0.53
1:K:184:LYS:HD2	1:K:191:THR:CG2	2.39	0.53
1:K:257:ASN:CG	1:K:279:THR:HG23	2.29	0.53
1:L:125:VAL:O	1:L:125:VAL:HG13	2.08	0.53
1:M:125:VAL:HG21	1:M:297:VAL:HG22	1.90	0.53
1:M:138:LEU:HD23	1:M:138:LEU:C	2.29	0.53
1:M:184:LYS:HD2	1:M:191:THR:CG2	2.39	0.53
1:M:268:PHE:CE2	1:M:270:GLN:CB	2.89	0.53
1:M:325:SER:HB2	3:M:1402:DTP:H1'	1.91	0.53
1:M:468:TYR:OH	1:M:501:ILE:HG21	2.09	0.53
1:N:151:GLY:HA2	1:N:287:HIS:O	2.09	0.53
1:N:466:TYR:CG	1:N:470:HIS:CD2	2.97	0.53
1:N:496:PHE:CE1	1:N:558:TYR:CD1	2.97	0.53
1:O:20:GLU:HG2	1:O:27:PHE:HE2	1.74	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:331:ILE:HD11	1:O:340:ASN:ND2	2.24	0.53
1:P:5:THR:HG21	1:P:73:VAL:CG1	2.37	0.53
1:P:8:HIS:O	1:P:12:TYR:HB2	2.09	0.53
1:P:196:LEU:CD2	1:P:224:ILE:HG21	2.39	0.53
1:P:204:ASP:HB3	1:P:206:ASN:CG	2.29	0.53
1:P:244:LEU:CD2	1:P:262:ILE:HG21	2.39	0.53
1:P:490:VAL:O	1:P:576:GLU:HB2	2.08	0.53
1:A:138:LEU:HD23	1:A:138:LEU:C	2.29	0.53
1:A:476:LYS:HD2	1:A:527:TYR:HA	1.91	0.53
1:A:496:PHE:CE1	1:A:558:TYR:CD1	2.97	0.53
1:B:138:LEU:HD23	1:B:138:LEU:C	2.29	0.53
1:B:242:LEU:HD12	1:B:260:CYS:SG	2.49	0.53
1:B:244:LEU:CD2	1:B:262:ILE:HG21	2.39	0.53
1:C:113:LEU:HB2	1:C:166:LEU:HD11	1.90	0.53
1:C:125:VAL:HG13	1:C:125:VAL:O	2.08	0.53
1:C:134:LEU:HD13	1:C:134:LEU:C	2.29	0.53
1:C:244:LEU:CD2	1:C:262:ILE:HG21	2.39	0.53
1:C:257:ASN:CG	1:C:279:THR:HG23	2.29	0.53
1:C:476:LYS:HD2	1:C:527:TYR:HA	1.91	0.53
1:C:496:PHE:CE2	1:C:558:TYR:HD1	2.26	0.53
1:C:546:LEU:O	1:C:549:ILE:HG22	2.09	0.53
1:D:8:HIS:O	1:D:12:TYR:HB2	2.09	0.53
1:D:113:LEU:CD2	1:D:165:CYS:HB3	2.39	0.53
1:E:113:LEU:HB2	1:E:166:LEU:HD11	1.90	0.53
1:E:134:LEU:HD13	1:E:134:LEU:C	2.29	0.53
1:F:5:THR:HG21	1:F:73:VAL:CG1	2.37	0.53
1:F:204:ASP:HB3	1:F:206:ASN:CG	2.29	0.53
1:F:253:TRP:HZ2	1:F:266:THR:HG1	1.56	0.53
1:F:475:LEU:HD22	1:F:478:ILE:HD11	1.89	0.53
1:G:8:HIS:O	1:G:12:TYR:HB2	2.09	0.53
1:G:11:GLN:CD	1:G:103:THR:HA	2.29	0.53
1:G:20:GLU:HG2	1:G:27:PHE:HE2	1.74	0.53
1:G:242:LEU:HD12	1:G:260:CYS:SG	2.49	0.53
1:G:268:PHE:CZ	1:G:270:GLN:CB	2.91	0.53
1:G:279:THR:CG2	1:H:115:ASN:HA	2.38	0.53
1:G:466:TYR:CG	1:G:470:HIS:CD2	2.97	0.53
1:G:576:GLU:OE2	1:G:579:LYS:HE2	2.09	0.53
1:H:120:PHE:O	1:H:121:ALA:HB2	2.08	0.53
1:H:151:GLY:HA2	1:H:287:HIS:O	2.09	0.53
1:H:178:ILE:HG12	1:H:241:LEU:O	2.08	0.53
1:H:466:TYR:CG	1:H:470:HIS:CD2	2.97	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:559:THR:HG23	1:H:1037:UNK:CA	2.39	0.53
1:H:626:UNK:C	1:H:652:UNK:HA	2.38	0.53
1:I:63:TRP:HE1	1:I:124:ASN:HD21	1.56	0.53
1:I:151:GLY:HA2	1:I:287:HIS:O	2.09	0.53
1:J:204:ASP:HB3	1:J:206:ASN:CG	2.29	0.53
1:J:349:LEU:HD23	1:J:426:TYR:CE1	2.43	0.53
1:K:125:VAL:O	1:K:125:VAL:HG13	2.08	0.53
1:K:244:LEU:CD2	1:K:262:ILE:HG21	2.39	0.53
1:K:304:TYR:OH	3:K:1402:DTP:H2	2.09	0.53
1:K:1095:UNK:O	1:K:1110:UNK:HA	2.08	0.53
1:L:115:ASN:HA	1:M:279:THR:CG2	2.38	0.53
1:L:242:LEU:HD12	1:L:260:CYS:SG	2.49	0.53
1:L:331:ILE:HD11	1:L:340:ASN:ND2	2.24	0.53
1:M:134:LEU:HD13	1:M:134:LEU:C	2.29	0.53
1:M:257:ASN:OD1	1:M:279:THR:HG21	2.08	0.53
1:M:291:THR:O	1:M:291:THR:HG23	2.08	0.53
1:M:496:PHE:CE1	1:M:558:TYR:CD1	2.97	0.53
1:N:134:LEU:HD13	1:N:134:LEU:C	2.29	0.53
1:N:459:ILE:HG23	1:N:497:LEU:HD12	1.90	0.53
1:O:8:HIS:O	1:O:12:TYR:HB2	2.09	0.53
1:O:11:GLN:CD	1:O:103:THR:HA	2.29	0.53
1:O:50:MET:HE3	1:O:60:ARG:HH12	1.73	0.53
1:O:80:VAL:HG22	1:O:85:TYR:HB3	1.90	0.53
1:O:151:GLY:HA2	1:O:287:HIS:O	2.09	0.53
1:O:242:LEU:HD12	1:O:260:CYS:SG	2.49	0.53
1:O:268:PHE:CZ	1:O:270:GLN:CB	2.91	0.53
1:O:406:HIS:CD2	1:O:412:GLU:HB2	2.44	0.53
1:O:466:TYR:CG	1:O:470:HIS:CD2	2.97	0.53
1:O:576:GLU:OE2	1:O:579:LYS:HE2	2.09	0.53
1:P:63:TRP:HE1	1:P:124:ASN:HD21	1.56	0.53
1:P:170:VAL:HG23	1:P:171:GLN:N	2.23	0.53
1:P:235:LYS:CB	1:P:236:PRO:HD2	2.37	0.53
1:P:533:PRO:HA	1:P:536:GLU:HB2	1.91	0.53
1:P:1095:UNK:O	1:P:1110:UNK:HA	2.08	0.53
1:A:20:GLU:HG2	1:A:27:PHE:HE2	1.74	0.53
1:A:63:TRP:HE1	1:A:124:ASN:HD21	1.56	0.53
1:A:136:GLN:O	1:A:140:GLU:HG3	2.09	0.53
1:A:268:PHE:CE2	1:A:270:GLN:CB	2.89	0.53
1:A:314:ARG:NE	1:A:341:TRP:HH2	2.05	0.53
1:A:325:SER:HB2	3:A:1402:DTP:H1'	1.91	0.53
1:C:242:LEU:HD12	1:C:260:CYS:SG	2.49	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:85:TYR:CD2	1:D:88:LEU:HD23	2.43	0.53
1:D:204:ASP:HB3	1:D:206:ASN:CG	2.29	0.53
1:D:331:ILE:HD11	1:D:340:ASN:ND2	2.24	0.53
1:E:40:LEU:CD2	1:E:48:ILE:HD13	2.34	0.53
1:E:170:VAL:O	1:E:174:MET:HE2	2.09	0.53
1:E:204:ASP:HB3	1:E:206:ASN:CG	2.29	0.53
1:E:546:LEU:O	1:E:549:ILE:HG22	2.09	0.53
1:F:134:LEU:HD13	1:F:134:LEU:C	2.29	0.53
1:F:490:VAL:O	1:F:576:GLU:HB2	2.08	0.53
1:F:533:PRO:HA	1:F:536:GLU:HB2	1.91	0.53
1:G:10:TYR:CD2	1:G:106:TYR:HB3	2.41	0.53
1:G:151:GLY:HA2	1:G:287:HIS:O	2.09	0.53
1:G:280:THR:CB	1:H:114:TYR:CD1	2.83	0.53
1:G:357:LEU:HD21	1:G:366:ARG:HD3	1.90	0.53
1:H:5:THR:HG21	1:H:73:VAL:CG1	2.37	0.53
1:H:8:HIS:O	1:H:12:TYR:HB2	2.09	0.53
1:H:146:ASN:HB2	1:H:275:LEU:HD11	1.89	0.53
1:H:468:TYR:OH	1:H:501:ILE:HG21	2.09	0.53
1:I:134:LEU:HD13	1:I:134:LEU:C	2.29	0.53
1:I:136:GLN:O	1:I:140:GLU:HG3	2.09	0.53
1:I:184:LYS:HD2	1:I:191:THR:CG2	2.39	0.53
1:I:204:ASP:HB3	1:I:206:ASN:CG	2.29	0.53
1:J:8:HIS:O	1:J:12:TYR:HB2	2.09	0.53
1:J:113:LEU:CD2	1:J:165:CYS:HB3	2.39	0.53
1:J:357:LEU:HD21	1:J:366:ARG:HD3	1.90	0.53
1:J:496:PHE:CE2	1:J:558:TYR:HD1	2.26	0.53
1:K:242:LEU:HD12	1:K:260:CYS:SG	2.49	0.53
1:K:476:LYS:HD2	1:K:527:TYR:HA	1.91	0.53
1:L:8:HIS:O	1:L:12:TYR:HB2	2.09	0.53
1:L:138:LEU:HD23	1:L:138:LEU:C	2.29	0.53
1:L:193:LEU:CD2	1:L:221:ILE:HA	2.32	0.53
1:L:244:LEU:CD2	1:L:262:ILE:HG21	2.39	0.53
1:L:488:ARG:CB	1:L:494:PHE:HB2	2.38	0.53
1:M:8:HIS:O	1:M:12:TYR:HB2	2.09	0.53
1:M:20:GLU:HG2	1:M:27:PHE:HE2	1.74	0.53
1:M:136:GLN:O	1:M:140:GLU:HG3	2.09	0.53
1:M:476:LYS:HD2	1:M:527:TYR:HA	1.91	0.53
1:N:8:HIS:O	1:N:12:TYR:HB2	2.09	0.53
1:N:120:PHE:O	1:N:121:ALA:HB2	2.08	0.53
1:N:136:GLN:O	1:N:140:GLU:HG3	2.09	0.53
1:N:178:ILE:HG12	1:N:241:LEU:O	2.08	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:468:TYR:OH	1:N:501:ILE:HG21	2.09	0.53
1:N:546:LEU:O	1:N:549:ILE:HG22	2.08	0.53
1:N:559:THR:HG23	1:N:1037:UNK:CA	2.39	0.53
1:N:626:UNK:C	1:N:652:UNK:HA	2.38	0.53
1:O:10:TYR:CD2	1:O:106:TYR:HB3	2.41	0.53
1:O:357:LEU:HD21	1:O:366:ARG:HD3	1.90	0.53
1:P:253:TRP:HZ2	1:P:266:THR:HG1	1.56	0.53
1:P:468:TYR:OH	1:P:501:ILE:HG21	2.09	0.53
1:P:475:LEU:HD22	1:P:478:ILE:HD11	1.89	0.53
1:A:8:HIS:O	1:A:12:TYR:HB2	2.09	0.52
1:A:120:PHE:O	1:A:121:ALA:HB2	2.08	0.52
1:A:242:LEU:HD12	1:A:260:CYS:SG	2.49	0.52
1:A:257:ASN:OD1	1:A:279:THR:HG21	2.08	0.52
1:A:279:THR:CG2	1:B:115:ASN:HA	2.38	0.52
1:B:8:HIS:O	1:B:12:TYR:HB2	2.09	0.52
1:B:325:SER:HB2	3:B:1402:DTP:H1'	1.91	0.52
1:B:488:ARG:CB	1:B:494:PHE:HB2	2.38	0.52
1:B:492:LEU:HD13	1:B:561:LEU:HG	1.91	0.52
1:B:496:PHE:CE1	1:B:558:TYR:CD1	2.97	0.52
1:C:146:ASN:HB2	1:C:275:LEU:HD11	1.89	0.52
1:C:542:ILE:HD12	1:C:542:ILE:C	2.28	0.52
1:C:626:UNK:C	1:C:652:UNK:HA	2.38	0.52
1:D:134:LEU:HD13	1:D:134:LEU:C	2.29	0.52
1:D:275:LEU:HD22	1:D:275:LEU:O	2.08	0.52
1:D:466:TYR:CD2	1:D:470:HIS:CD2	2.98	0.52
1:E:63:TRP:HE1	1:E:124:ASN:HD21	1.56	0.52
1:E:136:GLN:O	1:E:140:GLU:HG3	2.09	0.52
1:E:184:LYS:HD2	1:E:191:THR:CG2	2.39	0.52
1:F:406:HIS:CD2	1:F:412:GLU:HB2	2.44	0.52
1:F:468:TYR:OH	1:F:501:ILE:HG21	2.09	0.52
1:F:576:GLU:OE2	1:F:579:LYS:HE2	2.09	0.52
1:G:50:MET:HE3	1:G:60:ARG:HH12	1.73	0.52
1:G:406:HIS:CD2	1:G:412:GLU:HB2	2.44	0.52
1:H:134:LEU:HD13	1:H:134:LEU:C	2.29	0.52
1:H:136:GLN:O	1:H:140:GLU:HG3	2.09	0.52
1:H:406:HIS:CD2	1:H:412:GLU:HB2	2.44	0.52
1:H:546:LEU:O	1:H:549:ILE:HG22	2.08	0.52
1:I:277:ALA:HB1	1:P:120:PHE:N	2.12	0.52
1:I:626:UNK:C	1:I:652:UNK:HA	2.38	0.52
1:J:134:LEU:HD13	1:J:134:LEU:C	2.29	0.52
1:J:331:ILE:HD11	1:J:340:ASN:ND2	2.24	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:466:TYR:CD2	1:J:470:HIS:CD2	2.98	0.52
1:K:496:PHE:CE2	1:K:558:TYR:HD1	2.26	0.52
1:L:304:TYR:OH	3:L:1402:DTP:H2	2.09	0.52
1:L:326:ILE:CG1	1:L:348:LYS:HB2	2.39	0.52
1:L:357:LEU:HD21	1:L:366:ARG:HD3	1.90	0.52
1:L:492:LEU:HD13	1:L:561:LEU:HG	1.91	0.52
1:L:496:PHE:CE1	1:L:558:TYR:CD1	2.97	0.52
1:M:63:TRP:HE1	1:M:124:ASN:HD21	1.56	0.52
1:M:204:ASP:HB3	1:M:206:ASN:CG	2.29	0.52
1:N:115:ASN:HA	1:O:279:THR:CG2	2.38	0.52
1:N:138:LEU:HD12	1:N:263:LEU:CD2	2.36	0.52
1:N:466:TYR:CD2	1:N:470:HIS:CD2	2.98	0.52
1:N:576:GLU:OE2	1:N:579:LYS:HE2	2.09	0.52
1:O:491:PHE:HA	1:O:576:GLU:CG	2.36	0.52
1:O:492:LEU:HD13	1:O:561:LEU:HG	1.91	0.52
1:O:1095:UNK:O	1:O:1110:UNK:HA	2.08	0.52
1:P:134:LEU:HD13	1:P:134:LEU:C	2.29	0.52
1:P:304:TYR:OH	3:P:1402:DTP:H2	2.09	0.52
1:P:387:SER:HB3	1:P:391:PHE:HE2	1.67	0.52
1:P:576:GLU:OE2	1:P:579:LYS:HE2	2.09	0.52
1:A:331:ILE:HD11	1:A:340:ASN:ND2	2.24	0.52
1:A:626:UNK:O	1:A:652:UNK:HA	2.10	0.52
1:B:184:LYS:HD2	1:B:191:THR:CG2	2.39	0.52
1:B:304:TYR:OH	3:B:1402:DTP:H2	2.09	0.52
1:B:326:ILE:CG1	1:B:348:LYS:HB2	2.39	0.52
1:B:349:LEU:HD23	1:B:426:TYR:CE1	2.43	0.52
1:B:496:PHE:CE2	1:B:558:TYR:HD1	2.26	0.52
1:C:63:TRP:HE1	1:C:124:ASN:HD21	1.56	0.52
1:C:466:TYR:CD2	1:C:470:HIS:CD2	2.98	0.52
1:D:244:LEU:CD2	1:D:262:ILE:HG21	2.39	0.52
1:D:449:ILE:O	1:D:453:PHE:HD1	1.92	0.52
1:E:277:ALA:HB1	1:F:120:PHE:N	2.12	0.52
1:E:304:TYR:OH	3:E:1402:DTP:H2	2.09	0.52
1:E:626:UNK:C	1:E:652:UNK:HA	2.38	0.52
1:F:304:TYR:OH	3:F:1402:DTP:H2	2.09	0.52
1:F:626:UNK:O	1:F:652:UNK:HA	2.10	0.52
1:G:179:PHE:HZ	1:G:237:TYR:HE1	1.57	0.52
1:G:184:LYS:HD2	1:G:191:THR:CG2	2.39	0.52
1:G:491:PHE:HA	1:G:576:GLU:CG	2.36	0.52
1:G:492:LEU:HD13	1:G:561:LEU:HG	1.91	0.52
1:G:1095:UNK:O	1:G:1110:UNK:HA	2.08	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:331:ILE:HD11	1:H:340:ASN:ND2	2.24	0.52
1:H:414:GLN:HB3	1:H:420:ILE:HG22	1.90	0.52
1:H:466:TYR:CD2	1:H:470:HIS:CD2	2.98	0.52
1:H:576:GLU:OE2	1:H:579:LYS:HE2	2.09	0.52
1:I:8:HIS:O	1:I:12:TYR:HB2	2.09	0.52
1:I:170:VAL:HG23	1:I:171:GLN:N	2.23	0.52
1:I:304:TYR:OH	3:I:1402:DTP:H2	2.09	0.52
1:I:546:LEU:O	1:I:549:ILE:HG22	2.09	0.52
1:J:120:PHE:CD2	1:J:122:LYS:HD3	2.43	0.52
1:J:136:GLN:O	1:J:140:GLU:HG3	2.09	0.52
1:J:244:LEU:CD2	1:J:262:ILE:HG21	2.39	0.52
1:J:275:LEU:HD22	1:J:275:LEU:O	2.08	0.52
1:J:449:ILE:O	1:J:453:PHE:HD1	1.92	0.52
1:K:134:LEU:HD13	1:K:134:LEU:C	2.29	0.52
1:K:136:GLN:O	1:K:140:GLU:HG3	2.09	0.52
1:K:542:ILE:HD12	1:K:542:ILE:C	2.28	0.52
1:K:626:UNK:C	1:K:652:UNK:HA	2.38	0.52
1:L:125:VAL:HG21	1:L:297:VAL:HG22	1.90	0.52
1:L:136:GLN:O	1:L:140:GLU:HG3	2.09	0.52
1:L:414:GLN:HB3	1:L:420:ILE:HG22	1.90	0.52
1:L:533:PRO:HA	1:L:536:GLU:HB2	1.91	0.52
1:M:120:PHE:O	1:M:121:ALA:HB2	2.08	0.52
1:M:242:LEU:HD12	1:M:260:CYS:SG	2.49	0.52
1:M:314:ARG:NE	1:M:341:TRP:HH2	2.05	0.52
1:N:5:THR:HG21	1:N:73:VAL:CG1	2.37	0.52
1:N:63:TRP:HE1	1:N:124:ASN:HD21	1.56	0.52
1:N:193:LEU:HD22	1:N:224:ILE:CD1	2.39	0.52
1:N:406:HIS:CD2	1:N:412:GLU:HB2	2.44	0.52
1:N:414:GLN:HB3	1:N:420:ILE:HG22	1.90	0.52
1:O:179:PHE:HZ	1:O:237:TYR:HE1	1.57	0.52
1:O:200:LEU:HD13	1:O:208:THR:CG2	2.33	0.52
1:O:304:TYR:OH	3:O:1402:DTP:H2	2.09	0.52
1:O:325:SER:HB2	3:O:1402:DTP:H1'	1.91	0.52
1:O:484:MET:HA	1:O:489:MET:HE1	1.91	0.52
1:P:406:HIS:CD2	1:P:412:GLU:HB2	2.44	0.52
1:P:626:UNK:O	1:P:652:UNK:HA	2.10	0.52
1:A:244:LEU:CD2	1:A:262:ILE:HG21	2.39	0.52
1:B:53:ASP:OD2	1:B:55:VAL:HB	2.10	0.52
1:B:125:VAL:HG21	1:B:297:VAL:HG22	1.90	0.52
1:B:178:ILE:HG12	1:B:241:LEU:O	2.08	0.52
1:B:357:LEU:HD21	1:B:366:ARG:HD3	1.90	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:414:GLN:HB3	1:B:420:ILE:HG22	1.90	0.52
1:B:437:TYR:CE1	1:B:440:HIS:CG	2.98	0.52
1:B:508:TRP:HD1	1:B:509:ASN:H	1.56	0.52
1:B:533:PRO:HA	1:B:536:GLU:HB2	1.91	0.52
1:C:136:GLN:O	1:C:140:GLU:HG3	2.09	0.52
1:C:204:ASP:HB3	1:C:206:ASN:CG	2.29	0.52
1:C:331:ILE:HD11	1:C:340:ASN:ND2	2.24	0.52
1:C:437:TYR:CE1	1:C:440:HIS:CG	2.98	0.52
1:D:123:TYR:CD1	1:D:304:TYR:CA	2.89	0.52
1:D:181:LEU:HD11	1:D:199:LEU:HD23	1.90	0.52
1:D:437:TYR:CE1	1:D:440:HIS:CG	2.98	0.52
1:D:488:ARG:CD	1:D:494:PHE:HB2	2.29	0.52
1:D:490:VAL:O	1:D:576:GLU:HB2	2.08	0.52
1:D:626:UNK:O	1:D:652:UNK:HA	2.10	0.52
1:E:8:HIS:O	1:E:12:TYR:HB2	2.09	0.52
1:E:39:ILE:HG22	1:E:40:LEU:N	2.24	0.52
1:E:138:LEU:HD23	1:E:138:LEU:C	2.29	0.52
1:E:406:HIS:CD2	1:E:412:GLU:HB2	2.44	0.52
1:E:476:LYS:HD2	1:E:527:TYR:HA	1.91	0.52
1:E:484:MET:HA	1:E:489:MET:HE1	1.91	0.52
1:E:488:ARG:CD	1:E:494:PHE:HB2	2.29	0.52
1:F:391:PHE:HD1	1:F:398:VAL:HG11	1.72	0.52
1:G:136:GLN:O	1:G:140:GLU:HG3	2.09	0.52
1:G:170:VAL:HG23	1:G:171:GLN:N	2.23	0.52
1:G:304:TYR:OH	3:G:1402:DTP:H2	2.09	0.52
1:G:325:SER:HB2	3:G:1402:DTP:H1'	1.91	0.52
1:H:63:TRP:HE1	1:H:124:ASN:HD21	1.56	0.52
1:H:138:LEU:HD12	1:H:263:LEU:CD2	2.36	0.52
1:H:244:LEU:CD2	1:H:262:ILE:HG21	2.39	0.52
1:I:138:LEU:HD23	1:I:138:LEU:C	2.29	0.52
1:I:275:LEU:HD22	1:I:275:LEU:O	2.08	0.52
1:I:406:HIS:CD2	1:I:412:GLU:HB2	2.44	0.52
1:I:449:ILE:O	1:I:453:PHE:HD1	1.92	0.52
1:J:123:TYR:CD1	1:J:304:TYR:CA	2.89	0.52
1:J:437:TYR:CE1	1:J:440:HIS:CG	2.98	0.52
1:J:459:ILE:HG23	1:J:497:LEU:HD12	1.90	0.52
1:J:476:LYS:HD2	1:J:527:TYR:HA	1.91	0.52
1:J:488:ARG:CD	1:J:494:PHE:HB2	2.29	0.52
1:K:204:ASP:HB3	1:K:206:ASN:CG	2.29	0.52
1:K:357:LEU:HD21	1:K:366:ARG:HD3	1.90	0.52
1:K:466:TYR:CD2	1:K:470:HIS:CD2	2.98	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:53:ASP:OD2	1:L:55:VAL:HB	2.10	0.52
1:L:151:GLY:HA2	1:L:287:HIS:O	2.09	0.52
1:L:178:ILE:HG12	1:L:241:LEU:O	2.08	0.52
1:L:184:LYS:HD2	1:L:191:THR:CG2	2.39	0.52
1:L:325:SER:HB2	3:L:1402:DTP:H1'	1.91	0.52
1:L:437:TYR:CE1	1:L:440:HIS:CG	2.98	0.52
1:L:459:ILE:HG23	1:L:497:LEU:HD12	1.90	0.52
1:M:331:ILE:HD11	1:M:340:ASN:ND2	2.24	0.52
1:M:626:UNK:O	1:M:652:UNK:HA	2.10	0.52
1:N:146:ASN:HB2	1:N:275:LEU:HD11	1.89	0.52
1:N:244:LEU:CD2	1:N:262:ILE:HG21	2.39	0.52
1:N:331:ILE:HD11	1:N:340:ASN:ND2	2.24	0.52
1:O:170:VAL:HG23	1:O:171:GLN:N	2.23	0.52
1:O:184:LYS:HD2	1:O:191:THR:CG2	2.39	0.52
1:A:204:ASP:HB3	1:A:206:ASN:CG	2.29	0.52
1:B:50:MET:HE3	1:B:60:ARG:HH12	1.74	0.52
1:B:136:GLN:O	1:B:140:GLU:HG3	2.09	0.52
1:B:151:GLY:HA2	1:B:287:HIS:O	2.09	0.52
1:B:459:ILE:HG23	1:B:497:LEU:HD12	1.90	0.52
1:C:196:LEU:HD23	1:C:196:LEU:O	2.10	0.52
1:C:357:LEU:HD21	1:C:366:ARG:HD3	1.90	0.52
1:C:626:UNK:O	1:C:652:UNK:HA	2.10	0.52
1:D:120:PHE:CD2	1:D:122:LYS:HD3	2.43	0.52
1:D:136:GLN:O	1:D:140:GLU:HG3	2.09	0.52
1:D:151:GLY:HA2	1:D:287:HIS:O	2.09	0.52
1:D:459:ILE:HG23	1:D:497:LEU:HD12	1.90	0.52
1:D:476:LYS:HD2	1:D:527:TYR:HA	1.91	0.52
1:D:559:THR:HG23	1:D:1037:UNK:CA	2.39	0.52
1:E:170:VAL:HG23	1:E:171:GLN:N	2.23	0.52
1:E:275:LEU:HD22	1:E:275:LEU:O	2.08	0.52
1:E:427:LEU:HD22	1:E:427:LEU:O	2.10	0.52
1:E:449:ILE:O	1:E:453:PHE:HD1	1.92	0.52
1:E:486:LEU:HD13	1:E:488:ARG:NH1	2.25	0.52
1:F:123:TYR:CZ	1:F:303:LYS:HG2	2.45	0.52
1:F:387:SER:HB3	1:F:391:PHE:HE2	1.67	0.52
1:F:466:TYR:CG	1:F:470:HIS:CD2	2.97	0.52
1:G:375:PHE:CZ	1:G:389:ILE:CG1	2.93	0.52
1:G:468:TYR:OH	1:G:501:ILE:HG21	2.08	0.52
1:H:20:GLU:HG2	1:H:27:PHE:HE2	1.74	0.52
1:H:100:SER:HB3	1:H:102:MET:HE3	1.91	0.52
1:H:193:LEU:HD22	1:H:224:ILE:CD1	2.39	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:492:LEU:HD13	1:H:561:LEU:HG	1.91	0.52
1:I:39:ILE:HG22	1:I:40:LEU:N	2.24	0.52
1:I:476:LYS:HD2	1:I:527:TYR:HA	1.91	0.52
1:I:486:LEU:HD13	1:I:488:ARG:NH1	2.25	0.52
1:J:490:VAL:O	1:J:576:GLU:HB2	2.08	0.52
1:J:559:THR:HG23	1:J:1037:UNK:CA	2.39	0.52
1:J:626:UNK:O	1:J:652:UNK:HA	2.10	0.52
1:K:80:VAL:HG22	1:K:85:TYR:HB3	1.90	0.52
1:K:268:PHE:CE2	1:K:270:GLN:CB	2.89	0.52
1:K:437:TYR:CE1	1:K:440:HIS:CG	2.98	0.52
1:K:626:UNK:O	1:K:652:UNK:HA	2.10	0.52
1:L:204:ASP:HB3	1:L:206:ASN:CG	2.29	0.52
1:L:349:LEU:HD23	1:L:426:TYR:CE1	2.43	0.52
1:M:11:GLN:CG	1:M:106:TYR:HD2	2.14	0.52
1:M:244:LEU:CD2	1:M:262:ILE:HG21	2.39	0.52
1:N:100:SER:HB3	1:N:102:MET:HE3	1.91	0.52
1:N:492:LEU:HD13	1:N:561:LEU:HG	1.91	0.52
1:O:375:PHE:CZ	1:O:389:ILE:CG1	2.93	0.52
1:O:468:TYR:OH	1:O:501:ILE:HG21	2.09	0.52
1:P:55:VAL:HG11	1:P:132:LEU:CD1	2.35	0.52
1:P:123:TYR:CZ	1:P:303:LYS:HG2	2.45	0.52
1:P:184:LYS:HD2	1:P:191:THR:CG2	2.39	0.52
1:P:326:ILE:CG1	1:P:348:LYS:HB2	2.39	0.52
1:A:406:HIS:CD2	1:A:412:GLU:HB2	2.44	0.52
1:A:492:LEU:HD13	1:A:561:LEU:HG	1.91	0.52
1:B:275:LEU:O	1:B:275:LEU:HD22	2.08	0.52
1:C:80:VAL:HG22	1:C:85:TYR:HB3	1.90	0.52
1:D:138:LEU:HD23	1:D:138:LEU:C	2.29	0.52
1:D:178:ILE:HG12	1:D:241:LEU:O	2.08	0.52
1:D:196:LEU:HD23	1:D:196:LEU:O	2.10	0.52
1:D:459:ILE:HG23	1:D:497:LEU:CD1	2.40	0.52
1:D:496:PHE:CE1	1:D:558:TYR:CD1	2.97	0.52
1:E:242:LEU:HD12	1:E:260:CYS:SG	2.49	0.52
1:E:437:TYR:CE1	1:E:440:HIS:CG	2.98	0.52
1:F:184:LYS:HD2	1:F:191:THR:CG2	2.39	0.52
1:F:469:SER:HA	1:F:523:PHE:HZ	1.74	0.52
1:G:53:ASP:OD2	1:G:55:VAL:HB	2.10	0.52
1:G:123:TYR:CZ	1:G:303:LYS:HG2	2.45	0.52
1:G:183:LEU:HD23	1:G:244:LEU:HB3	1.92	0.52
1:G:496:PHE:CE1	1:G:558:TYR:CD1	2.97	0.52
1:H:242:LEU:HD12	1:H:260:CYS:SG	2.49	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:379:ALA:HB1	1:H:470:HIS:CE1	2.45	0.52
1:I:192:VAL:HG11	1:I:251:LYS:CD	2.36	0.52
1:I:242:LEU:HD12	1:I:260:CYS:SG	2.49	0.52
1:I:387:SER:HB3	1:I:391:PHE:HE2	1.67	0.52
1:I:427:LEU:HD22	1:I:427:LEU:O	2.10	0.52
1:I:437:TYR:CE1	1:I:440:HIS:CG	2.98	0.52
1:I:484:MET:HA	1:I:489:MET:HE3	1.91	0.52
1:J:138:LEU:HD23	1:J:138:LEU:C	2.29	0.52
1:J:151:GLY:HA2	1:J:287:HIS:O	2.09	0.52
1:J:178:ILE:HG12	1:J:241:LEU:O	2.08	0.52
1:J:181:LEU:HD11	1:J:199:LEU:HD23	1.90	0.52
1:J:196:LEU:HD23	1:J:196:LEU:O	2.10	0.52
1:J:459:ILE:HG23	1:J:497:LEU:CD1	2.40	0.52
1:J:533:PRO:HA	1:J:536:GLU:HB2	1.91	0.52
1:K:63:TRP:HE1	1:K:124:ASN:HD21	1.56	0.52
1:K:138:LEU:HD12	1:K:263:LEU:CD2	2.36	0.52
1:K:146:ASN:HB2	1:K:275:LEU:HD11	1.89	0.52
1:K:196:LEU:HD23	1:K:196:LEU:O	2.10	0.52
1:K:331:ILE:HD11	1:K:340:ASN:ND2	2.24	0.52
1:K:429:LEU:HD13	1:K:429:LEU:C	2.29	0.52
1:M:406:HIS:CD2	1:M:412:GLU:HB2	2.44	0.52
1:M:466:TYR:CD2	1:M:470:HIS:CD2	2.98	0.52
1:M:492:LEU:HD13	1:M:561:LEU:HG	1.91	0.52
1:N:20:GLU:HG2	1:N:27:PHE:HE2	1.74	0.52
1:N:242:LEU:HD12	1:N:260:CYS:SG	2.49	0.52
1:N:379:ALA:HB1	1:N:470:HIS:CE1	2.45	0.52
1:O:123:TYR:CZ	1:O:303:LYS:HG2	2.45	0.52
1:O:136:GLN:O	1:O:140:GLU:HG3	2.09	0.52
1:O:183:LEU:HD23	1:O:244:LEU:HB3	1.92	0.52
1:O:379:ALA:HB1	1:O:470:HIS:CE1	2.45	0.52
1:P:138:LEU:HD23	1:P:138:LEU:C	2.29	0.52
1:P:427:LEU:O	1:P:427:LEU:HD22	2.10	0.52
1:P:466:TYR:CG	1:P:470:HIS:CD2	2.97	0.52
1:P:469:SER:HA	1:P:523:PHE:HZ	1.74	0.52
1:A:130:PRO:HG2	1:A:292:LEU:HD23	1.91	0.52
1:A:357:LEU:HD21	1:A:366:ARG:HD3	1.90	0.52
1:A:459:ILE:HG23	1:A:497:LEU:HD12	1.90	0.52
1:A:466:TYR:CD2	1:A:470:HIS:CD2	2.98	0.52
1:C:11:GLN:CD	1:C:103:THR:HA	2.29	0.52
1:C:50:MET:HE3	1:C:60:ARG:HH12	1.73	0.52
1:C:138:LEU:HD12	1:C:263:LEU:CD2	2.36	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:53:ASP:OD2	1:D:55:VAL:HB	2.10	0.52
1:D:480:HIS:CG	1:D:481:PRO:HD3	2.45	0.52
1:D:486:LEU:HD13	1:D:488:ARG:NH1	2.25	0.52
1:E:53:ASP:OD2	1:E:55:VAL:HB	2.10	0.52
1:E:123:TYR:CD1	1:E:304:TYR:CA	2.89	0.52
1:E:436:GLU:HG2	1:E:437:TYR:H	1.74	0.52
1:E:480:HIS:CG	1:E:481:PRO:HD3	2.45	0.52
1:E:576:GLU:OE2	1:E:579:LYS:HE2	2.09	0.52
1:F:138:LEU:HD23	1:F:138:LEU:C	2.29	0.52
1:F:326:ILE:CG1	1:F:348:LYS:HB2	2.39	0.52
1:F:427:LEU:HD22	1:F:427:LEU:O	2.10	0.52
1:F:559:THR:HG23	1:F:1037:UNK:CA	2.39	0.52
1:G:178:ILE:HG12	1:G:241:LEU:O	2.08	0.52
1:G:379:ALA:HB1	1:G:470:HIS:CE1	2.45	0.52
1:G:428:GLU:HG2	1:G:432:LYS:HZ3	1.74	0.52
1:G:466:TYR:CD2	1:G:470:HIS:CD2	2.98	0.52
1:G:480:HIS:CG	1:G:481:PRO:HD3	2.45	0.52
1:H:85:TYR:CE2	1:H:88:LEU:CD2	2.93	0.52
1:H:123:TYR:CZ	1:H:303:LYS:HG2	2.45	0.52
1:H:138:LEU:HD23	1:H:138:LEU:C	2.29	0.52
1:H:480:HIS:CG	1:H:481:PRO:HD3	2.45	0.52
1:I:53:ASP:OD2	1:I:55:VAL:HB	2.10	0.52
1:I:123:TYR:CD1	1:I:304:TYR:CA	2.89	0.52
1:I:125:VAL:HG21	1:I:297:VAL:HG22	1.90	0.52
1:I:480:HIS:CG	1:I:481:PRO:HD3	2.45	0.52
1:I:488:ARG:CD	1:I:494:PHE:HB2	2.29	0.52
1:J:53:ASP:OD2	1:J:55:VAL:HB	2.10	0.52
1:J:241:LEU:HD12	1:J:261:LYS:HE2	1.86	0.52
1:J:468:TYR:OH	1:J:501:ILE:HG21	2.09	0.52
1:J:480:HIS:CG	1:J:481:PRO:HD3	2.45	0.52
1:J:486:LEU:HD13	1:J:488:ARG:NH1	2.25	0.52
1:J:496:PHE:CE1	1:J:558:TYR:CD1	2.97	0.52
1:K:11:GLN:CD	1:K:103:THR:HA	2.29	0.52
1:K:50:MET:HE3	1:K:60:ARG:HH12	1.74	0.52
1:L:11:GLN:CD	1:L:103:THR:HA	2.29	0.52
1:L:40:LEU:HG	1:L:44:GLU:CB	2.40	0.52
1:L:138:LEU:HD12	1:L:263:LEU:CD2	2.36	0.52
1:L:193:LEU:HD22	1:L:224:ILE:CD1	2.39	0.52
1:N:85:TYR:CE2	1:N:88:LEU:CD2	2.93	0.52
1:N:123:TYR:CZ	1:N:303:LYS:HG2	2.45	0.52
1:N:184:LYS:HD2	1:N:191:THR:CG2	2.39	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:480:HIS:CG	1:N:481:PRO:HD3	2.45	0.52
1:O:53:ASP:OD2	1:O:55:VAL:HB	2.10	0.52
1:O:148:LEU:HD21	1:O:253:TRP:CH2	2.45	0.52
1:O:466:TYR:CD2	1:O:470:HIS:CD2	2.98	0.52
1:O:496:PHE:CE1	1:O:558:TYR:CD1	2.97	0.52
1:A:148:LEU:HD21	1:A:253:TRP:CH2	2.45	0.52
1:A:196:LEU:HD23	1:A:196:LEU:O	2.10	0.52
1:A:437:TYR:CE1	1:A:440:HIS:CG	2.98	0.52
1:A:459:ILE:HG23	1:A:497:LEU:CD1	2.40	0.52
1:A:488:ARG:CD	1:A:494:PHE:HB2	2.29	0.52
1:A:533:PRO:HA	1:A:536:GLU:HB2	1.91	0.52
1:A:563:ARG:HE	1:A:1037:UNK:CB	2.23	0.52
1:B:138:LEU:HD12	1:B:263:LEU:CD2	2.36	0.52
1:B:193:LEU:HD22	1:B:224:ILE:CD1	2.39	0.52
1:B:204:ASP:HB3	1:B:206:ASN:CG	2.29	0.52
1:B:469:SER:HA	1:B:523:PHE:HZ	1.74	0.52
1:C:39:ILE:HG22	1:C:40:LEU:N	2.24	0.52
1:C:268:PHE:CE2	1:C:270:GLN:CB	2.89	0.52
1:C:429:LEU:HD13	1:C:429:LEU:C	2.29	0.52
1:C:449:ILE:O	1:C:453:PHE:HD1	1.92	0.52
1:C:466:TYR:CG	1:C:470:HIS:CD2	2.97	0.52
1:C:490:VAL:O	1:C:576:GLU:HB2	2.08	0.52
1:D:40:LEU:HG	1:D:44:GLU:CB	2.40	0.52
1:D:468:TYR:OH	1:D:501:ILE:HG21	2.09	0.52
1:D:533:PRO:HA	1:D:536:GLU:HB2	1.91	0.52
1:E:196:LEU:CD2	1:E:224:ILE:HG21	2.39	0.52
1:E:379:ALA:HB1	1:E:470:HIS:CE1	2.45	0.52
1:E:447:TYR:HE1	1:E:482:GLU:HG2	1.75	0.52
1:E:496:PHE:CE1	1:E:558:TYR:CD1	2.97	0.52
1:F:55:VAL:HG11	1:F:132:LEU:CD1	2.35	0.52
1:F:120:PHE:O	1:F:121:ALA:HB2	2.08	0.52
1:F:480:HIS:CG	1:F:481:PRO:HD3	2.45	0.52
1:F:563:ARG:HE	1:F:1037:UNK:CB	2.23	0.52
1:G:244:LEU:CD2	1:G:262:ILE:HG21	2.39	0.52
1:G:533:PRO:HA	1:G:536:GLU:HB2	1.91	0.52
1:H:235:LYS:HB3	1:H:236:PRO:CD	2.40	0.52
1:H:375:PHE:CZ	1:H:389:ILE:CG1	2.93	0.52
1:H:427:LEU:O	1:H:427:LEU:HD22	2.10	0.52
1:I:80:VAL:HG22	1:I:85:TYR:HB3	1.90	0.52
1:I:138:LEU:HD12	1:I:263:LEU:CD2	2.36	0.52
1:I:244:LEU:CD2	1:I:262:ILE:HG21	2.39	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:379:ALA:HB1	1:I:470:HIS:CE1	2.45	0.52
1:I:436:GLU:HG2	1:I:437:TYR:H	1.74	0.52
1:I:447:TYR:HE1	1:I:482:GLU:HG2	1.75	0.52
1:I:466:TYR:CG	1:I:470:HIS:CD2	2.97	0.52
1:I:496:PHE:CE1	1:I:558:TYR:CD1	2.97	0.52
1:I:576:GLU:OE2	1:I:579:LYS:HE2	2.09	0.52
1:J:40:LEU:HG	1:J:44:GLU:CB	2.40	0.52
1:J:228:LEU:CD2	1:J:232:LEU:HD13	2.31	0.52
1:K:39:ILE:HG22	1:K:40:LEU:N	2.24	0.52
1:K:241:LEU:HD13	1:K:261:LYS:CE	2.34	0.52
1:K:411:VAL:HG23	1:K:412:GLU:N	2.16	0.52
1:K:466:TYR:CG	1:K:470:HIS:CD2	2.97	0.52
1:L:275:LEU:HD22	1:L:275:LEU:O	2.08	0.52
1:L:469:SER:HA	1:L:523:PHE:HZ	1.74	0.52
1:M:85:TYR:CE2	1:M:88:LEU:CD2	2.93	0.52
1:M:130:PRO:HG2	1:M:292:LEU:HD23	1.91	0.52
1:M:563:ARG:HE	1:M:1037:UNK:CB	2.23	0.52
1:M:576:GLU:OE2	1:M:579:LYS:HE2	2.09	0.52
1:N:11:GLN:CD	1:N:103:THR:HA	2.29	0.52
1:N:145:LYS:HZ3	1:N:261:LYS:HE3	1.75	0.52
1:N:235:LYS:HB3	1:N:236:PRO:CD	2.40	0.52
1:N:304:TYR:OH	3:N:1402:DTP:H2	2.09	0.52
1:N:375:PHE:CZ	1:N:389:ILE:CG1	2.93	0.52
1:O:178:ILE:HG12	1:O:241:LEU:O	2.08	0.52
1:O:480:HIS:CG	1:O:481:PRO:HD3	2.45	0.52
1:P:391:PHE:HD1	1:P:398:VAL:HG11	1.72	0.52
1:P:480:HIS:CG	1:P:481:PRO:HD3	2.45	0.52
1:P:559:THR:HG23	1:P:1037:UNK:CA	2.39	0.52
1:A:11:GLN:CG	1:A:106:TYR:HD2	2.14	0.52
1:A:85:TYR:CE2	1:A:88:LEU:CD2	2.93	0.52
1:B:11:GLN:CD	1:B:103:THR:HA	2.29	0.52
1:B:80:VAL:HG22	1:B:85:TYR:HB3	1.90	0.52
1:B:145:LYS:HZ2	1:B:261:LYS:HE3	1.75	0.52
1:B:196:LEU:HD23	1:B:196:LEU:O	2.10	0.52
1:B:466:TYR:CD2	1:B:470:HIS:CD2	2.98	0.52
1:B:563:ARG:HE	1:B:1037:UNK:CB	2.23	0.52
1:D:375:PHE:CZ	1:D:389:ILE:CG1	2.93	0.52
1:E:80:VAL:HG22	1:E:85:TYR:HB3	1.90	0.52
1:E:123:TYR:CZ	1:E:303:LYS:HG2	2.45	0.52
1:E:125:VAL:HG21	1:E:297:VAL:HG22	1.90	0.52
1:E:192:VAL:HG11	1:E:251:LYS:CD	2.36	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:244:LEU:CD2	1:E:262:ILE:HG21	2.39	0.52
1:E:375:PHE:CZ	1:E:389:ILE:CG1	2.93	0.52
1:E:428:GLU:HG2	1:E:432:LYS:HZ3	1.74	0.52
1:E:458:LEU:HD22	1:E:491:PHE:CD1	2.45	0.52
1:E:466:TYR:CG	1:E:470:HIS:CD2	2.97	0.52
1:E:563:ARG:HE	1:E:1037:UNK:CB	2.23	0.52
1:F:11:GLN:CD	1:F:103:THR:HA	2.29	0.52
1:G:508:TRP:HD1	1:G:509:ASN:H	1.56	0.52
1:G:563:ARG:HE	1:G:1037:UNK:CB	2.23	0.52
1:H:11:GLN:CD	1:H:103:THR:HA	2.29	0.52
1:H:40:LEU:HG	1:H:44:GLU:CB	2.40	0.52
1:H:184:LYS:HD2	1:H:191:THR:CG2	2.39	0.52
1:H:304:TYR:OH	3:H:1402:DTP:H2	2.09	0.52
1:I:179:PHE:HZ	1:I:237:TYR:HE1	1.57	0.52
1:I:375:PHE:CZ	1:I:389:ILE:CG1	2.93	0.52
1:I:466:TYR:CD2	1:I:470:HIS:CD2	2.98	0.52
1:J:39:ILE:HG22	1:J:40:LEU:N	2.24	0.52
1:J:242:LEU:HD12	1:J:260:CYS:SG	2.49	0.52
1:K:8:HIS:O	1:K:12:TYR:HB2	2.09	0.52
1:K:55:VAL:CG1	1:K:132:LEU:HD11	2.39	0.52
1:L:563:ARG:HE	1:L:1037:UNK:CB	2.23	0.52
1:M:148:LEU:HD21	1:M:253:TRP:CH2	2.45	0.52
1:M:357:LEU:HD21	1:M:366:ARG:HD3	1.90	0.52
1:M:437:TYR:CE1	1:M:440:HIS:CG	2.98	0.52
1:M:459:ILE:HG23	1:M:497:LEU:HD12	1.90	0.52
1:M:488:ARG:CD	1:M:494:PHE:HB2	2.29	0.52
1:M:533:PRO:HA	1:M:536:GLU:HB2	1.91	0.52
1:N:55:VAL:CG1	1:N:132:LEU:HD11	2.39	0.52
1:N:138:LEU:HD23	1:N:138:LEU:C	2.29	0.52
1:N:268:PHE:CE2	1:N:270:GLN:CB	2.89	0.52
1:N:427:LEU:HD22	1:N:427:LEU:O	2.10	0.52
1:N:458:LEU:HD22	1:N:491:PHE:CD1	2.45	0.52
1:O:244:LEU:CD2	1:O:262:ILE:HG21	2.39	0.52
1:O:268:PHE:CE2	1:O:270:GLN:CB	2.89	0.52
1:O:533:PRO:HA	1:O:536:GLU:HB2	1.91	0.52
1:P:11:GLN:CD	1:P:103:THR:HA	2.29	0.52
1:P:50:MET:HE3	1:P:60:ARG:HH12	1.74	0.52
1:P:496:PHE:CE1	1:P:558:TYR:CD1	2.97	0.52
1:P:563:ARG:HE	1:P:1037:UNK:CB	2.23	0.52
1:A:576:GLU:OE2	1:A:579:LYS:HE2	2.09	0.52
1:B:104:ARG:O	1:B:107:ILE:HG22	2.10	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:TYR:CZ	1:B:303:LYS:HG2	2.45	0.52
1:B:375:PHE:CD1	1:B:381:ILE:CD1	2.93	0.52
1:C:5:THR:HG21	1:C:73:VAL:CG1	2.37	0.52
1:C:8:HIS:O	1:C:12:TYR:HB2	2.09	0.52
1:C:55:VAL:CG1	1:C:132:LEU:HD11	2.39	0.52
1:C:123:TYR:CZ	1:C:303:LYS:HG2	2.45	0.52
1:C:241:LEU:HD13	1:C:261:LYS:CE	2.34	0.52
1:C:375:PHE:CD1	1:C:381:ILE:CD1	2.93	0.52
1:C:496:PHE:CE1	1:C:558:TYR:CD1	2.97	0.52
1:D:39:ILE:HG22	1:D:40:LEU:N	2.24	0.52
1:D:80:VAL:HG22	1:D:85:TYR:HB3	1.90	0.52
1:D:388:LEU:CD1	1:D:449:ILE:HG13	2.37	0.52
1:D:466:TYR:CG	1:D:470:HIS:CD2	2.97	0.52
1:E:138:LEU:HD12	1:E:263:LEU:CD2	2.36	0.52
1:E:179:PHE:HZ	1:E:237:TYR:HE1	1.57	0.52
1:E:466:TYR:CD2	1:E:470:HIS:CD2	2.98	0.52
1:F:242:LEU:HD12	1:F:260:CYS:SG	2.49	0.52
1:F:496:PHE:CE1	1:F:558:TYR:CD1	2.97	0.52
1:G:85:TYR:CE2	1:G:88:LEU:CD2	2.93	0.52
1:G:120:PHE:O	1:G:121:ALA:HB2	2.08	0.52
1:G:125:VAL:CG1	1:G:300:LEU:HD23	2.40	0.52
1:G:268:PHE:CE2	1:G:270:GLN:CB	2.89	0.52
1:G:268:PHE:CZ	1:G:407:LYS:CB	2.93	0.52
1:G:427:LEU:HD22	1:G:427:LEU:O	2.10	0.52
1:H:53:ASP:OD2	1:H:55:VAL:HB	2.10	0.52
1:H:170:VAL:O	1:H:174:MET:HE2	2.10	0.52
1:H:458:LEU:HD22	1:H:491:PHE:CD1	2.45	0.52
1:H:626:UNK:O	1:H:652:UNK:HA	2.10	0.52
1:I:105:MET:HE2	1:I:106:TYR:CE1	2.45	0.52
1:I:123:TYR:CZ	1:I:303:LYS:HG2	2.45	0.52
1:I:196:LEU:CD2	1:I:224:ILE:HG21	2.39	0.52
1:I:458:LEU:HD22	1:I:491:PHE:CD1	2.45	0.52
1:I:563:ARG:HE	1:I:1037:UNK:CB	2.23	0.52
1:J:375:PHE:CZ	1:J:389:ILE:CG1	2.93	0.52
1:J:466:TYR:CG	1:J:470:HIS:CD2	2.97	0.52
1:J:475:LEU:HD22	1:J:478:ILE:HD11	1.89	0.52
1:K:275:LEU:HD22	1:K:275:LEU:O	2.08	0.52
1:K:375:PHE:CD1	1:K:381:ILE:CD1	2.93	0.52
1:K:449:ILE:O	1:K:453:PHE:HD1	1.92	0.52
1:K:490:VAL:O	1:K:576:GLU:HB2	2.08	0.52
1:L:80:VAL:HG22	1:L:85:TYR:HB3	1.90	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:104:ARG:O	1:L:107:ILE:HG22	2.10	0.52
1:L:123:TYR:CD1	1:L:304:TYR:CA	2.89	0.52
1:L:123:TYR:CZ	1:L:303:LYS:HG2	2.45	0.52
1:L:181:LEU:HD11	1:L:199:LEU:HD23	1.90	0.52
1:L:375:PHE:CD1	1:L:381:ILE:CD1	2.93	0.52
1:L:459:ILE:HG23	1:L:497:LEU:CD1	2.40	0.52
1:L:466:TYR:CD2	1:L:470:HIS:CD2	2.98	0.52
1:M:100:SER:HB3	1:M:102:MET:HE3	1.91	0.52
1:M:196:LEU:HD23	1:M:196:LEU:O	2.10	0.52
1:M:459:ILE:HG23	1:M:497:LEU:CD1	2.40	0.52
1:M:466:TYR:CG	1:M:470:HIS:CD2	2.97	0.52
1:N:40:LEU:HG	1:N:44:GLU:CB	2.40	0.52
1:O:39:ILE:HD13	1:O:75:LYS:HB3	1.87	0.52
1:O:125:VAL:CG1	1:O:300:LEU:HD23	2.40	0.52
1:O:427:LEU:HD22	1:O:427:LEU:O	2.10	0.52
1:O:563:ARG:HE	1:O:1037:UNK:CB	2.23	0.52
1:P:120:PHE:O	1:P:121:ALA:HB2	2.08	0.52
1:P:242:LEU:HD12	1:P:260:CYS:SG	2.49	0.52
1:P:486:LEU:HD13	1:P:488:ARG:NH1	2.25	0.52
1:A:53:ASP:OD2	1:A:55:VAL:HB	2.10	0.52
1:A:100:SER:HB3	1:A:102:MET:HE3	1.91	0.52
1:A:268:PHE:CZ	1:A:407:LYS:CB	2.93	0.52
1:A:304:TYR:OH	3:A:1402:DTP:H2	2.09	0.52
1:A:388:LEU:CD1	1:A:449:ILE:HG13	2.37	0.52
1:A:466:TYR:CG	1:A:470:HIS:CD2	2.97	0.52
1:A:469:SER:HA	1:A:523:PHE:HZ	1.74	0.52
1:B:459:ILE:HG23	1:B:497:LEU:CD1	2.40	0.52
1:B:626:UNK:O	1:B:652:UNK:HA	2.10	0.52
1:C:53:ASP:OD2	1:C:55:VAL:HB	2.10	0.52
1:C:242:LEU:HB2	1:C:262:ILE:HD11	1.90	0.52
1:C:275:LEU:HD22	1:C:275:LEU:O	2.08	0.52
1:C:469:SER:HA	1:C:523:PHE:HZ	1.74	0.52
1:C:532:ASP:HB2	1:C:533:PRO:CD	2.40	0.52
1:D:123:TYR:CZ	1:D:303:LYS:HG2	2.45	0.52
1:D:242:LEU:HD12	1:D:260:CYS:SG	2.49	0.52
1:D:475:LEU:HD22	1:D:478:ILE:HD11	1.89	0.52
1:D:515:LEU:CD1	1:D:519:GLN:HB2	2.39	0.52
1:D:576:GLU:OE2	1:D:579:LYS:HE2	2.09	0.52
1:E:35:MET:CG	1:E:40:LEU:HD22	2.32	0.52
1:E:113:LEU:CD2	1:E:165:CYS:HB3	2.39	0.52
1:E:286:ASP:CG	1:E:288:HIS:HB3	2.31	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:387:SER:HB3	1:E:391:PHE:HE2	1.67	0.52
1:F:50:MET:HE3	1:F:60:ARG:HH12	1.74	0.52
1:F:179:PHE:HZ	1:F:237:TYR:HE1	1.57	0.52
1:F:437:TYR:CE1	1:F:440:HIS:CG	2.98	0.52
1:F:447:TYR:HE1	1:F:482:GLU:HG2	1.75	0.52
1:F:458:LEU:HD22	1:F:491:PHE:CD1	2.45	0.52
1:F:486:LEU:HD13	1:F:488:ARG:NH1	2.25	0.52
1:H:55:VAL:CG1	1:H:132:LEU:HD11	2.39	0.52
1:H:127:ARG:CG	1:H:292:LEU:HD22	2.40	0.52
1:H:183:LEU:HD23	1:H:244:LEU:HB3	1.92	0.52
1:H:196:LEU:HD23	1:H:196:LEU:O	2.10	0.52
1:H:357:LEU:HD21	1:H:366:ARG:HD3	1.90	0.52
1:I:286:ASP:CG	1:I:288:HIS:HB3	2.31	0.52
1:I:491:PHE:HA	1:I:576:GLU:CG	2.36	0.52
1:J:80:VAL:HG22	1:J:85:TYR:HB3	1.90	0.52
1:J:257:ASN:CG	1:J:279:THR:HG23	2.29	0.52
1:J:576:GLU:OE2	1:J:579:LYS:HE2	2.09	0.52
1:K:469:SER:HA	1:K:523:PHE:HZ	1.74	0.52
1:K:496:PHE:CE1	1:K:558:TYR:CD1	2.97	0.52
1:L:20:GLU:HG2	1:L:27:PHE:HE2	1.74	0.52
1:L:145:LYS:HE2	1:L:147:VAL:CG2	2.40	0.52
1:L:196:LEU:HD23	1:L:196:LEU:O	2.10	0.52
1:M:53:ASP:OD2	1:M:55:VAL:HB	2.10	0.52
1:M:268:PHE:CZ	1:M:407:LYS:CB	2.93	0.52
1:N:53:ASP:OD2	1:N:55:VAL:HB	2.10	0.52
1:N:127:ARG:CG	1:N:292:LEU:HD22	2.40	0.52
1:N:196:LEU:HD23	1:N:196:LEU:O	2.10	0.52
1:N:626:UNK:O	1:N:652:UNK:HA	2.10	0.52
1:O:85:TYR:CE2	1:O:88:LEU:CD2	2.93	0.52
1:O:120:PHE:O	1:O:121:ALA:HB2	2.08	0.52
1:O:268:PHE:CZ	1:O:407:LYS:CB	2.93	0.52
1:P:40:LEU:HG	1:P:44:GLU:CB	2.40	0.52
1:P:437:TYR:CE1	1:P:440:HIS:CG	2.98	0.52
1:A:349:LEU:HD23	1:A:426:TYR:CE1	2.43	0.51
1:A:375:PHE:CZ	1:A:389:ILE:CG1	2.93	0.51
1:A:466:TYR:CE1	1:A:470:HIS:CD2	2.99	0.51
1:A:493:ASP:O	1:A:496:PHE:CB	2.56	0.51
1:B:20:GLU:HG2	1:B:27:PHE:HE2	1.74	0.51
1:B:145:LYS:HE2	1:B:147:VAL:CG2	2.40	0.51
1:B:181:LEU:HD11	1:B:199:LEU:HD23	1.90	0.51
1:B:466:TYR:CE1	1:B:470:HIS:CD2	2.99	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:532:ASP:HB2	1:B:533:PRO:CD	2.40	0.51
1:C:85:TYR:CE2	1:C:88:LEU:CD2	2.93	0.51
1:C:459:ILE:HG23	1:C:497:LEU:HD12	1.90	0.51
1:D:85:TYR:CE2	1:D:88:LEU:HG	2.46	0.51
1:D:228:LEU:CD2	1:D:232:LEU:HD13	2.31	0.51
1:D:257:ASN:CG	1:D:279:THR:HG23	2.29	0.51
1:D:466:TYR:CZ	1:D:470:HIS:CD2	2.98	0.51
1:D:466:TYR:CE1	1:D:470:HIS:CD2	2.99	0.51
1:D:563:ARG:HE	1:D:1037:UNK:CB	2.23	0.51
1:E:466:TYR:CZ	1:E:470:HIS:CD2	2.98	0.51
1:F:40:LEU:HG	1:F:44:GLU:CB	2.40	0.51
1:F:379:ALA:HB1	1:F:470:HIS:CE1	2.45	0.51
1:F:532:ASP:HB2	1:F:533:PRO:CD	2.40	0.51
1:G:382:PRO:HA	1:G:419:THR:CB	2.41	0.51
1:H:85:TYR:CE2	1:H:88:LEU:HG	2.46	0.51
1:I:466:TYR:CZ	1:I:470:HIS:CD2	2.98	0.51
1:J:123:TYR:CZ	1:J:303:LYS:HG2	2.45	0.51
1:J:304:TYR:OH	3:J:1402:DTP:H2	2.09	0.51
1:J:466:TYR:CE1	1:J:470:HIS:CD2	2.99	0.51
1:K:5:THR:HG21	1:K:73:VAL:CG1	2.37	0.51
1:K:123:TYR:CZ	1:K:303:LYS:HG2	2.45	0.51
1:K:135:ARG:NE	1:K:136:GLN:HG3	2.25	0.51
1:K:138:LEU:HD23	1:K:138:LEU:C	2.29	0.51
1:K:325:SER:HB2	3:K:1402:DTP:H1'	1.91	0.51
1:K:532:ASP:HB2	1:K:533:PRO:CD	2.40	0.51
1:L:50:MET:HE3	1:L:60:ARG:HH12	1.75	0.51
1:L:375:PHE:CZ	1:L:389:ILE:CG1	2.93	0.51
1:L:466:TYR:CE1	1:L:470:HIS:CD2	2.99	0.51
1:M:304:TYR:OH	3:M:1402:DTP:H2	2.09	0.51
1:M:375:PHE:CZ	1:M:389:ILE:CG1	2.93	0.51
1:M:436:GLU:HG2	1:M:437:TYR:H	1.74	0.51
1:M:469:SER:HA	1:M:523:PHE:HZ	1.74	0.51
1:M:491:PHE:HA	1:M:576:GLU:CG	2.36	0.51
1:M:559:THR:HG23	1:M:1037:UNK:CA	2.39	0.51
1:N:183:LEU:HD23	1:N:244:LEU:HB3	1.92	0.51
1:N:357:LEU:HD21	1:N:366:ARG:HD3	1.90	0.51
1:O:382:PRO:HA	1:O:419:THR:CB	2.41	0.51
1:O:508:TRP:HD1	1:O:509:ASN:H	1.56	0.51
1:P:447:TYR:HE1	1:P:482:GLU:HG2	1.75	0.51
1:P:449:ILE:O	1:P:453:PHE:HD1	1.92	0.51
1:P:458:LEU:HD22	1:P:491:PHE:CD1	2.45	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:532:ASP:HB2	1:P:533:PRO:CD	2.40	0.51
1:A:113:LEU:HB2	1:A:166:LEU:HD11	1.90	0.51
1:A:196:LEU:CD2	1:A:224:ILE:HG21	2.39	0.51
1:A:357:LEU:CD2	1:A:366:ARG:HD3	2.41	0.51
1:A:416:LYS:HE3	1:A:417:GLU:CD	2.31	0.51
1:A:436:GLU:HG2	1:A:437:TYR:H	1.74	0.51
1:A:491:PHE:HA	1:A:576:GLU:CG	2.36	0.51
1:A:559:THR:HG23	1:A:1037:UNK:CA	2.39	0.51
1:B:123:TYR:CD1	1:B:304:TYR:CA	2.89	0.51
1:B:170:VAL:HG23	1:B:171:GLN:N	2.23	0.51
1:B:320:ASN:HD22	1:B:322:ARG:CG	2.24	0.51
1:B:375:PHE:CZ	1:B:389:ILE:CG1	2.93	0.51
1:C:123:TYR:CD1	1:C:304:TYR:CA	2.89	0.51
1:C:135:ARG:NE	1:C:136:GLN:HG3	2.25	0.51
1:C:262:ILE:HG22	1:C:264:LEU:HD12	1.93	0.51
1:C:382:PRO:CD	1:C:385:LEU:HD12	2.41	0.51
1:C:411:VAL:HG23	1:C:412:GLU:N	2.16	0.51
1:C:466:TYR:CE1	1:C:470:HIS:CD2	2.99	0.51
1:C:486:LEU:HD13	1:C:488:ARG:NH1	2.25	0.51
1:D:406:HIS:CD2	1:D:412:GLU:HB2	2.44	0.51
1:E:320:ASN:HD22	1:E:322:ARG:CG	2.24	0.51
1:E:491:PHE:HA	1:E:576:GLU:CG	2.36	0.51
1:F:100:SER:HB3	1:F:102:MET:HE3	1.91	0.51
1:F:106:TYR:CE1	1:F:169:LYS:CB	2.91	0.51
1:F:320:ASN:HD22	1:F:322:ARG:CG	2.24	0.51
1:F:382:PRO:HA	1:F:419:THR:CB	2.41	0.51
1:F:449:ILE:O	1:F:453:PHE:HD1	1.92	0.51
1:F:466:TYR:CD2	1:F:470:HIS:CD2	2.98	0.51
1:G:196:LEU:HD23	1:G:196:LEU:O	2.10	0.51
1:G:436:GLU:HG2	1:G:437:TYR:H	1.74	0.51
1:H:125:VAL:CG1	1:H:300:LEU:HD23	2.40	0.51
1:H:268:PHE:CZ	1:H:407:LYS:CB	2.93	0.51
1:H:357:LEU:HD11	1:H:366:ARG:CD	2.27	0.51
1:H:382:PRO:HA	1:H:419:THR:CB	2.41	0.51
1:I:113:LEU:CD2	1:I:165:CYS:HB3	2.39	0.51
1:I:320:ASN:HD22	1:I:322:ARG:CG	2.24	0.51
1:J:85:TYR:CE2	1:J:88:LEU:HG	2.46	0.51
1:J:286:ASP:CG	1:J:288:HIS:HB3	2.31	0.51
1:J:388:LEU:CD1	1:J:449:ILE:HG13	2.37	0.51
1:J:466:TYR:CZ	1:J:470:HIS:CD2	2.98	0.51
1:J:515:LEU:CD1	1:J:519:GLN:HB2	2.39	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:563:ARG:HE	1:J:1037:UNK:CB	2.23	0.51
1:K:40:LEU:HG	1:K:44:GLU:CB	2.40	0.51
1:K:53:ASP:OD2	1:K:55:VAL:HB	2.10	0.51
1:K:123:TYR:CD1	1:K:304:TYR:CA	2.89	0.51
1:K:151:GLY:HA2	1:K:287:HIS:O	2.09	0.51
1:K:320:ASN:HD22	1:K:322:ARG:CG	2.24	0.51
1:K:375:PHE:CZ	1:K:389:ILE:CG1	2.93	0.51
1:K:382:PRO:CD	1:K:385:LEU:HD12	2.41	0.51
1:K:459:ILE:HG23	1:K:497:LEU:HD12	1.90	0.51
1:K:466:TYR:CE1	1:K:470:HIS:CD2	2.99	0.51
1:L:85:TYR:CE2	1:L:88:LEU:CD2	2.93	0.51
1:L:320:ASN:HD22	1:L:322:ARG:CG	2.24	0.51
1:L:406:HIS:CD2	1:L:412:GLU:HB2	2.44	0.51
1:L:508:TRP:HD1	1:L:509:ASN:H	1.56	0.51
1:L:532:ASP:HB2	1:L:533:PRO:CD	2.40	0.51
1:L:626:UNK:O	1:L:652:UNK:HA	2.10	0.51
1:M:349:LEU:HD23	1:M:426:TYR:CE1	2.43	0.51
1:M:357:LEU:CD2	1:M:366:ARG:HD3	2.41	0.51
1:M:388:LEU:CD1	1:M:449:ILE:HG13	2.37	0.51
1:M:466:TYR:CE1	1:M:470:HIS:CD2	2.99	0.51
1:M:493:ASP:O	1:M:496:PHE:CB	2.56	0.51
1:N:85:TYR:CE2	1:N:88:LEU:HG	2.46	0.51
1:N:268:PHE:CZ	1:N:407:LYS:CB	2.93	0.51
1:N:382:PRO:HA	1:N:419:THR:CB	2.41	0.51
1:N:493:ASP:O	1:N:496:PHE:CB	2.56	0.51
1:O:196:LEU:HD23	1:O:196:LEU:O	2.10	0.51
1:O:528:ILE:HG13	1:O:536:GLU:OE2	2.11	0.51
1:O:626:UNK:O	1:O:652:UNK:HA	2.10	0.51
1:P:100:SER:HB3	1:P:102:MET:HE3	1.91	0.51
1:P:179:PHE:HZ	1:P:237:TYR:HE1	1.57	0.51
1:P:196:LEU:HD23	1:P:196:LEU:O	2.10	0.51
1:P:320:ASN:HD22	1:P:322:ARG:CG	2.24	0.51
1:P:379:ALA:HB1	1:P:470:HIS:CE1	2.45	0.51
1:P:382:PRO:HA	1:P:419:THR:CB	2.41	0.51
1:A:113:LEU:HD13	1:A:166:LEU:HG	1.93	0.51
1:A:135:ARG:NE	1:A:136:GLN:HG3	2.25	0.51
1:A:382:PRO:CD	1:A:385:LEU:HD12	2.41	0.51
1:A:428:GLU:HG2	1:A:432:LYS:HZ3	1.75	0.51
1:A:458:LEU:HD22	1:A:491:PHE:CD1	2.45	0.51
1:A:528:ILE:HG13	1:A:536:GLU:OE2	2.11	0.51
1:B:85:TYR:CE2	1:B:88:LEU:CD2	2.93	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:406:HIS:CD2	1:B:412:GLU:HB2	2.44	0.51
1:C:40:LEU:HG	1:C:44:GLU:CB	2.40	0.51
1:C:138:LEU:HD23	1:C:138:LEU:C	2.29	0.51
1:C:325:SER:HB2	3:C:1402:DTP:H1'	1.91	0.51
1:C:357:LEU:HD11	1:C:366:ARG:CD	2.27	0.51
1:C:357:LEU:CD2	1:C:366:ARG:HD3	2.41	0.51
1:C:480:HIS:CG	1:C:481:PRO:HD3	2.45	0.51
1:C:559:THR:HG23	1:C:1037:UNK:CA	2.39	0.51
1:D:85:TYR:CE2	1:D:88:LEU:CD2	2.93	0.51
1:D:130:PRO:HG2	1:D:292:LEU:HD23	1.91	0.51
1:D:135:ARG:NE	1:D:136:GLN:HG3	2.25	0.51
1:D:221:ILE:HD13	1:D:222:HIS:H	1.76	0.51
1:D:286:ASP:CG	1:D:288:HIS:HB3	2.31	0.51
1:D:304:TYR:OH	3:D:1402:DTP:H2	2.09	0.51
1:D:320:ASN:HD22	1:D:322:ARG:CG	2.24	0.51
1:E:262:ILE:HG22	1:E:264:LEU:HD12	1.93	0.51
1:E:459:ILE:HG23	1:E:497:LEU:CD1	2.40	0.51
1:E:466:TYR:CE1	1:E:470:HIS:CD2	2.99	0.51
1:F:85:TYR:CE2	1:F:88:LEU:HG	2.46	0.51
1:F:113:LEU:CD2	1:F:165:CYS:HB3	2.39	0.51
1:F:196:LEU:HD23	1:F:196:LEU:O	2.10	0.51
1:F:357:LEU:HD11	1:F:366:ARG:CD	2.27	0.51
1:G:39:ILE:HD13	1:G:75:LYS:HB3	1.87	0.51
1:G:40:LEU:HG	1:G:44:GLU:CB	2.40	0.51
1:G:85:TYR:CE2	1:G:88:LEU:HG	2.46	0.51
1:G:493:ASP:O	1:G:496:PHE:CB	2.56	0.51
1:G:528:ILE:HG13	1:G:536:GLU:OE2	2.11	0.51
1:G:626:UNK:O	1:G:652:UNK:HA	2.10	0.51
1:H:39:ILE:HD13	1:H:75:LYS:HB3	1.87	0.51
1:H:113:LEU:HD13	1:H:166:LEU:HG	1.93	0.51
1:H:369:PHE:HE1	1:H:427:LEU:CD1	2.21	0.51
1:H:493:ASP:O	1:H:496:PHE:CB	2.56	0.51
1:H:528:ILE:HG13	1:H:536:GLU:OE2	2.11	0.51
1:H:563:ARG:HE	1:H:1037:UNK:CB	2.23	0.51
1:I:170:VAL:O	1:I:174:MET:HE2	2.10	0.51
1:I:196:LEU:HD23	1:I:196:LEU:O	2.10	0.51
1:I:326:ILE:CG1	1:I:348:LYS:HB2	2.39	0.51
1:I:459:ILE:HG23	1:I:497:LEU:CD1	2.40	0.51
1:I:466:TYR:CE1	1:I:470:HIS:CD2	2.99	0.51
1:J:221:ILE:HD13	1:J:222:HIS:H	1.76	0.51
1:J:406:HIS:CD2	1:J:412:GLU:HB2	2.44	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:447:TYR:CE1	1:J:482:GLU:CG	2.94	0.51
1:K:85:TYR:CE2	1:K:88:LEU:CD2	2.93	0.51
1:K:125:VAL:HG21	1:K:297:VAL:HG22	1.90	0.51
1:K:242:LEU:HB2	1:K:262:ILE:HD11	1.90	0.51
1:K:262:ILE:HG22	1:K:264:LEU:HD12	1.93	0.51
1:K:357:LEU:CD2	1:K:366:ARG:HD3	2.41	0.51
1:K:480:HIS:CG	1:K:481:PRO:HD3	2.45	0.51
1:K:559:THR:HG23	1:K:1037:UNK:CA	2.39	0.51
1:L:428:GLU:HG2	1:L:432:LYS:HZ3	1.75	0.51
1:M:113:LEU:HD13	1:M:166:LEU:HG	1.93	0.51
1:M:135:ARG:NE	1:M:136:GLN:HG3	2.25	0.51
1:M:196:LEU:CD2	1:M:224:ILE:HG21	2.39	0.51
1:M:382:PRO:CD	1:M:385:LEU:HD12	2.41	0.51
1:M:416:LYS:HE3	1:M:417:GLU:CD	2.31	0.51
1:M:449:ILE:O	1:M:453:PHE:HD1	1.92	0.51
1:M:528:ILE:HG13	1:M:536:GLU:OE2	2.11	0.51
1:N:50:MET:HE3	1:N:60:ARG:HH12	1.74	0.51
1:N:113:LEU:HD13	1:N:166:LEU:HG	1.93	0.51
1:N:125:VAL:CG1	1:N:300:LEU:HD23	2.40	0.51
1:N:369:PHE:HE1	1:N:427:LEU:CD1	2.21	0.51
1:N:528:ILE:HG13	1:N:536:GLU:OE2	2.11	0.51
1:N:563:ARG:HE	1:N:1037:UNK:CB	2.23	0.51
1:O:85:TYR:CE2	1:O:88:LEU:HG	2.46	0.51
1:O:436:GLU:HG2	1:O:437:TYR:H	1.74	0.51
1:O:493:ASP:O	1:O:496:PHE:CB	2.56	0.51
1:P:85:TYR:CE2	1:P:88:LEU:CD2	2.93	0.51
1:P:85:TYR:CE2	1:P:88:LEU:HG	2.46	0.51
1:P:113:LEU:CD2	1:P:165:CYS:HB3	2.39	0.51
1:P:459:ILE:HG23	1:P:497:LEU:CD1	2.40	0.51
1:P:466:TYR:CD2	1:P:470:HIS:CD2	2.98	0.51
1:A:33:GLN:HA	1:A:33:GLN:OE1	2.11	0.51
1:A:104:ARG:O	1:A:107:ILE:HG22	2.10	0.51
1:A:279:THR:HG22	1:B:115:ASN:CA	2.41	0.51
1:A:359:VAL:HG12	1:A:360:LEU:HD12	1.92	0.51
1:A:532:ASP:HB2	1:A:533:PRO:CD	2.40	0.51
1:B:416:LYS:HE3	1:B:417:GLU:CD	2.31	0.51
1:B:466:TYR:CG	1:B:470:HIS:CD2	2.97	0.51
1:B:493:ASP:O	1:B:496:PHE:CB	2.56	0.51
1:C:19:PHE:HE2	1:K:87:PHE:CB	2.08	0.51
1:C:104:ARG:O	1:C:107:ILE:HG22	2.10	0.51
1:C:125:VAL:HG21	1:C:297:VAL:HG22	1.90	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:151:GLY:HA2	1:C:287:HIS:O	2.09	0.51
1:C:279:THR:HG22	1:D:115:ASN:CA	2.41	0.51
1:C:320:ASN:HD22	1:C:322:ARG:CG	2.24	0.51
1:C:375:PHE:CZ	1:C:389:ILE:CG1	2.93	0.51
1:C:458:LEU:HD22	1:C:491:PHE:CD1	2.45	0.51
1:C:601:UNK:CB	1:C:601:UNK:O	2.59	0.51
1:D:20:GLU:HG2	1:D:27:PHE:HE2	1.74	0.51
1:D:279:THR:HG22	1:E:115:ASN:CA	2.41	0.51
1:D:447:TYR:CE1	1:D:482:GLU:CG	2.94	0.51
1:D:532:ASP:HB2	1:D:533:PRO:CD	2.40	0.51
1:E:196:LEU:HD23	1:E:196:LEU:O	2.10	0.51
1:E:382:PRO:HA	1:E:419:THR:CB	2.41	0.51
1:E:447:TYR:CE1	1:E:482:GLU:CG	2.94	0.51
1:E:475:LEU:HD22	1:E:478:ILE:HD11	1.89	0.51
1:F:85:TYR:CE2	1:F:88:LEU:CD2	2.93	0.51
1:F:436:GLU:HG2	1:F:437:TYR:H	1.74	0.51
1:F:459:ILE:HG23	1:F:497:LEU:CD1	2.40	0.51
1:G:235:LYS:HB3	1:G:236:PRO:CD	2.40	0.51
1:G:286:ASP:CG	1:G:288:HIS:HB3	2.31	0.51
1:G:532:ASP:HB2	1:G:533:PRO:CD	2.40	0.51
1:H:266:THR:HG22	1:H:267:ARG:N	2.26	0.51
1:H:325:SER:HB2	3:H:1402:DTP:H1'	1.91	0.51
1:H:416:LYS:HE3	1:H:417:GLU:CD	2.31	0.51
1:H:437:TYR:CE1	1:H:440:HIS:CG	2.98	0.51
1:I:50:MET:HE3	1:I:60:ARG:HH12	1.75	0.51
1:I:115:ASN:CA	1:J:279:THR:HG22	2.41	0.51
1:I:262:ILE:HG22	1:I:264:LEU:HD12	1.93	0.51
1:I:382:PRO:HA	1:I:419:THR:CB	2.41	0.51
1:I:447:TYR:CE1	1:I:482:GLU:CG	2.94	0.51
1:I:532:ASP:HB2	1:I:533:PRO:CD	2.40	0.51
1:I:626:UNK:O	1:I:652:UNK:HA	2.10	0.51
1:J:50:MET:HE3	1:J:60:ARG:HH12	1.75	0.51
1:J:85:TYR:CE2	1:J:88:LEU:CD2	2.93	0.51
1:J:115:ASN:CA	1:K:279:THR:HG22	2.41	0.51
1:J:135:ARG:NE	1:J:136:GLN:HG3	2.25	0.51
1:J:320:ASN:HD22	1:J:322:ARG:CG	2.24	0.51
1:K:447:TYR:CE1	1:K:482:GLU:CG	2.94	0.51
1:K:486:LEU:HD13	1:K:488:ARG:NH1	2.25	0.51
1:K:601:UNK:CB	1:K:601:UNK:O	2.59	0.51
1:L:113:LEU:HD13	1:L:166:LEU:HG	1.93	0.51
1:L:115:ASN:CA	1:M:279:THR:HG22	2.41	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:170:VAL:HG23	1:L:171:GLN:N	2.23	0.51
1:L:268:PHE:CZ	1:L:407:LYS:CB	2.93	0.51
1:L:427:LEU:O	1:L:427:LEU:HD22	2.10	0.51
1:L:559:THR:HG23	1:L:1037:UNK:CA	2.39	0.51
1:M:33:GLN:HA	1:M:33:GLN:OE1	2.11	0.51
1:M:113:LEU:HB2	1:M:166:LEU:HD11	1.90	0.51
1:M:382:PRO:HA	1:M:419:THR:CB	2.41	0.51
1:N:39:ILE:HD13	1:N:75:LYS:HB3	1.87	0.51
1:N:266:THR:HG22	1:N:267:ARG:N	2.26	0.51
1:N:357:LEU:HD11	1:N:366:ARG:CD	2.27	0.51
1:N:416:LYS:HE3	1:N:417:GLU:CD	2.31	0.51
1:N:437:TYR:CE1	1:N:440:HIS:CG	2.98	0.51
1:N:459:ILE:HG23	1:N:497:LEU:CD1	2.40	0.51
1:O:40:LEU:HG	1:O:44:GLU:CB	2.40	0.51
1:O:286:ASP:CG	1:O:288:HIS:HB3	2.31	0.51
1:P:53:ASP:OD2	1:P:55:VAL:HB	2.10	0.51
1:P:106:TYR:CE1	1:P:169:LYS:CB	2.91	0.51
1:P:353:ILE:HG23	1:P:430:LYS:HD2	1.91	0.51
1:P:466:TYR:CZ	1:P:470:HIS:CD2	2.98	0.51
1:A:85:TYR:CE2	1:A:88:LEU:HG	2.46	0.51
1:A:382:PRO:HA	1:A:419:THR:CB	2.41	0.51
1:A:437:TYR:CD1	1:A:440:HIS:CD2	2.99	0.51
1:A:449:ILE:O	1:A:453:PHE:HD1	1.92	0.51
1:B:87:PHE:CB	1:J:19:PHE:HZ	2.13	0.51
1:B:113:LEU:HD13	1:B:166:LEU:HG	1.93	0.51
1:B:183:LEU:HD23	1:B:244:LEU:HB3	1.92	0.51
1:B:266:THR:HG22	1:B:267:ARG:N	2.26	0.51
1:B:268:PHE:CZ	1:B:407:LYS:CB	2.93	0.51
1:B:286:ASP:HB3	1:B:288:HIS:C	2.31	0.51
1:B:427:LEU:HD22	1:B:427:LEU:O	2.10	0.51
1:B:576:GLU:OE2	1:B:579:LYS:HE2	2.09	0.51
1:C:87:PHE:CB	1:K:19:PHE:HE2	2.07	0.51
1:C:221:ILE:HD13	1:C:222:HIS:H	1.76	0.51
1:C:447:TYR:CE1	1:C:482:GLU:CG	2.94	0.51
1:C:466:TYR:CZ	1:C:470:HIS:CD2	2.98	0.51
1:C:563:ARG:HE	1:C:1037:UNK:CB	2.23	0.51
1:C:564:ILE:O	1:C:567:MET:HE3	2.11	0.51
1:D:19:PHE:HZ	1:L:87:PHE:CB	2.13	0.51
1:D:50:MET:HE3	1:D:60:ARG:HH12	1.75	0.51
1:D:125:VAL:CG1	1:D:300:LEU:HD23	2.40	0.51
1:D:179:PHE:HZ	1:D:237:TYR:HE1	1.57	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:375:PHE:CD1	1:D:381:ILE:CD1	2.93	0.51
1:D:601:UNK:CB	1:D:601:UNK:O	2.59	0.51
1:E:181:LEU:CD1	1:E:199:LEU:HD23	2.41	0.51
1:E:183:LEU:HD23	1:E:244:LEU:HB3	1.92	0.51
1:E:325:SER:HB2	3:E:1402:DTP:H1'	1.91	0.51
1:E:326:ILE:CG1	1:E:348:LYS:HB2	2.39	0.51
1:E:532:ASP:HB2	1:E:533:PRO:CD	2.40	0.51
1:F:53:ASP:OD2	1:F:55:VAL:HB	2.10	0.51
1:F:104:ARG:O	1:F:107:ILE:HG22	2.10	0.51
1:F:127:ARG:CG	1:F:292:LEU:HD22	2.40	0.51
1:F:235:LYS:HB3	1:F:236:PRO:CD	2.40	0.51
1:F:1115:UNK:O	1:F:1129:UNK:HA	2.11	0.51
1:G:181:LEU:CD1	1:G:199:LEU:HD23	2.41	0.51
1:G:437:TYR:CD1	1:G:440:HIS:CD2	2.99	0.51
1:G:459:ILE:HG23	1:G:497:LEU:CD1	2.40	0.51
1:H:113:LEU:CD2	1:H:165:CYS:HB3	2.39	0.51
1:H:459:ILE:HG23	1:H:497:LEU:CD1	2.40	0.51
1:H:466:TYR:CZ	1:H:470:HIS:CD2	2.98	0.51
1:H:466:TYR:CE1	1:H:470:HIS:CD2	2.99	0.51
1:I:35:MET:CG	1:I:40:LEU:HD22	2.32	0.51
1:I:181:LEU:CD1	1:I:199:LEU:HD23	2.41	0.51
1:I:193:LEU:HD22	1:I:224:ILE:CD1	2.39	0.51
1:J:20:GLU:HG2	1:J:27:PHE:HE2	1.74	0.51
1:J:27:PHE:HB2	1:J:30:LYS:HE2	1.93	0.51
1:J:130:PRO:HG2	1:J:292:LEU:HD23	1.91	0.51
1:J:532:ASP:HB2	1:J:533:PRO:CD	2.40	0.51
1:J:601:UNK:CB	1:J:601:UNK:O	2.59	0.51
1:K:85:TYR:CE2	1:K:88:LEU:HG	2.46	0.51
1:K:104:ARG:O	1:K:107:ILE:HG22	2.10	0.51
1:K:221:ILE:HD13	1:K:222:HIS:H	1.76	0.51
1:K:406:HIS:CD2	1:K:412:GLU:HB2	2.44	0.51
1:K:436:GLU:HG2	1:K:437:TYR:H	1.74	0.51
1:K:458:LEU:HD22	1:K:491:PHE:CD1	2.45	0.51
1:L:183:LEU:HD23	1:L:244:LEU:HB3	1.92	0.51
1:L:266:THR:HG22	1:L:267:ARG:N	2.26	0.51
1:L:286:ASP:HB3	1:L:288:HIS:C	2.31	0.51
1:L:416:LYS:HE3	1:L:417:GLU:CD	2.31	0.51
1:L:466:TYR:CG	1:L:470:HIS:CD2	2.97	0.51
1:L:493:ASP:O	1:L:496:PHE:CB	2.56	0.51
1:L:576:GLU:OE2	1:L:579:LYS:HE2	2.09	0.51
1:M:85:TYR:CE2	1:M:88:LEU:HG	2.46	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:104:ARG:O	1:M:107:ILE:HG22	2.10	0.51
1:M:127:ARG:CG	1:M:292:LEU:HD22	2.40	0.51
1:M:359:VAL:HG12	1:M:360:LEU:HD12	1.93	0.51
1:M:375:PHE:CD1	1:M:381:ILE:CD1	2.93	0.51
1:M:385:LEU:HD13	1:M:466:TYR:CB	2.40	0.51
1:M:458:LEU:HD22	1:M:491:PHE:CD1	2.45	0.51
1:N:385:LEU:HD13	1:N:466:TYR:CB	2.40	0.51
1:O:181:LEU:CD1	1:O:199:LEU:HD23	2.41	0.51
1:O:235:LYS:HB3	1:O:236:PRO:CD	2.40	0.51
1:O:357:LEU:CD2	1:O:366:ARG:HD3	2.41	0.51
1:O:532:ASP:HB2	1:O:533:PRO:CD	2.40	0.51
1:P:104:ARG:O	1:P:107:ILE:HG22	2.10	0.51
1:P:127:ARG:CG	1:P:292:LEU:HD22	2.40	0.51
1:P:235:LYS:HB3	1:P:236:PRO:CD	2.40	0.51
1:P:1115:UNK:O	1:P:1129:UNK:HA	2.11	0.51
1:A:127:ARG:CG	1:A:292:LEU:HD22	2.40	0.51
1:A:375:PHE:CD1	1:A:381:ILE:CD1	2.93	0.51
1:A:385:LEU:HD13	1:A:466:TYR:CB	2.40	0.51
1:A:427:LEU:HD22	1:A:427:LEU:O	2.10	0.51
1:A:466:TYR:CZ	1:A:470:HIS:CD2	2.98	0.51
1:B:235:LYS:HB3	1:B:236:PRO:CD	2.40	0.51
1:B:559:THR:HG23	1:B:1037:UNK:CA	2.39	0.51
1:C:85:TYR:CE2	1:C:88:LEU:HG	2.46	0.51
1:C:113:LEU:HD13	1:C:166:LEU:HG	1.93	0.51
1:C:148:LEU:HD21	1:C:253:TRP:CH2	2.45	0.51
1:C:406:HIS:CD2	1:C:412:GLU:HB2	2.44	0.51
1:D:27:PHE:HB2	1:D:30:LYS:HE2	1.93	0.51
1:D:183:LEU:HD23	1:D:244:LEU:HB3	1.92	0.51
1:D:325:SER:HB2	3:D:1402:DTP:H1'	1.91	0.51
1:D:1115:UNK:O	1:D:1129:UNK:HA	2.11	0.51
1:E:40:LEU:HG	1:E:44:GLU:CB	2.40	0.51
1:E:52:LYS:HB2	1:E:52:LYS:HZ3	1.75	0.51
1:E:85:TYR:CE2	1:E:88:LEU:CD2	2.93	0.51
1:E:266:THR:HG22	1:E:267:ARG:N	2.26	0.51
1:E:359:VAL:HG12	1:E:360:LEU:HD12	1.92	0.51
1:E:601:UNK:CB	1:E:601:UNK:O	2.59	0.51
1:E:626:UNK:O	1:E:652:UNK:HA	2.10	0.51
1:F:353:ILE:HG23	1:F:430:LYS:HD2	1.91	0.51
1:F:447:TYR:CE1	1:F:482:GLU:CG	2.94	0.51
1:G:357:LEU:CD2	1:G:366:ARG:HD3	2.41	0.51
1:G:437:TYR:CE1	1:G:440:HIS:CG	2.98	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:181:LEU:CD1	1:H:199:LEU:HD23	2.41	0.51
1:H:357:LEU:CD2	1:H:366:ARG:HD3	2.41	0.51
1:H:385:LEU:HD13	1:H:466:TYR:CB	2.40	0.51
1:H:436:GLU:HG2	1:H:437:TYR:H	1.74	0.51
1:I:33:GLN:HA	1:I:33:GLN:OE1	2.11	0.51
1:I:52:LYS:HB2	1:I:52:LYS:HZ3	1.75	0.51
1:I:183:LEU:HD23	1:I:244:LEU:HB3	1.92	0.51
1:I:266:THR:HG22	1:I:267:ARG:N	2.26	0.51
1:I:325:SER:HB2	3:I:1402:DTP:H1'	1.91	0.51
1:I:475:LEU:HD22	1:I:478:ILE:HD11	1.89	0.51
1:I:601:UNK:CB	1:I:601:UNK:O	2.59	0.51
1:J:125:VAL:CG1	1:J:300:LEU:HD23	2.40	0.51
1:J:179:PHE:HZ	1:J:237:TYR:HE1	1.57	0.51
1:J:183:LEU:HD23	1:J:244:LEU:HB3	1.92	0.51
1:J:268:PHE:CZ	1:J:407:LYS:CB	2.93	0.51
1:J:375:PHE:CD1	1:J:381:ILE:CD1	2.93	0.51
1:J:436:GLU:HG2	1:J:437:TYR:H	1.74	0.51
1:J:1115:UNK:O	1:J:1129:UNK:HA	2.11	0.51
1:K:466:TYR:CZ	1:K:470:HIS:CD2	2.98	0.51
1:K:563:ARG:HE	1:K:1037:UNK:CB	2.23	0.51
1:L:39:ILE:HG22	1:L:40:LEU:N	2.24	0.51
1:L:385:LEU:HD13	1:L:466:TYR:CB	2.40	0.51
1:L:449:ILE:O	1:L:453:PHE:HD1	1.92	0.51
1:L:488:ARG:CD	1:L:494:PHE:HB2	2.29	0.51
1:M:379:ALA:HB1	1:M:470:HIS:CE1	2.45	0.51
1:M:437:TYR:CD1	1:M:440:HIS:CD2	2.99	0.51
1:M:495:ARG:NE	1:M:561:LEU:HD12	2.21	0.51
1:M:532:ASP:HB2	1:M:533:PRO:CD	2.40	0.51
1:N:181:LEU:CD1	1:N:199:LEU:HD23	2.41	0.51
1:N:325:SER:HB2	3:N:1402:DTP:H1'	1.91	0.51
1:N:447:TYR:CE1	1:N:482:GLU:CG	2.94	0.51
1:N:466:TYR:CZ	1:N:470:HIS:CD2	2.98	0.51
1:N:466:TYR:CE1	1:N:470:HIS:CD2	2.99	0.51
1:O:411:VAL:HG23	1:O:412:GLU:N	2.16	0.51
1:O:437:TYR:CD1	1:O:440:HIS:CD2	2.99	0.51
1:O:437:TYR:CE1	1:O:440:HIS:CG	2.98	0.51
1:O:447:TYR:CE1	1:O:482:GLU:CG	2.94	0.51
1:O:449:ILE:O	1:O:453:PHE:HD1	1.92	0.51
1:O:459:ILE:HG23	1:O:497:LEU:CD1	2.40	0.51
1:P:125:VAL:CG1	1:P:300:LEU:HD23	2.40	0.51
1:P:436:GLU:HG2	1:P:437:TYR:H	1.74	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:447:TYR:CE1	1:P:482:GLU:CG	2.94	0.51
1:P:528:ILE:HG13	1:P:536:GLU:OE2	2.11	0.51
1:B:379:ALA:HB1	1:B:470:HIS:CE1	2.45	0.51
1:B:385:LEU:HD13	1:B:466:TYR:CB	2.40	0.51
1:B:436:GLU:HG2	1:B:437:TYR:H	1.74	0.51
1:B:458:LEU:HD22	1:B:491:PHE:CD1	2.45	0.51
1:B:488:ARG:CD	1:B:494:PHE:HB2	2.29	0.51
1:B:546:LEU:HB3	1:B:547:PRO:HD3	1.93	0.51
1:C:127:ARG:CG	1:C:292:LEU:HD22	2.40	0.51
1:C:200:LEU:HD13	1:C:208:THR:CG2	2.33	0.51
1:C:436:GLU:HG2	1:C:437:TYR:H	1.74	0.51
1:C:483:ARG:CG	1:C:487:PHE:CD1	2.94	0.51
1:C:515:LEU:CD1	1:C:519:GLN:HB2	2.39	0.51
1:D:33:GLN:HA	1:D:33:GLN:OE1	2.11	0.51
1:D:268:PHE:CZ	1:D:407:LYS:CB	2.93	0.51
1:D:427:LEU:O	1:D:427:LEU:HD22	2.10	0.51
1:D:466:TYR:CE2	1:D:470:HIS:CD2	2.99	0.51
1:D:546:LEU:HB3	1:D:547:PRO:HD3	1.93	0.51
1:E:33:GLN:HA	1:E:33:GLN:OE1	2.11	0.51
1:E:221:ILE:HD13	1:E:222:HIS:H	1.76	0.51
1:E:357:LEU:CD2	1:E:366:ARG:HD3	2.41	0.51
1:F:27:PHE:HB2	1:F:30:LYS:HE2	1.93	0.51
1:F:466:TYR:CD1	1:F:470:HIS:CD2	2.99	0.51
1:F:528:ILE:HG13	1:F:536:GLU:OE2	2.11	0.51
1:F:601:UNK:CB	1:F:601:UNK:O	2.59	0.51
1:G:447:TYR:CE1	1:G:482:GLU:CG	2.94	0.51
1:G:449:ILE:O	1:G:453:PHE:HD1	1.92	0.51
1:G:483:ARG:CG	1:G:487:PHE:CD1	2.94	0.51
1:H:104:ARG:O	1:H:107:ILE:HG22	2.10	0.51
1:H:286:ASP:HB3	1:H:288:HIS:C	2.31	0.51
1:H:447:TYR:CE1	1:H:482:GLU:CG	2.94	0.51
1:H:466:TYR:CD1	1:H:470:HIS:CD2	2.99	0.51
1:H:483:ARG:CG	1:H:487:PHE:CD1	2.94	0.51
1:I:27:PHE:HB2	1:I:30:LYS:HE2	1.93	0.51
1:I:85:TYR:CE2	1:I:88:LEU:CD2	2.93	0.51
1:I:104:ARG:O	1:I:107:ILE:HG22	2.10	0.51
1:I:221:ILE:HD13	1:I:222:HIS:H	1.76	0.51
1:I:357:LEU:CD2	1:I:366:ARG:HD3	2.41	0.51
1:I:359:VAL:HG12	1:I:360:LEU:HD12	1.92	0.51
1:J:325:SER:HB2	3:J:1402:DTP:H1'	1.91	0.51
1:J:466:TYR:CE2	1:J:470:HIS:CD2	2.99	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:483:ARG:CG	1:J:487:PHE:CD1	2.94	0.51
1:J:546:LEU:HB3	1:J:547:PRO:HD3	1.93	0.51
1:K:33:GLN:HA	1:K:33:GLN:OE1	2.11	0.51
1:K:113:LEU:HD13	1:K:166:LEU:HG	1.93	0.51
1:K:148:LEU:HD21	1:K:253:TRP:CH2	2.45	0.51
1:K:179:PHE:HZ	1:K:237:TYR:HE1	1.57	0.51
1:K:483:ARG:CG	1:K:487:PHE:CD1	2.94	0.51
1:L:235:LYS:HB3	1:L:236:PRO:CD	2.40	0.51
1:L:301:LEU:CD2	1:L:324:LEU:HD21	2.39	0.51
1:L:379:ALA:HB1	1:L:470:HIS:CE1	2.45	0.51
1:L:447:TYR:CE1	1:L:482:GLU:CG	2.94	0.51
1:M:123:TYR:CZ	1:M:303:LYS:HG2	2.45	0.51
1:M:145:LYS:HE2	1:M:147:VAL:CG2	2.40	0.51
1:M:427:LEU:HD22	1:M:427:LEU:O	2.10	0.51
1:M:466:TYR:CZ	1:M:470:HIS:CD2	2.98	0.51
1:N:104:ARG:O	1:N:107:ILE:HG22	2.10	0.51
1:N:113:LEU:CD2	1:N:165:CYS:HB3	2.39	0.51
1:N:357:LEU:CD2	1:N:366:ARG:HD3	2.41	0.51
1:N:382:PRO:CD	1:N:385:LEU:HD12	2.41	0.51
1:N:436:GLU:HG2	1:N:437:TYR:H	1.74	0.51
1:N:449:ILE:O	1:N:453:PHE:HD1	1.92	0.51
1:N:466:TYR:CD1	1:N:470:HIS:CD2	2.99	0.51
1:N:479:GLU:CB	1:N:481:PRO:HD2	2.27	0.51
1:N:483:ARG:CG	1:N:487:PHE:CD1	2.94	0.51
1:O:33:GLN:HA	1:O:33:GLN:OE1	2.11	0.51
1:O:63:TRP:HE1	1:O:124:ASN:HD21	1.56	0.51
1:O:320:ASN:HD22	1:O:322:ARG:CG	2.24	0.51
1:O:483:ARG:CG	1:O:487:PHE:CD1	2.94	0.51
1:P:466:TYR:CD1	1:P:470:HIS:CD2	2.99	0.51
1:A:115:ASN:CA	1:H:279:THR:HG22	2.41	0.51
1:A:125:VAL:CG1	1:A:300:LEU:HD23	2.40	0.51
1:A:145:LYS:HE2	1:A:147:VAL:CG2	2.40	0.51
1:A:179:PHE:HZ	1:A:237:TYR:HE1	1.57	0.51
1:A:379:ALA:HB1	1:A:470:HIS:CE1	2.45	0.51
1:B:39:ILE:HG22	1:B:40:LEU:N	2.24	0.51
1:B:301:LEU:CD2	1:B:324:LEU:HD21	2.39	0.51
1:B:447:TYR:CE1	1:B:482:GLU:CG	2.94	0.51
1:B:449:ILE:O	1:B:453:PHE:HD1	1.92	0.51
1:B:466:TYR:CZ	1:B:470:HIS:CD2	2.98	0.51
1:C:33:GLN:HA	1:C:33:GLN:OE1	2.11	0.51
1:C:179:PHE:HZ	1:C:237:TYR:HE1	1.57	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:183:LEU:HD23	1:C:244:LEU:HB3	1.92	0.51
1:C:266:THR:HG22	1:C:267:ARG:N	2.26	0.51
1:C:416:LYS:HE3	1:C:417:GLU:CD	2.31	0.51
1:C:427:LEU:HD22	1:C:427:LEU:O	2.10	0.51
1:C:528:ILE:HG13	1:C:536:GLU:OE2	2.11	0.51
1:C:576:GLU:OE2	1:C:579:LYS:HE2	2.09	0.51
1:D:113:LEU:HD13	1:D:166:LEU:HG	1.93	0.51
1:D:436:GLU:HG2	1:D:437:TYR:H	1.74	0.51
1:D:483:ARG:CG	1:D:487:PHE:CD1	2.94	0.51
1:E:27:PHE:HB2	1:E:30:LYS:HE2	1.93	0.51
1:E:104:ARG:O	1:E:107:ILE:HG22	2.10	0.51
1:E:193:LEU:HD22	1:E:224:ILE:CD1	2.39	0.51
1:E:268:PHE:CZ	1:E:407:LYS:CB	2.93	0.51
1:F:125:VAL:CG1	1:F:300:LEU:HD23	2.40	0.51
1:F:181:LEU:CD1	1:F:199:LEU:HD23	2.41	0.51
1:F:357:LEU:CD2	1:F:366:ARG:HD3	2.41	0.51
1:G:33:GLN:HA	1:G:33:GLN:OE1	2.11	0.51
1:G:320:ASN:HD22	1:G:322:ARG:CG	2.24	0.51
1:G:416:LYS:HE3	1:G:417:GLU:CD	2.31	0.51
1:G:466:TYR:CD1	1:G:470:HIS:CD2	2.99	0.51
1:G:466:TYR:CE2	1:G:470:HIS:CD2	2.99	0.51
1:G:469:SER:HA	1:G:523:PHE:HZ	1.74	0.51
1:H:50:MET:HE3	1:H:60:ARG:HH12	1.75	0.51
1:H:382:PRO:CD	1:H:385:LEU:HD12	2.41	0.51
1:H:449:ILE:O	1:H:453:PHE:HD1	1.92	0.51
1:I:40:LEU:HG	1:I:44:GLU:CB	2.40	0.51
1:I:268:PHE:CZ	1:I:407:LYS:CB	2.93	0.51
1:I:388:LEU:CD1	1:I:449:ILE:HG13	2.37	0.51
1:J:113:LEU:HD13	1:J:166:LEU:HG	1.93	0.51
1:K:127:ARG:CG	1:K:292:LEU:HD22	2.40	0.51
1:K:183:LEU:HD23	1:K:244:LEU:HB3	1.92	0.51
1:K:416:LYS:HE3	1:K:417:GLU:CD	2.31	0.51
1:K:564:ILE:O	1:K:567:MET:HE3	2.11	0.51
1:K:576:GLU:OE2	1:K:579:LYS:HE2	2.09	0.51
1:L:458:LEU:HD22	1:L:491:PHE:CD1	2.45	0.51
1:L:546:LEU:HB3	1:L:547:PRO:HD3	1.93	0.51
1:L:601:UNK:CB	1:L:601:UNK:O	2.59	0.51
1:M:125:VAL:CG1	1:M:300:LEU:HD23	2.40	0.51
1:M:179:PHE:HZ	1:M:237:TYR:HE1	1.57	0.51
1:M:181:LEU:CD1	1:M:199:LEU:HD23	2.41	0.51
1:M:286:ASP:HB3	1:M:288:HIS:C	2.31	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:447:TYR:CE1	1:M:482:GLU:CG	2.94	0.51
1:M:546:LEU:HB3	1:M:547:PRO:HD3	1.93	0.51
1:N:286:ASP:HB3	1:N:288:HIS:C	2.31	0.51
1:N:353:ILE:HG23	1:N:430:LYS:HD2	1.91	0.51
1:N:466:TYR:CE2	1:N:470:HIS:CD2	2.99	0.51
1:O:466:TYR:CD1	1:O:470:HIS:CD2	2.99	0.51
1:O:466:TYR:CE2	1:O:470:HIS:CD2	2.99	0.51
1:P:27:PHE:HB2	1:P:30:LYS:HE2	1.93	0.51
1:P:262:ILE:HG22	1:P:264:LEU:HD12	1.93	0.51
1:P:357:LEU:HD11	1:P:366:ARG:CD	2.27	0.51
1:A:123:TYR:CZ	1:A:303:LYS:HG2	2.45	0.51
1:A:181:LEU:CD1	1:A:199:LEU:HD23	2.41	0.51
1:A:286:ASP:HB3	1:A:288:HIS:C	2.31	0.51
1:A:320:ASN:HD22	1:A:322:ARG:CG	2.24	0.51
1:A:447:TYR:CE1	1:A:482:GLU:CG	2.94	0.51
1:A:480:HIS:CG	1:A:481:PRO:HD3	2.45	0.51
1:A:495:ARG:NE	1:A:561:LEU:HD12	2.21	0.51
1:A:546:LEU:HB3	1:A:547:PRO:HD3	1.93	0.51
1:B:85:TYR:CE2	1:B:88:LEU:HG	2.46	0.51
1:B:125:VAL:CG1	1:B:300:LEU:HD23	2.40	0.51
1:B:601:UNK:CB	1:B:601:UNK:O	2.59	0.51
1:C:382:PRO:HA	1:C:419:THR:CB	2.41	0.51
1:C:466:TYR:CD1	1:C:470:HIS:CG	2.99	0.51
1:D:184:LYS:HD3	1:D:185:ASN:N	2.26	0.51
1:D:382:PRO:CD	1:D:385:LEU:HD12	2.41	0.51
1:D:437:TYR:CD1	1:D:440:HIS:CD2	2.99	0.51
1:E:125:VAL:CG1	1:E:300:LEU:HD23	2.40	0.51
1:F:148:LEU:HD21	1:F:253:TRP:CH2	2.45	0.51
1:F:564:ILE:O	1:F:567:MET:HE3	2.11	0.51
1:G:27:PHE:HB2	1:G:30:LYS:HE2	1.93	0.51
1:G:63:TRP:HE1	1:G:124:ASN:HD21	1.56	0.51
1:G:184:LYS:HD3	1:G:185:ASN:N	2.26	0.51
1:G:262:ILE:HG22	1:G:264:LEU:HD12	1.93	0.51
1:G:279:THR:HG22	1:H:115:ASN:CA	2.41	0.51
1:G:385:LEU:HD13	1:G:466:TYR:CB	2.40	0.51
1:H:33:GLN:HA	1:H:33:GLN:OE1	2.11	0.51
1:H:286:ASP:CG	1:H:288:HIS:HB3	2.31	0.51
1:H:466:TYR:CE2	1:H:470:HIS:CD2	2.99	0.51
1:H:479:GLU:CB	1:H:481:PRO:HD2	2.27	0.51
1:J:33:GLN:OE1	1:J:33:GLN:HA	2.11	0.51
1:J:184:LYS:HD3	1:J:185:ASN:N	2.26	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:427:LEU:HD22	1:J:427:LEU:O	2.10	0.51
1:J:437:TYR:CD1	1:J:440:HIS:CD2	2.99	0.51
1:K:266:THR:HG22	1:K:267:ARG:N	2.26	0.51
1:K:357:LEU:HD11	1:K:366:ARG:CD	2.27	0.51
1:K:379:ALA:HB1	1:K:470:HIS:CE1	2.45	0.51
1:K:382:PRO:HA	1:K:419:THR:CB	2.41	0.51
1:K:515:LEU:CD1	1:K:519:GLN:HB2	2.39	0.51
1:K:528:ILE:HG13	1:K:536:GLU:OE2	2.11	0.51
1:L:125:VAL:CG1	1:L:300:LEU:HD23	2.40	0.51
1:L:436:GLU:HG2	1:L:437:TYR:H	1.74	0.51
1:L:466:TYR:CZ	1:L:470:HIS:CD2	2.98	0.51
1:L:528:ILE:HG13	1:L:536:GLU:OE2	2.11	0.51
1:M:40:LEU:HG	1:M:44:GLU:CB	2.40	0.51
1:M:115:ASN:CA	1:N:279:THR:HG22	2.41	0.51
1:M:320:ASN:HD22	1:M:322:ARG:CG	2.24	0.51
1:M:480:HIS:CG	1:M:481:PRO:HD3	2.45	0.51
1:N:115:ASN:CA	1:O:279:THR:HG22	2.41	0.51
1:N:179:PHE:HZ	1:N:237:TYR:HE1	1.57	0.51
1:N:286:ASP:CG	1:N:288:HIS:HB3	2.31	0.51
1:O:27:PHE:HB2	1:O:30:LYS:HE2	1.93	0.51
1:O:184:LYS:HD3	1:O:185:ASN:N	2.26	0.51
1:O:385:LEU:HD13	1:O:466:TYR:CB	2.40	0.51
1:O:416:LYS:HE3	1:O:417:GLU:CD	2.31	0.51
1:O:458:LEU:HD22	1:O:491:PHE:CD1	2.45	0.51
1:P:181:LEU:CD1	1:P:199:LEU:HD23	2.41	0.51
1:P:268:PHE:CZ	1:P:407:LYS:CB	2.93	0.51
1:P:357:LEU:CD2	1:P:366:ARG:HD3	2.41	0.51
1:A:40:LEU:HG	1:A:44:GLU:CB	2.40	0.51
1:A:47:HIS:CE1	1:A:60:ARG:HH11	2.30	0.51
1:A:120:PHE:CD1	1:A:122:LYS:CA	2.94	0.51
1:A:123:TYR:CE2	1:A:303:LYS:CD	2.94	0.51
1:A:466:TYR:CD1	1:A:470:HIS:CD2	2.99	0.51
1:A:478:ILE:HG13	1:A:479:GLU:H	1.76	0.51
1:B:123:TYR:CD2	1:B:303:LYS:CG	2.94	0.51
1:B:135:ARG:NE	1:B:136:GLN:HG3	2.25	0.51
1:B:466:TYR:CD1	1:B:470:HIS:CG	2.99	0.51
1:C:379:ALA:HB1	1:C:470:HIS:CE1	2.45	0.51
1:D:447:TYR:HE1	1:D:482:GLU:HG2	1.75	0.51
1:E:106:TYR:CE1	1:E:169:LYS:CB	2.91	0.51
1:E:123:TYR:CE2	1:E:303:LYS:CD	2.94	0.51
1:E:279:THR:HG22	1:F:115:ASN:CA	2.41	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:466:TYR:CE2	1:E:470:HIS:CD2	2.99	0.51
1:E:1115:UNK:O	1:E:1129:UNK:HA	2.11	0.51
1:F:33:GLN:OE1	1:F:33:GLN:HA	2.11	0.51
1:F:130:PRO:HG2	1:F:292:LEU:HD23	1.91	0.51
1:F:262:ILE:HG22	1:F:264:LEU:HD12	1.93	0.51
1:F:268:PHE:CZ	1:F:407:LYS:CB	2.93	0.51
1:F:325:SER:HB2	3:F:1402:DTP:H1'	1.91	0.51
1:F:466:TYR:CE1	1:F:470:HIS:CD2	2.99	0.51
1:F:466:TYR:CE2	1:F:470:HIS:CD2	2.99	0.51
1:F:483:ARG:CG	1:F:487:PHE:CD1	2.94	0.51
1:G:113:LEU:HD13	1:G:166:LEU:HG	1.93	0.51
1:G:253:TRP:CE2	1:G:271:VAL:CG1	2.95	0.51
1:G:266:THR:HG22	1:G:267:ARG:N	2.26	0.51
1:G:411:VAL:HG23	1:G:412:GLU:N	2.16	0.51
1:G:458:LEU:HD22	1:G:491:PHE:CD1	2.45	0.51
1:G:466:TYR:CE1	1:G:470:HIS:CD2	2.99	0.51
1:G:486:LEU:HD13	1:G:488:ARG:NH1	2.25	0.51
1:G:515:LEU:CD1	1:G:519:GLN:HB2	2.39	0.51
1:H:179:PHE:HZ	1:H:237:TYR:HE1	1.57	0.51
1:H:353:ILE:HG23	1:H:430:LYS:HD2	1.91	0.51
1:I:123:TYR:CE2	1:I:303:LYS:CD	2.94	0.51
1:I:257:ASN:OD1	1:I:279:THR:HG21	2.08	0.51
1:I:279:THR:HG22	1:P:115:ASN:CA	2.41	0.51
1:I:466:TYR:CE2	1:I:470:HIS:CD2	2.99	0.51
1:J:382:PRO:CD	1:J:385:LEU:HD12	2.41	0.51
1:K:125:VAL:CG1	1:K:300:LEU:HD23	2.40	0.51
1:K:181:LEU:CD1	1:K:199:LEU:HD23	2.41	0.51
1:K:268:PHE:CZ	1:K:407:LYS:CB	2.93	0.51
1:K:427:LEU:HD22	1:K:427:LEU:O	2.10	0.51
1:K:466:TYR:CD1	1:K:470:HIS:CG	2.99	0.51
1:L:382:PRO:CD	1:L:385:LEU:HD12	2.41	0.51
1:L:466:TYR:CD1	1:L:470:HIS:CG	2.99	0.51
1:L:480:HIS:CG	1:L:481:PRO:HD3	2.45	0.51
1:M:123:TYR:CE2	1:M:303:LYS:CD	2.94	0.51
1:M:466:TYR:CD1	1:M:470:HIS:CD2	2.99	0.51
1:M:466:TYR:CE1	1:M:470:HIS:CB	2.94	0.51
1:N:33:GLN:OE1	1:N:33:GLN:HA	2.11	0.51
1:O:262:ILE:HG22	1:O:264:LEU:HD12	1.93	0.51
1:O:466:TYR:CE1	1:O:470:HIS:CD2	2.99	0.51
1:O:469:SER:HA	1:O:523:PHE:HZ	1.74	0.51
1:O:486:LEU:HD13	1:O:488:ARG:NH1	2.25	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:148:LEU:HD21	1:P:253:TRP:CH2	2.45	0.51
1:P:466:TYR:CE2	1:P:470:HIS:CD2	2.99	0.51
1:P:483:ARG:CG	1:P:487:PHE:CD1	2.94	0.51
1:P:564:ILE:O	1:P:567:MET:HE3	2.11	0.51
1:A:253:TRP:CE2	1:A:271:VAL:CG1	2.95	0.50
1:A:402:VAL:O	1:A:406:HIS:HB2	2.11	0.50
1:A:466:TYR:CE1	1:A:470:HIS:CB	2.95	0.50
1:B:221:ILE:HD13	1:B:222:HIS:H	1.76	0.50
1:B:447:TYR:HE1	1:B:482:GLU:HG2	1.75	0.50
1:B:480:HIS:CG	1:B:481:PRO:HD3	2.45	0.50
1:B:528:ILE:HG13	1:B:536:GLU:OE2	2.11	0.50
1:C:123:TYR:CD2	1:C:303:LYS:CG	2.94	0.50
1:C:125:VAL:CG1	1:C:300:LEU:HD23	2.40	0.50
1:C:181:LEU:CD1	1:C:199:LEU:HD23	2.41	0.50
1:C:268:PHE:CZ	1:C:407:LYS:CB	2.93	0.50
1:C:459:ILE:HG23	1:C:497:LEU:CD1	2.40	0.50
1:C:466:TYR:CE2	1:C:470:HIS:CD2	2.99	0.50
1:D:123:TYR:CE2	1:D:303:LYS:CD	2.94	0.50
1:D:196:LEU:CD2	1:D:224:ILE:HG21	2.39	0.50
1:D:528:ILE:HG13	1:D:536:GLU:OE2	2.11	0.50
1:E:123:TYR:CD2	1:E:303:LYS:CG	2.94	0.50
1:F:123:TYR:CD2	1:F:303:LYS:CG	2.94	0.50
1:F:135:ARG:NE	1:F:136:GLN:HG3	2.25	0.50
1:G:33:GLN:HA	1:G:36:PRO:HG2	1.93	0.50
1:G:253:TRP:CE3	1:G:275:LEU:CB	2.95	0.50
1:H:123:TYR:CE2	1:H:303:LYS:CD	2.94	0.50
1:H:184:LYS:HD3	1:H:185:ASN:N	2.26	0.50
1:H:320:ASN:HD22	1:H:322:ARG:CG	2.24	0.50
1:H:402:VAL:O	1:H:406:HIS:HB2	2.12	0.50
1:I:125:VAL:CG1	1:I:300:LEU:HD23	2.40	0.50
1:I:257:ASN:CG	1:I:279:THR:HG23	2.29	0.50
1:I:268:PHE:CZ	1:I:270:GLN:CG	2.95	0.50
1:I:1115:UNK:O	1:I:1129:UNK:HA	2.11	0.50
1:J:123:TYR:CE2	1:J:303:LYS:CD	2.94	0.50
1:J:266:THR:HG22	1:J:267:ARG:N	2.26	0.50
1:K:123:TYR:CD2	1:K:303:LYS:CG	2.94	0.50
1:K:200:LEU:HD13	1:K:208:THR:CG2	2.33	0.50
1:K:466:TYR:CE2	1:K:470:HIS:CD2	2.99	0.50
1:L:47:HIS:CE1	1:L:60:ARG:HH11	2.30	0.50
1:L:85:TYR:CE2	1:L:88:LEU:HG	2.46	0.50
1:L:123:TYR:CD2	1:L:303:LYS:CG	2.94	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:135:ARG:NE	1:L:136:GLN:HG3	2.25	0.50
1:L:221:ILE:HD13	1:L:222:HIS:H	1.76	0.50
1:L:357:LEU:CD2	1:L:366:ARG:HD3	2.41	0.50
1:L:564:ILE:O	1:L:567:MET:HE3	2.11	0.50
1:M:7:GLU:HG2	1:M:107:ILE:HD13	1.93	0.50
1:M:12:TYR:CD2	1:M:16:LEU:CD2	2.95	0.50
1:M:120:PHE:CD1	1:M:122:LYS:CA	2.94	0.50
1:M:152:VAL:CG2	1:M:410:LEU:HD11	2.40	0.50
1:M:253:TRP:CE2	1:M:271:VAL:CG1	2.95	0.50
1:M:326:ILE:CG1	1:M:348:LYS:HB2	2.39	0.50
1:M:402:VAL:O	1:M:406:HIS:HB2	2.11	0.50
1:M:428:GLU:HG2	1:M:432:LYS:HZ3	1.76	0.50
1:M:478:ILE:HG13	1:M:479:GLU:H	1.76	0.50
1:N:123:TYR:CE2	1:N:303:LYS:CD	2.94	0.50
1:N:184:LYS:HD3	1:N:185:ASN:N	2.26	0.50
1:N:402:VAL:O	1:N:406:HIS:HB2	2.12	0.50
1:O:33:GLN:HA	1:O:36:PRO:HG2	1.93	0.50
1:O:113:LEU:HD13	1:O:166:LEU:HG	1.93	0.50
1:O:127:ARG:CG	1:O:292:LEU:HD22	2.40	0.50
1:O:253:TRP:CE3	1:O:275:LEU:CB	2.95	0.50
1:O:253:TRP:CE2	1:O:271:VAL:CG1	2.95	0.50
1:O:266:THR:HG22	1:O:267:ARG:N	2.26	0.50
1:O:402:VAL:O	1:O:406:HIS:HB2	2.11	0.50
1:O:515:LEU:CD1	1:O:519:GLN:HB2	2.39	0.50
1:P:123:TYR:CD2	1:P:303:LYS:CG	2.94	0.50
1:P:253:TRP:CE3	1:P:275:LEU:CB	2.94	0.50
1:P:325:SER:HB2	3:P:1402:DTP:H1'	1.91	0.50
1:P:375:PHE:CZ	1:P:389:ILE:CG1	2.93	0.50
1:P:466:TYR:CE1	1:P:470:HIS:CD2	2.99	0.50
1:A:12:TYR:CD2	1:A:16:LEU:CD2	2.95	0.50
1:A:106:TYR:CE1	1:A:169:LYS:CB	2.91	0.50
1:A:152:VAL:CG2	1:A:410:LEU:HD11	2.40	0.50
1:A:262:ILE:HG22	1:A:264:LEU:HD12	1.93	0.50
1:A:268:PHE:CZ	1:A:270:GLN:CG	2.95	0.50
1:A:326:ILE:HG23	1:A:327:ILE:N	2.27	0.50
1:A:1115:UNK:O	1:A:1129:UNK:HA	2.11	0.50
1:B:47:HIS:CE1	1:B:60:ARG:HH11	2.30	0.50
1:B:123:TYR:CE2	1:B:303:LYS:CD	2.94	0.50
1:B:382:PRO:CD	1:B:385:LEU:HD12	2.41	0.50
1:B:479:GLU:CB	1:B:481:PRO:HD2	2.27	0.50
1:B:483:ARG:CG	1:B:487:PHE:CD1	2.94	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:564:ILE:O	1:B:567:MET:HE3	2.10	0.50
1:C:27:PHE:HB2	1:C:30:LYS:HE2	1.93	0.50
1:D:181:LEU:CD1	1:D:199:LEU:HD23	2.41	0.50
1:D:326:ILE:HG23	1:D:327:ILE:N	2.27	0.50
1:D:379:ALA:HB1	1:D:470:HIS:CE1	2.45	0.50
1:D:458:LEU:HD22	1:D:491:PHE:CD1	2.45	0.50
1:D:478:ILE:HG13	1:D:479:GLU:H	1.76	0.50
1:E:148:LEU:HD21	1:E:253:TRP:CH2	2.45	0.50
1:E:268:PHE:CZ	1:E:270:GLN:CG	2.95	0.50
1:E:453:PHE:CD2	1:E:461:PRO:HG2	2.40	0.50
1:E:515:LEU:CD1	1:E:519:GLN:HB2	2.39	0.50
1:F:123:TYR:CD1	1:F:304:TYR:CA	2.89	0.50
1:F:253:TRP:CE3	1:F:275:LEU:CB	2.94	0.50
1:F:382:PRO:CD	1:F:385:LEU:HD12	2.41	0.50
1:G:127:ARG:CG	1:G:292:LEU:HD22	2.40	0.50
1:G:268:PHE:CZ	1:G:270:GLN:CG	2.95	0.50
1:G:359:VAL:HG12	1:G:360:LEU:HD12	1.92	0.50
1:G:402:VAL:O	1:G:406:HIS:HB2	2.11	0.50
1:H:12:TYR:CD2	1:H:16:LEU:CD2	2.95	0.50
1:H:135:ARG:NE	1:H:136:GLN:HG3	2.25	0.50
1:H:466:TYR:CE1	1:H:470:HIS:CB	2.95	0.50
1:H:469:SER:HA	1:H:523:PHE:HZ	1.74	0.50
1:I:123:TYR:CD2	1:I:303:LYS:CG	2.94	0.50
1:I:127:ARG:CG	1:I:292:LEU:HD22	2.40	0.50
1:I:148:LEU:HD21	1:I:253:TRP:CH2	2.45	0.50
1:I:286:ASP:HB3	1:I:288:HIS:C	2.31	0.50
1:I:402:VAL:O	1:I:406:HIS:HB2	2.11	0.50
1:I:416:LYS:HE3	1:I:417:GLU:CD	2.31	0.50
1:I:469:SER:HA	1:I:523:PHE:HZ	1.74	0.50
1:I:515:LEU:CD1	1:I:519:GLN:HB2	2.39	0.50
1:J:126:SER:H	1:J:296:GLU:CG	2.25	0.50
1:J:262:ILE:HG22	1:J:264:LEU:HD12	1.93	0.50
1:J:379:ALA:HB1	1:J:470:HIS:CE1	2.45	0.50
1:J:447:TYR:HE1	1:J:482:GLU:HG2	1.75	0.50
1:K:27:PHE:HB2	1:K:30:LYS:HE2	1.93	0.50
1:K:235:LYS:HB3	1:K:236:PRO:CD	2.40	0.50
1:K:459:ILE:HG23	1:K:497:LEU:CD1	2.40	0.50
1:K:1115:UNK:O	1:K:1129:UNK:HA	2.11	0.50
1:L:123:TYR:CE2	1:L:303:LYS:CD	2.94	0.50
1:L:179:PHE:HZ	1:L:237:TYR:HE1	1.57	0.50
1:L:483:ARG:CG	1:L:487:PHE:CD1	2.94	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:47:HIS:CE1	1:M:60:ARG:HH11	2.30	0.50
1:M:262:ILE:HG22	1:M:264:LEU:HD12	1.93	0.50
1:M:326:ILE:HG23	1:M:327:ILE:N	2.27	0.50
1:M:1115:UNK:O	1:M:1129:UNK:HA	2.11	0.50
1:N:12:TYR:CD2	1:N:16:LEU:CD2	2.95	0.50
1:N:253:TRP:CE3	1:N:275:LEU:CB	2.94	0.50
1:N:320:ASN:HD22	1:N:322:ARG:CG	2.24	0.50
1:N:469:SER:HA	1:N:523:PHE:HZ	1.74	0.50
1:O:268:PHE:CZ	1:O:270:GLN:CG	2.95	0.50
1:P:33:GLN:HA	1:P:33:GLN:OE1	2.11	0.50
1:P:47:HIS:CE1	1:P:60:ARG:HH11	2.30	0.50
1:P:123:TYR:CD1	1:P:304:TYR:CA	2.89	0.50
1:P:266:THR:HG22	1:P:267:ARG:N	2.26	0.50
1:P:286:ASP:CG	1:P:288:HIS:HB3	2.31	0.50
1:P:382:PRO:CD	1:P:385:LEU:HD12	2.41	0.50
1:A:7:GLU:HG2	1:A:107:ILE:HD13	1.94	0.50
1:A:466:TYR:CD1	1:A:470:HIS:CG	2.99	0.50
1:B:33:GLN:OE1	1:B:33:GLN:HA	2.11	0.50
1:B:179:PHE:CD1	1:B:242:LEU:CD2	2.95	0.50
1:B:222:HIS:NE2	1:C:201:TYR:HB2	2.27	0.50
1:B:268:PHE:CZ	1:B:270:GLN:CG	2.95	0.50
1:B:357:LEU:CD2	1:B:366:ARG:HD3	2.41	0.50
1:B:437:TYR:CD1	1:B:440:HIS:CD2	2.99	0.50
1:B:486:LEU:HD13	1:B:488:ARG:NH1	2.25	0.50
1:C:184:LYS:HD3	1:C:185:ASN:N	2.26	0.50
1:C:193:LEU:HD22	1:C:224:ILE:CD1	2.39	0.50
1:C:235:LYS:HB3	1:C:236:PRO:CD	2.40	0.50
1:C:436:GLU:HG2	1:C:437:TYR:N	2.27	0.50
1:C:437:TYR:CD1	1:C:440:HIS:CD2	2.99	0.50
1:C:1115:UNK:O	1:C:1129:UNK:HA	2.11	0.50
1:D:126:SER:H	1:D:296:GLU:CG	2.25	0.50
1:D:266:THR:HG22	1:D:267:ARG:N	2.26	0.50
1:D:402:VAL:O	1:D:406:HIS:HB2	2.12	0.50
1:D:492:LEU:CD1	1:D:565:ALA:HB2	2.42	0.50
1:D:559:THR:HG23	1:D:1036:UNK:CB	2.42	0.50
1:E:85:TYR:CE2	1:E:88:LEU:HG	2.46	0.50
1:E:120:PHE:CD1	1:E:122:LYS:CA	2.94	0.50
1:E:127:ARG:CG	1:E:292:LEU:HD22	2.40	0.50
1:E:179:PHE:CD1	1:E:242:LEU:CD2	2.95	0.50
1:E:257:ASN:OD1	1:E:279:THR:HG21	2.08	0.50
1:E:286:ASP:HB3	1:E:288:HIS:C	2.31	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:402:VAL:O	1:E:406:HIS:HB2	2.11	0.50
1:E:416:LYS:HE3	1:E:417:GLU:CD	2.31	0.50
1:E:437:TYR:CD1	1:E:440:HIS:CD2	2.99	0.50
1:E:466:TYR:CD1	1:E:470:HIS:CD2	2.99	0.50
1:F:47:HIS:CE1	1:F:60:ARG:HH11	2.30	0.50
1:F:222:HIS:NE2	1:G:201:TYR:HB2	2.27	0.50
1:F:266:THR:HG22	1:F:267:ARG:N	2.26	0.50
1:F:286:ASP:CG	1:F:288:HIS:HB3	2.31	0.50
1:F:375:PHE:CZ	1:F:389:ILE:CG1	2.93	0.50
1:G:135:ARG:NE	1:G:136:GLN:HG3	2.25	0.50
1:G:222:HIS:NE2	1:H:201:TYR:HB2	2.27	0.50
1:G:349:LEU:HD23	1:G:426:TYR:CE1	2.43	0.50
1:G:466:TYR:CZ	1:G:470:HIS:CD2	2.98	0.50
1:G:484:MET:HA	1:G:489:MET:HE1	1.93	0.50
1:H:40:LEU:CG	1:H:64:THR:HG21	2.33	0.50
1:H:148:LEU:HD21	1:H:253:TRP:CH2	2.45	0.50
1:H:253:TRP:CE3	1:H:275:LEU:CB	2.94	0.50
1:H:492:LEU:HD11	1:H:565:ALA:HB2	1.94	0.50
1:H:523:PHE:HD1	1:H:527:TYR:HE2	1.59	0.50
1:I:11:GLN:CG	1:I:106:TYR:HD2	2.14	0.50
1:I:85:TYR:CE2	1:I:88:LEU:HG	2.46	0.50
1:I:106:TYR:CE1	1:I:169:LYS:CB	2.91	0.50
1:I:120:PHE:CD1	1:I:122:LYS:CA	2.94	0.50
1:I:126:SER:H	1:I:296:GLU:CG	2.25	0.50
1:I:179:PHE:CD1	1:I:242:LEU:CD2	2.95	0.50
1:I:201:TYR:HB2	1:J:222:HIS:NE2	2.27	0.50
1:I:453:PHE:CD2	1:I:461:PRO:HG2	2.40	0.50
1:I:466:TYR:CD1	1:I:470:HIS:CD2	2.99	0.50
1:J:148:LEU:HD21	1:J:253:TRP:CH2	2.45	0.50
1:J:196:LEU:CD2	1:J:224:ILE:HG21	2.39	0.50
1:J:326:ILE:HG23	1:J:327:ILE:N	2.27	0.50
1:J:357:LEU:CD2	1:J:366:ARG:HD3	2.41	0.50
1:J:453:PHE:CD2	1:J:461:PRO:HG2	2.40	0.50
1:J:478:ILE:HG13	1:J:479:GLU:H	1.76	0.50
1:J:492:LEU:CD1	1:J:565:ALA:HB2	2.42	0.50
1:J:528:ILE:HG13	1:J:536:GLU:OE2	2.11	0.50
1:J:559:THR:HG23	1:J:1036:UNK:CB	2.42	0.50
1:K:114:TYR:CE1	1:L:280:THR:CB	2.90	0.50
1:K:193:LEU:HD22	1:K:224:ILE:CD1	2.39	0.50
1:K:201:TYR:HB2	1:L:222:HIS:NE2	2.27	0.50
1:K:286:ASP:HB3	1:K:288:HIS:C	2.31	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:436:GLU:HG2	1:K:437:TYR:N	2.27	0.50
1:K:437:TYR:CD1	1:K:440:HIS:CD2	2.99	0.50
1:K:478:ILE:HG13	1:K:479:GLU:H	1.76	0.50
1:K:491:PHE:HA	1:K:576:GLU:CG	2.36	0.50
1:L:33:GLN:HA	1:L:33:GLN:OE1	2.11	0.50
1:L:179:PHE:CD1	1:L:242:LEU:CD2	2.95	0.50
1:L:181:LEU:CD1	1:L:199:LEU:HD23	2.41	0.50
1:L:253:TRP:CE2	1:L:271:VAL:CG1	2.95	0.50
1:L:268:PHE:CZ	1:L:270:GLN:CG	2.95	0.50
1:L:402:VAL:O	1:L:406:HIS:HB2	2.12	0.50
1:L:437:TYR:CD1	1:L:440:HIS:CD2	2.99	0.50
1:L:447:TYR:HE1	1:L:482:GLU:HG2	1.75	0.50
1:L:479:GLU:CB	1:L:481:PRO:HD2	2.27	0.50
1:M:106:TYR:CE1	1:M:169:LYS:CB	2.91	0.50
1:M:268:PHE:CZ	1:M:270:GLN:CG	2.95	0.50
1:N:135:ARG:NE	1:N:136:GLN:HG3	2.25	0.50
1:N:201:TYR:HB2	1:O:222:HIS:NE2	2.27	0.50
1:N:466:TYR:CE1	1:N:470:HIS:CB	2.95	0.50
1:N:1115:UNK:O	1:N:1129:UNK:HA	2.11	0.50
1:O:135:ARG:NE	1:O:136:GLN:HG3	2.25	0.50
1:O:201:TYR:HB2	1:P:222:HIS:NE2	2.27	0.50
1:O:286:ASP:HB3	1:O:288:HIS:C	2.31	0.50
1:O:302:LEU:HD22	1:O:307:CYS:H	1.77	0.50
1:O:601:UNK:CB	1:O:601:UNK:O	2.59	0.50
1:P:130:PRO:HG2	1:P:292:LEU:HD23	1.91	0.50
1:P:135:ARG:NE	1:P:136:GLN:HG3	2.25	0.50
1:P:466:TYR:CD1	1:P:470:HIS:CG	2.99	0.50
1:A:326:ILE:CG1	1:A:348:LYS:HB2	2.39	0.50
1:A:466:TYR:CE2	1:A:470:HIS:CD2	2.99	0.50
1:A:559:THR:HG23	1:A:1036:UNK:CB	2.42	0.50
1:B:120:PHE:CD1	1:B:122:LYS:CA	2.94	0.50
1:B:179:PHE:HZ	1:B:237:TYR:HE1	1.57	0.50
1:B:181:LEU:CD1	1:B:199:LEU:HD23	2.41	0.50
1:B:253:TRP:CE2	1:B:271:VAL:CG1	2.95	0.50
1:B:280:THR:CB	1:C:114:TYR:CE1	2.90	0.50
1:B:402:VAL:O	1:B:406:HIS:HB2	2.12	0.50
1:B:466:TYR:CE2	1:B:470:HIS:CD2	2.99	0.50
1:C:47:HIS:CE1	1:C:60:ARG:HH11	2.30	0.50
1:C:90:SER:HB3	1:C:91:PRO:CD	2.42	0.50
1:C:256:PHE:CD2	1:C:262:ILE:CG1	2.95	0.50
1:C:286:ASP:HB3	1:C:288:HIS:C	2.31	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:466:TYR:CE1	1:C:470:HIS:CB	2.95	0.50
1:C:478:ILE:HG13	1:C:479:GLU:H	1.76	0.50
1:D:148:LEU:HD21	1:D:253:TRP:CH2	2.45	0.50
1:D:222:HIS:NE2	1:E:201:TYR:HB2	2.27	0.50
1:D:262:ILE:HG22	1:D:264:LEU:HD12	1.93	0.50
1:D:357:LEU:CD2	1:D:366:ARG:HD3	2.41	0.50
1:D:453:PHE:CD2	1:D:461:PRO:HG2	2.40	0.50
1:D:466:TYR:CD1	1:D:470:HIS:CG	2.99	0.50
1:D:466:TYR:CE1	1:D:470:HIS:CB	2.95	0.50
1:E:126:SER:H	1:E:296:GLU:CG	2.25	0.50
1:E:257:ASN:CG	1:E:279:THR:HG23	2.29	0.50
1:E:469:SER:HA	1:E:523:PHE:HZ	1.74	0.50
1:F:179:PHE:CD1	1:F:242:LEU:CD2	2.95	0.50
1:F:184:LYS:HD3	1:F:185:ASN:N	2.26	0.50
1:F:221:ILE:HD13	1:F:222:HIS:H	1.76	0.50
1:F:385:LEU:HD13	1:F:466:TYR:CB	2.40	0.50
1:F:437:TYR:CD1	1:F:440:HIS:CD2	2.99	0.50
1:F:466:TYR:CD1	1:F:470:HIS:CG	2.99	0.50
1:G:141:LEU:HD23	1:G:143:PRO:HD2	1.94	0.50
1:G:221:ILE:HD13	1:G:222:HIS:H	1.76	0.50
1:G:256:PHE:CD2	1:G:262:ILE:CG1	2.95	0.50
1:G:286:ASP:HB3	1:G:288:HIS:C	2.31	0.50
1:G:302:LEU:HD22	1:G:307:CYS:H	1.77	0.50
1:G:436:GLU:HG2	1:G:437:TYR:N	2.27	0.50
1:H:27:PHE:HB2	1:H:30:LYS:HE2	1.93	0.50
1:H:47:HIS:CE1	1:H:60:ARG:HH11	2.30	0.50
1:H:221:ILE:HD13	1:H:221:ILE:N	2.27	0.50
1:H:253:TRP:CE2	1:H:271:VAL:CG1	2.95	0.50
1:H:1115:UNK:O	1:H:1129:UNK:HA	2.11	0.50
1:I:45:ILE:HG23	1:I:46:ASP:N	2.27	0.50
1:I:113:LEU:HD13	1:I:166:LEU:HG	1.93	0.50
1:I:437:TYR:CD1	1:I:440:HIS:CD2	2.99	0.50
1:I:483:ARG:CG	1:I:487:PHE:CD1	2.94	0.50
1:I:528:ILE:HG13	1:I:536:GLU:OE2	2.11	0.50
1:J:181:LEU:CD1	1:J:199:LEU:HD23	2.41	0.50
1:J:402:VAL:O	1:J:406:HIS:HB2	2.12	0.50
1:J:436:GLU:HG2	1:J:437:TYR:N	2.27	0.50
1:J:458:LEU:HD22	1:J:491:PHE:CD1	2.45	0.50
1:J:466:TYR:CD1	1:J:470:HIS:CG	2.99	0.50
1:J:469:SER:HA	1:J:523:PHE:HZ	1.74	0.50
1:K:20:GLU:HG2	1:K:27:PHE:HE2	1.74	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:47:HIS:CE1	1:K:60:ARG:HH11	2.30	0.50
1:K:90:SER:HB3	1:K:91:PRO:CD	2.42	0.50
1:K:184:LYS:HD3	1:K:185:ASN:N	2.26	0.50
1:K:256:PHE:CD2	1:K:262:ILE:CG1	2.95	0.50
1:L:40:LEU:CD2	1:L:48:ILE:HD13	2.34	0.50
1:L:120:PHE:CD1	1:L:122:LYS:CA	2.94	0.50
1:L:353:ILE:HG23	1:L:430:LYS:HD2	1.91	0.50
1:M:184:LYS:HD3	1:M:185:ASN:N	2.26	0.50
1:M:286:ASP:CG	1:M:288:HIS:HB3	2.31	0.50
1:M:466:TYR:CD1	1:M:470:HIS:CG	2.99	0.50
1:M:466:TYR:CE2	1:M:470:HIS:CD2	2.99	0.50
1:M:559:THR:HG23	1:M:1036:UNK:CB	2.42	0.50
1:N:27:PHE:HB2	1:N:30:LYS:HE2	1.93	0.50
1:N:221:ILE:N	1:N:221:ILE:HD13	2.27	0.50
1:N:228:LEU:CD2	1:N:232:LEU:HD13	2.31	0.50
1:N:437:TYR:CD1	1:N:440:HIS:CD2	2.99	0.50
1:N:492:LEU:HD11	1:N:565:ALA:HB2	1.94	0.50
1:N:523:PHE:HD1	1:N:527:TYR:HE2	1.59	0.50
1:O:104:ARG:O	1:O:107:ILE:HG22	2.10	0.50
1:O:193:LEU:HD22	1:O:224:ILE:CD1	2.39	0.50
1:O:221:ILE:HD13	1:O:222:HIS:H	1.76	0.50
1:O:256:PHE:CD2	1:O:262:ILE:CG1	2.95	0.50
1:O:359:VAL:HG12	1:O:360:LEU:HD12	1.93	0.50
1:O:436:GLU:HG2	1:O:437:TYR:N	2.27	0.50
1:O:466:TYR:CZ	1:O:470:HIS:CD2	2.98	0.50
1:P:123:TYR:CE2	1:P:303:LYS:CD	2.94	0.50
1:P:179:PHE:CD1	1:P:242:LEU:CD2	2.95	0.50
1:P:221:ILE:HD13	1:P:222:HIS:H	1.76	0.50
1:P:253:TRP:CE2	1:P:271:VAL:CG1	2.95	0.50
1:P:385:LEU:HD13	1:P:466:TYR:CB	2.40	0.50
1:A:90:SER:HB3	1:A:91:PRO:CD	2.42	0.50
1:A:123:TYR:CD2	1:A:303:LYS:CG	2.94	0.50
1:A:184:LYS:HD3	1:A:185:ASN:N	2.26	0.50
1:A:286:ASP:CG	1:A:288:HIS:HB3	2.31	0.50
1:B:90:SER:HB3	1:B:91:PRO:CD	2.42	0.50
1:B:130:PRO:HG2	1:B:292:LEU:HD23	1.91	0.50
1:B:221:ILE:HD13	1:B:221:ILE:N	2.27	0.50
1:B:256:PHE:CD2	1:B:262:ILE:CG1	2.95	0.50
1:B:326:ILE:HG23	1:B:327:ILE:N	2.27	0.50
1:B:382:PRO:HA	1:B:419:THR:CB	2.41	0.50
1:C:20:GLU:HG2	1:C:27:PHE:HE2	1.74	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:179:PHE:CD1	1:C:242:LEU:CD2	2.95	0.50
1:C:196:LEU:CD2	1:C:224:ILE:HG21	2.39	0.50
1:C:491:PHE:HA	1:C:576:GLU:CG	2.36	0.50
1:D:33:GLN:HA	1:D:36:PRO:HG2	1.93	0.50
1:D:106:TYR:CE1	1:D:169:LYS:CB	2.91	0.50
1:D:221:ILE:HD13	1:D:221:ILE:N	2.27	0.50
1:D:286:ASP:HB3	1:D:288:HIS:C	2.31	0.50
1:D:382:PRO:HA	1:D:419:THR:CB	2.41	0.50
1:D:436:GLU:HG2	1:D:437:TYR:N	2.27	0.50
1:D:1022:UNK:HA	1:D:1044:UNK:O	2.12	0.50
1:E:45:ILE:HG23	1:E:46:ASP:N	2.27	0.50
1:E:113:LEU:HD13	1:E:166:LEU:HG	1.93	0.50
1:E:184:LYS:HD3	1:E:185:ASN:N	2.26	0.50
1:E:391:PHE:HD1	1:E:398:VAL:HG11	1.72	0.50
1:E:436:GLU:HG2	1:E:437:TYR:N	2.27	0.50
1:E:483:ARG:CG	1:E:487:PHE:CD1	2.94	0.50
1:E:546:LEU:HB3	1:E:547:PRO:HD3	1.93	0.50
1:E:559:THR:HG23	1:E:1036:UNK:CB	2.42	0.50
1:F:123:TYR:CE2	1:F:303:LYS:CD	2.94	0.50
1:F:126:SER:H	1:F:296:GLU:CG	2.25	0.50
1:F:221:ILE:HD13	1:F:221:ILE:N	2.27	0.50
1:F:253:TRP:CE2	1:F:271:VAL:CG1	2.95	0.50
1:F:256:PHE:CD2	1:F:262:ILE:CG1	2.95	0.50
1:F:302:LEU:HD22	1:F:307:CYS:H	1.77	0.50
1:F:402:VAL:O	1:F:406:HIS:HB2	2.12	0.50
1:F:436:GLU:HG2	1:F:437:TYR:N	2.27	0.50
1:G:34:ASP:OD1	1:G:34:ASP:N	2.45	0.50
1:G:104:ARG:O	1:G:107:ILE:HG22	2.10	0.50
1:G:320:ASN:ND2	1:G:323:ARG:H	2.10	0.50
1:G:466:TYR:CD1	1:G:470:HIS:CG	2.99	0.50
1:G:601:UNK:CB	1:G:601:UNK:O	2.59	0.50
1:H:90:SER:HB3	1:H:91:PRO:CD	2.42	0.50
1:H:126:SER:H	1:H:296:GLU:CG	2.25	0.50
1:H:179:PHE:CB	1:H:242:LEU:HD22	2.18	0.50
1:H:200:LEU:HD13	1:H:208:THR:CG2	2.33	0.50
1:H:437:TYR:CD1	1:H:440:HIS:CD2	2.99	0.50
1:I:382:PRO:CD	1:I:385:LEU:HD12	2.41	0.50
1:I:559:THR:HG23	1:I:1036:UNK:CB	2.42	0.50
1:J:33:GLN:HA	1:J:36:PRO:HG2	1.93	0.50
1:J:138:LEU:HD12	1:J:263:LEU:CD2	2.36	0.50
1:J:221:ILE:HD13	1:J:221:ILE:N	2.27	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:326:ILE:CG1	1:J:348:LYS:HB2	2.39	0.50
1:J:382:PRO:HA	1:J:419:THR:CB	2.41	0.50
1:J:466:TYR:CE1	1:J:470:HIS:CB	2.95	0.50
1:J:1022:UNK:HA	1:J:1044:UNK:O	2.12	0.50
1:K:179:PHE:CD1	1:K:242:LEU:CD2	2.95	0.50
1:K:466:TYR:CE1	1:K:470:HIS:CB	2.94	0.50
1:L:90:SER:HB3	1:L:91:PRO:CD	2.42	0.50
1:L:127:ARG:CG	1:L:292:LEU:HD22	2.40	0.50
1:L:221:ILE:HD13	1:L:221:ILE:N	2.27	0.50
1:L:466:TYR:CE1	1:L:470:HIS:CB	2.95	0.50
1:L:466:TYR:CE2	1:L:470:HIS:CD2	2.99	0.50
1:L:486:LEU:HD13	1:L:488:ARG:NH1	2.25	0.50
1:M:90:SER:HB3	1:M:91:PRO:CD	2.42	0.50
1:M:179:PHE:CB	1:M:242:LEU:HD22	2.18	0.50
1:M:201:TYR:HB2	1:N:222:HIS:NE2	2.27	0.50
1:M:492:LEU:HD11	1:M:565:ALA:HB2	1.94	0.50
1:N:47:HIS:CE1	1:N:60:ARG:HH11	2.30	0.50
1:N:126:SER:H	1:N:296:GLU:CG	2.25	0.50
1:N:148:LEU:HD21	1:N:253:TRP:CH2	2.45	0.50
1:N:179:PHE:CB	1:N:242:LEU:HD22	2.18	0.50
1:N:253:TRP:CE2	1:N:271:VAL:CG1	2.95	0.50
1:O:34:ASP:OD1	1:O:34:ASP:N	2.45	0.50
1:O:141:LEU:HD23	1:O:143:PRO:HD2	1.94	0.50
1:O:320:ASN:ND2	1:O:323:ARG:H	2.10	0.50
1:O:349:LEU:HD23	1:O:426:TYR:CE1	2.43	0.50
1:O:466:TYR:CD1	1:O:470:HIS:CG	2.99	0.50
1:P:123:TYR:CD2	1:P:303:LYS:CB	2.94	0.50
1:P:126:SER:H	1:P:296:GLU:CG	2.25	0.50
1:P:221:ILE:HD13	1:P:221:ILE:N	2.27	0.50
1:P:256:PHE:CD2	1:P:262:ILE:CG1	2.95	0.50
1:P:402:VAL:O	1:P:406:HIS:HB2	2.12	0.50
1:P:436:GLU:HG2	1:P:437:TYR:N	2.27	0.50
1:P:437:TYR:CD1	1:P:440:HIS:CD2	2.99	0.50
1:A:179:PHE:CD1	1:A:242:LEU:CD2	2.95	0.50
1:A:201:TYR:HB2	1:H:222:HIS:NE2	2.27	0.50
1:A:492:LEU:HD11	1:A:565:ALA:HB2	1.94	0.50
1:B:12:TYR:CD2	1:B:16:LEU:CD2	2.95	0.50
1:B:100:SER:HB3	1:B:102:MET:HE3	1.92	0.50
1:B:106:TYR:CE1	1:B:169:LYS:CB	2.91	0.50
1:B:127:ARG:CG	1:B:292:LEU:HD22	2.40	0.50
1:B:279:THR:HG22	1:C:115:ASN:CA	2.41	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:375:PHE:CE1	1:B:381:ILE:HD12	2.47	0.50
1:B:466:TYR:CE1	1:B:470:HIS:CB	2.95	0.50
1:B:492:LEU:HD11	1:B:565:ALA:HB2	1.94	0.50
1:B:559:THR:HG23	1:B:1036:UNK:CB	2.42	0.50
1:C:40:LEU:O	1:C:41:SER:O	2.30	0.50
1:C:144:ALA:HA	1:C:261:LYS:CB	2.39	0.50
1:C:222:HIS:NE2	1:D:201:TYR:HB2	2.27	0.50
1:C:268:PHE:CZ	1:C:270:GLN:CG	2.95	0.50
1:D:193:LEU:HD22	1:D:224:ILE:CD1	2.39	0.50
1:D:256:PHE:CD2	1:D:262:ILE:CG1	2.95	0.50
1:D:469:SER:HA	1:D:523:PHE:HZ	1.74	0.50
1:E:40:LEU:O	1:E:41:SER:O	2.30	0.50
1:E:253:TRP:CE3	1:E:275:LEU:CB	2.95	0.50
1:E:326:ILE:HG23	1:E:327:ILE:N	2.27	0.50
1:E:382:PRO:CD	1:E:385:LEU:HD12	2.41	0.50
1:E:528:ILE:HG13	1:E:536:GLU:OE2	2.11	0.50
1:E:1022:UNK:HA	1:E:1044:UNK:O	2.12	0.50
1:F:123:TYR:CD2	1:F:303:LYS:CB	2.94	0.50
1:F:268:PHE:CZ	1:F:270:GLN:CG	2.95	0.50
1:F:559:THR:HG23	1:F:1036:UNK:CB	2.42	0.50
1:G:123:TYR:CD2	1:G:303:LYS:CG	2.94	0.50
1:G:193:LEU:HD22	1:G:224:ILE:CD1	2.39	0.50
1:G:196:LEU:CD2	1:G:224:ILE:HG21	2.39	0.50
1:G:369:PHE:HE1	1:G:427:LEU:CD1	2.21	0.50
1:G:375:PHE:CE1	1:G:381:ILE:HD12	2.47	0.50
1:G:382:PRO:CD	1:G:385:LEU:HD12	2.41	0.50
1:G:492:LEU:CD1	1:G:565:ALA:HB2	2.42	0.50
1:G:559:THR:HA	1:G:1036:UNK:C	2.41	0.50
1:H:268:PHE:CZ	1:H:270:GLN:CG	2.95	0.50
1:H:302:LEU:HD22	1:H:307:CYS:H	1.77	0.50
1:H:532:ASP:HB2	1:H:533:PRO:CD	2.40	0.50
1:H:559:THR:HG23	1:H:1036:UNK:CB	2.42	0.50
1:H:1096:UNK:HA	1:H:1110:UNK:HA	1.94	0.50
1:I:40:LEU:O	1:I:41:SER:O	2.30	0.50
1:I:135:ARG:NE	1:I:136:GLN:HG3	2.25	0.50
1:I:184:LYS:HD3	1:I:185:ASN:N	2.26	0.50
1:I:253:TRP:CE3	1:I:275:LEU:CB	2.95	0.50
1:I:326:ILE:HG23	1:I:327:ILE:N	2.27	0.50
1:I:436:GLU:HG2	1:I:437:TYR:N	2.27	0.50
1:I:546:LEU:HB3	1:I:547:PRO:HD3	1.93	0.50
1:I:1022:UNK:HA	1:I:1044:UNK:O	2.12	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:34:ASP:N	1:J:34:ASP:OD1	2.45	0.50
1:J:90:SER:HB3	1:J:91:PRO:CD	2.42	0.50
1:J:193:LEU:HD22	1:J:224:ILE:CD1	2.39	0.50
1:J:201:TYR:HB2	1:K:222:HIS:NE2	2.27	0.50
1:J:256:PHE:CD2	1:J:262:ILE:CG1	2.95	0.50
1:J:286:ASP:HB3	1:J:288:HIS:C	2.31	0.50
1:K:115:ASN:CA	1:L:279:THR:HG22	2.41	0.50
1:K:144:ALA:HA	1:K:261:LYS:CB	2.39	0.50
1:K:546:LEU:HB3	1:K:547:PRO:HD3	1.93	0.50
1:K:559:THR:HG23	1:K:1036:UNK:CB	2.42	0.50
1:L:256:PHE:CD2	1:L:262:ILE:CG1	2.95	0.50
1:L:326:ILE:HG23	1:L:327:ILE:N	2.27	0.50
1:L:382:PRO:HA	1:L:419:THR:CB	2.41	0.50
1:L:559:THR:HG23	1:L:1036:UNK:CB	2.42	0.50
1:M:123:TYR:CD2	1:M:303:LYS:CG	2.94	0.50
1:M:221:ILE:HD13	1:M:222:HIS:H	1.76	0.50
1:M:492:LEU:CD1	1:M:565:ALA:HB2	2.42	0.50
1:M:1096:UNK:HA	1:M:1110:UNK:HA	1.94	0.50
1:N:40:LEU:CG	1:N:64:THR:HG21	2.33	0.50
1:N:90:SER:HB3	1:N:91:PRO:CD	2.42	0.50
1:N:145:LYS:HE2	1:N:147:VAL:CG2	2.40	0.50
1:N:302:LEU:HD22	1:N:307:CYS:H	1.77	0.50
1:N:559:THR:HG23	1:N:1036:UNK:CB	2.42	0.50
1:N:1096:UNK:HA	1:N:1110:UNK:HA	1.94	0.50
1:O:123:TYR:CD2	1:O:303:LYS:CB	2.94	0.50
1:O:369:PHE:HE1	1:O:427:LEU:CD1	2.21	0.50
1:O:382:PRO:CD	1:O:385:LEU:HD12	2.41	0.50
1:O:446:HIS:HA	1:O:449:ILE:HG22	1.94	0.50
1:O:492:LEU:CD1	1:O:565:ALA:HB2	2.42	0.50
1:P:33:GLN:HA	1:P:36:PRO:HG2	1.93	0.50
1:P:113:LEU:HD13	1:P:166:LEU:HG	1.93	0.50
1:P:184:LYS:HD3	1:P:185:ASN:N	2.26	0.50
1:P:302:LEU:HD22	1:P:307:CYS:H	1.77	0.50
1:P:446:HIS:HA	1:P:449:ILE:HG22	1.94	0.50
1:P:492:LEU:CD1	1:P:565:ALA:HB2	2.42	0.50
1:P:559:THR:HG23	1:P:1036:UNK:CB	2.42	0.50
1:A:221:ILE:HD13	1:A:222:HIS:H	1.76	0.50
1:A:486:LEU:HD13	1:A:488:ARG:NH1	2.25	0.50
1:A:492:LEU:CD1	1:A:565:ALA:HB2	2.42	0.50
1:A:1096:UNK:HA	1:A:1110:UNK:HA	1.94	0.50
1:B:40:LEU:HG	1:B:44:GLU:CB	2.40	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:40:LEU:O	1:B:41:SER:O	2.30	0.50
1:B:286:ASP:CG	1:B:288:HIS:HB3	2.31	0.50
1:B:353:ILE:HG23	1:B:430:LYS:HD2	1.91	0.50
1:B:436:GLU:HG2	1:B:437:TYR:N	2.27	0.50
1:C:559:THR:HG23	1:C:1036:UNK:CB	2.42	0.50
1:D:34:ASP:OD1	1:D:34:ASP:N	2.45	0.50
1:D:90:SER:HB3	1:D:91:PRO:CD	2.42	0.50
1:D:179:PHE:CD1	1:D:242:LEU:CD2	2.95	0.50
1:D:375:PHE:CE1	1:D:381:ILE:HD12	2.47	0.50
1:D:416:LYS:HE3	1:D:417:GLU:CD	2.31	0.50
1:D:564:ILE:O	1:D:567:MET:HE3	2.12	0.50
1:E:11:GLN:CG	1:E:106:TYR:HD2	2.14	0.50
1:E:34:ASP:OD1	1:E:34:ASP:N	2.45	0.50
1:E:47:HIS:CE1	1:E:60:ARG:HH11	2.30	0.50
1:E:135:ARG:NE	1:E:136:GLN:HG3	2.25	0.50
1:E:222:HIS:NE2	1:F:201:TYR:HB2	2.27	0.50
1:E:253:TRP:CE2	1:E:271:VAL:CG1	2.95	0.50
1:E:492:LEU:CD1	1:E:565:ALA:HB2	2.42	0.50
1:F:12:TYR:CD2	1:F:16:LEU:CD2	2.95	0.50
1:F:33:GLN:HA	1:F:36:PRO:HG2	1.93	0.50
1:F:40:LEU:O	1:F:41:SER:O	2.30	0.50
1:F:320:ASN:ND2	1:F:323:ARG:H	2.10	0.50
1:F:446:HIS:HA	1:F:449:ILE:HG22	1.94	0.50
1:F:492:LEU:CD1	1:F:565:ALA:HB2	2.42	0.50
1:G:47:HIS:CE1	1:G:60:ARG:HH11	2.30	0.50
1:G:123:TYR:CD2	1:G:303:LYS:CB	2.94	0.50
1:G:388:LEU:CD1	1:G:449:ILE:HG13	2.37	0.50
1:G:1022:UNK:HA	1:G:1044:UNK:O	2.12	0.50
1:G:1115:UNK:O	1:G:1129:UNK:HA	2.11	0.50
1:H:8:HIS:HB3	1:H:95:GLU:CG	2.41	0.50
1:H:120:PHE:CD1	1:H:122:LYS:CA	2.94	0.50
1:H:228:LEU:CD2	1:H:232:LEU:HD13	2.31	0.50
1:H:256:PHE:CD2	1:H:262:ILE:CG1	2.95	0.50
1:H:320:ASN:ND2	1:H:323:ARG:H	2.10	0.50
1:I:411:VAL:HG23	1:I:412:GLU:N	2.16	0.50
1:I:466:TYR:CD1	1:I:470:HIS:CG	2.99	0.50
1:I:492:LEU:CD1	1:I:565:ALA:HB2	2.42	0.50
1:J:47:HIS:CE1	1:J:60:ARG:HH11	2.30	0.50
1:J:106:TYR:CE1	1:J:169:LYS:CB	2.91	0.50
1:J:375:PHE:CE1	1:J:381:ILE:HD12	2.47	0.50
1:J:416:LYS:HE3	1:J:417:GLU:CD	2.31	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:564:ILE:O	1:J:567:MET:HE3	2.12	0.50
1:K:40:LEU:O	1:K:41:SER:O	2.30	0.50
1:K:196:LEU:CD2	1:K:224:ILE:HG21	2.39	0.50
1:K:268:PHE:CZ	1:K:270:GLN:CG	2.95	0.50
1:K:286:ASP:CG	1:K:288:HIS:HB3	2.31	0.50
1:L:12:TYR:CD2	1:L:16:LEU:CD2	2.95	0.50
1:L:40:LEU:O	1:L:41:SER:O	2.30	0.50
1:L:100:SER:HB3	1:L:102:MET:HE3	1.92	0.50
1:L:106:TYR:CE1	1:L:169:LYS:CB	2.91	0.50
1:L:130:PRO:HG2	1:L:292:LEU:HD23	1.91	0.50
1:L:375:PHE:CE1	1:L:381:ILE:HD12	2.47	0.50
1:L:436:GLU:HG2	1:L:437:TYR:N	2.27	0.50
1:L:492:LEU:HD11	1:L:565:ALA:HB2	1.94	0.50
1:M:114:TYR:CD1	1:N:280:THR:CB	2.83	0.50
1:M:126:SER:H	1:M:296:GLU:CG	2.25	0.50
1:M:179:PHE:CD1	1:M:242:LEU:CD2	2.95	0.50
1:N:256:PHE:CD2	1:N:262:ILE:CG1	2.95	0.50
1:N:268:PHE:CZ	1:N:270:GLN:CG	2.95	0.50
1:N:320:ASN:ND2	1:N:323:ARG:H	2.10	0.50
1:N:436:GLU:HG2	1:N:437:TYR:N	2.27	0.50
1:N:532:ASP:HB2	1:N:533:PRO:CD	2.40	0.50
1:O:90:SER:HB3	1:O:91:PRO:CD	2.42	0.50
1:O:123:TYR:CD2	1:O:303:LYS:CG	2.94	0.50
1:O:142:ARG:CB	1:O:143:PRO:HD3	2.39	0.50
1:O:375:PHE:CE1	1:O:381:ILE:HD12	2.47	0.50
1:O:559:THR:HA	1:O:1036:UNK:C	2.41	0.50
1:O:1022:UNK:HA	1:O:1044:UNK:O	2.12	0.50
1:O:1096:UNK:HA	1:O:1110:UNK:HA	1.94	0.50
1:P:12:TYR:CD2	1:P:16:LEU:CD2	2.95	0.50
1:P:268:PHE:CZ	1:P:270:GLN:CG	2.95	0.50
1:P:320:ASN:ND2	1:P:323:ARG:H	2.10	0.50
1:A:126:SER:H	1:A:296:GLU:CG	2.25	0.50
1:B:40:LEU:CD2	1:B:48:ILE:HD13	2.34	0.50
1:B:214:SER:OG	1:B:219:LEU:HB2	2.12	0.50
1:B:253:TRP:CE3	1:B:275:LEU:CB	2.94	0.50
1:B:1096:UNK:HA	1:B:1110:UNK:HA	1.94	0.50
1:C:214:SER:OG	1:C:219:LEU:HB2	2.12	0.50
1:C:253:TRP:CE3	1:C:275:LEU:CB	2.95	0.50
1:C:253:TRP:CE2	1:C:271:VAL:CG1	2.95	0.50
1:C:286:ASP:CG	1:C:288:HIS:HB3	2.31	0.50
1:C:369:PHE:CE1	1:C:372:LEU:CD1	2.95	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:LEU:HD11	1:C:565:ALA:HB2	1.94	0.50
1:C:546:LEU:HB3	1:C:547:PRO:HD3	1.93	0.50
1:D:45:ILE:HG23	1:D:46:ASP:N	2.27	0.50
1:D:127:ARG:CG	1:D:292:LEU:HD22	2.40	0.50
1:D:138:LEU:HD12	1:D:263:LEU:CD2	2.36	0.50
1:D:256:PHE:HD2	1:D:262:ILE:CG1	2.25	0.50
1:D:326:ILE:CG1	1:D:348:LYS:HB2	2.39	0.50
1:D:353:ILE:HG23	1:D:430:LYS:HD2	1.91	0.50
1:E:33:GLN:HA	1:E:36:PRO:HG2	1.93	0.50
1:E:40:LEU:CD2	1:E:44:GLU:HB3	2.42	0.50
1:E:90:SER:HB3	1:E:91:PRO:CD	2.42	0.50
1:E:100:SER:HB3	1:E:102:MET:HE3	1.93	0.50
1:E:369:PHE:CE1	1:E:372:LEU:CD1	2.95	0.50
1:E:385:LEU:HD13	1:E:466:TYR:CB	2.40	0.50
1:E:466:TYR:CD1	1:E:470:HIS:CG	2.99	0.50
1:F:113:LEU:HD13	1:F:166:LEU:HG	1.93	0.50
1:F:183:LEU:HD23	1:F:244:LEU:HB3	1.92	0.50
1:F:375:PHE:CE1	1:F:381:ILE:HD12	2.47	0.50
1:F:493:ASP:O	1:F:496:PHE:CB	2.56	0.50
1:G:90:SER:HB3	1:G:91:PRO:CD	2.42	0.50
1:G:123:TYR:CE2	1:G:303:LYS:CG	2.95	0.50
1:G:142:ARG:CB	1:G:143:PRO:HD3	2.39	0.50
1:G:447:TYR:HE1	1:G:482:GLU:HG2	1.75	0.50
1:G:1096:UNK:HA	1:G:1110:UNK:HA	1.94	0.50
1:H:145:LYS:HE2	1:H:147:VAL:CG2	2.40	0.50
1:H:326:ILE:HG23	1:H:327:ILE:N	2.27	0.50
1:H:436:GLU:HG2	1:H:437:TYR:N	2.27	0.50
1:H:533:PRO:HA	1:H:536:GLU:CB	2.42	0.50
1:I:34:ASP:OD1	1:I:34:ASP:N	2.45	0.50
1:I:40:LEU:CD2	1:I:44:GLU:HB3	2.42	0.50
1:I:47:HIS:CE1	1:I:60:ARG:HH11	2.30	0.50
1:I:90:SER:HB3	1:I:91:PRO:CD	2.42	0.50
1:I:100:SER:HB3	1:I:102:MET:HE3	1.93	0.50
1:I:214:SER:OG	1:I:219:LEU:HB2	2.12	0.50
1:I:222:HIS:NE2	1:P:201:TYR:HB2	2.27	0.50
1:I:253:TRP:CE2	1:I:271:VAL:CG1	2.95	0.50
1:I:312:LEU:CB	1:I:313:PRO:HD3	2.42	0.50
1:J:45:ILE:HG23	1:J:46:ASP:N	2.27	0.50
1:J:179:PHE:CD1	1:J:242:LEU:CD2	2.95	0.50
1:J:256:PHE:HD2	1:J:262:ILE:CG1	2.25	0.50
1:J:312:LEU:CB	1:J:313:PRO:HD3	2.42	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:533:PRO:HA	1:J:536:GLU:CB	2.42	0.50
1:K:8:HIS:HB3	1:K:95:GLU:CG	2.41	0.50
1:K:214:SER:OG	1:K:219:LEU:HB2	2.12	0.50
1:K:253:TRP:CE3	1:K:275:LEU:CB	2.95	0.50
1:K:253:TRP:CE2	1:K:271:VAL:CG1	2.95	0.50
1:K:369:PHE:CE1	1:K:372:LEU:CD1	2.95	0.50
1:K:492:LEU:HD11	1:K:565:ALA:HB2	1.94	0.50
1:L:126:SER:H	1:L:296:GLU:CG	2.25	0.50
1:L:214:SER:OG	1:L:219:LEU:HB2	2.12	0.50
1:L:253:TRP:CE3	1:L:275:LEU:CB	2.94	0.50
1:L:286:ASP:CG	1:L:288:HIS:HB3	2.31	0.50
1:L:492:LEU:CD1	1:L:565:ALA:HB2	2.42	0.50
1:M:266:THR:HG22	1:M:267:ARG:N	2.26	0.50
1:M:375:PHE:CE1	1:M:381:ILE:HD12	2.47	0.50
1:M:519:GLN:HG3	1:M:523:PHE:CE2	2.47	0.50
1:M:523:PHE:HD1	1:M:527:TYR:HE2	1.59	0.50
1:N:8:HIS:HB3	1:N:95:GLU:CG	2.41	0.50
1:N:120:PHE:CD1	1:N:122:LYS:CA	2.94	0.50
1:N:123:TYR:CD2	1:N:303:LYS:CG	2.94	0.50
1:N:193:LEU:CD2	1:N:224:ILE:HD12	2.41	0.50
1:O:55:VAL:CG1	1:O:132:LEU:HD11	2.39	0.50
1:O:123:TYR:CE2	1:O:303:LYS:CG	2.95	0.50
1:O:126:SER:H	1:O:296:GLU:CG	2.25	0.50
1:O:196:LEU:CD2	1:O:224:ILE:HG21	2.39	0.50
1:O:1115:UNK:O	1:O:1129:UNK:HA	2.11	0.50
1:P:40:LEU:O	1:P:41:SER:O	2.30	0.50
1:P:375:PHE:CE1	1:P:381:ILE:HD12	2.47	0.50
1:P:495:ARG:NE	1:P:561:LEU:HD12	2.21	0.50
1:A:8:HIS:HB3	1:A:95:GLU:CG	2.41	0.50
1:A:113:LEU:CD2	1:A:165:CYS:HB3	2.39	0.50
1:A:141:LEU:HD23	1:A:143:PRO:HD2	1.94	0.50
1:A:142:ARG:CB	1:A:143:PRO:HD3	2.39	0.50
1:A:203:ILE:HG23	1:A:231:LEU:CD2	2.36	0.50
1:A:214:SER:OG	1:A:219:LEU:HB2	2.12	0.50
1:A:375:PHE:CE1	1:A:381:ILE:HD12	2.47	0.50
1:A:483:ARG:CG	1:A:487:PHE:CD1	2.94	0.50
1:A:519:GLN:HG3	1:A:523:PHE:CE2	2.47	0.50
1:A:523:PHE:HD1	1:A:527:TYR:HE2	1.59	0.50
1:B:126:SER:H	1:B:296:GLU:CG	2.25	0.50
1:B:184:LYS:HD3	1:B:185:ASN:N	2.26	0.50
1:B:203:ILE:HG23	1:B:231:LEU:CD2	2.36	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:256:PHE:HD2	1:B:262:ILE:CG1	2.25	0.50
1:B:369:PHE:CZ	1:B:427:LEU:CD2	2.94	0.50
1:B:492:LEU:CD1	1:B:565:ALA:HB2	2.42	0.50
1:B:1115:UNK:O	1:B:1129:UNK:HA	2.11	0.50
1:C:216:ASN:CG	1:C:219:LEU:HD23	2.33	0.50
1:C:256:PHE:HD2	1:C:262:ILE:CG1	2.25	0.50
1:C:382:PRO:CB	1:C:419:THR:HG22	2.42	0.50
1:C:1022:UNK:HA	1:C:1044:UNK:O	2.12	0.50
1:D:47:HIS:CE1	1:D:60:ARG:HH11	2.30	0.50
1:D:312:LEU:CB	1:D:313:PRO:HD3	2.42	0.50
1:D:385:LEU:HD13	1:D:466:TYR:CB	2.40	0.50
1:D:533:PRO:HA	1:D:536:GLU:CB	2.42	0.50
1:E:214:SER:OG	1:E:219:LEU:HB2	2.12	0.50
1:E:312:LEU:CB	1:E:313:PRO:HD3	2.42	0.50
1:E:375:PHE:CE1	1:E:381:ILE:HD12	2.47	0.50
1:E:466:TYR:CE1	1:E:470:HIS:CB	2.95	0.50
1:F:286:ASP:HB3	1:F:288:HIS:C	2.31	0.50
1:F:369:PHE:CE1	1:F:372:LEU:CD1	2.95	0.50
1:F:416:LYS:HE3	1:F:417:GLU:CD	2.31	0.50
1:F:466:TYR:CE2	1:F:470:HIS:HD2	2.30	0.50
1:G:20:GLU:HB3	1:G:23:PHE:CD2	2.47	0.50
1:G:123:TYR:CE2	1:G:303:LYS:CD	2.94	0.50
1:G:126:SER:H	1:G:296:GLU:CG	2.25	0.50
1:G:179:PHE:CD1	1:G:242:LEU:CD2	2.95	0.50
1:G:446:HIS:HA	1:G:449:ILE:HG22	1.94	0.50
1:G:492:LEU:HD11	1:G:565:ALA:HB2	1.94	0.50
1:H:40:LEU:CD2	1:H:44:GLU:HB3	2.42	0.50
1:H:106:TYR:CE1	1:H:169:LYS:CB	2.91	0.50
1:H:446:HIS:HA	1:H:449:ILE:HG22	1.94	0.50
1:I:123:TYR:CD2	1:I:303:LYS:CB	2.94	0.50
1:I:369:PHE:CE1	1:I:372:LEU:CD1	2.95	0.50
1:I:375:PHE:CE1	1:I:381:ILE:HD12	2.47	0.50
1:I:385:LEU:HD13	1:I:466:TYR:CB	2.40	0.50
1:I:391:PHE:HD1	1:I:398:VAL:HG11	1.72	0.50
1:I:466:TYR:CE1	1:I:470:HIS:CB	2.95	0.50
1:J:114:TYR:CE1	1:K:280:THR:CB	2.90	0.50
1:J:127:ARG:CG	1:J:292:LEU:HD22	2.40	0.50
1:J:268:PHE:CE2	1:J:270:GLN:CB	2.89	0.50
1:J:353:ILE:HG23	1:J:430:LYS:HD2	1.91	0.50
1:J:369:PHE:CE1	1:J:372:LEU:CD1	2.95	0.50
1:J:466:TYR:CD1	1:J:470:HIS:CD2	2.99	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:126:SER:H	1:K:296:GLU:CG	2.25	0.50
1:K:216:ASN:CG	1:K:219:LEU:HD23	2.33	0.50
1:K:382:PRO:CB	1:K:419:THR:HG22	2.42	0.50
1:K:1022:UNK:HA	1:K:1044:UNK:O	2.12	0.50
1:L:184:LYS:HD3	1:L:185:ASN:N	2.26	0.50
1:L:256:PHE:HD2	1:L:262:ILE:CG1	2.25	0.50
1:L:262:ILE:HG22	1:L:264:LEU:HD12	1.93	0.50
1:L:466:TYR:CD1	1:L:470:HIS:CD2	2.99	0.50
1:L:1096:UNK:HA	1:L:1110:UNK:HA	1.94	0.50
1:M:141:LEU:HD23	1:M:143:PRO:HD2	1.94	0.50
1:M:446:HIS:HA	1:M:449:ILE:HG22	1.94	0.50
1:M:1022:UNK:HA	1:M:1044:UNK:O	2.12	0.50
1:N:40:LEU:CD2	1:N:44:GLU:HB3	2.42	0.50
1:N:262:ILE:HG22	1:N:264:LEU:HD12	1.93	0.50
1:N:326:ILE:HG23	1:N:327:ILE:N	2.27	0.50
1:N:388:LEU:CD1	1:N:449:ILE:HB	2.42	0.50
1:N:486:LEU:HD13	1:N:488:ARG:NH1	2.25	0.50
1:N:492:LEU:CD1	1:N:565:ALA:HB2	2.42	0.50
1:N:533:PRO:HA	1:N:536:GLU:CB	2.42	0.50
1:O:20:GLU:HB3	1:O:23:PHE:CD2	2.47	0.50
1:O:123:TYR:CE2	1:O:303:LYS:CD	2.94	0.50
1:O:179:PHE:CD1	1:O:242:LEU:CD2	2.95	0.50
1:O:466:TYR:CE2	1:O:470:HIS:HD2	2.30	0.50
1:O:466:TYR:CE1	1:O:470:HIS:CB	2.94	0.50
1:P:45:ILE:HG23	1:P:46:ASP:N	2.27	0.50
1:P:179:PHE:CB	1:P:242:LEU:HD22	2.18	0.50
1:P:286:ASP:HB3	1:P:288:HIS:C	2.31	0.50
1:P:369:PHE:CE1	1:P:372:LEU:CD1	2.95	0.50
1:P:466:TYR:CE2	1:P:470:HIS:HD2	2.30	0.50
1:P:493:ASP:O	1:P:496:PHE:CB	2.56	0.50
1:A:216:ASN:CG	1:A:219:LEU:HD23	2.33	0.49
1:A:235:LYS:HB3	1:A:236:PRO:CD	2.40	0.49
1:A:266:THR:HG22	1:A:267:ARG:N	2.26	0.49
1:A:436:GLU:HG2	1:A:437:TYR:N	2.27	0.49
1:A:446:HIS:HA	1:A:449:ILE:HG22	1.94	0.49
1:A:1022:UNK:HA	1:A:1044:UNK:O	2.12	0.49
1:B:27:PHE:HB2	1:B:30:LYS:HE2	1.93	0.49
1:B:141:LEU:HD23	1:B:143:PRO:HD2	1.94	0.49
1:B:466:TYR:CD1	1:B:470:HIS:CD2	2.99	0.49
1:C:40:LEU:CD2	1:C:44:GLU:HB3	2.42	0.49
1:C:123:TYR:CE2	1:C:303:LYS:CD	2.94	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:312:LEU:CB	1:C:313:PRO:HD3	2.42	0.49
1:D:9:GLN:HB3	1:D:62:PHE:HE1	1.77	0.49
1:D:123:TYR:CD2	1:D:303:LYS:CG	2.94	0.49
1:D:214:SER:OG	1:D:219:LEU:HB2	2.12	0.49
1:D:369:PHE:CE1	1:D:372:LEU:CD1	2.95	0.49
1:D:466:TYR:CD1	1:D:470:HIS:CD2	2.99	0.49
1:E:40:LEU:CG	1:E:64:THR:HG21	2.33	0.49
1:E:123:TYR:CD2	1:E:303:LYS:CB	2.94	0.49
1:E:349:LEU:HD23	1:E:426:TYR:CE1	2.43	0.49
1:E:533:PRO:HA	1:E:536:GLU:CB	2.42	0.49
1:F:9:GLN:HB3	1:F:62:PHE:HE1	1.77	0.49
1:F:45:ILE:HG23	1:F:46:ASP:N	2.27	0.49
1:F:179:PHE:CB	1:F:242:LEU:HD22	2.18	0.49
1:G:8:HIS:HB3	1:G:95:GLU:CG	2.41	0.49
1:G:120:PHE:CD1	1:G:122:LYS:CA	2.94	0.49
1:G:382:PRO:CB	1:G:419:THR:HG22	2.42	0.49
1:G:466:TYR:CE2	1:G:470:HIS:HD2	2.30	0.49
1:G:466:TYR:CE1	1:G:470:HIS:CB	2.95	0.49
1:H:47:HIS:HE1	1:H:60:ARG:HD2	1.77	0.49
1:H:123:TYR:CD2	1:H:303:LYS:CG	2.94	0.49
1:H:130:PRO:HG2	1:H:292:LEU:HD23	1.91	0.49
1:H:179:PHE:CD1	1:H:242:LEU:CD2	2.95	0.49
1:H:193:LEU:CD2	1:H:224:ILE:HD12	2.41	0.49
1:H:221:ILE:HD13	1:H:222:HIS:H	1.76	0.49
1:H:262:ILE:HG22	1:H:264:LEU:HD12	1.93	0.49
1:H:388:LEU:CD1	1:H:449:ILE:HB	2.42	0.49
1:H:488:ARG:CD	1:H:494:PHE:HB2	2.29	0.49
1:H:492:LEU:CD1	1:H:565:ALA:HB2	2.42	0.49
1:H:519:GLN:HG3	1:H:523:PHE:CE2	2.47	0.49
1:I:33:GLN:HA	1:I:36:PRO:HG2	1.93	0.49
1:I:533:PRO:HA	1:I:536:GLU:CB	2.42	0.49
1:J:100:SER:HB3	1:J:102:MET:HE3	1.93	0.49
1:J:120:PHE:CD1	1:J:122:LYS:CA	2.94	0.49
1:J:123:TYR:CD2	1:J:303:LYS:CG	2.94	0.49
1:J:214:SER:OG	1:J:219:LEU:HB2	2.12	0.49
1:J:268:PHE:CZ	1:J:270:GLN:CG	2.95	0.49
1:K:40:LEU:CD2	1:K:44:GLU:HB3	2.42	0.49
1:K:81:LEU:HA	1:K:89:MET:HE2	1.93	0.49
1:K:123:TYR:CE2	1:K:303:LYS:CD	2.94	0.49
1:K:139:LEU:HD13	1:K:139:LEU:C	2.33	0.49
1:K:256:PHE:HD2	1:K:262:ILE:CG1	2.25	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:466:TYR:CD1	1:K:470:HIS:CD2	2.99	0.49
1:K:533:PRO:HA	1:K:536:GLU:CB	2.42	0.49
1:L:203:ILE:HG23	1:L:231:LEU:CD2	2.36	0.49
1:M:8:HIS:HB3	1:M:95:GLU:CG	2.41	0.49
1:M:138:LEU:HD12	1:M:263:LEU:CD2	2.36	0.49
1:M:139:LEU:C	1:M:139:LEU:HD13	2.33	0.49
1:M:214:SER:OG	1:M:219:LEU:HB2	2.12	0.49
1:M:256:PHE:HD2	1:M:262:ILE:CG1	2.25	0.49
1:M:483:ARG:CG	1:M:487:PHE:CD1	2.94	0.49
1:N:45:ILE:HG23	1:N:46:ASP:N	2.27	0.49
1:N:47:HIS:HE1	1:N:60:ARG:HD2	1.77	0.49
1:N:106:TYR:CE1	1:N:169:LYS:CB	2.91	0.49
1:N:123:TYR:CE2	1:N:303:LYS:CG	2.95	0.49
1:N:152:VAL:CG2	1:N:410:LEU:HD11	2.40	0.49
1:N:179:PHE:CD1	1:N:242:LEU:CD2	2.95	0.49
1:N:200:LEU:HD13	1:N:208:THR:CG2	2.33	0.49
1:N:446:HIS:HA	1:N:449:ILE:HG22	1.94	0.49
1:N:519:GLN:HG3	1:N:523:PHE:CE2	2.47	0.49
1:O:40:LEU:O	1:O:41:SER:O	2.30	0.49
1:O:47:HIS:CE1	1:O:60:ARG:HH11	2.30	0.49
1:O:120:PHE:CD1	1:O:122:LYS:CA	2.94	0.49
1:O:382:PRO:CB	1:O:419:THR:HG22	2.42	0.49
1:O:388:LEU:CD1	1:O:449:ILE:HG13	2.37	0.49
1:O:447:TYR:HE1	1:O:482:GLU:HG2	1.75	0.49
1:O:492:LEU:HD11	1:O:565:ALA:HB2	1.94	0.49
1:O:559:THR:HG23	1:O:1036:UNK:CB	2.42	0.49
1:P:9:GLN:HB3	1:P:62:PHE:HE1	1.77	0.49
1:P:138:LEU:HD12	1:P:263:LEU:CD2	2.36	0.49
1:P:214:SER:OG	1:P:219:LEU:HB2	2.12	0.49
1:P:416:LYS:HE3	1:P:417:GLU:CD	2.31	0.49
1:P:1096:UNK:HA	1:P:1110:UNK:HA	1.94	0.49
1:A:40:LEU:O	1:A:41:SER:O	2.30	0.49
1:A:45:ILE:HG23	1:A:46:ASP:N	2.27	0.49
1:A:47:HIS:HE1	1:A:60:ARG:HD2	1.77	0.49
1:A:114:TYR:CD1	1:H:280:THR:CB	2.83	0.49
1:A:139:LEU:C	1:A:139:LEU:HD13	2.33	0.49
1:A:222:HIS:NE2	1:B:201:TYR:HB2	2.27	0.49
1:B:8:HIS:HB3	1:B:95:GLU:CG	2.41	0.49
1:B:262:ILE:HG22	1:B:264:LEU:HD12	1.93	0.49
1:B:515:LEU:CD1	1:B:519:GLN:HB2	2.39	0.49
1:C:126:SER:H	1:C:296:GLU:CG	2.25	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:132:LEU:O	1:C:136:GLN:HG3	2.13	0.49
1:C:280:THR:CB	1:D:114:TYR:CE1	2.90	0.49
1:C:466:TYR:CD1	1:C:470:HIS:CD2	2.99	0.49
1:C:533:PRO:HA	1:C:536:GLU:CB	2.42	0.49
1:D:100:SER:HB3	1:D:102:MET:HE3	1.93	0.49
1:D:120:PHE:CD1	1:D:122:LYS:CA	2.94	0.49
1:D:123:TYR:CE2	1:D:303:LYS:CG	2.95	0.49
1:D:139:LEU:C	1:D:139:LEU:HD13	2.33	0.49
1:D:268:PHE:CZ	1:D:270:GLN:CG	2.95	0.49
1:E:145:LYS:HE2	1:E:147:VAL:CG2	2.40	0.49
1:E:256:PHE:CD2	1:E:262:ILE:CG1	2.95	0.49
1:E:357:LEU:CD1	1:E:366:ARG:HH11	2.25	0.49
1:E:446:HIS:HA	1:E:449:ILE:HG22	1.94	0.49
1:F:20:GLU:HB3	1:F:23:PHE:CD2	2.47	0.49
1:F:123:TYR:CE2	1:F:303:LYS:CG	2.95	0.49
1:F:214:SER:OG	1:F:219:LEU:HB2	2.12	0.49
1:F:357:LEU:CD1	1:F:366:ARG:HH11	2.25	0.49
1:F:369:PHE:CZ	1:F:427:LEU:CD2	2.94	0.49
1:F:495:ARG:NE	1:F:561:LEU:HD12	2.21	0.49
1:F:1096:UNK:HA	1:F:1110:UNK:HA	1.94	0.49
1:G:40:LEU:O	1:G:41:SER:O	2.30	0.49
1:G:55:VAL:CG1	1:G:132:LEU:HD11	2.39	0.49
1:G:214:SER:OG	1:G:219:LEU:HB2	2.12	0.49
1:G:388:LEU:CD1	1:G:449:ILE:HB	2.42	0.49
1:G:546:LEU:HB3	1:G:547:PRO:HD3	1.93	0.49
1:G:559:THR:HG23	1:G:1036:UNK:CB	2.42	0.49
1:H:32:VAL:O	1:H:36:PRO:HD2	2.03	0.49
1:H:45:ILE:HG23	1:H:46:ASP:N	2.27	0.49
1:H:123:TYR:CE2	1:H:303:LYS:CG	2.95	0.49
1:H:141:LEU:HD23	1:H:143:PRO:HD2	1.94	0.49
1:H:357:LEU:CD1	1:H:366:ARG:HH11	2.25	0.49
1:H:486:LEU:HD13	1:H:488:ARG:NH1	2.25	0.49
1:I:221:ILE:HD13	1:I:221:ILE:N	2.27	0.49
1:I:256:PHE:CD2	1:I:262:ILE:CG1	2.95	0.49
1:I:357:LEU:CD1	1:I:366:ARG:HH11	2.25	0.49
1:I:508:TRP:HD1	1:I:509:ASN:H	1.56	0.49
1:J:9:GLN:HB3	1:J:62:PHE:HE1	1.77	0.49
1:J:139:LEU:HD13	1:J:139:LEU:C	2.33	0.49
1:J:385:LEU:HD13	1:J:466:TYR:CB	2.40	0.49
1:K:132:LEU:O	1:K:136:GLN:HG3	2.13	0.49
1:K:312:LEU:CB	1:K:313:PRO:HD3	2.42	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:357:LEU:HG	1:K:366:ARG:HD3	1.94	0.49
1:K:402:VAL:O	1:K:406:HIS:HB2	2.11	0.49
1:L:27:PHE:HB2	1:L:30:LYS:HE2	1.93	0.49
1:L:40:LEU:CD2	1:L:44:GLU:HB3	2.42	0.49
1:L:141:LEU:HD23	1:L:143:PRO:HD2	1.94	0.49
1:L:369:PHE:CZ	1:L:427:LEU:CD2	2.94	0.49
1:L:1115:UNK:O	1:L:1129:UNK:HA	2.11	0.49
1:M:27:PHE:HB2	1:M:30:LYS:HE2	1.93	0.49
1:M:40:LEU:O	1:M:41:SER:O	2.30	0.49
1:M:45:ILE:HG23	1:M:46:ASP:N	2.27	0.49
1:M:47:HIS:HE1	1:M:60:ARG:HD2	1.77	0.49
1:M:113:LEU:CD2	1:M:165:CYS:HB3	2.39	0.49
1:M:216:ASN:CG	1:M:219:LEU:HD23	2.33	0.49
1:N:105:MET:HE2	1:N:106:TYR:CE1	2.47	0.49
1:N:139:LEU:HD13	1:N:139:LEU:C	2.33	0.49
1:N:214:SER:OG	1:N:219:LEU:HB2	2.12	0.49
1:N:221:ILE:HD13	1:N:222:HIS:H	1.76	0.49
1:N:466:TYR:CD1	1:N:470:HIS:CG	2.99	0.49
1:O:45:ILE:HG23	1:O:46:ASP:N	2.27	0.49
1:O:388:LEU:CD1	1:O:449:ILE:HB	2.42	0.49
1:O:546:LEU:HB3	1:O:547:PRO:HD3	1.93	0.49
1:P:20:GLU:HB3	1:P:23:PHE:CD2	2.47	0.49
1:P:123:TYR:CE2	1:P:303:LYS:CG	2.95	0.49
1:P:183:LEU:HD23	1:P:244:LEU:HB3	1.92	0.49
1:P:357:LEU:CD1	1:P:366:ARG:HH11	2.25	0.49
1:P:428:GLU:HG2	1:P:432:LYS:HZ3	1.76	0.49
1:A:27:PHE:HB2	1:A:30:LYS:HE2	1.93	0.49
1:A:132:LEU:O	1:A:136:GLN:HG3	2.13	0.49
1:A:183:LEU:HD23	1:A:244:LEU:HB3	1.92	0.49
1:A:235:LYS:CB	1:A:236:PRO:HD2	2.37	0.49
1:A:369:PHE:CE1	1:A:372:LEU:CD1	2.95	0.49
1:B:7:GLU:HG2	1:B:107:ILE:HD13	1.94	0.49
1:B:40:LEU:CD2	1:B:44:GLU:HB3	2.42	0.49
1:B:47:HIS:HE1	1:B:60:ARG:HD2	1.77	0.49
1:B:193:LEU:CD2	1:B:224:ILE:HD12	2.41	0.49
1:B:382:PRO:CB	1:B:419:THR:HG22	2.42	0.49
1:B:519:GLN:HG3	1:B:523:PHE:CE2	2.47	0.49
1:B:1022:UNK:HA	1:B:1044:UNK:O	2.12	0.49
1:C:12:TYR:CD2	1:C:16:LEU:CD2	2.95	0.49
1:C:106:TYR:CE1	1:C:169:LYS:CB	2.91	0.49
1:C:120:PHE:CD1	1:C:122:LYS:CA	2.94	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:139:LEU:HD13	1:C:139:LEU:C	2.33	0.49
1:C:385:LEU:HD13	1:C:466:TYR:CB	2.40	0.49
1:C:402:VAL:O	1:C:406:HIS:HB2	2.11	0.49
1:D:12:TYR:CD2	1:D:16:LEU:CD2	2.95	0.49
1:D:40:LEU:O	1:D:41:SER:O	2.30	0.49
1:D:253:TRP:CE2	1:D:271:VAL:CG1	2.95	0.49
1:D:369:PHE:CZ	1:D:427:LEU:CD2	2.94	0.49
1:E:228:LEU:CD2	1:E:232:LEU:HD13	2.31	0.49
1:E:302:LEU:HD22	1:E:307:CYS:H	1.77	0.49
1:E:382:PRO:CB	1:E:419:THR:HG22	2.42	0.49
1:E:411:VAL:HG23	1:E:412:GLU:N	2.16	0.49
1:E:466:TYR:CE2	1:E:470:HIS:HD2	2.30	0.49
1:E:508:TRP:HD1	1:E:509:ASN:H	1.56	0.49
1:F:138:LEU:HD12	1:F:263:LEU:CD2	2.36	0.49
1:F:279:THR:HG22	1:G:115:ASN:CA	2.41	0.49
1:F:326:ILE:HG23	1:F:327:ILE:N	2.27	0.49
1:F:375:PHE:CD1	1:F:381:ILE:CD1	2.93	0.49
1:F:466:TYR:CE1	1:F:470:HIS:CB	2.95	0.49
1:G:12:TYR:CD2	1:G:16:LEU:CD2	2.95	0.49
1:G:47:HIS:HE1	1:G:60:ARG:HD2	1.77	0.49
1:G:132:LEU:O	1:G:136:GLN:HG3	2.13	0.49
1:G:221:ILE:HD13	1:G:221:ILE:N	2.27	0.49
1:H:34:ASP:OD1	1:H:34:ASP:N	2.45	0.49
1:H:139:LEU:C	1:H:139:LEU:HD13	2.33	0.49
1:H:214:SER:OG	1:H:219:LEU:HB2	2.12	0.49
1:H:382:PRO:CB	1:H:419:THR:HG22	2.42	0.49
1:H:466:TYR:CD1	1:H:470:HIS:CG	2.99	0.49
1:H:559:THR:HA	1:H:1036:UNK:C	2.41	0.49
1:I:145:LYS:HE2	1:I:147:VAL:CG2	2.40	0.49
1:I:228:LEU:CD2	1:I:232:LEU:HD13	2.31	0.49
1:I:446:HIS:HA	1:I:449:ILE:HG22	1.94	0.49
1:J:40:LEU:O	1:J:41:SER:O	2.30	0.49
1:J:253:TRP:CE2	1:J:271:VAL:CG1	2.95	0.49
1:K:120:PHE:CD1	1:K:122:LYS:CA	2.94	0.49
1:K:123:TYR:CE2	1:K:303:LYS:CG	2.95	0.49
1:K:493:ASP:O	1:K:496:PHE:CB	2.56	0.49
1:L:8:HIS:HB3	1:L:95:GLU:CG	2.41	0.49
1:L:47:HIS:HE1	1:L:60:ARG:HD2	1.77	0.49
1:L:519:GLN:HG3	1:L:523:PHE:CE2	2.47	0.49
1:M:235:LYS:HB3	1:M:236:PRO:CD	2.40	0.49
1:M:533:PRO:HA	1:M:536:GLU:CB	2.42	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:357:LEU:CD1	1:N:366:ARG:HH11	2.25	0.49
1:O:12:TYR:CD2	1:O:16:LEU:CD2	2.95	0.49
1:O:132:LEU:O	1:O:136:GLN:HG3	2.13	0.49
1:O:326:ILE:HG23	1:O:327:ILE:N	2.27	0.49
1:P:369:PHE:CZ	1:P:427:LEU:CD2	2.94	0.49
1:P:466:TYR:CE1	1:P:470:HIS:CB	2.95	0.49
1:P:533:PRO:HA	1:P:536:GLU:CB	2.42	0.49
1:A:138:LEU:HD12	1:A:263:LEU:CD2	2.36	0.49
1:A:256:PHE:CD2	1:A:262:ILE:CG1	2.95	0.49
1:A:272:THR:HG23	1:A:282:HIS:NE2	2.27	0.49
1:A:398:VAL:HG23	1:A:399:MET:N	2.28	0.49
1:A:533:PRO:HA	1:A:536:GLU:CB	2.42	0.49
1:B:357:LEU:HG	1:B:366:ARG:HD3	1.94	0.49
1:C:123:TYR:CE2	1:C:303:LYS:CG	2.95	0.49
1:C:493:ASP:O	1:C:496:PHE:CB	2.56	0.49
1:D:50:MET:HG3	1:D:51:SER:N	2.28	0.49
1:D:268:PHE:CE2	1:D:270:GLN:CB	2.89	0.49
1:E:20:GLU:HG2	1:E:27:PHE:HE2	1.74	0.49
1:E:47:HIS:HE1	1:E:60:ARG:HD2	1.77	0.49
1:E:127:ARG:CD	1:E:292:LEU:HD11	2.43	0.49
1:E:221:ILE:HD13	1:E:221:ILE:N	2.27	0.49
1:E:388:LEU:CD1	1:E:449:ILE:HB	2.42	0.49
1:E:519:GLN:HG3	1:E:523:PHE:CE2	2.47	0.49
1:E:564:ILE:O	1:E:567:MET:HE3	2.12	0.49
1:F:19:PHE:HE2	1:N:87:PHE:CB	2.08	0.49
1:F:382:PRO:CB	1:F:419:THR:HG22	2.42	0.49
1:F:523:PHE:HD1	1:F:527:TYR:HE2	1.59	0.49
1:F:533:PRO:HA	1:F:536:GLU:CB	2.42	0.49
1:G:45:ILE:HG23	1:G:46:ASP:N	2.27	0.49
1:G:264:LEU:HD12	1:G:264:LEU:N	2.28	0.49
1:G:326:ILE:HG23	1:G:327:ILE:N	2.27	0.49
1:G:390:TRP:CD2	1:G:402:VAL:CG1	2.96	0.49
1:H:19:PHE:HZ	1:P:87:PHE:CB	2.13	0.49
1:H:40:LEU:O	1:H:41:SER:O	2.30	0.49
1:H:152:VAL:CG2	1:H:410:LEU:HD11	2.40	0.49
1:H:369:PHE:CE1	1:H:372:LEU:CD1	2.95	0.49
1:H:375:PHE:CE1	1:H:381:ILE:HD12	2.47	0.49
1:H:431:VAL:HG23	1:H:432:LYS:N	2.27	0.49
1:I:127:ARG:CD	1:I:292:LEU:HD11	2.43	0.49
1:I:132:LEU:O	1:I:136:GLN:HG3	2.13	0.49
1:I:152:VAL:CG2	1:I:410:LEU:HD11	2.40	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:349:LEU:HD23	1:I:426:TYR:CE1	2.43	0.49
1:I:466:TYR:CE2	1:I:470:HIS:HD2	2.30	0.49
1:I:519:GLN:HG3	1:I:523:PHE:CE2	2.47	0.49
1:J:12:TYR:CD2	1:J:16:LEU:CD2	2.95	0.49
1:J:50:MET:HG3	1:J:51:SER:N	2.28	0.49
1:J:104:ARG:O	1:J:107:ILE:HG22	2.10	0.49
1:J:123:TYR:CD2	1:J:303:LYS:CB	2.94	0.49
1:J:493:ASP:O	1:J:496:PHE:CB	2.56	0.49
1:K:12:TYR:CD2	1:K:16:LEU:CD2	2.95	0.49
1:L:123:TYR:CE2	1:L:303:LYS:CG	2.95	0.49
1:L:144:ALA:HA	1:L:261:LYS:CB	2.39	0.49
1:L:201:TYR:HB2	1:M:222:HIS:NE2	2.27	0.49
1:L:257:ASN:OD1	1:L:279:THR:HG21	2.08	0.49
1:L:357:LEU:HG	1:L:366:ARG:HD3	1.94	0.49
1:L:1022:UNK:HA	1:L:1044:UNK:O	2.12	0.49
1:M:123:TYR:CE2	1:M:303:LYS:CG	2.95	0.49
1:M:132:LEU:O	1:M:136:GLN:HG3	2.13	0.49
1:M:203:ILE:HG23	1:M:231:LEU:CD2	2.36	0.49
1:M:256:PHE:CD2	1:M:262:ILE:CG1	2.95	0.49
1:M:302:LEU:HD22	1:M:307:CYS:H	1.77	0.49
1:M:369:PHE:CE1	1:M:372:LEU:CD1	2.95	0.49
1:M:398:VAL:HG23	1:M:399:MET:N	2.28	0.49
1:N:32:VAL:O	1:N:36:PRO:HD2	2.03	0.49
1:N:34:ASP:N	1:N:34:ASP:OD1	2.45	0.49
1:N:40:LEU:O	1:N:41:SER:O	2.30	0.49
1:N:123:TYR:CD2	1:N:303:LYS:CB	2.94	0.49
1:N:130:PRO:HG2	1:N:292:LEU:HD23	1.91	0.49
1:N:141:LEU:HD23	1:N:143:PRO:HD2	1.94	0.49
1:N:382:PRO:CB	1:N:419:THR:HG22	2.42	0.49
1:N:431:VAL:HG23	1:N:432:LYS:N	2.27	0.49
1:N:453:PHE:CD2	1:N:461:PRO:HG2	2.40	0.49
1:N:515:LEU:CD1	1:N:519:GLN:HB2	2.39	0.49
1:N:546:LEU:HB3	1:N:547:PRO:HD3	1.93	0.49
1:N:601:UNK:CB	1:N:601:UNK:O	2.59	0.49
1:O:8:HIS:HB3	1:O:95:GLU:CG	2.41	0.49
1:O:214:SER:OG	1:O:219:LEU:HB2	2.12	0.49
1:O:221:ILE:HD13	1:O:221:ILE:N	2.27	0.49
1:O:390:TRP:CD2	1:O:402:VAL:CG1	2.96	0.49
1:P:326:ILE:HG23	1:P:327:ILE:N	2.27	0.49
1:P:375:PHE:CD1	1:P:381:ILE:CD1	2.93	0.49
1:P:382:PRO:CB	1:P:419:THR:HG22	2.42	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:523:PHE:HD1	1:P:527:TYR:HE2	1.59	0.49
1:P:1022:UNK:HA	1:P:1044:UNK:O	2.12	0.49
1:A:33:GLN:HA	1:A:36:PRO:HG2	1.93	0.49
1:A:123:TYR:CE2	1:A:303:LYS:CG	2.95	0.49
1:B:123:TYR:CE2	1:B:303:LYS:CG	2.95	0.49
1:B:144:ALA:HA	1:B:261:LYS:CB	2.39	0.49
1:B:235:LYS:CB	1:B:236:PRO:HD2	2.37	0.49
1:B:369:PHE:CE1	1:B:372:LEU:CD1	2.95	0.49
1:C:45:ILE:HG23	1:C:46:ASP:N	2.27	0.49
1:C:357:LEU:HG	1:C:366:ARG:HD3	1.95	0.49
1:C:488:ARG:CD	1:C:494:PHE:HB2	2.29	0.49
1:C:1096:UNK:HA	1:C:1110:UNK:HA	1.94	0.49
1:D:104:ARG:O	1:D:107:ILE:HG22	2.10	0.49
1:D:182:ASN:HA	1:D:245:LEU:HB3	1.95	0.49
1:D:492:LEU:HD11	1:D:565:ALA:HB2	1.94	0.49
1:E:20:GLU:HB3	1:E:23:PHE:CD2	2.47	0.49
1:E:73:VAL:HG13	1:E:74:GLN:N	2.27	0.49
1:E:132:LEU:O	1:E:136:GLN:HG3	2.13	0.49
1:E:152:VAL:CG2	1:E:410:LEU:HD11	2.40	0.49
1:E:272:THR:HG23	1:E:282:HIS:NE2	2.27	0.49
1:E:431:VAL:HG23	1:E:432:LYS:N	2.27	0.49
1:F:87:PHE:CB	1:N:19:PHE:HZ	2.13	0.49
1:F:145:LYS:HE2	1:F:147:VAL:CG2	2.40	0.49
1:F:515:LEU:CD1	1:F:519:GLN:HB2	2.39	0.49
1:F:1022:UNK:HA	1:F:1044:UNK:O	2.12	0.49
1:G:182:ASN:HA	1:G:245:LEU:HB3	1.95	0.49
1:G:375:PHE:CD1	1:G:381:ILE:CD1	2.93	0.49
1:G:384:ILE:CG2	1:G:463:LEU:HD22	2.39	0.49
1:H:20:GLU:HB3	1:H:23:PHE:CD2	2.47	0.49
1:H:428:GLU:HG2	1:H:432:LYS:HZ3	1.76	0.49
1:H:546:LEU:HB3	1:H:547:PRO:HD3	1.93	0.49
1:H:601:UNK:CB	1:H:601:UNK:O	2.59	0.49
1:I:20:GLU:HB3	1:I:23:PHE:CD2	2.47	0.49
1:I:40:LEU:CG	1:I:64:THR:HG21	2.33	0.49
1:I:47:HIS:HE1	1:I:60:ARG:HD2	1.77	0.49
1:I:123:TYR:CE2	1:I:303:LYS:CG	2.95	0.49
1:I:272:THR:HG23	1:I:282:HIS:NE2	2.27	0.49
1:I:302:LEU:HD22	1:I:307:CYS:H	1.77	0.49
1:I:382:PRO:CB	1:I:419:THR:HG22	2.42	0.49
1:I:388:LEU:CD1	1:I:449:ILE:HB	2.42	0.49
1:I:493:ASP:O	1:I:496:PHE:CB	2.56	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:564:ILE:O	1:I:567:MET:HE3	2.12	0.49
1:J:123:TYR:CE2	1:J:303:LYS:CG	2.95	0.49
1:J:152:VAL:CG2	1:J:410:LEU:HD11	2.40	0.49
1:J:369:PHE:CZ	1:J:427:LEU:CD2	2.94	0.49
1:J:492:LEU:HD11	1:J:565:ALA:HB2	1.94	0.49
1:J:519:GLN:HG3	1:J:523:PHE:CE2	2.47	0.49
1:K:385:LEU:HD13	1:K:466:TYR:CB	2.40	0.49
1:K:519:GLN:HG3	1:K:523:PHE:CE2	2.47	0.49
1:K:1096:UNK:HA	1:K:1110:UNK:HA	1.94	0.49
1:L:7:GLU:HG2	1:L:107:ILE:HD13	1.94	0.49
1:L:55:VAL:CG1	1:L:132:LEU:HD11	2.39	0.49
1:L:369:PHE:CE1	1:L:372:LEU:CD1	2.95	0.49
1:L:382:PRO:CB	1:L:419:THR:HG22	2.42	0.49
1:L:515:LEU:CD1	1:L:519:GLN:HB2	2.39	0.49
1:M:33:GLN:HA	1:M:36:PRO:HG2	1.93	0.49
1:M:183:LEU:HD23	1:M:244:LEU:HB3	1.92	0.49
1:M:235:LYS:CB	1:M:236:PRO:HD2	2.37	0.49
1:M:272:THR:HG23	1:M:282:HIS:NE2	2.27	0.49
1:M:436:GLU:HG2	1:M:437:TYR:N	2.27	0.49
1:M:486:LEU:HD13	1:M:488:ARG:NH1	2.25	0.49
1:N:20:GLU:HB3	1:N:23:PHE:CD2	2.47	0.49
1:N:216:ASN:CG	1:N:219:LEU:HD23	2.33	0.49
1:N:369:PHE:CE1	1:N:372:LEU:CD1	2.95	0.49
1:N:443:ILE:HG23	1:N:444:VAL:N	2.28	0.49
1:N:466:TYR:CE2	1:N:470:HIS:HD2	2.30	0.49
1:N:488:ARG:CD	1:N:494:PHE:HB2	2.29	0.49
1:N:559:THR:HA	1:N:1036:UNK:C	2.41	0.49
1:O:47:HIS:HE1	1:O:60:ARG:HD2	1.77	0.49
1:O:115:ASN:CA	1:P:279:THR:HG22	2.41	0.49
1:O:182:ASN:HA	1:O:245:LEU:HB3	1.95	0.49
1:O:264:LEU:HD12	1:O:264:LEU:N	2.28	0.49
1:O:357:LEU:CD1	1:O:366:ARG:HH11	2.25	0.49
1:P:120:PHE:CD1	1:P:122:LYS:CA	2.94	0.49
1:P:443:ILE:HG23	1:P:444:VAL:N	2.28	0.49
1:P:492:LEU:HD11	1:P:565:ALA:HB2	1.94	0.49
1:A:193:LEU:CD2	1:A:221:ILE:HA	2.32	0.49
1:A:302:LEU:HD22	1:A:307:CYS:H	1.77	0.49
1:A:312:LEU:CB	1:A:313:PRO:HD3	2.42	0.49
1:A:390:TRP:CZ2	1:A:402:VAL:CG1	2.96	0.49
1:A:450:PRO:HG2	1:A:471:ILE:HD11	1.94	0.49
1:B:73:VAL:HG13	1:B:74:GLN:N	2.27	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:388:LEU:HD13	1:B:449:ILE:HB	1.95	0.49
1:C:40:LEU:CG	1:C:64:THR:HG21	2.33	0.49
1:C:221:ILE:HD13	1:C:221:ILE:N	2.27	0.49
1:C:326:ILE:HG23	1:C:327:ILE:N	2.27	0.49
1:D:123:TYR:CD2	1:D:303:LYS:CB	2.94	0.49
1:D:127:ARG:CD	1:D:292:LEU:HD11	2.43	0.49
1:D:152:VAL:CG2	1:D:410:LEU:HD11	2.40	0.49
1:D:253:TRP:CE3	1:D:275:LEU:CB	2.94	0.49
1:D:312:LEU:HB2	1:D:313:PRO:HD3	1.95	0.49
1:D:519:GLN:HG3	1:D:523:PHE:CE2	2.47	0.49
1:E:12:TYR:CD2	1:E:16:LEU:CD2	2.95	0.49
1:E:123:TYR:CE2	1:E:303:LYS:CG	2.95	0.49
1:E:450:PRO:HG2	1:E:471:ILE:HD11	1.94	0.49
1:E:559:THR:HA	1:E:1036:UNK:C	2.41	0.49
1:F:47:HIS:HE1	1:F:60:ARG:HD2	1.77	0.49
1:F:50:MET:HG3	1:F:51:SER:N	2.28	0.49
1:F:120:PHE:CD1	1:F:122:LYS:CA	2.94	0.49
1:F:443:ILE:HG23	1:F:444:VAL:N	2.28	0.49
1:F:488:ARG:CA	1:F:491:PHE:H	2.18	0.49
1:F:492:LEU:HD11	1:F:565:ALA:HB2	1.94	0.49
1:G:127:ARG:CD	1:G:292:LEU:HD11	2.43	0.49
1:G:272:THR:HG23	1:G:282:HIS:NE2	2.27	0.49
1:G:390:TRP:CZ2	1:G:402:VAL:CG1	2.96	0.49
1:H:123:TYR:CD2	1:H:303:LYS:CB	2.94	0.49
1:H:216:ASN:CG	1:H:219:LEU:HD23	2.33	0.49
1:H:443:ILE:HG23	1:H:444:VAL:N	2.28	0.49
1:H:466:TYR:CE2	1:H:470:HIS:HD2	2.30	0.49
1:H:1022:UNK:HA	1:H:1044:UNK:O	2.12	0.49
1:I:73:VAL:HG13	1:I:74:GLN:N	2.27	0.49
1:I:256:PHE:CD2	1:I:262:ILE:HB	2.48	0.49
1:I:431:VAL:HG23	1:I:432:LYS:N	2.27	0.49
1:J:182:ASN:HA	1:J:245:LEU:HB3	1.95	0.49
1:J:253:TRP:CE3	1:J:275:LEU:CB	2.94	0.49
1:J:312:LEU:HB2	1:J:313:PRO:HD3	1.95	0.49
1:J:357:LEU:HG	1:J:366:ARG:HD3	1.94	0.49
1:J:508:TRP:HD1	1:J:509:ASN:H	1.56	0.49
1:K:45:ILE:HG23	1:K:46:ASP:N	2.27	0.49
1:K:106:TYR:CE1	1:K:169:LYS:CB	2.91	0.49
1:K:353:ILE:HG23	1:K:430:LYS:HD2	1.91	0.49
1:K:388:LEU:HD13	1:K:449:ILE:HB	1.95	0.49
1:K:428:GLU:HG2	1:K:432:LYS:HZ3	1.77	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:73:VAL:HG13	1:L:74:GLN:N	2.27	0.49
1:L:388:LEU:HD13	1:L:449:ILE:HB	1.95	0.49
1:M:253:TRP:CE3	1:M:275:LEU:CB	2.95	0.49
1:M:388:LEU:CD1	1:M:449:ILE:HB	2.42	0.49
1:M:390:TRP:CZ2	1:M:402:VAL:CG1	2.96	0.49
1:M:450:PRO:HG2	1:M:471:ILE:HD11	1.94	0.49
1:N:375:PHE:CE1	1:N:381:ILE:HD12	2.47	0.49
1:O:20:GLU:HB3	1:O:24:VAL:HA	1.95	0.49
1:O:127:ARG:CD	1:O:292:LEU:HD11	2.43	0.49
1:O:272:THR:HG23	1:O:282:HIS:NE2	2.27	0.49
1:O:375:PHE:CD1	1:O:381:ILE:CD1	2.93	0.49
1:O:390:TRP:CZ2	1:O:402:VAL:CG1	2.96	0.49
1:O:398:VAL:HG23	1:O:399:MET:N	2.28	0.49
1:P:50:MET:HG3	1:P:51:SER:N	2.28	0.49
1:P:122:LYS:CB	1:P:304:TYR:CD2	2.95	0.49
1:P:145:LYS:HE2	1:P:147:VAL:CG2	2.40	0.49
1:P:312:LEU:CB	1:P:313:PRO:HD3	2.42	0.49
1:P:515:LEU:CD1	1:P:519:GLN:HB2	2.39	0.49
1:P:519:GLN:HG3	1:P:523:PHE:CE2	2.47	0.49
1:A:9:GLN:HB3	1:A:62:PHE:HE1	1.77	0.49
1:A:253:TRP:CE3	1:A:275:LEU:CB	2.95	0.49
1:B:45:ILE:HG23	1:B:46:ASP:N	2.27	0.49
1:B:68:LYS:HD2	1:B:72:MET:SD	2.53	0.49
1:B:221:ILE:HG12	1:B:222:HIS:N	2.28	0.49
1:B:446:HIS:HA	1:B:449:ILE:HG22	1.94	0.49
1:C:302:LEU:HD22	1:C:307:CYS:H	1.77	0.49
1:C:349:LEU:HD23	1:C:426:TYR:CE1	2.43	0.49
1:C:353:ILE:HG23	1:C:430:LYS:HD2	1.91	0.49
1:C:388:LEU:HD13	1:C:449:ILE:HB	1.95	0.49
1:C:453:PHE:CD2	1:C:461:PRO:HG2	2.40	0.49
1:C:519:GLN:HG3	1:C:523:PHE:CE2	2.47	0.49
1:D:68:LYS:HD2	1:D:72:MET:SD	2.53	0.49
1:D:145:LYS:HE2	1:D:147:VAL:CG2	2.40	0.49
1:D:264:LEU:HD12	1:D:264:LEU:N	2.28	0.49
1:D:357:LEU:HG	1:D:366:ARG:HD3	1.94	0.49
1:D:390:TRP:CZ2	1:D:402:VAL:CG1	2.96	0.49
1:D:493:ASP:O	1:D:496:PHE:CB	2.56	0.49
1:D:508:TRP:HD1	1:D:509:ASN:H	1.56	0.49
1:D:559:THR:HA	1:D:1036:UNK:C	2.41	0.49
1:E:68:LYS:HD2	1:E:72:MET:SD	2.53	0.49
1:E:256:PHE:CD2	1:E:262:ILE:HB	2.48	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:320:ASN:ND2	1:E:323:ARG:H	2.10	0.49
1:F:122:LYS:CB	1:F:304:TYR:CD2	2.95	0.49
1:F:182:ASN:HA	1:F:245:LEU:HB3	1.95	0.49
1:F:256:PHE:CD2	1:F:262:ILE:HB	2.47	0.49
1:F:312:LEU:CB	1:F:313:PRO:HD3	2.42	0.49
1:F:388:LEU:CD1	1:F:449:ILE:HB	2.42	0.49
1:F:390:TRP:CD2	1:F:402:VAL:CG1	2.96	0.49
1:F:431:VAL:HG23	1:F:432:LYS:N	2.27	0.49
1:F:466:TYR:CZ	1:F:470:HIS:CD2	2.98	0.49
1:F:519:GLN:HG3	1:F:523:PHE:CE2	2.47	0.49
1:F:546:LEU:HB3	1:F:547:PRO:HD3	1.93	0.49
1:G:20:GLU:HB3	1:G:24:VAL:HA	1.95	0.49
1:G:40:LEU:CD2	1:G:44:GLU:HB3	2.42	0.49
1:G:50:MET:HG3	1:G:51:SER:N	2.28	0.49
1:G:221:ILE:HG12	1:G:222:HIS:N	2.28	0.49
1:G:357:LEU:CD1	1:G:366:ARG:HH11	2.25	0.49
1:G:388:LEU:HD13	1:G:449:ILE:HB	1.95	0.49
1:G:398:VAL:HG23	1:G:399:MET:N	2.28	0.49
1:H:9:GLN:HB3	1:H:62:PHE:HE1	1.77	0.49
1:H:182:ASN:HA	1:H:245:LEU:HB3	1.95	0.49
1:H:357:LEU:HD13	1:H:357:LEU:C	2.33	0.49
1:H:382:PRO:HB3	1:H:419:THR:HG22	1.95	0.49
1:I:12:TYR:CD2	1:I:16:LEU:CD2	2.95	0.49
1:I:20:GLU:HG2	1:I:27:PHE:HE2	1.74	0.49
1:I:182:ASN:HA	1:I:245:LEU:HB3	1.95	0.49
1:I:235:LYS:HB3	1:I:236:PRO:CD	2.40	0.49
1:I:559:THR:HA	1:I:1036:UNK:C	2.41	0.49
1:J:7:GLU:HG2	1:J:107:ILE:HD13	1.94	0.49
1:J:127:ARG:CD	1:J:292:LEU:HD11	2.43	0.49
1:J:264:LEU:HD12	1:J:264:LEU:N	2.28	0.49
1:J:390:TRP:CZ2	1:J:402:VAL:CG1	2.96	0.49
1:K:123:TYR:CD2	1:K:303:LYS:CB	2.94	0.49
1:K:302:LEU:HD22	1:K:307:CYS:H	1.77	0.49
1:K:326:ILE:HG23	1:K:327:ILE:N	2.27	0.49
1:K:492:LEU:CD1	1:K:565:ALA:HB2	2.42	0.49
1:L:221:ILE:HG12	1:L:222:HIS:N	2.28	0.49
1:L:235:LYS:CB	1:L:236:PRO:HD2	2.37	0.49
1:L:446:HIS:HA	1:L:449:ILE:HG22	1.94	0.49
1:M:9:GLN:HB3	1:M:62:PHE:HE1	1.77	0.49
1:M:37:LYS:HZ2	1:M:39:ILE:HG12	1.77	0.49
1:M:601:UNK:CB	1:M:601:UNK:O	2.59	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:9:GLN:HB3	1:N:62:PHE:HE1	1.77	0.49
1:N:127:ARG:CD	1:N:292:LEU:HD11	2.43	0.49
1:N:182:ASN:HA	1:N:245:LEU:HB3	1.95	0.49
1:N:357:LEU:HD13	1:N:357:LEU:C	2.33	0.49
1:N:382:PRO:HB3	1:N:419:THR:HG22	1.95	0.49
1:N:390:TRP:CD2	1:N:402:VAL:CG1	2.96	0.49
1:O:50:MET:HG3	1:O:51:SER:N	2.28	0.49
1:O:221:ILE:HG12	1:O:222:HIS:N	2.28	0.49
1:O:388:LEU:HD13	1:O:449:ILE:HB	1.95	0.49
1:P:47:HIS:HE1	1:P:60:ARG:HD2	1.77	0.49
1:P:264:LEU:HD12	1:P:264:LEU:N	2.28	0.49
1:P:601:UNK:CB	1:P:601:UNK:O	2.59	0.49
1:A:32:VAL:O	1:A:36:PRO:HD2	2.03	0.49
1:A:40:LEU:CD2	1:A:44:GLU:HB3	2.42	0.49
1:A:221:ILE:HD13	1:A:221:ILE:N	2.27	0.49
1:A:320:ASN:ND2	1:A:323:ARG:H	2.10	0.49
1:A:388:LEU:CD1	1:A:449:ILE:HB	2.42	0.49
1:A:514:ILE:N	1:A:514:ILE:HD13	2.28	0.49
1:A:601:UNK:CB	1:A:601:UNK:O	2.59	0.49
1:B:55:VAL:CG1	1:B:132:LEU:HD11	2.39	0.49
1:B:127:ARG:CD	1:B:292:LEU:HD11	2.43	0.49
1:B:257:ASN:OD1	1:B:279:THR:HG21	2.08	0.49
1:B:312:LEU:CB	1:B:313:PRO:HD3	2.42	0.49
1:B:431:VAL:HG23	1:B:432:LYS:N	2.27	0.49
1:B:478:ILE:HG13	1:B:479:GLU:H	1.76	0.49
1:C:35:MET:O	1:C:40:LEU:N	2.45	0.49
1:C:388:LEU:CD1	1:C:449:ILE:HB	2.42	0.49
1:C:431:VAL:HG23	1:C:432:LYS:N	2.27	0.49
1:C:492:LEU:CD1	1:C:565:ALA:HB2	2.42	0.49
1:D:20:GLU:HB3	1:D:24:VAL:HA	1.95	0.49
1:D:40:LEU:CD2	1:D:44:GLU:HB3	2.42	0.49
1:D:47:HIS:HE1	1:D:60:ARG:HD2	1.77	0.49
1:D:149:ILE:HG22	1:D:265:THR:HA	1.95	0.49
1:E:139:LEU:C	1:E:139:LEU:HD13	2.33	0.49
1:E:182:ASN:HA	1:E:245:LEU:HB3	1.95	0.49
1:E:476:LYS:CB	1:E:527:TYR:CD1	2.93	0.49
1:E:493:ASP:O	1:E:496:PHE:CB	2.56	0.49
1:E:1096:UNK:HA	1:E:1110:UNK:HA	1.94	0.49
1:F:264:LEU:HD12	1:F:264:LEU:N	2.28	0.49
1:F:369:PHE:HE1	1:F:427:LEU:CD1	2.21	0.49
1:F:388:LEU:HD13	1:F:449:ILE:HB	1.95	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:369:PHE:CZ	1:G:427:LEU:CD2	2.94	0.49
1:G:478:ILE:HG13	1:G:479:GLU:H	1.76	0.49
1:G:492:LEU:HB2	1:G:576:GLU:HB3	1.95	0.49
1:H:390:TRP:CZ2	1:H:402:VAL:CG1	2.96	0.49
1:H:390:TRP:CD2	1:H:402:VAL:CG1	2.96	0.49
1:I:68:LYS:HD2	1:I:72:MET:SD	2.53	0.49
1:I:221:ILE:HG12	1:I:222:HIS:N	2.28	0.49
1:I:320:ASN:ND2	1:I:323:ARG:H	2.10	0.49
1:I:450:PRO:HG2	1:I:471:ILE:HD11	1.94	0.49
1:I:492:LEU:HD11	1:I:565:ALA:HB2	1.94	0.49
1:J:20:GLU:HB3	1:J:24:VAL:HA	1.95	0.49
1:J:68:LYS:HD2	1:J:72:MET:SD	2.53	0.49
1:J:145:LYS:HE2	1:J:147:VAL:CG2	2.40	0.49
1:J:149:ILE:HG22	1:J:265:THR:HA	1.95	0.49
1:J:272:THR:HG23	1:J:282:HIS:NE2	2.27	0.49
1:J:559:THR:HA	1:J:1036:UNK:C	2.41	0.49
1:K:35:MET:O	1:K:40:LEU:N	2.45	0.49
1:K:256:PHE:CD2	1:K:262:ILE:HG13	2.46	0.49
1:K:375:PHE:CE1	1:K:381:ILE:HD12	2.47	0.49
1:K:431:VAL:HG23	1:K:432:LYS:N	2.27	0.49
1:K:453:PHE:CD2	1:K:461:PRO:HG2	2.40	0.49
1:K:488:ARG:CD	1:K:494:PHE:HB2	2.29	0.49
1:L:12:TYR:CE2	1:L:15:ILE:HD12	2.47	0.49
1:L:45:ILE:HG23	1:L:46:ASP:N	2.27	0.49
1:L:68:LYS:HD2	1:L:72:MET:SD	2.53	0.49
1:L:312:LEU:CB	1:L:313:PRO:HD3	2.42	0.49
1:L:533:PRO:HA	1:L:536:GLU:CB	2.42	0.49
1:M:312:LEU:CB	1:M:313:PRO:HD3	2.42	0.49
1:N:75:LYS:HB2	1:N:75:LYS:NZ	2.28	0.49
1:N:1022:UNK:HA	1:N:1044:UNK:O	2.12	0.49
1:O:40:LEU:CD2	1:O:44:GLU:HB3	2.42	0.49
1:O:256:PHE:CE2	1:O:262:ILE:CB	2.93	0.49
1:O:369:PHE:CZ	1:O:427:LEU:CD2	2.94	0.49
1:O:492:LEU:HB2	1:O:576:GLU:HB3	1.95	0.49
1:P:182:ASN:HA	1:P:245:LEU:HB3	1.95	0.49
1:P:256:PHE:CD2	1:P:262:ILE:HB	2.47	0.49
1:P:388:LEU:CD1	1:P:449:ILE:HB	2.42	0.49
1:P:388:LEU:HD13	1:P:449:ILE:HB	1.95	0.49
1:P:390:TRP:CD2	1:P:402:VAL:CG1	2.96	0.49
1:P:431:VAL:HG23	1:P:432:LYS:N	2.27	0.49
1:P:453:PHE:CD2	1:P:461:PRO:HG2	2.40	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:546:LEU:HB3	1:P:547:PRO:HD3	1.93	0.49
1:A:192:VAL:HG11	1:A:251:LYS:CD	2.36	0.49
1:A:221:ILE:HG12	1:A:222:HIS:N	2.28	0.49
1:A:264:LEU:HD12	1:A:264:LEU:N	2.28	0.49
1:B:9:GLN:HB3	1:B:62:PHE:HE1	1.77	0.49
1:B:12:TYR:CE2	1:B:15:ILE:HD12	2.47	0.49
1:B:320:ASN:ND2	1:B:323:ARG:H	2.10	0.49
1:B:450:PRO:HG2	1:B:471:ILE:HD11	1.94	0.49
1:C:12:TYR:CE2	1:C:15:ILE:HD12	2.47	0.49
1:C:123:TYR:CD2	1:C:303:LYS:CB	2.94	0.49
1:C:127:ARG:CD	1:C:292:LEU:HD11	2.43	0.49
1:C:182:ASN:HA	1:C:245:LEU:HB3	1.95	0.49
1:C:256:PHE:CD2	1:C:262:ILE:HG13	2.46	0.49
1:C:375:PHE:CE1	1:C:381:ILE:HD12	2.47	0.49
1:C:390:TRP:CZ2	1:C:402:VAL:CG1	2.96	0.49
1:C:447:TYR:HE1	1:C:482:GLU:HG2	1.75	0.49
1:C:514:ILE:N	1:C:514:ILE:HD13	2.28	0.49
1:D:12:TYR:CE2	1:D:15:ILE:HD12	2.47	0.49
1:D:20:GLU:HB3	1:D:23:PHE:CD2	2.47	0.49
1:D:272:THR:HG23	1:D:282:HIS:NE2	2.27	0.49
1:D:492:LEU:HB2	1:D:576:GLU:HB3	1.95	0.49
1:E:221:ILE:HG12	1:E:222:HIS:N	2.28	0.49
1:E:235:LYS:HB3	1:E:236:PRO:CD	2.40	0.49
1:E:375:PHE:CD1	1:E:381:ILE:CD1	2.93	0.49
1:E:443:ILE:HG23	1:E:444:VAL:N	2.28	0.49
1:E:492:LEU:HD11	1:E:565:ALA:HB2	1.94	0.49
1:E:514:ILE:N	1:E:514:ILE:HD13	2.28	0.49
1:F:37:LYS:CD	1:F:37:LYS:C	2.81	0.49
1:F:75:LYS:HB2	1:F:75:LYS:NZ	2.28	0.49
1:F:90:SER:HB3	1:F:91:PRO:CD	2.42	0.49
1:F:453:PHE:CD2	1:F:461:PRO:HG2	2.40	0.49
1:F:488:ARG:CD	1:F:494:PHE:HB2	2.29	0.49
1:G:256:PHE:CD2	1:G:262:ILE:HB	2.48	0.49
1:G:382:PRO:HB3	1:G:419:THR:HG22	1.95	0.49
1:G:514:ILE:N	1:G:514:ILE:HD13	2.28	0.49
1:G:533:PRO:HA	1:G:536:GLU:CB	2.42	0.49
1:H:75:LYS:NZ	1:H:75:LYS:HB2	2.28	0.49
1:H:127:ARG:CD	1:H:292:LEU:HD11	2.43	0.49
1:H:149:ILE:HG22	1:H:265:THR:HA	1.95	0.49
1:I:35:MET:O	1:I:40:LEU:N	2.45	0.49
1:I:122:LYS:CB	1:I:304:TYR:CD2	2.95	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:476:LYS:CB	1:I:527:TYR:CD1	2.93	0.49
1:I:514:ILE:N	1:I:514:ILE:HD13	2.28	0.49
1:I:1096:UNK:HA	1:I:1110:UNK:HA	1.94	0.49
1:J:12:TYR:CE2	1:J:15:ILE:HD12	2.47	0.49
1:J:40:LEU:CD2	1:J:44:GLU:HB3	2.42	0.49
1:J:388:LEU:HD13	1:J:449:ILE:HB	1.95	0.49
1:J:492:LEU:HB2	1:J:576:GLU:HB3	1.95	0.49
1:K:9:GLN:HB3	1:K:62:PHE:HE1	1.77	0.49
1:K:221:ILE:HD13	1:K:221:ILE:N	2.27	0.49
1:K:320:ASN:ND2	1:K:323:ARG:H	2.10	0.49
1:K:388:LEU:CD1	1:K:449:ILE:HB	2.42	0.49
1:K:390:TRP:CZ2	1:K:402:VAL:CG1	2.96	0.49
1:K:514:ILE:N	1:K:514:ILE:HD13	2.28	0.49
1:L:127:ARG:CD	1:L:292:LEU:HD11	2.43	0.49
1:L:182:ASN:HA	1:L:245:LEU:HB3	1.95	0.49
1:L:216:ASN:CG	1:L:219:LEU:HD23	2.33	0.49
1:L:272:THR:HG23	1:L:282:HIS:NE2	2.27	0.49
1:L:320:ASN:ND2	1:L:323:ARG:H	2.10	0.49
1:L:431:VAL:HG23	1:L:432:LYS:N	2.27	0.49
1:M:131:TYR:HD2	1:M:132:LEU:CD2	2.15	0.49
1:M:193:LEU:CD2	1:M:221:ILE:HA	2.32	0.49
1:M:221:ILE:HG12	1:M:222:HIS:N	2.28	0.49
1:M:264:LEU:HD12	1:M:264:LEU:N	2.28	0.49
1:M:320:ASN:ND2	1:M:323:ARG:H	2.10	0.49
1:M:357:LEU:HG	1:M:366:ARG:HD3	1.94	0.49
1:M:484:MET:HA	1:M:489:MET:HE2	1.94	0.49
1:M:514:ILE:N	1:M:514:ILE:HD13	2.28	0.49
1:N:149:ILE:HG22	1:N:265:THR:HA	1.95	0.49
1:N:375:PHE:CD1	1:N:381:ILE:CD1	2.93	0.49
1:N:388:LEU:HD13	1:N:449:ILE:HB	1.95	0.49
1:N:390:TRP:CZ2	1:N:402:VAL:CG1	2.96	0.49
1:O:139:LEU:HD13	1:O:139:LEU:C	2.33	0.49
1:O:256:PHE:CD2	1:O:262:ILE:HB	2.48	0.49
1:O:384:ILE:CG2	1:O:463:LEU:HD22	2.39	0.49
1:O:428:GLU:HG2	1:O:432:LYS:HZ3	1.76	0.49
1:O:478:ILE:HG13	1:O:479:GLU:H	1.76	0.49
1:O:514:ILE:HD13	1:O:514:ILE:N	2.28	0.49
1:P:12:TYR:CE2	1:P:15:ILE:HD12	2.47	0.49
1:P:37:LYS:CD	1:P:37:LYS:C	2.81	0.49
1:P:75:LYS:HB2	1:P:75:LYS:NZ	2.28	0.49
1:P:369:PHE:HE1	1:P:427:LEU:CD1	2.21	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:50:MET:HG3	1:A:51:SER:N	2.28	0.49
1:A:382:PRO:HB3	1:A:419:THR:HG22	1.95	0.49
1:B:139:LEU:HD13	1:B:139:LEU:C	2.33	0.49
1:B:182:ASN:HA	1:B:245:LEU:HB3	1.95	0.49
1:B:272:THR:HG23	1:B:282:HIS:NE2	2.27	0.49
1:B:523:PHE:HD1	1:B:527:TYR:HE2	1.59	0.49
1:B:533:PRO:HA	1:B:536:GLU:CB	2.42	0.49
1:B:546:LEU:CB	1:B:547:PRO:HD3	2.43	0.49
1:C:9:GLN:HB3	1:C:62:PHE:HE1	1.77	0.49
1:C:47:HIS:HE1	1:C:60:ARG:HD2	1.77	0.49
1:C:320:ASN:ND2	1:C:323:ARG:H	2.10	0.49
1:D:132:LEU:O	1:D:136:GLN:HG3	2.13	0.49
1:D:388:LEU:HD13	1:D:449:ILE:HB	1.95	0.49
1:D:446:HIS:HA	1:D:449:ILE:HG22	1.94	0.49
1:D:466:TYR:CE2	1:D:470:HIS:HD2	2.30	0.49
1:E:35:MET:O	1:E:40:LEU:N	2.45	0.49
1:E:50:MET:HG3	1:E:51:SER:N	2.28	0.49
1:E:122:LYS:CB	1:E:304:TYR:CD2	2.95	0.49
1:E:141:LEU:HD23	1:E:143:PRO:HD2	1.94	0.49
1:E:264:LEU:HD12	1:E:264:LEU:N	2.28	0.49
1:F:149:ILE:HG22	1:F:265:THR:HA	1.95	0.49
1:G:256:PHE:CE2	1:G:262:ILE:CB	2.93	0.49
1:G:312:LEU:HB2	1:G:313:PRO:HD3	1.94	0.49
1:G:361:GLU:CG	1:G:365:TYR:CD1	2.95	0.49
1:G:369:PHE:CE1	1:G:372:LEU:CD1	2.95	0.49
1:H:388:LEU:HD13	1:H:449:ILE:HB	1.95	0.49
1:H:447:TYR:HE1	1:H:482:GLU:HG2	1.75	0.49
1:I:50:MET:HG3	1:I:51:SER:N	2.28	0.49
1:I:139:LEU:C	1:I:139:LEU:HD13	2.33	0.49
1:I:141:LEU:HD23	1:I:143:PRO:HD2	1.94	0.49
1:I:443:ILE:HG23	1:I:444:VAL:N	2.28	0.49
1:J:20:GLU:HB3	1:J:23:PHE:CD2	2.47	0.49
1:J:47:HIS:HE1	1:J:60:ARG:HD2	1.77	0.49
1:J:144:ALA:HA	1:J:261:LYS:CB	2.39	0.49
1:J:382:PRO:CB	1:J:419:THR:HG22	2.42	0.49
1:K:12:TYR:CE2	1:K:15:ILE:HD12	2.47	0.49
1:K:40:LEU:CG	1:K:64:THR:HG21	2.33	0.49
1:K:68:LYS:HD2	1:K:72:MET:SD	2.53	0.49
1:K:127:ARG:CD	1:K:292:LEU:HD11	2.43	0.49
1:K:182:ASN:HA	1:K:245:LEU:HB3	1.95	0.49
1:K:349:LEU:HD23	1:K:426:TYR:CE1	2.43	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:9:GLN:HB3	1:L:62:PHE:HE1	1.77	0.49
1:L:132:LEU:O	1:L:136:GLN:HG3	2.13	0.49
1:L:139:LEU:C	1:L:139:LEU:HD13	2.33	0.49
1:L:450:PRO:HG2	1:L:471:ILE:HD11	1.94	0.49
1:M:32:VAL:O	1:M:36:PRO:HD2	2.03	0.49
1:M:40:LEU:CD2	1:M:44:GLU:HB3	2.42	0.49
1:M:182:ASN:HA	1:M:245:LEU:HB3	1.95	0.49
1:M:192:VAL:HG11	1:M:251:LYS:CD	2.36	0.49
1:M:221:ILE:HD13	1:M:221:ILE:N	2.27	0.49
1:O:369:PHE:CE1	1:O:372:LEU:CD1	2.95	0.49
1:O:382:PRO:HB3	1:O:419:THR:HG22	1.95	0.49
1:P:90:SER:HB3	1:P:91:PRO:CD	2.42	0.49
1:P:149:ILE:HG22	1:P:265:THR:HA	1.95	0.49
1:P:488:ARG:CA	1:P:491:PHE:H	2.18	0.49
1:A:182:ASN:HA	1:A:245:LEU:HB3	1.95	0.48
1:A:492:LEU:HB2	1:A:576:GLU:HB3	1.95	0.48
1:B:123:TYR:CE2	1:B:303:LYS:HD3	2.48	0.48
1:B:132:LEU:O	1:B:136:GLN:HG3	2.13	0.48
1:B:216:ASN:CG	1:B:219:LEU:HD23	2.33	0.48
1:B:388:LEU:CD1	1:B:449:ILE:HB	2.42	0.48
1:C:33:GLN:HA	1:C:36:PRO:HG2	1.93	0.48
1:C:68:LYS:HD2	1:C:72:MET:SD	2.53	0.48
1:C:100:SER:HB3	1:C:102:MET:HE3	1.93	0.48
1:D:123:TYR:CE2	1:D:303:LYS:HD3	2.48	0.48
1:D:141:LEU:HD13	1:D:145:LYS:CG	2.43	0.48
1:D:141:LEU:HD23	1:D:143:PRO:HD2	1.94	0.48
1:D:161:ALA:HB3	1:D:180:TRP:HH2	1.78	0.48
1:D:221:ILE:HG12	1:D:222:HIS:N	2.28	0.48
1:D:320:ASN:ND2	1:D:323:ARG:H	2.10	0.48
1:D:357:LEU:CD1	1:D:366:ARG:HH11	2.25	0.48
1:D:388:LEU:CD1	1:D:449:ILE:HB	2.42	0.48
1:E:37:LYS:CD	1:E:37:LYS:C	2.81	0.48
1:E:216:ASN:CG	1:E:219:LEU:HD23	2.33	0.48
1:E:276:SER:CB	1:E:282:HIS:HB2	2.43	0.48
1:E:353:ILE:HG23	1:E:354:GLU:N	2.28	0.48
1:F:68:LYS:HD2	1:F:72:MET:SD	2.53	0.48
1:F:127:ARG:CD	1:F:292:LEU:HD11	2.43	0.48
1:F:132:LEU:O	1:F:136:GLN:HG3	2.13	0.48
1:F:476:LYS:CB	1:F:527:TYR:CD1	2.93	0.48
1:F:559:THR:HA	1:F:1036:UNK:C	2.41	0.48
1:G:139:LEU:HD13	1:G:139:LEU:C	2.33	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:216:ASN:CG	1:G:219:LEU:HD23	2.33	0.48
1:G:312:LEU:CB	1:G:313:PRO:HD3	2.42	0.48
1:G:381:ILE:C	1:G:419:THR:HB	2.34	0.48
1:H:20:GLU:HB3	1:H:24:VAL:HA	1.95	0.48
1:H:73:VAL:HG13	1:H:74:GLN:N	2.27	0.48
1:H:123:TYR:CE2	1:H:303:LYS:HD3	2.48	0.48
1:I:193:LEU:CD2	1:I:224:ILE:HD12	2.41	0.48
1:I:216:ASN:CG	1:I:219:LEU:HD23	2.33	0.48
1:I:264:LEU:HD12	1:I:264:LEU:N	2.28	0.48
1:I:276:SER:CB	1:I:282:HIS:HB2	2.43	0.48
1:I:388:LEU:HD13	1:I:449:ILE:HB	1.95	0.48
1:J:123:TYR:CE2	1:J:303:LYS:HD3	2.48	0.48
1:J:141:LEU:HD13	1:J:145:LYS:CG	2.43	0.48
1:J:141:LEU:HD23	1:J:143:PRO:HD2	1.94	0.48
1:J:161:ALA:HB3	1:J:180:TRP:HH2	1.78	0.48
1:J:221:ILE:HG12	1:J:222:HIS:N	2.28	0.48
1:J:320:ASN:ND2	1:J:323:ARG:H	2.10	0.48
1:J:357:LEU:CD1	1:J:366:ARG:HH11	2.25	0.48
1:J:446:HIS:HA	1:J:449:ILE:HG22	1.94	0.48
1:K:100:SER:HB3	1:K:102:MET:HE3	1.93	0.48
1:L:33:GLN:HA	1:L:36:PRO:HG2	1.93	0.48
1:L:478:ILE:HG13	1:L:479:GLU:H	1.76	0.48
1:L:523:PHE:HD1	1:L:527:TYR:HE2	1.59	0.48
1:L:546:LEU:CB	1:L:547:PRO:HD3	2.43	0.48
1:M:50:MET:HG3	1:M:51:SER:N	2.28	0.48
1:M:123:TYR:CD2	1:M:303:LYS:CB	2.94	0.48
1:M:322:ARG:NE	1:M:349:LEU:HG	2.28	0.48
1:M:492:LEU:HB2	1:M:576:GLU:HB3	1.95	0.48
1:N:20:GLU:HB3	1:N:24:VAL:HA	1.95	0.48
1:N:33:GLN:HA	1:N:36:PRO:HG2	1.93	0.48
1:N:123:TYR:CE2	1:N:303:LYS:HD3	2.48	0.48
1:O:312:LEU:CB	1:O:313:PRO:HD3	2.42	0.48
1:O:312:LEU:HB2	1:O:313:PRO:HD3	1.94	0.48
1:O:357:LEU:HD13	1:O:357:LEU:C	2.33	0.48
1:O:381:ILE:C	1:O:419:THR:HB	2.34	0.48
1:O:533:PRO:HA	1:O:536:GLU:CB	2.42	0.48
1:P:40:LEU:CD2	1:P:44:GLU:HB3	2.42	0.48
1:P:127:ARG:CD	1:P:292:LEU:HD11	2.43	0.48
1:P:382:PRO:HB3	1:P:419:THR:HG22	1.95	0.48
1:P:508:TRP:HD1	1:P:509:ASN:H	1.56	0.48
1:A:20:GLU:HB3	1:A:23:PHE:CD2	2.47	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:68:LYS:HD2	1:A:72:MET:SD	2.53	0.48
1:A:144:ALA:HA	1:A:261:LYS:CB	2.39	0.48
1:A:322:ARG:NE	1:A:349:LEU:HG	2.28	0.48
1:A:357:LEU:HG	1:A:366:ARG:HD3	1.95	0.48
1:A:388:LEU:HD13	1:A:449:ILE:HB	1.95	0.48
1:A:390:TRP:CD2	1:A:402:VAL:CG1	2.96	0.48
1:B:33:GLN:HA	1:B:36:PRO:HG2	1.93	0.48
1:B:148:LEU:HD21	1:B:253:TRP:CH2	2.45	0.48
1:B:149:ILE:HG22	1:B:265:THR:HA	1.95	0.48
1:B:357:LEU:CD1	1:B:366:ARG:HH11	2.25	0.48
1:B:359:VAL:HG12	1:B:360:LEU:HD12	1.92	0.48
1:B:390:TRP:CZ2	1:B:402:VAL:CG1	2.96	0.48
1:C:141:LEU:HD13	1:C:145:LYS:CG	2.43	0.48
1:C:152:VAL:CG2	1:C:410:LEU:HD11	2.40	0.48
1:C:221:ILE:HG12	1:C:222:HIS:N	2.28	0.48
1:C:235:LYS:CB	1:C:236:PRO:HD2	2.37	0.48
1:C:276:SER:CB	1:C:282:HIS:HB2	2.43	0.48
1:C:353:ILE:HG23	1:C:354:GLU:N	2.28	0.48
1:C:398:VAL:HG23	1:C:399:MET:N	2.28	0.48
1:D:144:ALA:HA	1:D:261:LYS:CB	2.39	0.48
1:D:382:PRO:CB	1:D:419:THR:HG22	2.42	0.48
1:D:391:PHE:HD1	1:D:398:VAL:HG11	1.72	0.48
1:D:398:VAL:HG23	1:D:399:MET:N	2.28	0.48
1:E:2:ASP:H	1:E:70:GLU:HG3	1.77	0.48
1:E:20:GLU:HB3	1:E:24:VAL:HA	1.95	0.48
1:E:28:ASP:OD1	1:E:35:MET:HE1	2.13	0.48
1:E:123:TYR:CE2	1:E:303:LYS:HD3	2.49	0.48
1:E:388:LEU:HD13	1:E:449:ILE:HB	1.95	0.48
1:F:40:LEU:CD2	1:F:44:GLU:HB3	2.42	0.48
1:F:123:TYR:HB3	1:F:303:LYS:HB3	1.95	0.48
1:F:139:LEU:HD13	1:F:139:LEU:C	2.33	0.48
1:F:313:PRO:HA	1:F:316:VAL:CG1	2.43	0.48
1:F:382:PRO:HB3	1:F:419:THR:HG22	1.95	0.48
1:F:508:TRP:HD1	1:F:509:ASN:H	1.56	0.48
1:G:9:GLN:HB3	1:G:62:PHE:HE1	1.77	0.48
1:G:357:LEU:HD13	1:G:357:LEU:C	2.33	0.48
1:G:443:ILE:HG23	1:G:444:VAL:N	2.28	0.48
1:H:375:PHE:CD1	1:H:381:ILE:CD1	2.93	0.48
1:I:9:GLN:HB3	1:I:62:PHE:HE1	1.77	0.48
1:I:37:LYS:CD	1:I:37:LYS:C	2.81	0.48
1:I:123:TYR:CE2	1:I:303:LYS:HD3	2.49	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:353:ILE:HG23	1:I:354:GLU:N	2.28	0.48
1:I:375:PHE:CD1	1:I:381:ILE:CD1	2.93	0.48
1:I:390:TRP:CD2	1:I:402:VAL:CG1	2.96	0.48
1:J:132:LEU:O	1:J:136:GLN:HG3	2.13	0.48
1:J:388:LEU:CD1	1:J:449:ILE:HB	2.42	0.48
1:J:398:VAL:HG23	1:J:399:MET:N	2.28	0.48
1:J:466:TYR:CE2	1:J:470:HIS:HD2	2.30	0.48
1:J:1096:UNK:HA	1:J:1110:UNK:HA	1.94	0.48
1:K:50:MET:HG3	1:K:51:SER:N	2.28	0.48
1:K:141:LEU:HD13	1:K:145:LYS:CG	2.43	0.48
1:K:152:VAL:CG2	1:K:410:LEU:HD11	2.40	0.48
1:K:228:LEU:HD23	1:K:228:LEU:O	2.13	0.48
1:K:398:VAL:HG23	1:K:399:MET:N	2.28	0.48
1:K:446:HIS:HA	1:K:449:ILE:HG22	1.94	0.48
1:K:511:SER:HB3	1:K:645:UNK:C	2.44	0.48
1:L:123:TYR:CD2	1:L:303:LYS:CB	2.94	0.48
1:L:123:TYR:CE2	1:L:303:LYS:HD3	2.48	0.48
1:L:149:ILE:HG22	1:L:265:THR:HA	1.95	0.48
1:L:357:LEU:CD1	1:L:366:ARG:HH11	2.25	0.48
1:L:388:LEU:CD1	1:L:449:ILE:HB	2.42	0.48
1:L:390:TRP:CZ2	1:L:402:VAL:CG1	2.96	0.48
1:M:20:GLU:HB3	1:M:23:PHE:CD2	2.47	0.48
1:M:357:LEU:CD1	1:M:366:ARG:HH11	2.25	0.48
1:M:382:PRO:HB3	1:M:419:THR:HG22	1.95	0.48
1:M:497:LEU:HD23	1:M:497:LEU:HA	1.61	0.48
1:N:73:VAL:HG13	1:N:74:GLN:N	2.27	0.48
1:N:132:LEU:O	1:N:136:GLN:HG3	2.13	0.48
1:N:312:LEU:CB	1:N:313:PRO:HD3	2.42	0.48
1:N:312:LEU:HB2	1:N:313:PRO:HD3	1.95	0.48
1:O:216:ASN:CG	1:O:219:LEU:HD23	2.33	0.48
1:O:495:ARG:NE	1:O:561:LEU:HD12	2.21	0.48
1:O:519:GLN:CG	1:O:523:PHE:CZ	2.94	0.48
1:P:34:ASP:OD1	1:P:34:ASP:N	2.45	0.48
1:P:68:LYS:HD2	1:P:72:MET:SD	2.53	0.48
1:P:123:TYR:CE2	1:P:303:LYS:HD3	2.48	0.48
1:P:123:TYR:HB3	1:P:303:LYS:HB3	1.95	0.48
1:P:313:PRO:HA	1:P:316:VAL:CG1	2.43	0.48
1:P:476:LYS:CB	1:P:527:TYR:CD1	2.93	0.48
1:P:559:THR:HA	1:P:1036:UNK:C	2.41	0.48
1:A:123:TYR:CD2	1:A:303:LYS:CB	2.94	0.48
1:A:382:PRO:CB	1:A:419:THR:HG22	2.42	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:999:UNK:O	1:A:1020:UNK:CB	2.62	0.48
1:B:39:ILE:HD12	1:B:39:ILE:HA	1.71	0.48
1:B:50:MET:HG3	1:B:51:SER:N	2.28	0.48
1:B:123:TYR:CD2	1:B:303:LYS:CB	2.94	0.48
1:B:228:LEU:HD23	1:B:228:LEU:O	2.13	0.48
1:B:276:SER:CB	1:B:282:HIS:HB2	2.43	0.48
1:B:322:ARG:NE	1:B:349:LEU:HG	2.29	0.48
1:B:999:UNK:O	1:B:1020:UNK:CB	2.62	0.48
1:C:7:GLU:HG2	1:C:107:ILE:HD13	1.94	0.48
1:C:228:LEU:HD23	1:C:228:LEU:O	2.13	0.48
1:C:511:SER:HB3	1:C:645:UNK:C	2.44	0.48
1:D:75:LYS:HB2	1:D:75:LYS:NZ	2.28	0.48
1:D:276:SER:CB	1:D:282:HIS:HB2	2.43	0.48
1:D:1096:UNK:HA	1:D:1110:UNK:HA	1.94	0.48
1:E:9:GLN:HB3	1:E:62:PHE:HE1	1.77	0.48
1:E:141:LEU:HD13	1:E:145:LYS:CG	2.43	0.48
1:E:193:LEU:CD2	1:E:224:ILE:HD12	2.41	0.48
1:E:288:HIS:CG	1:E:289:SER:H	2.32	0.48
1:E:365:TYR:CZ	1:E:401:VAL:HG13	2.49	0.48
1:E:390:TRP:CD2	1:E:402:VAL:CG1	2.96	0.48
1:E:492:LEU:HB2	1:E:576:GLU:HB3	1.95	0.48
1:E:999:UNK:O	1:E:1020:UNK:CB	2.62	0.48
1:F:123:TYR:CE2	1:F:303:LYS:HD3	2.48	0.48
1:G:68:LYS:HD2	1:G:72:MET:SD	2.53	0.48
1:G:120:PHE:HD1	1:G:121:ALA:N	2.10	0.48
1:G:519:GLN:CG	1:G:523:PHE:CZ	2.94	0.48
1:G:546:LEU:CB	1:G:547:PRO:HD3	2.43	0.48
1:H:33:GLN:HA	1:H:36:PRO:HG2	1.93	0.48
1:H:68:LYS:HD2	1:H:72:MET:SD	2.53	0.48
1:H:192:VAL:HG11	1:H:251:LYS:CD	2.36	0.48
1:H:312:LEU:CB	1:H:313:PRO:HD3	2.42	0.48
1:H:312:LEU:HB2	1:H:313:PRO:HD3	1.95	0.48
1:H:369:PHE:CZ	1:H:427:LEU:CD2	2.94	0.48
1:H:546:LEU:CB	1:H:547:PRO:HD3	2.43	0.48
1:I:2:ASP:H	1:I:70:GLU:HG3	1.77	0.48
1:I:20:GLU:HB3	1:I:24:VAL:HA	1.95	0.48
1:I:28:ASP:OD1	1:I:35:MET:HE1	2.13	0.48
1:I:288:HIS:CG	1:I:289:SER:H	2.32	0.48
1:I:365:TYR:CZ	1:I:401:VAL:HG13	2.49	0.48
1:I:523:PHE:HD1	1:I:527:TYR:HE2	1.59	0.48
1:I:999:UNK:O	1:I:1020:UNK:CB	2.62	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:40:LEU:CD2	1:J:48:ILE:HD13	2.34	0.48
1:J:75:LYS:HB2	1:J:75:LYS:NZ	2.28	0.48
1:J:276:SER:CB	1:J:282:HIS:HB2	2.43	0.48
1:J:443:ILE:HG23	1:J:444:VAL:N	2.28	0.48
1:K:7:GLU:HG2	1:K:107:ILE:HD13	1.93	0.48
1:K:20:GLU:HB3	1:K:23:PHE:CD2	2.47	0.48
1:K:33:GLN:HA	1:K:36:PRO:HG2	1.93	0.48
1:K:221:ILE:HG12	1:K:222:HIS:N	2.28	0.48
1:K:353:ILE:HG23	1:K:354:GLU:N	2.28	0.48
1:K:466:TYR:CE2	1:K:470:HIS:HD2	2.30	0.48
1:L:20:GLU:HB3	1:L:23:PHE:CD2	2.47	0.48
1:L:228:LEU:HD23	1:L:228:LEU:O	2.13	0.48
1:L:228:LEU:CD2	1:L:232:LEU:HD13	2.31	0.48
1:L:264:LEU:HD12	1:L:264:LEU:N	2.28	0.48
1:L:322:ARG:NE	1:L:349:LEU:HG	2.29	0.48
1:L:999:UNK:O	1:L:1020:UNK:CB	2.62	0.48
1:M:68:LYS:HD2	1:M:72:MET:SD	2.53	0.48
1:M:144:ALA:HA	1:M:261:LYS:CB	2.39	0.48
1:M:388:LEU:HD13	1:M:449:ILE:HB	1.95	0.48
1:M:390:TRP:CD2	1:M:402:VAL:CG1	2.96	0.48
1:M:466:TYR:CE2	1:M:470:HIS:HD2	2.30	0.48
1:M:546:LEU:CB	1:M:547:PRO:HD3	2.43	0.48
1:M:999:UNK:O	1:M:1020:UNK:CB	2.62	0.48
1:N:447:TYR:HE1	1:N:482:GLU:HG2	1.75	0.48
1:N:546:LEU:CB	1:N:547:PRO:HD3	2.43	0.48
1:O:122:LYS:CB	1:O:304:TYR:CD2	2.95	0.48
1:O:523:PHE:HD1	1:O:527:TYR:HE2	1.59	0.48
1:O:546:LEU:CB	1:O:547:PRO:HD3	2.43	0.48
1:P:132:LEU:O	1:P:136:GLN:HG3	2.13	0.48
1:P:152:VAL:CG2	1:P:410:LEU:HD11	2.40	0.48
1:P:161:ALA:HB3	1:P:180:TRP:HH2	1.78	0.48
1:P:488:ARG:CD	1:P:494:PHE:HB2	2.29	0.48
1:A:193:LEU:HD22	1:A:224:ILE:CD1	2.39	0.48
1:A:228:LEU:HD23	1:A:228:LEU:O	2.13	0.48
1:A:276:SER:CB	1:A:282:HIS:HB2	2.43	0.48
1:A:301:LEU:HG	1:A:305:LEU:HD12	1.96	0.48
1:A:312:LEU:HB2	1:A:313:PRO:HD3	1.94	0.48
1:A:357:LEU:CD1	1:A:366:ARG:HH11	2.25	0.48
1:A:546:LEU:CB	1:A:547:PRO:HD3	2.43	0.48
1:A:559:THR:HA	1:A:1036:UNK:C	2.41	0.48
1:B:20:GLU:HB3	1:B:23:PHE:CD2	2.47	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:75:LYS:HB2	1:B:75:LYS:NZ	2.28	0.48
1:B:264:LEU:HD12	1:B:264:LEU:N	2.28	0.48
1:B:376:PRO:HG2	1:B:470:HIS:CD2	2.49	0.48
1:B:382:PRO:HB3	1:B:419:THR:HG22	1.95	0.48
1:B:384:ILE:CG2	1:B:463:LEU:HD22	2.39	0.48
1:B:388:LEU:CD1	1:B:449:ILE:HG13	2.37	0.48
1:B:536:GLU:HA	1:B:539:VAL:HG12	1.95	0.48
1:C:20:GLU:HB3	1:C:23:PHE:CD2	2.47	0.48
1:C:50:MET:HG3	1:C:51:SER:N	2.28	0.48
1:C:122:LYS:CB	1:C:304:TYR:CD2	2.95	0.48
1:C:123:TYR:CE2	1:C:303:LYS:HD3	2.49	0.48
1:C:141:LEU:HD23	1:C:143:PRO:HD2	1.94	0.48
1:C:288:HIS:CG	1:C:289:SER:H	2.32	0.48
1:C:446:HIS:HA	1:C:449:ILE:HG22	1.94	0.48
1:C:476:LYS:CB	1:C:527:TYR:CD1	2.93	0.48
1:C:559:THR:HA	1:C:1036:UNK:C	2.41	0.48
1:D:256:PHE:CD2	1:D:262:ILE:HG13	2.46	0.48
1:D:365:TYR:CZ	1:D:401:VAL:HG13	2.49	0.48
1:D:443:ILE:HG23	1:D:444:VAL:N	2.28	0.48
1:E:179:PHE:HZ	1:E:237:TYR:CE1	2.32	0.48
1:E:377:PRO:HA	1:E:422:ILE:HD11	1.95	0.48
1:F:8:HIS:HB3	1:F:95:GLU:CG	2.41	0.48
1:F:34:ASP:N	1:F:34:ASP:OD1	2.45	0.48
1:F:152:VAL:CG2	1:F:410:LEU:HD11	2.40	0.48
1:F:161:ALA:HB3	1:F:180:TRP:HH2	1.78	0.48
1:F:179:PHE:HZ	1:F:237:TYR:CE1	2.32	0.48
1:G:88:LEU:H	1:G:88:LEU:CD2	2.26	0.48
1:G:145:LYS:HE2	1:G:147:VAL:CG2	2.40	0.48
1:G:288:HIS:CG	1:G:289:SER:H	2.32	0.48
1:G:523:PHE:HD1	1:G:527:TYR:HE2	1.59	0.48
1:H:132:LEU:O	1:H:136:GLN:HG3	2.13	0.48
1:H:235:LYS:CB	1:H:236:PRO:HD2	2.37	0.48
1:H:256:PHE:CD2	1:H:262:ILE:HB	2.47	0.48
1:H:353:ILE:HG23	1:H:354:GLU:N	2.28	0.48
1:I:12:TYR:CZ	1:I:15:ILE:CD1	2.93	0.48
1:I:141:LEU:HD13	1:I:145:LYS:CG	2.43	0.48
1:I:179:PHE:HZ	1:I:237:TYR:CE1	2.32	0.48
1:I:381:ILE:C	1:I:419:THR:HB	2.34	0.48
1:I:492:LEU:HB2	1:I:576:GLU:HB3	1.95	0.48
1:J:51:SER:OG	1:J:60:ARG:HG3	2.13	0.48
1:J:228:LEU:HD23	1:J:228:LEU:O	2.13	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:365:TYR:CZ	1:J:401:VAL:HG13	2.49	0.48
1:K:47:HIS:HE1	1:K:60:ARG:HD2	1.77	0.48
1:K:123:TYR:CE2	1:K:303:LYS:HD3	2.49	0.48
1:K:141:LEU:HD23	1:K:143:PRO:HD2	1.94	0.48
1:K:179:PHE:HD1	1:K:242:LEU:HD21	1.79	0.48
1:K:235:LYS:CB	1:K:236:PRO:HD2	2.37	0.48
1:K:276:SER:CB	1:K:282:HIS:HB2	2.43	0.48
1:K:288:HIS:CG	1:K:289:SER:H	2.32	0.48
1:K:312:LEU:HB2	1:K:313:PRO:HD3	1.94	0.48
1:L:75:LYS:NZ	1:L:75:LYS:HB2	2.28	0.48
1:L:141:LEU:HD13	1:L:145:LYS:CG	2.43	0.48
1:L:276:SER:CB	1:L:282:HIS:HB2	2.43	0.48
1:L:376:PRO:HG2	1:L:470:HIS:CD2	2.49	0.48
1:L:382:PRO:HB3	1:L:419:THR:HG22	1.95	0.48
1:L:511:SER:HB3	1:L:645:UNK:C	2.44	0.48
1:M:179:PHE:HD1	1:M:242:LEU:HD21	1.79	0.48
1:M:193:LEU:HD22	1:M:224:ILE:CD1	2.39	0.48
1:M:320:ASN:HD21	1:M:323:ARG:HB2	1.79	0.48
1:N:272:THR:HG23	1:N:282:HIS:NE2	2.27	0.48
1:N:353:ILE:HG23	1:N:354:GLU:N	2.28	0.48
1:N:369:PHE:CZ	1:N:427:LEU:CD2	2.94	0.48
1:O:9:GLN:HB3	1:O:62:PHE:HE1	1.77	0.48
1:O:88:LEU:H	1:O:88:LEU:CD2	2.26	0.48
1:O:120:PHE:HD1	1:O:121:ALA:N	2.10	0.48
1:O:179:PHE:HZ	1:O:237:TYR:CE1	2.32	0.48
1:O:431:VAL:HG23	1:O:432:LYS:N	2.27	0.48
1:O:435:ASN:HD22	1:O:435:ASN:HA	1.43	0.48
1:O:443:ILE:HG23	1:O:444:VAL:N	2.28	0.48
1:P:73:VAL:HG13	1:P:74:GLN:N	2.27	0.48
1:P:139:LEU:C	1:P:139:LEU:HD13	2.33	0.48
1:P:179:PHE:HZ	1:P:237:TYR:CE1	2.32	0.48
1:P:216:ASN:CG	1:P:219:LEU:HD23	2.33	0.48
1:P:365:TYR:CZ	1:P:401:VAL:HG13	2.49	0.48
1:A:34:ASP:OD1	1:A:34:ASP:N	2.45	0.48
1:A:127:ARG:CD	1:A:292:LEU:HD11	2.43	0.48
1:A:320:ASN:HD21	1:A:323:ARG:HB2	1.79	0.48
1:A:385:LEU:CD1	1:A:466:TYR:CB	2.92	0.48
1:A:466:TYR:CE2	1:A:470:HIS:HD2	2.30	0.48
1:A:515:LEU:CD1	1:A:519:GLN:HB2	2.39	0.48
1:B:125:VAL:CG2	1:B:297:VAL:HA	2.44	0.48
1:B:141:LEU:HD13	1:B:145:LYS:CG	2.43	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:179:PHE:HD1	1:B:242:LEU:HD21	1.79	0.48
1:B:256:PHE:CD2	1:B:262:ILE:HG13	2.46	0.48
1:B:369:PHE:HE1	1:B:427:LEU:CD1	2.21	0.48
1:B:391:PHE:HD1	1:B:398:VAL:HG11	1.72	0.48
1:B:511:SER:HB3	1:B:645:UNK:C	2.44	0.48
1:C:179:PHE:HD1	1:C:242:LEU:HD21	1.79	0.48
1:C:312:LEU:HB2	1:C:313:PRO:HD3	1.94	0.48
1:C:322:ARG:NE	1:C:349:LEU:HG	2.28	0.48
1:C:385:LEU:CD1	1:C:466:TYR:CB	2.92	0.48
1:C:466:TYR:CE2	1:C:470:HIS:HD2	2.30	0.48
1:C:523:PHE:HD1	1:C:527:TYR:HE2	1.59	0.48
1:C:573:ILE:HG22	1:C:574:PHE:N	2.28	0.48
1:D:51:SER:OG	1:D:60:ARG:HG3	2.13	0.48
1:D:149:ILE:HG21	1:D:149:ILE:HD13	1.40	0.48
1:D:228:LEU:HD23	1:D:228:LEU:O	2.13	0.48
1:D:256:PHE:CD2	1:D:262:ILE:HB	2.47	0.48
1:D:302:LEU:HD22	1:D:307:CYS:H	1.77	0.48
1:D:313:PRO:HA	1:D:316:VAL:CG1	2.43	0.48
1:D:431:VAL:HG23	1:D:432:LYS:N	2.27	0.48
1:E:12:TYR:CE2	1:E:15:ILE:HD12	2.47	0.48
1:E:312:LEU:HB2	1:E:313:PRO:HD3	1.94	0.48
1:E:381:ILE:C	1:E:419:THR:HB	2.34	0.48
1:E:382:PRO:HB3	1:E:419:THR:HG22	1.95	0.48
1:E:523:PHE:HD1	1:E:527:TYR:HE2	1.59	0.48
1:F:73:VAL:HG13	1:F:74:GLN:N	2.27	0.48
1:F:120:PHE:HD1	1:F:121:ALA:N	2.10	0.48
1:F:179:PHE:HD1	1:F:242:LEU:HD21	1.79	0.48
1:F:216:ASN:CG	1:F:219:LEU:HD23	2.33	0.48
1:F:276:SER:CB	1:F:282:HIS:HB2	2.43	0.48
1:F:357:LEU:HD13	1:F:357:LEU:C	2.33	0.48
1:F:365:TYR:CZ	1:F:401:VAL:HG13	2.49	0.48
1:G:122:LYS:CB	1:G:304:TYR:CD2	2.95	0.48
1:G:179:PHE:HZ	1:G:237:TYR:CE1	2.32	0.48
1:G:357:LEU:HD11	1:G:366:ARG:CD	2.27	0.48
1:G:495:ARG:NE	1:G:561:LEU:HD12	2.21	0.48
1:H:186:CYS:CB	1:H:249:ASN:HB3	2.44	0.48
1:H:320:ASN:HD22	1:H:322:ARG:HG3	1.78	0.48
1:H:508:TRP:CD1	1:H:509:ASN:N	2.82	0.48
1:H:573:ILE:HG22	1:H:574:PHE:N	2.28	0.48
1:I:301:LEU:HG	1:I:305:LEU:HD12	1.96	0.48
1:I:377:PRO:HA	1:I:422:ILE:HD11	1.95	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:382:PRO:HB3	1:I:419:THR:HG22	1.95	0.48
1:I:390:TRP:CZ2	1:I:402:VAL:CG1	2.96	0.48
1:J:73:VAL:HG13	1:J:74:GLN:N	2.27	0.48
1:J:81:LEU:HA	1:J:89:MET:HE2	1.96	0.48
1:J:256:PHE:CD2	1:J:262:ILE:HG13	2.46	0.48
1:J:320:ASN:HD22	1:J:322:ARG:HG3	1.78	0.48
1:J:999:UNK:O	1:J:1020:UNK:CB	2.62	0.48
1:K:122:LYS:CB	1:K:304:TYR:CD2	2.95	0.48
1:K:320:ASN:HD21	1:K:323:ARG:HB2	1.79	0.48
1:K:385:LEU:CD1	1:K:466:TYR:CB	2.92	0.48
1:K:450:PRO:HG2	1:K:471:ILE:HD11	1.94	0.48
1:K:523:PHE:HD1	1:K:527:TYR:HE2	1.59	0.48
1:K:559:THR:HA	1:K:1036:UNK:C	2.41	0.48
1:L:50:MET:HG3	1:L:51:SER:N	2.28	0.48
1:L:125:VAL:CG2	1:L:297:VAL:HA	2.44	0.48
1:L:148:LEU:HD21	1:L:253:TRP:CH2	2.45	0.48
1:L:320:ASN:ND2	1:L:322:ARG:HG3	2.29	0.48
1:L:320:ASN:HD21	1:L:323:ARG:HB2	1.79	0.48
1:L:536:GLU:HA	1:L:539:VAL:HG12	1.95	0.48
1:M:228:LEU:HD23	1:M:228:LEU:O	2.13	0.48
1:M:301:LEU:HG	1:M:305:LEU:HD12	1.96	0.48
1:M:382:PRO:CB	1:M:419:THR:HG22	2.42	0.48
1:M:385:LEU:CD1	1:M:466:TYR:CB	2.92	0.48
1:M:515:LEU:CD1	1:M:519:GLN:HB2	2.39	0.48
1:N:186:CYS:CB	1:N:249:ASN:HB3	2.44	0.48
1:N:192:VAL:HG11	1:N:251:LYS:CD	2.36	0.48
1:N:256:PHE:CD2	1:N:262:ILE:HB	2.47	0.48
1:N:385:LEU:CD1	1:N:466:TYR:CB	2.92	0.48
1:N:508:TRP:CD1	1:N:509:ASN:N	2.82	0.48
1:N:573:ILE:HG22	1:N:574:PHE:N	2.28	0.48
1:O:68:LYS:HD2	1:O:72:MET:SD	2.53	0.48
1:O:145:LYS:HE2	1:O:147:VAL:CG2	2.40	0.48
1:O:288:HIS:CG	1:O:289:SER:H	2.32	0.48
1:O:573:ILE:HG22	1:O:574:PHE:N	2.28	0.48
1:P:35:MET:HE1	1:P:61:LEU:HD22	1.96	0.48
1:P:179:PHE:CD1	1:P:240:CYS:SG	3.07	0.48
1:P:179:PHE:HD1	1:P:242:LEU:HD21	1.79	0.48
1:P:276:SER:CB	1:P:282:HIS:HB2	2.43	0.48
1:P:511:SER:HB3	1:P:645:UNK:C	2.44	0.48
1:A:20:GLU:HB3	1:A:24:VAL:HA	1.95	0.48
1:A:37:LYS:CD	1:A:37:LYS:C	2.81	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:179:PHE:HD1	1:A:242:LEU:HD21	1.79	0.48
1:A:288:HIS:CG	1:A:289:SER:H	2.32	0.48
1:A:323:ARG:HG2	1:A:327:ILE:CD1	2.44	0.48
1:A:376:PRO:HG2	1:A:470:HIS:CD2	2.49	0.48
1:A:484:MET:HA	1:A:489:MET:HE1	1.90	0.48
1:B:35:MET:HE1	1:B:61:LEU:HD22	1.95	0.48
1:B:228:LEU:CD2	1:B:232:LEU:HD13	2.31	0.48
1:B:320:ASN:ND2	1:B:322:ARG:HG3	2.29	0.48
1:B:320:ASN:HD21	1:B:323:ARG:HB2	1.79	0.48
1:B:466:TYR:CE2	1:B:470:HIS:HD2	2.30	0.48
1:C:320:ASN:HD21	1:C:323:ARG:HB2	1.79	0.48
1:C:323:ARG:O	1:C:327:ILE:HG13	2.14	0.48
1:C:357:LEU:CD1	1:C:366:ARG:HH11	2.25	0.48
1:C:450:PRO:HG2	1:C:471:ILE:HD11	1.94	0.48
1:C:492:LEU:HB2	1:C:576:GLU:HB3	1.95	0.48
1:C:1074:UNK:CB	1:C:1094:UNK:C	2.92	0.48
1:D:73:VAL:HG13	1:D:74:GLN:N	2.27	0.48
1:D:122:LYS:CB	1:D:304:TYR:CD2	2.95	0.48
1:D:320:ASN:HD22	1:D:322:ARG:HG3	1.78	0.48
1:D:320:ASN:HD21	1:D:323:ARG:HB2	1.79	0.48
1:D:323:ARG:HG2	1:D:327:ILE:CD1	2.44	0.48
1:D:385:LEU:CD1	1:D:466:TYR:CB	2.92	0.48
1:D:511:SER:HB3	1:D:645:UNK:C	2.44	0.48
1:D:999:UNK:O	1:D:1020:UNK:CB	2.62	0.48
1:E:12:TYR:CZ	1:E:15:ILE:CD1	2.93	0.48
1:E:301:LEU:HG	1:E:305:LEU:HD12	1.96	0.48
1:E:369:PHE:HE1	1:E:427:LEU:CD1	2.21	0.48
1:E:390:TRP:CZ2	1:E:402:VAL:CG1	2.96	0.48
1:E:473:HIS:HA	1:E:527:TYR:CE1	2.49	0.48
1:F:179:PHE:CD1	1:F:240:CYS:SG	3.07	0.48
1:F:320:ASN:ND2	1:F:322:ARG:HG3	2.29	0.48
1:F:322:ARG:NE	1:F:349:LEU:HG	2.29	0.48
1:F:428:GLU:HG2	1:F:432:LYS:HZ3	1.78	0.48
1:F:449:ILE:HD11	1:F:467:PHE:HE2	1.79	0.48
1:F:511:SER:HB3	1:F:645:UNK:C	2.44	0.48
1:G:73:VAL:HG13	1:G:74:GLN:N	2.27	0.48
1:G:322:ARG:HH21	1:G:349:LEU:HD11	1.79	0.48
1:G:431:VAL:HG23	1:G:432:LYS:N	2.27	0.48
1:G:449:ILE:HD11	1:G:467:PHE:HE2	1.79	0.48
1:G:543:LEU:HD23	1:G:543:LEU:C	2.34	0.48
1:G:573:ILE:HG22	1:G:574:PHE:N	2.28	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:50:MET:HG3	1:H:51:SER:N	2.28	0.48
1:H:88:LEU:H	1:H:88:LEU:CD2	2.26	0.48
1:H:141:LEU:HD13	1:H:145:LYS:CG	2.43	0.48
1:H:179:PHE:HD1	1:H:242:LEU:HD21	1.79	0.48
1:H:196:LEU:CD2	1:H:224:ILE:HG21	2.39	0.48
1:H:272:THR:HG23	1:H:282:HIS:NE2	2.27	0.48
1:H:320:ASN:HD21	1:H:323:ARG:HB2	1.79	0.48
1:H:385:LEU:CD1	1:H:466:TYR:CB	2.92	0.48
1:H:1074:UNK:CB	1:H:1094:UNK:C	2.92	0.48
1:I:12:TYR:CE2	1:I:15:ILE:HD12	2.47	0.48
1:I:228:LEU:HD23	1:I:228:LEU:O	2.13	0.48
1:I:312:LEU:HB2	1:I:313:PRO:HD3	1.94	0.48
1:I:313:PRO:HA	1:I:316:VAL:CG1	2.43	0.48
1:I:473:HIS:HA	1:I:527:TYR:CE1	2.49	0.48
1:J:2:ASP:H	1:J:70:GLU:HG3	1.77	0.48
1:J:122:LYS:CB	1:J:304:TYR:CD2	2.95	0.48
1:J:256:PHE:CD2	1:J:262:ILE:HB	2.47	0.48
1:J:313:PRO:HA	1:J:316:VAL:CG1	2.43	0.48
1:J:320:ASN:HD21	1:J:323:ARG:HB2	1.79	0.48
1:J:323:ARG:HG2	1:J:327:ILE:CD1	2.44	0.48
1:J:385:LEU:CD1	1:J:466:TYR:CB	2.92	0.48
1:J:391:PHE:HD1	1:J:398:VAL:HG11	1.72	0.48
1:J:431:VAL:HG23	1:J:432:LYS:N	2.27	0.48
1:J:511:SER:HB3	1:J:645:UNK:C	2.44	0.48
1:J:514:ILE:N	1:J:514:ILE:HD13	2.28	0.48
1:J:546:LEU:CB	1:J:547:PRO:HD3	2.43	0.48
1:K:20:GLU:HB3	1:K:24:VAL:HA	1.95	0.48
1:K:322:ARG:NE	1:K:349:LEU:HG	2.28	0.48
1:K:323:ARG:O	1:K:327:ILE:HG13	2.14	0.48
1:K:495:ARG:NE	1:K:561:LEU:HD12	2.21	0.48
1:K:573:ILE:HG22	1:K:574:PHE:N	2.28	0.48
1:K:1074:UNK:CB	1:K:1094:UNK:C	2.92	0.48
1:L:256:PHE:CD2	1:L:262:ILE:HG13	2.46	0.48
1:L:302:LEU:HD22	1:L:307:CYS:H	1.77	0.48
1:L:359:VAL:HG12	1:L:360:LEU:HD12	1.92	0.48
1:M:127:ARG:CD	1:M:292:LEU:HD11	2.43	0.48
1:M:256:PHE:CE2	1:M:262:ILE:CB	2.93	0.48
1:M:276:SER:CB	1:M:282:HIS:HB2	2.43	0.48
1:M:288:HIS:CG	1:M:289:SER:H	2.32	0.48
1:M:301:LEU:CD2	1:M:324:LEU:HD21	2.39	0.48
1:M:312:LEU:HB2	1:M:313:PRO:HD3	1.94	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:559:THR:HA	1:M:1036:UNK:C	2.41	0.48
1:N:50:MET:HG3	1:N:51:SER:N	2.28	0.48
1:N:68:LYS:HD2	1:N:72:MET:SD	2.53	0.48
1:N:88:LEU:H	1:N:88:LEU:CD2	2.26	0.48
1:N:179:PHE:HD1	1:N:242:LEU:HD21	1.79	0.48
1:N:235:LYS:CB	1:N:236:PRO:HD2	2.37	0.48
1:N:320:ASN:HD22	1:N:322:ARG:HG3	1.78	0.48
1:N:320:ASN:HD21	1:N:323:ARG:HB2	1.79	0.48
1:N:361:GLU:CG	1:N:365:TYR:CD1	2.95	0.48
1:N:1074:UNK:CB	1:N:1094:UNK:C	2.92	0.48
1:O:37:LYS:CD	1:O:37:LYS:C	2.81	0.48
1:O:313:PRO:HA	1:O:316:VAL:CG1	2.43	0.48
1:O:511:SER:HB3	1:O:645:UNK:C	2.44	0.48
1:O:543:LEU:HD23	1:O:543:LEU:C	2.34	0.48
1:P:120:PHE:HD1	1:P:121:ALA:N	2.10	0.48
1:P:320:ASN:ND2	1:P:322:ARG:HG3	2.29	0.48
1:P:322:ARG:NE	1:P:349:LEU:HG	2.29	0.48
1:P:323:ARG:O	1:P:327:ILE:HG13	2.14	0.48
1:P:357:LEU:HD13	1:P:357:LEU:C	2.33	0.48
1:P:449:ILE:HD11	1:P:467:PHE:HE2	1.79	0.48
1:A:73:VAL:HG13	1:A:74:GLN:N	2.27	0.48
1:A:353:ILE:HG23	1:A:354:GLU:N	2.28	0.48
1:A:1074:UNK:CB	1:A:1094:UNK:C	2.92	0.48
1:B:113:LEU:CD2	1:B:165:CYS:HB3	2.39	0.48
1:B:443:ILE:HG23	1:B:444:VAL:N	2.28	0.48
1:C:51:SER:OG	1:C:60:ARG:HG3	2.13	0.48
1:C:203:ILE:HG23	1:C:231:LEU:CD2	2.36	0.48
1:C:391:PHE:HD1	1:C:398:VAL:HG11	1.72	0.48
1:C:999:UNK:O	1:C:1020:UNK:CB	2.62	0.48
1:D:179:PHE:HZ	1:D:237:TYR:CE1	2.32	0.48
1:D:244:LEU:HD22	1:D:262:ILE:CG2	2.43	0.48
1:D:514:ILE:HD13	1:D:514:ILE:N	2.28	0.48
1:D:546:LEU:CB	1:D:547:PRO:HD3	2.43	0.48
1:E:313:PRO:HA	1:E:316:VAL:CG1	2.43	0.48
1:F:179:PHE:CE1	1:F:240:CYS:SG	3.07	0.48
1:F:228:LEU:HD23	1:F:228:LEU:O	2.13	0.48
1:F:320:ASN:HD21	1:F:323:ARG:HB2	1.79	0.48
1:F:323:ARG:O	1:F:327:ILE:HG13	2.14	0.48
1:F:473:HIS:HA	1:F:527:TYR:CE1	2.49	0.48
1:G:32:VAL:O	1:G:36:PRO:HD2	2.03	0.48
1:G:37:LYS:CD	1:G:37:LYS:C	2.81	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:106:TYR:CE1	1:G:169:LYS:CB	2.91	0.48
1:G:141:LEU:HD13	1:G:145:LYS:CG	2.43	0.48
1:G:179:PHE:CD1	1:G:240:CYS:SG	3.07	0.48
1:G:323:ARG:O	1:G:327:ILE:HG13	2.14	0.48
1:G:323:ARG:HG2	1:G:327:ILE:CD1	2.44	0.48
1:G:353:ILE:HG23	1:G:354:GLU:N	2.28	0.48
1:G:484:MET:SD	1:G:535:TYR:CE1	3.07	0.48
1:G:511:SER:HB3	1:G:645:UNK:C	2.44	0.48
1:H:37:LYS:CD	1:H:37:LYS:C	2.81	0.48
1:H:179:PHE:CD1	1:H:240:CYS:SG	3.07	0.48
1:H:179:PHE:HZ	1:H:237:TYR:CE1	2.32	0.48
1:H:179:PHE:CE1	1:H:240:CYS:SG	3.07	0.48
1:H:244:LEU:HD22	1:H:262:ILE:CG2	2.43	0.48
1:H:301:LEU:HG	1:H:305:LEU:HD12	1.96	0.48
1:I:123:TYR:CG	1:I:303:LYS:CB	2.95	0.48
1:I:511:SER:HB3	1:I:645:UNK:C	2.44	0.48
1:J:179:PHE:HZ	1:J:237:TYR:CE1	2.32	0.48
1:J:302:LEU:HD22	1:J:307:CYS:H	1.77	0.48
1:J:322:ARG:HH21	1:J:349:LEU:HD11	1.79	0.48
1:J:377:PRO:HA	1:J:422:ILE:HD11	1.95	0.48
1:K:320:ASN:ND2	1:K:322:ARG:HG3	2.29	0.48
1:K:357:LEU:CD1	1:K:366:ARG:HH11	2.25	0.48
1:K:476:LYS:CB	1:K:527:TYR:CD1	2.93	0.48
1:K:492:LEU:HB2	1:K:576:GLU:HB3	1.95	0.48
1:K:999:UNK:O	1:K:1020:UNK:CB	2.62	0.48
1:L:384:ILE:CG2	1:L:463:LEU:HD22	2.39	0.48
1:L:388:LEU:CD1	1:L:449:ILE:HG13	2.37	0.48
1:L:466:TYR:CE2	1:L:470:HIS:HD2	2.30	0.48
1:L:514:ILE:HD13	1:L:514:ILE:N	2.28	0.48
1:M:34:ASP:OD1	1:M:34:ASP:N	2.45	0.48
1:M:37:LYS:CD	1:M:37:LYS:C	2.81	0.48
1:M:73:VAL:HG13	1:M:74:GLN:N	2.28	0.48
1:M:323:ARG:HG2	1:M:327:ILE:CD1	2.44	0.48
1:M:376:PRO:HG2	1:M:470:HIS:CD2	2.49	0.48
1:N:2:ASP:H	1:N:70:GLU:HG3	1.77	0.48
1:N:37:LYS:CD	1:N:37:LYS:C	2.81	0.48
1:N:141:LEU:HD13	1:N:145:LYS:CG	2.43	0.48
1:N:179:PHE:CD1	1:N:240:CYS:SG	3.07	0.48
1:N:179:PHE:HZ	1:N:237:TYR:CE1	2.32	0.48
1:N:179:PHE:CE1	1:N:240:CYS:SG	3.07	0.48
1:N:264:LEU:HD12	1:N:264:LEU:N	2.28	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:301:LEU:HG	1:N:305:LEU:HD12	1.96	0.48
1:N:999:UNK:O	1:N:1020:UNK:CB	2.62	0.48
1:O:73:VAL:HG13	1:O:74:GLN:N	2.28	0.48
1:O:75:LYS:HB2	1:O:75:LYS:NZ	2.28	0.48
1:O:141:LEU:HD13	1:O:145:LYS:CG	2.43	0.48
1:O:179:PHE:CD1	1:O:240:CYS:SG	3.07	0.48
1:O:179:PHE:HD1	1:O:242:LEU:HD21	1.79	0.48
1:O:192:VAL:HG11	1:O:251:LYS:CD	2.36	0.48
1:O:322:ARG:HH21	1:O:349:LEU:HD11	1.79	0.48
1:O:323:ARG:O	1:O:327:ILE:HG13	2.14	0.48
1:O:449:ILE:HD11	1:O:467:PHE:HE2	1.79	0.48
1:O:484:MET:SD	1:O:535:TYR:CE1	3.07	0.48
1:O:519:GLN:HG3	1:O:523:PHE:CE2	2.47	0.48
1:P:8:HIS:HB3	1:P:95:GLU:CG	2.41	0.48
1:P:55:VAL:CG1	1:P:132:LEU:HD11	2.39	0.48
1:P:228:LEU:HD23	1:P:228:LEU:O	2.13	0.48
1:P:320:ASN:HD21	1:P:323:ARG:HB2	1.79	0.48
1:P:479:GLU:CB	1:P:481:PRO:HD2	2.27	0.48
1:P:492:LEU:HB2	1:P:576:GLU:HB3	1.95	0.48
1:A:35:MET:HE1	1:A:61:LEU:HD22	1.95	0.48
1:A:37:LYS:HZ2	1:A:39:ILE:HG12	1.78	0.48
1:A:244:LEU:HD22	1:A:262:ILE:CG2	2.43	0.48
1:A:381:ILE:C	1:A:419:THR:HB	2.34	0.48
1:A:562:LEU:HD12	1:A:577:ALA:CA	2.44	0.48
1:B:37:LYS:CD	1:B:37:LYS:C	2.81	0.48
1:B:51:SER:OG	1:B:60:ARG:HG3	2.13	0.48
1:B:179:PHE:HD1	1:B:242:LEU:CD2	2.27	0.48
1:B:302:LEU:HD22	1:B:307:CYS:H	1.77	0.48
1:B:353:ILE:CD1	1:B:426:TYR:HE2	2.13	0.48
1:B:573:ILE:HG22	1:B:574:PHE:N	2.28	0.48
1:C:20:GLU:HB3	1:C:24:VAL:HA	1.95	0.48
1:C:244:LEU:HD22	1:C:262:ILE:CG2	2.43	0.48
1:C:256:PHE:CD2	1:C:262:ILE:HB	2.48	0.48
1:C:320:ASN:ND2	1:C:322:ARG:HG3	2.29	0.48
1:C:369:PHE:HE1	1:C:427:LEU:CD1	2.21	0.48
1:C:484:MET:SD	1:C:535:TYR:CE1	3.07	0.48
1:C:489:MET:O	1:C:573:ILE:HG13	2.14	0.48
1:C:536:GLU:HA	1:C:539:VAL:HG12	1.95	0.48
1:C:546:LEU:CB	1:C:547:PRO:HD3	2.43	0.48
1:D:2:ASP:H	1:D:70:GLU:HG3	1.77	0.48
1:D:40:LEU:CD2	1:D:48:ILE:HD13	2.34	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:105:MET:CE	1:D:106:TYR:CE1	2.97	0.48
1:D:179:PHE:CE1	1:D:240:CYS:SG	3.07	0.48
1:D:216:ASN:CG	1:D:219:LEU:HD23	2.33	0.48
1:D:288:HIS:CG	1:D:289:SER:H	2.32	0.48
1:D:322:ARG:HH21	1:D:349:LEU:HD11	1.79	0.48
1:D:369:PHE:HE1	1:D:427:LEU:CD1	2.21	0.48
1:D:369:PHE:HE1	1:D:372:LEU:CD1	2.27	0.48
1:D:377:PRO:HA	1:D:422:ILE:HD11	1.95	0.48
1:D:381:ILE:C	1:D:419:THR:HB	2.34	0.48
1:E:179:PHE:CE1	1:E:240:CYS:SG	3.07	0.48
1:E:228:LEU:HD23	1:E:228:LEU:O	2.13	0.48
1:E:322:ARG:HH21	1:E:349:LEU:HD11	1.79	0.48
1:E:388:LEU:CD1	1:E:449:ILE:HG13	2.37	0.48
1:E:511:SER:HB3	1:E:645:UNK:C	2.44	0.48
1:F:479:GLU:CB	1:F:481:PRO:HD2	2.27	0.48
1:F:484:MET:SD	1:F:535:TYR:CE1	3.07	0.48
1:F:492:LEU:HB2	1:F:576:GLU:HB3	1.95	0.48
1:G:51:SER:OG	1:G:60:ARG:HG3	2.13	0.48
1:G:75:LYS:HB2	1:G:75:LYS:NZ	2.28	0.48
1:G:179:PHE:HD1	1:G:242:LEU:HD21	1.79	0.48
1:G:192:VAL:HG11	1:G:251:LYS:CD	2.36	0.48
1:G:320:ASN:ND2	1:G:322:ARG:HG3	2.29	0.48
1:G:365:TYR:CD1	1:G:365:TYR:N	2.82	0.48
1:G:476:LYS:CB	1:G:527:TYR:CD1	2.93	0.48
1:H:105:MET:CE	1:H:106:TYR:CE1	2.97	0.48
1:H:228:LEU:HD23	1:H:228:LEU:C	2.34	0.48
1:H:361:GLU:CG	1:H:365:TYR:CD1	2.95	0.48
1:H:398:VAL:HG23	1:H:399:MET:N	2.28	0.48
1:H:473:HIS:HA	1:H:527:TYR:CE1	2.49	0.48
1:H:999:UNK:O	1:H:1020:UNK:CB	2.62	0.48
1:I:69:GLN:HE21	1:I:72:MET:H	1.62	0.48
1:I:353:ILE:HG23	1:I:430:LYS:HD2	1.91	0.48
1:I:357:LEU:HG	1:I:366:ARG:HD3	1.95	0.48
1:I:369:PHE:HE1	1:I:427:LEU:CD1	2.21	0.48
1:I:449:ILE:HD11	1:I:467:PHE:HE2	1.79	0.48
1:J:105:MET:CE	1:J:106:TYR:CE1	2.97	0.48
1:J:244:LEU:HD22	1:J:262:ILE:CG2	2.43	0.48
1:J:369:PHE:HE1	1:J:372:LEU:CD1	2.27	0.48
1:J:1068:UNK:HA	1:J:1072:UNK:CA	2.44	0.48
1:K:203:ILE:HG23	1:K:231:LEU:CD2	2.36	0.48
1:K:228:LEU:HD23	1:K:228:LEU:C	2.34	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:244:LEU:HD22	1:K:262:ILE:CG2	2.43	0.48
1:K:256:PHE:CD2	1:K:262:ILE:HB	2.48	0.48
1:K:376:PRO:HG2	1:K:470:HIS:CD2	2.49	0.48
1:L:51:SER:OG	1:L:60:ARG:HG3	2.13	0.48
1:L:179:PHE:HD1	1:L:242:LEU:CD2	2.27	0.48
1:L:369:PHE:HE1	1:L:427:LEU:CD1	2.21	0.48
1:L:385:LEU:CD1	1:L:466:TYR:CB	2.92	0.48
1:L:492:LEU:HB2	1:L:576:GLU:HB3	1.95	0.48
1:M:20:GLU:HB3	1:M:24:VAL:HA	1.95	0.48
1:M:320:ASN:HD22	1:M:322:ARG:HG3	1.78	0.48
1:M:353:ILE:HG23	1:M:354:GLU:N	2.28	0.48
1:M:1074:UNK:CB	1:M:1094:UNK:C	2.92	0.48
1:N:105:MET:CE	1:N:106:TYR:CE1	2.97	0.48
1:N:221:ILE:HG12	1:N:222:HIS:N	2.28	0.48
1:N:228:LEU:HD23	1:N:228:LEU:C	2.34	0.48
1:N:381:ILE:C	1:N:419:THR:HB	2.34	0.48
1:N:545:PHE:CE1	1:N:567:MET:SD	3.07	0.48
1:O:32:VAL:O	1:O:36:PRO:HD2	2.03	0.48
1:O:51:SER:OG	1:O:60:ARG:HG3	2.13	0.48
1:O:152:VAL:CG2	1:O:410:LEU:HD11	2.40	0.48
1:O:320:ASN:ND2	1:O:322:ARG:HG3	2.29	0.48
1:O:365:TYR:CD1	1:O:365:TYR:N	2.82	0.48
1:P:179:PHE:CE1	1:P:240:CYS:SG	3.07	0.48
1:P:377:PRO:HA	1:P:422:ILE:HD11	1.95	0.48
1:P:473:HIS:HA	1:P:527:TYR:CE1	2.49	0.48
1:A:301:LEU:CD2	1:A:324:LEU:HD21	2.39	0.48
1:A:320:ASN:HD22	1:A:322:ARG:HG3	1.79	0.48
1:A:369:PHE:HE1	1:A:372:LEU:CD1	2.27	0.48
1:A:369:PHE:HE1	1:A:427:LEU:CD1	2.21	0.48
1:A:431:VAL:HG23	1:A:432:LYS:N	2.27	0.48
1:A:484:MET:SD	1:A:535:TYR:CE1	3.07	0.48
1:B:34:ASP:N	1:B:34:ASP:OD1	2.45	0.48
1:B:312:LEU:HB2	1:B:313:PRO:HD3	1.95	0.48
1:B:322:ARG:HH21	1:B:349:LEU:HD11	1.79	0.48
1:B:357:LEU:HD13	1:B:357:LEU:C	2.33	0.48
1:B:385:LEU:CD1	1:B:466:TYR:CB	2.92	0.48
1:B:390:TRP:CD2	1:B:402:VAL:CG1	2.96	0.48
1:B:514:ILE:N	1:B:514:ILE:HD13	2.28	0.48
1:C:34:ASP:OD1	1:C:34:ASP:N	2.45	0.48
1:C:73:VAL:HG13	1:C:74:GLN:N	2.27	0.48
1:C:228:LEU:HD23	1:C:228:LEU:C	2.34	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:THR:HG23	1:C:282:HIS:NE2	2.27	0.48
1:C:365:TYR:CZ	1:C:401:VAL:HG13	2.49	0.48
1:C:376:PRO:HG2	1:C:470:HIS:CD2	2.49	0.48
1:C:382:PRO:HB3	1:C:419:THR:HG22	1.95	0.48
1:D:235:LYS:CB	1:D:236:PRO:HD2	2.37	0.48
1:D:323:ARG:O	1:D:327:ILE:HG13	2.14	0.48
1:D:390:TRP:CD2	1:D:402:VAL:CG1	2.96	0.48
1:D:428:GLU:HG2	1:D:432:LYS:HZ3	1.78	0.48
1:D:450:PRO:HG2	1:D:471:ILE:HD11	1.94	0.48
1:D:545:PHE:CE1	1:D:567:MET:SD	3.07	0.48
1:D:573:ILE:HG22	1:D:574:PHE:N	2.28	0.48
1:D:1068:UNK:HA	1:D:1072:UNK:CA	2.44	0.48
1:E:69:GLN:HE21	1:E:72:MET:H	1.62	0.48
1:E:123:TYR:CG	1:E:303:LYS:CB	2.95	0.48
1:E:144:ALA:HA	1:E:261:LYS:CB	2.39	0.48
1:E:179:PHE:CD1	1:E:240:CYS:SG	3.07	0.48
1:E:357:LEU:HG	1:E:366:ARG:HD3	1.95	0.48
1:E:365:TYR:CD1	1:E:365:TYR:N	2.82	0.48
1:E:449:ILE:HD11	1:E:467:PHE:HE2	1.79	0.48
1:E:488:ARG:CA	1:E:491:PHE:H	2.18	0.48
1:E:489:MET:O	1:E:573:ILE:HG13	2.14	0.48
1:E:1074:UNK:CB	1:E:1094:UNK:C	2.92	0.48
1:F:272:THR:HG23	1:F:282:HIS:NE2	2.27	0.48
1:F:288:HIS:CG	1:F:289:SER:H	2.32	0.48
1:F:298:LYS:HZ1	1:F:316:VAL:HA	1.79	0.48
1:F:377:PRO:HA	1:F:422:ILE:HD11	1.95	0.48
1:F:381:ILE:C	1:F:419:THR:HB	2.34	0.48
1:F:514:ILE:N	1:F:514:ILE:HD13	2.28	0.48
1:F:545:PHE:CE1	1:F:567:MET:SD	3.07	0.48
1:G:149:ILE:HG22	1:G:265:THR:HA	1.95	0.48
1:G:365:TYR:CZ	1:G:401:VAL:HG13	2.49	0.48
1:H:2:ASP:H	1:H:70:GLU:HG3	1.77	0.48
1:H:125:VAL:CG2	1:H:297:VAL:HA	2.44	0.48
1:H:221:ILE:HG12	1:H:222:HIS:N	2.28	0.48
1:H:228:LEU:HD23	1:H:228:LEU:O	2.13	0.48
1:H:264:LEU:HD12	1:H:264:LEU:N	2.28	0.48
1:H:320:ASN:ND2	1:H:322:ARG:HG3	2.29	0.48
1:H:381:ILE:C	1:H:419:THR:HB	2.34	0.48
1:H:545:PHE:CE1	1:H:567:MET:SD	3.07	0.48
1:H:1068:UNK:HA	1:H:1072:UNK:CA	2.44	0.48
1:I:179:PHE:CE1	1:I:240:CYS:SG	3.07	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:322:ARG:HH21	1:I:349:LEU:HD11	1.79	0.48
1:I:365:TYR:CD1	1:I:365:TYR:N	2.82	0.48
1:I:369:PHE:HE1	1:I:372:LEU:CD1	2.27	0.48
1:I:489:MET:O	1:I:573:ILE:HG13	2.14	0.48
1:I:1068:UNK:HA	1:I:1072:UNK:CA	2.44	0.48
1:I:1074:UNK:CB	1:I:1094:UNK:C	2.92	0.48
1:J:149:ILE:HG21	1:J:149:ILE:HD13	1.40	0.48
1:J:179:PHE:HD1	1:J:242:LEU:CD2	2.27	0.48
1:J:216:ASN:CG	1:J:219:LEU:HD23	2.33	0.48
1:J:288:HIS:CG	1:J:289:SER:H	2.32	0.48
1:J:323:ARG:O	1:J:327:ILE:HG13	2.14	0.48
1:J:357:LEU:HD13	1:J:357:LEU:C	2.33	0.48
1:J:381:ILE:C	1:J:419:THR:HB	2.34	0.48
1:J:390:TRP:CD2	1:J:402:VAL:CG1	2.96	0.48
1:J:545:PHE:CE1	1:J:567:MET:SD	3.07	0.48
1:J:573:ILE:HG22	1:J:574:PHE:N	2.28	0.48
1:K:28:ASP:OD1	1:K:35:MET:HE1	2.13	0.48
1:K:51:SER:OG	1:K:60:ARG:HG3	2.13	0.48
1:K:110:ARG:CG	1:K:114:TYR:CE2	2.95	0.48
1:K:272:THR:HG23	1:K:282:HIS:NE2	2.27	0.48
1:K:357:LEU:HD13	1:K:357:LEU:C	2.33	0.48
1:K:365:TYR:CZ	1:K:401:VAL:HG13	2.49	0.48
1:K:484:MET:SD	1:K:535:TYR:CE1	3.07	0.48
1:K:546:LEU:CB	1:K:547:PRO:HD3	2.43	0.48
1:L:37:LYS:CD	1:L:37:LYS:C	2.81	0.48
1:L:179:PHE:CE1	1:L:240:CYS:SG	3.07	0.48
1:L:322:ARG:HH21	1:L:349:LEU:HD11	1.79	0.48
1:L:353:ILE:CD1	1:L:426:TYR:HE2	2.13	0.48
1:L:357:LEU:HD13	1:L:357:LEU:C	2.33	0.48
1:L:390:TRP:CD2	1:L:402:VAL:CG1	2.96	0.48
1:L:443:ILE:HG23	1:L:444:VAL:N	2.28	0.48
1:L:484:MET:SD	1:L:535:TYR:CE1	3.07	0.48
1:L:573:ILE:HG22	1:L:574:PHE:N	2.28	0.48
1:M:244:LEU:HD22	1:M:262:ILE:CG2	2.43	0.48
1:M:381:ILE:HD13	1:M:381:ILE:HG21	1.60	0.48
1:M:381:ILE:C	1:M:419:THR:HB	2.34	0.48
1:M:511:SER:HB3	1:M:645:UNK:C	2.44	0.48
1:M:543:LEU:HD23	1:M:543:LEU:C	2.34	0.48
1:M:562:LEU:HD12	1:M:577:ALA:CA	2.44	0.48
1:N:125:VAL:CG2	1:N:297:VAL:HA	2.44	0.48
1:N:196:LEU:CD2	1:N:224:ILE:HG21	2.39	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:244:LEU:HD22	1:N:262:ILE:CG2	2.43	0.48
1:N:473:HIS:HA	1:N:527:TYR:CE1	2.49	0.48
1:N:543:LEU:HD23	1:N:543:LEU:C	2.34	0.48
1:O:106:TYR:CE1	1:O:169:LYS:CB	2.91	0.48
1:O:123:TYR:CD1	1:O:304:TYR:CA	2.89	0.48
1:O:204:ASP:O	1:O:208:THR:HG21	2.14	0.48
1:O:244:LEU:HD22	1:O:262:ILE:CG2	2.43	0.48
1:O:323:ARG:HG2	1:O:327:ILE:CD1	2.44	0.48
1:O:353:ILE:HG23	1:O:354:GLU:N	2.28	0.48
1:O:365:TYR:CZ	1:O:401:VAL:HG13	2.49	0.48
1:P:323:ARG:HG2	1:P:327:ILE:CD1	2.44	0.48
1:P:353:ILE:HG23	1:P:354:GLU:N	2.28	0.48
1:P:412:GLU:OE2	1:P:422:ILE:HA	2.14	0.48
1:P:484:MET:SD	1:P:535:TYR:CE1	3.07	0.48
1:P:545:PHE:CE1	1:P:567:MET:SD	3.07	0.48
1:A:12:TYR:CE2	1:A:15:ILE:HD12	2.47	0.48
1:A:105:MET:CE	1:A:106:TYR:CE1	2.97	0.48
1:A:256:PHE:CE2	1:A:262:ILE:CB	2.93	0.48
1:A:511:SER:HB3	1:A:645:UNK:C	2.44	0.48
1:A:536:GLU:HA	1:A:539:VAL:HG12	1.95	0.48
1:A:543:LEU:HD23	1:A:543:LEU:C	2.34	0.48
1:B:105:MET:CE	1:B:106:TYR:CE1	2.97	0.48
1:B:179:PHE:CD1	1:B:240:CYS:SG	3.07	0.48
1:B:204:ASP:O	1:B:208:THR:HG21	2.14	0.48
1:B:369:PHE:HE1	1:B:372:LEU:CD1	2.27	0.48
1:B:398:VAL:HG23	1:B:399:MET:N	2.28	0.48
1:B:484:MET:SD	1:B:535:TYR:CE1	3.07	0.48
1:B:492:LEU:HB2	1:B:576:GLU:HB3	1.95	0.48
1:C:105:MET:CE	1:C:106:TYR:CE1	2.97	0.48
1:C:125:VAL:CG2	1:C:297:VAL:HA	2.44	0.48
1:C:264:LEU:HD12	1:C:264:LEU:N	2.28	0.48
1:C:365:TYR:CD1	1:C:365:TYR:N	2.82	0.48
1:C:365:TYR:CE2	1:C:401:VAL:HA	2.49	0.48
1:C:369:PHE:HE1	1:C:372:LEU:CD1	2.27	0.48
1:C:377:PRO:HA	1:C:422:ILE:HD11	1.95	0.48
1:C:495:ARG:NE	1:C:561:LEU:HD12	2.21	0.48
1:D:7:GLU:HG2	1:D:107:ILE:HD13	1.94	0.48
1:D:179:PHE:HD1	1:D:242:LEU:CD2	2.27	0.48
1:D:322:ARG:NE	1:D:349:LEU:HG	2.29	0.48
1:D:357:LEU:HD13	1:D:357:LEU:C	2.33	0.48
1:D:523:PHE:HD1	1:D:527:TYR:HE2	1.59	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:51:SER:OG	1:E:60:ARG:HG3	2.13	0.48
1:E:244:LEU:HD22	1:E:262:ILE:CG2	2.43	0.48
1:E:320:ASN:ND2	1:E:322:ARG:HG3	2.29	0.48
1:E:353:ILE:HG23	1:E:430:LYS:HD2	1.91	0.48
1:E:369:PHE:HE1	1:E:372:LEU:CD1	2.27	0.48
1:E:573:ILE:HG22	1:E:574:PHE:N	2.28	0.48
1:E:1068:UNK:HA	1:E:1072:UNK:CA	2.44	0.48
1:F:12:TYR:CZ	1:F:15:ILE:CD1	2.93	0.48
1:F:141:LEU:HD23	1:F:143:PRO:HD2	1.94	0.48
1:F:144:ALA:HA	1:F:261:LYS:CB	2.39	0.48
1:F:221:ILE:HG12	1:F:222:HIS:N	2.28	0.48
1:F:323:ARG:HG2	1:F:327:ILE:CD1	2.44	0.48
1:F:353:ILE:HG23	1:F:354:GLU:N	2.28	0.48
1:F:390:TRP:CZ2	1:F:402:VAL:CG1	2.96	0.48
1:F:412:GLU:OE2	1:F:422:ILE:HA	2.14	0.48
1:F:546:LEU:CB	1:F:547:PRO:HD3	2.43	0.48
1:F:999:UNK:O	1:F:1020:UNK:CB	2.62	0.48
1:G:2:ASP:H	1:G:70:GLU:HG3	1.77	0.48
1:G:105:MET:CE	1:G:106:TYR:CE1	2.97	0.48
1:G:123:TYR:CD1	1:G:304:TYR:CA	2.89	0.48
1:G:204:ASP:O	1:G:208:THR:HG21	2.14	0.48
1:G:244:LEU:HD22	1:G:262:ILE:CG2	2.43	0.48
1:G:412:GLU:OE2	1:G:422:ILE:HA	2.14	0.48
1:G:435:ASN:HD22	1:G:435:ASN:HA	1.43	0.48
1:G:443:ILE:CG1	1:G:478:ILE:HG22	2.41	0.48
1:G:519:GLN:HG3	1:G:523:PHE:CE2	2.47	0.48
1:G:545:PHE:CE1	1:G:567:MET:SD	3.07	0.48
1:G:999:UNK:O	1:G:1020:UNK:CB	2.62	0.48
1:H:123:TYR:HB3	1:H:303:LYS:HB3	1.95	0.48
1:H:288:HIS:CG	1:H:289:SER:H	2.32	0.48
1:H:511:SER:HB3	1:H:645:UNK:C	2.44	0.48
1:H:543:LEU:HD23	1:H:543:LEU:C	2.34	0.48
1:I:75:LYS:HB2	1:I:75:LYS:NZ	2.28	0.48
1:I:144:ALA:HA	1:I:261:LYS:CB	2.39	0.48
1:I:179:PHE:CD1	1:I:240:CYS:SG	3.07	0.48
1:I:320:ASN:ND2	1:I:322:ARG:HG3	2.29	0.48
1:I:357:LEU:HD13	1:I:357:LEU:C	2.33	0.48
1:I:562:LEU:HD12	1:I:577:ALA:CA	2.44	0.48
1:I:573:ILE:HG22	1:I:574:PHE:N	2.28	0.48
1:J:37:LYS:CD	1:J:37:LYS:C	2.81	0.48
1:J:39:ILE:O	1:J:72:MET:CE	2.62	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:125:VAL:CG2	1:J:297:VAL:HA	2.44	0.48
1:J:450:PRO:HG2	1:J:471:ILE:HD11	1.94	0.48
1:K:34:ASP:OD1	1:K:34:ASP:N	2.45	0.48
1:K:39:ILE:O	1:K:72:MET:CE	2.62	0.48
1:K:105:MET:CE	1:K:106:TYR:CE1	2.97	0.48
1:K:264:LEU:HD12	1:K:264:LEU:N	2.28	0.48
1:K:365:TYR:CE2	1:K:401:VAL:HA	2.49	0.48
1:K:369:PHE:HE1	1:K:427:LEU:CD1	2.21	0.48
1:K:377:PRO:HA	1:K:422:ILE:HD11	1.95	0.48
1:K:382:PRO:HB3	1:K:419:THR:HG22	1.95	0.48
1:K:489:MET:O	1:K:573:ILE:HG13	2.14	0.48
1:K:536:GLU:HA	1:K:539:VAL:HG12	1.95	0.48
1:L:34:ASP:OD1	1:L:34:ASP:N	2.45	0.48
1:L:105:MET:CE	1:L:106:TYR:CE1	2.97	0.48
1:L:113:LEU:CD2	1:L:165:CYS:HB3	2.39	0.48
1:L:179:PHE:CD1	1:L:240:CYS:SG	3.07	0.48
1:L:312:LEU:HB2	1:L:313:PRO:HD3	1.95	0.48
1:L:369:PHE:HE1	1:L:372:LEU:CD1	2.27	0.48
1:L:391:PHE:HD1	1:L:398:VAL:HG11	1.72	0.48
1:M:105:MET:CE	1:M:106:TYR:CE1	2.97	0.48
1:M:123:TYR:CE2	1:M:303:LYS:HD3	2.49	0.48
1:M:369:PHE:HE1	1:M:372:LEU:CD1	2.27	0.48
1:M:431:VAL:HG23	1:M:432:LYS:N	2.27	0.48
1:M:536:GLU:HA	1:M:539:VAL:HG12	1.95	0.48
1:M:573:ILE:HG22	1:M:574:PHE:N	2.28	0.48
1:N:123:TYR:HB3	1:N:303:LYS:HB3	1.95	0.48
1:N:288:HIS:CG	1:N:289:SER:H	2.32	0.48
1:N:320:ASN:ND2	1:N:322:ARG:HG3	2.29	0.48
1:N:398:VAL:HG23	1:N:399:MET:N	2.28	0.48
1:N:511:SER:HB3	1:N:645:UNK:C	2.44	0.48
1:N:1068:UNK:HA	1:N:1072:UNK:CA	2.44	0.48
1:O:123:TYR:CE2	1:O:303:LYS:HD3	2.49	0.48
1:O:179:PHE:HD1	1:O:242:LEU:CD2	2.27	0.48
1:O:412:GLU:OE2	1:O:422:ILE:HA	2.14	0.48
1:O:476:LYS:CB	1:O:527:TYR:CD1	2.93	0.48
1:O:545:PHE:CE1	1:O:567:MET:SD	3.07	0.48
1:P:20:GLU:HB3	1:P:24:VAL:HA	1.95	0.48
1:P:192:VAL:HG11	1:P:251:LYS:CD	2.36	0.48
1:P:272:THR:HG23	1:P:282:HIS:NE2	2.27	0.48
1:P:298:LYS:HZ1	1:P:316:VAL:HA	1.79	0.48
1:P:381:ILE:C	1:P:419:THR:HB	2.34	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:398:VAL:HG23	1:P:399:MET:N	2.28	0.48
1:P:546:LEU:CB	1:P:547:PRO:HD3	2.43	0.48
1:A:75:LYS:HB2	1:A:75:LYS:NZ	2.28	0.47
1:A:228:LEU:HD23	1:A:228:LEU:C	2.34	0.47
1:A:353:ILE:CD1	1:A:426:TYR:HE2	2.13	0.47
1:A:365:TYR:CD1	1:A:365:TYR:N	2.82	0.47
1:A:508:TRP:CD1	1:A:509:ASN:N	2.82	0.47
1:A:573:ILE:HG22	1:A:574:PHE:N	2.28	0.47
1:B:179:PHE:CE1	1:B:240:CYS:SG	3.07	0.47
1:B:192:VAL:HG11	1:B:251:LYS:CD	2.36	0.47
1:B:244:LEU:HD22	1:B:262:ILE:CG2	2.43	0.47
1:B:301:LEU:HG	1:B:305:LEU:HD12	1.96	0.47
1:B:313:PRO:HA	1:B:316:VAL:CG1	2.43	0.47
1:B:323:ARG:O	1:B:327:ILE:HG13	2.14	0.47
1:B:449:ILE:HD11	1:B:467:PHE:HE2	1.79	0.47
1:B:601:UNK:CB	1:B:1040:UNK:CB	2.92	0.47
1:C:39:ILE:O	1:C:72:MET:CE	2.62	0.47
1:C:110:ARG:CG	1:C:114:TYR:CE2	2.95	0.47
1:C:145:LYS:HE2	1:C:147:VAL:CG2	2.40	0.47
1:C:357:LEU:HD13	1:C:357:LEU:C	2.33	0.47
1:C:428:GLU:HG2	1:C:432:LYS:HZ3	1.78	0.47
1:C:443:ILE:HG23	1:C:444:VAL:N	2.28	0.47
1:D:37:LYS:CD	1:D:37:LYS:C	2.81	0.47
1:D:51:SER:HB3	1:D:56:SER:HB3	1.96	0.47
1:D:123:TYR:HB3	1:D:303:LYS:HB3	1.95	0.47
1:D:125:VAL:CG2	1:D:297:VAL:HA	2.44	0.47
1:D:257:ASN:OD1	1:D:279:THR:HG21	2.08	0.47
1:D:357:LEU:HD11	1:D:366:ARG:CD	2.27	0.47
1:D:382:PRO:HB3	1:D:419:THR:HG22	1.95	0.47
1:E:51:SER:HB3	1:E:56:SER:HB3	1.96	0.47
1:E:179:PHE:HD1	1:E:242:LEU:HD21	1.79	0.47
1:E:357:LEU:HD13	1:E:357:LEU:C	2.33	0.47
1:E:365:TYR:CE2	1:E:401:VAL:HA	2.49	0.47
1:E:385:LEU:CD1	1:E:466:TYR:CB	2.92	0.47
1:E:478:ILE:HG13	1:E:479:GLU:H	1.76	0.47
1:E:562:LEU:HD12	1:E:577:ALA:CA	2.44	0.47
1:E:578:HIS:C	1:E:581:VAL:HG13	2.35	0.47
1:F:55:VAL:CG1	1:F:132:LEU:HD11	2.39	0.47
1:F:301:LEU:HG	1:F:305:LEU:HD12	1.96	0.47
1:F:398:VAL:HG23	1:F:399:MET:N	2.28	0.47
1:F:562:LEU:HD12	1:F:577:ALA:CA	2.44	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:123:TYR:CE2	1:G:303:LYS:HD3	2.49	0.47
1:G:148:LEU:HD21	1:G:253:TRP:CH2	2.45	0.47
1:G:152:VAL:CG2	1:G:410:LEU:HD11	2.40	0.47
1:G:179:PHE:HD1	1:G:242:LEU:CD2	2.27	0.47
1:G:179:PHE:CE1	1:G:240:CYS:SG	3.07	0.47
1:G:276:SER:CB	1:G:282:HIS:HB2	2.43	0.47
1:G:320:ASN:HD22	1:G:322:ARG:HG3	1.79	0.47
1:G:369:PHE:HE1	1:G:372:LEU:CD1	2.27	0.47
1:G:381:ILE:HG21	1:G:381:ILE:HD13	1.60	0.47
1:G:385:LEU:CD1	1:G:466:TYR:CB	2.92	0.47
1:H:359:VAL:HG12	1:H:360:LEU:HD12	1.92	0.47
1:H:369:PHE:HE1	1:H:372:LEU:CD1	2.27	0.47
1:H:377:PRO:HA	1:H:422:ILE:HD11	1.95	0.47
1:H:484:MET:SD	1:H:535:TYR:CE1	3.07	0.47
1:H:578:HIS:C	1:H:581:VAL:HG13	2.35	0.47
1:I:51:SER:HB3	1:I:56:SER:HB3	1.96	0.47
1:I:51:SER:OG	1:I:60:ARG:HG3	2.13	0.47
1:I:179:PHE:HD1	1:I:242:LEU:HD21	1.79	0.47
1:I:244:LEU:HD22	1:I:262:ILE:CG2	2.43	0.47
1:I:320:ASN:HD21	1:I:323:ARG:HB2	1.79	0.47
1:I:322:ARG:NE	1:I:349:LEU:HG	2.28	0.47
1:I:365:TYR:CE2	1:I:401:VAL:HA	2.49	0.47
1:I:412:GLU:OE2	1:I:422:ILE:HA	2.14	0.47
1:I:578:HIS:C	1:I:581:VAL:HG13	2.35	0.47
1:J:51:SER:HB3	1:J:56:SER:HB3	1.96	0.47
1:J:123:TYR:HB3	1:J:303:LYS:HB3	1.95	0.47
1:J:179:PHE:CE1	1:J:240:CYS:SG	3.07	0.47
1:J:235:LYS:CB	1:J:236:PRO:HD2	2.37	0.47
1:J:301:LEU:HG	1:J:305:LEU:HD12	1.96	0.47
1:J:369:PHE:HE1	1:J:427:LEU:CD1	2.21	0.47
1:J:382:PRO:HB3	1:J:419:THR:HG22	1.95	0.47
1:J:523:PHE:HD1	1:J:527:TYR:HE2	1.59	0.47
1:K:37:LYS:C	1:K:37:LYS:CD	2.81	0.47
1:K:204:ASP:O	1:K:208:THR:HG21	2.14	0.47
1:K:365:TYR:CD1	1:K:365:TYR:N	2.82	0.47
1:K:369:PHE:HE1	1:K:372:LEU:CD1	2.27	0.47
1:K:391:PHE:HD1	1:K:398:VAL:HG11	1.72	0.47
1:K:443:ILE:HG23	1:K:444:VAL:N	2.28	0.47
1:L:204:ASP:O	1:L:208:THR:HG21	2.14	0.47
1:L:313:PRO:HA	1:L:316:VAL:CG1	2.43	0.47
1:L:601:UNK:CB	1:L:1040:UNK:CB	2.92	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:1074:UNK:CB	1:L:1094:UNK:C	2.92	0.47
1:M:12:TYR:CE2	1:M:15:ILE:HD12	2.47	0.47
1:M:179:PHE:CE1	1:M:240:CYS:SG	3.07	0.47
1:M:228:LEU:HD23	1:M:228:LEU:C	2.34	0.47
1:M:256:PHE:CD2	1:M:262:ILE:HB	2.48	0.47
1:M:353:ILE:CD1	1:M:426:TYR:HE2	2.13	0.47
1:M:361:GLU:CG	1:M:365:TYR:CD1	2.95	0.47
1:M:365:TYR:CD1	1:M:365:TYR:N	2.82	0.47
1:M:377:PRO:HA	1:M:422:ILE:HD11	1.95	0.47
1:M:484:MET:SD	1:M:535:TYR:CE1	3.07	0.47
1:N:179:PHE:HD1	1:N:242:LEU:CD2	2.27	0.47
1:N:228:LEU:HD23	1:N:228:LEU:O	2.13	0.47
1:N:276:SER:CB	1:N:282:HIS:HB2	2.43	0.47
1:N:313:PRO:HA	1:N:316:VAL:CG1	2.43	0.47
1:N:377:PRO:HA	1:N:422:ILE:HD11	1.95	0.47
1:N:428:GLU:HG2	1:N:432:LYS:HZ3	1.78	0.47
1:N:484:MET:SD	1:N:535:TYR:CE1	3.07	0.47
1:N:578:HIS:C	1:N:581:VAL:HG13	2.35	0.47
1:O:2:ASP:H	1:O:70:GLU:HG3	1.77	0.47
1:O:69:GLN:HE21	1:O:72:MET:H	1.62	0.47
1:O:105:MET:CE	1:O:106:TYR:CE1	2.97	0.47
1:O:149:ILE:HG22	1:O:265:THR:HA	1.95	0.47
1:O:276:SER:CB	1:O:282:HIS:HB2	2.43	0.47
1:O:320:ASN:HD22	1:O:322:ARG:HG3	1.78	0.47
1:O:357:LEU:HD11	1:O:366:ARG:CD	2.27	0.47
1:O:385:LEU:CD1	1:O:466:TYR:CB	2.92	0.47
1:O:473:HIS:HA	1:O:527:TYR:CE1	2.49	0.47
1:O:999:UNK:O	1:O:1020:UNK:CB	2.62	0.47
1:P:12:TYR:CZ	1:P:15:ILE:CD1	2.93	0.47
1:P:51:SER:OG	1:P:60:ARG:HG3	2.13	0.47
1:P:142:ARG:CB	1:P:143:PRO:HD3	2.39	0.47
1:P:288:HIS:CG	1:P:289:SER:H	2.32	0.47
1:P:322:ARG:HH21	1:P:349:LEU:HD11	1.79	0.47
1:P:514:ILE:N	1:P:514:ILE:HD13	2.28	0.47
1:P:562:LEU:HD12	1:P:577:ALA:CA	2.44	0.47
1:P:601:UNK:CB	1:P:1040:UNK:CB	2.92	0.47
1:P:999:UNK:O	1:P:1020:UNK:CB	2.62	0.47
1:A:123:TYR:CE2	1:A:303:LYS:HD3	2.49	0.47
1:A:161:ALA:HB3	1:A:180:TRP:HH2	1.78	0.47
1:A:179:PHE:CE1	1:A:240:CYS:SG	3.07	0.47
1:A:256:PHE:CD2	1:A:262:ILE:HB	2.48	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:377:PRO:HA	1:A:422:ILE:HD11	1.95	0.47
1:A:391:PHE:HD1	1:A:398:VAL:HG11	1.72	0.47
1:A:435:ASN:CG	1:A:439:LEU:HD11	2.35	0.47
1:A:443:ILE:HG23	1:A:444:VAL:N	2.28	0.47
1:A:1068:UNK:HA	1:A:1072:UNK:CA	2.44	0.47
1:B:161:ALA:HB3	1:B:180:TRP:HH2	1.78	0.47
1:B:545:PHE:CE1	1:B:567:MET:SD	3.07	0.47
1:C:37:LYS:C	1:C:37:LYS:CD	2.81	0.47
1:C:113:LEU:CD2	1:C:165:CYS:HB3	2.39	0.47
1:C:179:PHE:CE1	1:C:240:CYS:SG	3.07	0.47
1:C:204:ASP:O	1:C:208:THR:HG21	2.14	0.47
1:C:323:ARG:HG2	1:C:327:ILE:CD1	2.44	0.47
1:C:390:TRP:CD2	1:C:402:VAL:CG1	2.96	0.47
1:C:545:PHE:CE1	1:C:567:MET:SD	3.07	0.47
1:C:562:LEU:HD12	1:C:577:ALA:CA	2.44	0.47
1:C:1068:UNK:HA	1:C:1072:UNK:CA	2.44	0.47
1:D:39:ILE:O	1:D:72:MET:CE	2.62	0.47
1:D:359:VAL:HG12	1:D:360:LEU:HD12	1.92	0.47
1:E:39:ILE:O	1:E:72:MET:CE	2.62	0.47
1:E:75:LYS:HB2	1:E:75:LYS:NZ	2.28	0.47
1:E:105:MET:CE	1:E:106:TYR:CE1	2.97	0.47
1:E:125:VAL:CG2	1:E:297:VAL:HA	2.44	0.47
1:E:320:ASN:HD21	1:E:323:ARG:HB2	1.79	0.47
1:E:412:GLU:OE2	1:E:422:ILE:HA	2.14	0.47
1:E:601:UNK:CB	1:E:1040:UNK:CB	2.92	0.47
1:F:20:GLU:HB3	1:F:24:VAL:HA	1.95	0.47
1:F:51:SER:OG	1:F:60:ARG:HG3	2.13	0.47
1:F:536:GLU:HA	1:F:539:VAL:HG12	1.95	0.47
1:F:601:UNK:CB	1:F:1040:UNK:CB	2.92	0.47
1:G:12:TYR:CE2	1:G:15:ILE:HD12	2.47	0.47
1:G:39:ILE:O	1:G:72:MET:CE	2.62	0.47
1:G:51:SER:HB3	1:G:56:SER:HB3	1.96	0.47
1:G:473:HIS:HA	1:G:527:TYR:CE1	2.49	0.47
1:G:562:LEU:HD12	1:G:577:ALA:CA	2.44	0.47
1:G:1068:UNK:HA	1:G:1072:UNK:CA	2.44	0.47
1:H:39:ILE:O	1:H:72:MET:CE	2.62	0.47
1:H:179:PHE:HD1	1:H:242:LEU:CD2	2.27	0.47
1:H:203:ILE:HG23	1:H:231:LEU:CD2	2.36	0.47
1:H:313:PRO:HA	1:H:316:VAL:CG1	2.43	0.47
1:H:323:ARG:HG2	1:H:327:ILE:CD1	2.44	0.47
1:H:357:LEU:HG	1:H:366:ARG:HD3	1.94	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:514:ILE:HD13	1:H:514:ILE:N	2.28	0.47
1:H:562:LEU:HD12	1:H:577:ALA:CA	2.44	0.47
1:I:105:MET:CE	1:I:106:TYR:CE1	2.97	0.47
1:I:216:ASN:HD21	1:I:216:ASN:N	2.09	0.47
1:I:385:LEU:CD1	1:I:466:TYR:CB	2.92	0.47
1:I:536:GLU:HA	1:I:539:VAL:HG12	1.95	0.47
1:I:601:UNK:CB	1:I:1040:UNK:CB	2.92	0.47
1:J:322:ARG:NE	1:J:349:LEU:HG	2.29	0.47
1:J:353:ILE:HG23	1:J:354:GLU:N	2.28	0.47
1:J:412:GLU:OE2	1:J:422:ILE:HA	2.14	0.47
1:J:484:MET:SD	1:J:535:TYR:CE1	3.07	0.47
1:J:578:HIS:C	1:J:581:VAL:HG13	2.35	0.47
1:K:37:LYS:CD	1:K:39:ILE:HB	2.44	0.47
1:K:73:VAL:HG13	1:K:74:GLN:N	2.28	0.47
1:K:145:LYS:HE2	1:K:147:VAL:CG2	2.40	0.47
1:K:149:ILE:HG22	1:K:265:THR:HA	1.95	0.47
1:K:179:PHE:CE1	1:K:240:CYS:SG	3.07	0.47
1:K:381:ILE:C	1:K:419:THR:HB	2.34	0.47
1:K:390:TRP:CD2	1:K:402:VAL:CG1	2.96	0.47
1:K:508:TRP:HD1	1:K:509:ASN:H	1.56	0.47
1:K:545:PHE:CE1	1:K:567:MET:SD	3.07	0.47
1:K:562:LEU:HD12	1:K:577:ALA:CA	2.44	0.47
1:K:1068:UNK:HA	1:K:1072:UNK:CA	2.44	0.47
1:L:192:VAL:HG11	1:L:251:LYS:CD	2.36	0.47
1:L:244:LEU:HD22	1:L:262:ILE:CG2	2.43	0.47
1:L:301:LEU:HG	1:L:305:LEU:HD12	1.96	0.47
1:L:449:ILE:HD11	1:L:467:PHE:HE2	1.79	0.47
1:M:148:LEU:HD22	1:M:264:LEU:HD13	1.96	0.47
1:M:216:ASN:HD21	1:M:216:ASN:N	2.09	0.47
1:M:369:PHE:HE1	1:M:427:LEU:CD1	2.21	0.47
1:M:435:ASN:CG	1:M:439:LEU:HD11	2.35	0.47
1:M:1068:UNK:HA	1:M:1072:UNK:CA	2.44	0.47
1:N:322:ARG:NE	1:N:349:LEU:HG	2.29	0.47
1:N:369:PHE:HE1	1:N:372:LEU:CD1	2.27	0.47
1:N:514:ILE:N	1:N:514:ILE:HD13	2.28	0.47
1:N:562:LEU:HD12	1:N:577:ALA:CA	2.44	0.47
1:O:51:SER:HB3	1:O:56:SER:HB3	1.96	0.47
1:O:193:LEU:CD2	1:O:224:ILE:HD12	2.41	0.47
1:O:259:SER:HB3	1:O:260:CYS:H	1.48	0.47
1:O:320:ASN:HD21	1:O:323:ARG:HB2	1.79	0.47
1:O:443:ILE:CG1	1:O:478:ILE:HG22	2.41	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:562:LEU:HD12	1:O:577:ALA:CA	2.44	0.47
1:O:601:UNK:CB	1:O:1040:UNK:CB	2.92	0.47
1:O:1074:UNK:CB	1:O:1094:UNK:C	2.92	0.47
1:P:141:LEU:HD23	1:P:143:PRO:HD2	1.94	0.47
1:P:204:ASP:O	1:P:208:THR:HG21	2.14	0.47
1:P:221:ILE:HG12	1:P:222:HIS:N	2.28	0.47
1:P:301:LEU:HG	1:P:305:LEU:HD12	1.96	0.47
1:P:390:TRP:CZ2	1:P:402:VAL:CG1	2.96	0.47
1:P:536:GLU:HA	1:P:539:VAL:HG12	1.95	0.47
1:A:39:ILE:O	1:A:72:MET:CE	2.62	0.47
1:A:148:LEU:HD22	1:A:264:LEU:HD13	1.96	0.47
1:A:313:PRO:HA	1:A:316:VAL:CG1	2.43	0.47
1:A:320:ASN:ND2	1:A:322:ARG:HG3	2.29	0.47
1:A:361:GLU:CG	1:A:365:TYR:CD1	2.95	0.47
1:A:381:ILE:HD13	1:A:381:ILE:HG21	1.60	0.47
1:B:39:ILE:O	1:B:72:MET:CE	2.62	0.47
1:B:149:ILE:HG21	1:B:149:ILE:HD13	1.40	0.47
1:B:152:VAL:CG2	1:B:410:LEU:HD11	2.40	0.47
1:B:196:LEU:CD2	1:B:224:ILE:HG21	2.39	0.47
1:B:301:LEU:CD1	1:B:328:ALA:CB	2.93	0.47
1:B:323:ARG:HG2	1:B:327:ILE:CD1	2.44	0.47
1:B:1074:UNK:CB	1:B:1094:UNK:C	2.92	0.47
1:C:37:LYS:CD	1:C:39:ILE:HB	2.44	0.47
1:C:179:PHE:CD1	1:C:240:CYS:SG	3.07	0.47
1:C:179:PHE:HZ	1:C:237:TYR:CE1	2.32	0.47
1:C:381:ILE:C	1:C:419:THR:HB	2.34	0.47
1:D:301:LEU:HG	1:D:305:LEU:HD12	1.96	0.47
1:D:353:ILE:HG23	1:D:354:GLU:N	2.28	0.47
1:D:412:GLU:OE2	1:D:422:ILE:HA	2.14	0.47
1:D:484:MET:SD	1:D:535:TYR:CE1	3.07	0.47
1:D:578:HIS:C	1:D:581:VAL:HG13	2.35	0.47
1:E:322:ARG:NE	1:E:349:LEU:HG	2.28	0.47
1:E:398:VAL:HG23	1:E:399:MET:N	2.28	0.47
1:E:536:GLU:HA	1:E:539:VAL:HG12	1.95	0.47
1:E:1020:UNK:C	1:E:1049:UNK:O	2.63	0.47
1:F:60:ARG:HH21	1:F:128:LEU:HD11	1.79	0.47
1:F:204:ASP:O	1:F:208:THR:HG21	2.14	0.47
1:F:322:ARG:HH21	1:F:349:LEU:HD11	1.79	0.47
1:F:578:HIS:C	1:F:581:VAL:HG13	2.35	0.47
1:F:1074:UNK:CB	1:F:1094:UNK:C	2.92	0.47
1:G:69:GLN:HE21	1:G:72:MET:H	1.62	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:228:LEU:HD23	1:G:228:LEU:O	2.13	0.47
1:G:313:PRO:HA	1:G:316:VAL:CG1	2.43	0.47
1:G:320:ASN:HD21	1:G:323:ARG:HB2	1.79	0.47
1:G:601:UNK:CB	1:G:1040:UNK:CB	2.92	0.47
1:G:1074:UNK:CB	1:G:1094:UNK:C	2.92	0.47
1:H:32:VAL:C	1:H:36:PRO:CD	2.80	0.47
1:H:69:GLN:HE21	1:H:72:MET:H	1.62	0.47
1:H:204:ASP:O	1:H:208:THR:HG21	2.14	0.47
1:H:276:SER:CB	1:H:282:HIS:HB2	2.43	0.47
1:H:301:LEU:CD1	1:H:328:ALA:CB	2.93	0.47
1:H:322:ARG:NE	1:H:349:LEU:HG	2.29	0.47
1:H:376:PRO:HG2	1:H:470:HIS:CD2	2.49	0.47
1:H:462:TYR:CD1	1:H:467:PHE:CB	2.98	0.47
1:I:39:ILE:O	1:I:72:MET:CE	2.62	0.47
1:I:488:ARG:CA	1:I:491:PHE:H	2.18	0.47
1:I:1020:UNK:C	1:I:1049:UNK:O	2.63	0.47
1:J:179:PHE:CD1	1:J:240:CYS:SG	3.07	0.47
1:J:320:ASN:ND2	1:J:322:ARG:HG3	2.29	0.47
1:K:113:LEU:CD2	1:K:165:CYS:HB3	2.39	0.47
1:K:323:ARG:HG2	1:K:327:ILE:CD1	2.44	0.47
1:K:578:HIS:C	1:K:581:VAL:HG13	2.34	0.47
1:L:39:ILE:O	1:L:72:MET:CE	2.62	0.47
1:L:152:VAL:CG2	1:L:410:LEU:HD11	2.40	0.47
1:L:161:ALA:HB3	1:L:180:TRP:HH2	1.78	0.47
1:L:323:ARG:O	1:L:327:ILE:HG13	2.14	0.47
1:L:398:VAL:HG23	1:L:399:MET:N	2.28	0.47
1:L:545:PHE:CE1	1:L:567:MET:SD	3.07	0.47
1:M:39:ILE:O	1:M:72:MET:CE	2.62	0.47
1:M:75:LYS:HB2	1:M:75:LYS:NZ	2.28	0.47
1:M:123:TYR:HB3	1:M:303:LYS:HB3	1.95	0.47
1:M:179:PHE:CD1	1:M:240:CYS:SG	3.07	0.47
1:M:313:PRO:HA	1:M:316:VAL:CG1	2.43	0.47
1:M:508:TRP:CD1	1:M:509:ASN:N	2.82	0.47
1:M:578:HIS:C	1:M:581:VAL:HG13	2.34	0.47
1:N:28:ASP:OD1	1:N:35:MET:HE1	2.14	0.47
1:N:39:ILE:O	1:N:72:MET:CE	2.62	0.47
1:N:51:SER:OG	1:N:60:ARG:HG3	2.13	0.47
1:N:301:LEU:CD1	1:N:328:ALA:CB	2.93	0.47
1:N:323:ARG:HG2	1:N:327:ILE:CD1	2.44	0.47
1:N:357:LEU:HG	1:N:366:ARG:HD3	1.94	0.47
1:N:462:TYR:CD1	1:N:467:PHE:CB	2.98	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:39:ILE:O	1:O:72:MET:CE	2.62	0.47
1:O:179:PHE:CE1	1:O:240:CYS:SG	3.07	0.47
1:O:322:ARG:NE	1:O:349:LEU:HG	2.28	0.47
1:O:369:PHE:HE1	1:O:372:LEU:CD1	2.27	0.47
1:O:1068:UNK:HA	1:O:1072:UNK:CA	2.44	0.47
1:P:51:SER:HB3	1:P:56:SER:HB3	1.96	0.47
1:P:144:ALA:HA	1:P:261:LYS:CB	2.39	0.47
1:P:179:PHE:HD1	1:P:242:LEU:CD2	2.27	0.47
1:P:1074:UNK:CB	1:P:1094:UNK:C	2.92	0.47
1:A:123:TYR:HB3	1:A:303:LYS:HB3	1.95	0.47
1:A:141:LEU:HD13	1:A:145:LYS:CG	2.43	0.47
1:A:179:PHE:CD1	1:A:240:CYS:SG	3.07	0.47
1:A:179:PHE:HZ	1:A:237:TYR:CE1	2.32	0.47
1:A:216:ASN:HD21	1:A:216:ASN:N	2.09	0.47
1:A:578:HIS:C	1:A:581:VAL:HG13	2.35	0.47
1:A:1020:UNK:C	1:A:1049:UNK:O	2.63	0.47
1:B:20:GLU:HB3	1:B:24:VAL:HA	1.95	0.47
1:B:88:LEU:H	1:B:88:LEU:CD2	2.26	0.47
1:B:559:THR:CG2	1:B:1037:UNK:CA	2.93	0.47
1:B:1068:UNK:HA	1:B:1072:UNK:CA	2.44	0.47
1:C:75:LYS:HB2	1:C:75:LYS:NZ	2.28	0.47
1:C:149:ILE:HG22	1:C:265:THR:HA	1.95	0.47
1:C:313:PRO:HA	1:C:316:VAL:CG1	2.43	0.47
1:C:473:HIS:HA	1:C:527:TYR:CE1	2.49	0.47
1:C:508:TRP:HD1	1:C:509:ASN:H	1.56	0.47
1:C:601:UNK:CB	1:C:1040:UNK:CB	2.92	0.47
1:D:179:PHE:CD1	1:D:240:CYS:SG	3.07	0.47
1:D:320:ASN:ND2	1:D:322:ARG:HG3	2.29	0.47
1:D:559:THR:CG2	1:D:1037:UNK:CA	2.93	0.47
1:D:562:LEU:HD12	1:D:577:ALA:CA	2.44	0.47
1:E:161:ALA:HB3	1:E:180:TRP:HH2	1.78	0.47
1:E:508:TRP:CD1	1:E:509:ASN:N	2.82	0.47
1:F:35:MET:HE1	1:F:61:LEU:HD22	1.97	0.47
1:F:39:ILE:O	1:F:72:MET:CE	2.62	0.47
1:F:51:SER:HB3	1:F:56:SER:HB3	1.96	0.47
1:F:69:GLN:HE21	1:F:72:MET:H	1.62	0.47
1:F:142:ARG:CB	1:F:143:PRO:HD3	2.39	0.47
1:F:179:PHE:HD1	1:F:242:LEU:CD2	2.27	0.47
1:F:192:VAL:HG11	1:F:251:LYS:CD	2.36	0.47
1:F:312:LEU:HB2	1:F:313:PRO:HD3	1.95	0.47
1:F:365:TYR:CE2	1:F:401:VAL:HA	2.49	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:573:ILE:HG22	1:F:574:PHE:N	2.28	0.47
1:G:193:LEU:CD2	1:G:224:ILE:HD12	2.41	0.47
1:G:322:ARG:NE	1:G:349:LEU:HG	2.28	0.47
1:G:1020:UNK:C	1:G:1049:UNK:O	2.63	0.47
1:H:28:ASP:OD1	1:H:35:MET:HE1	2.14	0.47
1:H:51:SER:HB3	1:H:56:SER:HB3	1.96	0.47
1:H:365:TYR:CZ	1:H:401:VAL:HG13	2.49	0.47
1:H:492:LEU:HB2	1:H:576:GLU:HB3	1.95	0.47
1:H:515:LEU:CD1	1:H:519:GLN:HB2	2.39	0.47
1:I:478:ILE:HG13	1:I:479:GLU:H	1.76	0.47
1:I:508:TRP:CD1	1:I:509:ASN:N	2.82	0.47
1:J:365:TYR:CD1	1:J:365:TYR:N	2.82	0.47
1:J:508:TRP:CD1	1:J:509:ASN:N	2.82	0.47
1:J:559:THR:CG2	1:J:1037:UNK:CA	2.93	0.47
1:K:179:PHE:CD1	1:K:240:CYS:SG	3.07	0.47
1:K:179:PHE:HZ	1:K:237:TYR:CE1	2.32	0.47
1:K:601:UNK:CB	1:K:1040:UNK:CB	2.92	0.47
1:L:88:LEU:H	1:L:88:LEU:CD2	2.26	0.47
1:L:288:HIS:CG	1:L:289:SER:H	2.32	0.47
1:L:301:LEU:CD1	1:L:328:ALA:CB	2.93	0.47
1:L:361:GLU:CG	1:L:365:TYR:CD1	2.95	0.47
1:L:381:ILE:C	1:L:419:THR:HB	2.34	0.47
1:L:559:THR:CG2	1:L:1037:UNK:CA	2.93	0.47
1:L:1068:UNK:HA	1:L:1072:UNK:CA	2.44	0.47
1:M:161:ALA:HB3	1:M:180:TRP:HH2	1.78	0.47
1:M:179:PHE:HZ	1:M:237:TYR:CE1	2.32	0.47
1:M:320:ASN:ND2	1:M:322:ARG:HG3	2.29	0.47
1:M:443:ILE:HG23	1:M:444:VAL:N	2.28	0.47
1:M:545:PHE:CE1	1:M:567:MET:SD	3.07	0.47
1:M:1020:UNK:C	1:M:1049:UNK:O	2.63	0.47
1:N:12:TYR:CE2	1:N:15:ILE:HD12	2.47	0.47
1:N:51:SER:HB3	1:N:56:SER:HB3	1.96	0.47
1:N:69:GLN:HE21	1:N:72:MET:H	1.62	0.47
1:N:186:CYS:HB2	1:N:249:ASN:HB2	1.97	0.47
1:N:204:ASP:O	1:N:208:THR:HG21	2.14	0.47
1:N:323:ARG:O	1:N:327:ILE:HG13	2.14	0.47
1:N:349:LEU:HD12	1:N:349:LEU:H	1.80	0.47
1:N:359:VAL:HG12	1:N:360:LEU:HD12	1.92	0.47
1:N:376:PRO:HG2	1:N:470:HIS:CD2	2.49	0.47
1:O:12:TYR:CE2	1:O:15:ILE:HD12	2.47	0.47
1:O:228:LEU:HD23	1:O:228:LEU:O	2.13	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:60:ARG:HH21	1:P:128:LEU:HD11	1.79	0.47
1:P:369:PHE:HE1	1:P:372:LEU:CD1	2.27	0.47
1:P:491:PHE:HA	1:P:576:GLU:CG	2.36	0.47
1:P:578:HIS:C	1:P:581:VAL:HG13	2.35	0.47
1:A:51:SER:OG	1:A:60:ARG:HG3	2.13	0.47
1:A:149:ILE:HG22	1:A:265:THR:HA	1.95	0.47
1:A:186:CYS:HB2	1:A:249:ASN:HB2	1.97	0.47
1:A:545:PHE:CE1	1:A:567:MET:SD	3.07	0.47
1:A:559:THR:CG2	1:A:1037:UNK:CA	2.93	0.47
1:B:256:PHE:CD2	1:B:262:ILE:HB	2.47	0.47
1:B:288:HIS:CG	1:B:289:SER:H	2.32	0.47
1:B:435:ASN:CG	1:B:439:LEU:HD11	2.35	0.47
1:C:19:PHE:HZ	1:K:87:PHE:CB	2.13	0.47
1:C:51:SER:HB3	1:C:56:SER:HB3	1.96	0.47
1:C:87:PHE:CB	1:K:19:PHE:HZ	2.13	0.47
1:C:322:ARG:HH21	1:C:349:LEU:HD11	1.79	0.47
1:C:578:HIS:C	1:C:581:VAL:HG13	2.35	0.47
1:D:60:ARG:HH21	1:D:128:LEU:HD11	1.79	0.47
1:D:87:PHE:CB	1:L:19:PHE:HZ	2.13	0.47
1:D:180:TRP:CH2	1:D:243:VAL:HG11	2.50	0.47
1:D:488:ARG:CA	1:D:491:PHE:H	2.18	0.47
1:D:508:TRP:CD1	1:D:509:ASN:N	2.82	0.47
1:D:1074:UNK:CB	1:D:1094:UNK:C	2.92	0.47
1:E:179:PHE:HD1	1:E:242:LEU:CD2	2.27	0.47
1:E:216:ASN:HD21	1:E:216:ASN:N	2.09	0.47
1:E:484:MET:SD	1:E:535:TYR:CE1	3.07	0.47
1:E:545:PHE:CE1	1:E:567:MET:SD	3.07	0.47
1:F:12:TYR:CE2	1:F:15:ILE:HD12	2.47	0.47
1:F:369:PHE:HE1	1:F:372:LEU:CD1	2.27	0.47
1:F:385:LEU:CD1	1:F:466:TYR:CB	2.92	0.47
1:F:443:ILE:CG1	1:F:478:ILE:HG22	2.41	0.47
1:G:113:LEU:CD2	1:G:165:CYS:HB3	2.39	0.47
1:G:489:MET:O	1:G:573:ILE:HG13	2.14	0.47
1:H:12:TYR:CE2	1:H:15:ILE:HD12	2.47	0.47
1:H:51:SER:OG	1:H:60:ARG:HG3	2.13	0.47
1:H:186:CYS:HB2	1:H:249:ASN:HB2	1.97	0.47
1:H:323:ARG:O	1:H:327:ILE:HG13	2.14	0.47
1:H:349:LEU:HD12	1:H:349:LEU:H	1.80	0.47
1:H:412:GLU:OE2	1:H:422:ILE:HA	2.14	0.47
1:H:1020:UNK:C	1:H:1049:UNK:O	2.63	0.47
1:I:123:TYR:HB3	1:I:303:LYS:HB3	1.95	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:149:ILE:HG22	1:I:265:THR:HA	1.95	0.47
1:I:398:VAL:HG23	1:I:399:MET:N	2.28	0.47
1:I:495:ARG:NE	1:I:561:LEU:HD12	2.21	0.47
1:I:545:PHE:CE1	1:I:567:MET:SD	3.07	0.47
1:J:180:TRP:CH2	1:J:243:VAL:HG11	2.50	0.47
1:J:257:ASN:OD1	1:J:279:THR:HG21	2.08	0.47
1:J:359:VAL:HG12	1:J:360:LEU:HD12	1.92	0.47
1:J:449:ILE:HD11	1:J:467:PHE:HE2	1.79	0.47
1:J:562:LEU:HD12	1:J:577:ALA:CA	2.44	0.47
1:K:51:SER:HB3	1:K:56:SER:HB3	1.96	0.47
1:K:75:LYS:HB2	1:K:75:LYS:NZ	2.28	0.47
1:K:186:CYS:CB	1:K:249:ASN:HB3	2.44	0.47
1:K:313:PRO:HA	1:K:316:VAL:CG1	2.43	0.47
1:K:320:ASN:HD22	1:K:322:ARG:HG3	1.78	0.47
1:K:473:HIS:HA	1:K:527:TYR:CE1	2.49	0.47
1:L:228:LEU:HD23	1:L:228:LEU:C	2.34	0.47
1:L:320:ASN:HD22	1:L:322:ARG:HG3	1.78	0.47
1:L:323:ARG:HG2	1:L:327:ILE:CD1	2.44	0.47
1:L:435:ASN:CG	1:L:439:LEU:HD11	2.35	0.47
1:M:179:PHE:HD1	1:M:242:LEU:CD2	2.27	0.47
1:M:301:LEU:CD1	1:M:328:ALA:HB2	2.45	0.47
1:N:32:VAL:C	1:N:36:PRO:CD	2.80	0.47
1:N:122:LYS:CB	1:N:304:TYR:CD2	2.95	0.47
1:N:365:TYR:CZ	1:N:401:VAL:HG13	2.49	0.47
1:N:412:GLU:OE2	1:N:422:ILE:HA	2.14	0.47
1:N:489:MET:O	1:N:573:ILE:HG13	2.14	0.47
1:N:492:LEU:HB2	1:N:576:GLU:HB3	1.95	0.47
1:N:1020:UNK:C	1:N:1049:UNK:O	2.63	0.47
1:O:1020:UNK:C	1:O:1049:UNK:O	2.63	0.47
1:P:69:GLN:HE21	1:P:72:MET:H	1.62	0.47
1:P:125:VAL:CG2	1:P:297:VAL:HA	2.44	0.47
1:P:301:LEU:CD2	1:P:324:LEU:HD21	2.39	0.47
1:P:312:LEU:HB2	1:P:313:PRO:HD3	1.95	0.47
1:P:365:TYR:CE2	1:P:401:VAL:HA	2.49	0.47
1:P:385:LEU:CD1	1:P:466:TYR:CB	2.92	0.47
1:P:573:ILE:HG22	1:P:574:PHE:N	2.28	0.47
1:A:301:LEU:CD1	1:A:328:ALA:HB2	2.45	0.47
1:A:323:ARG:HA	1:A:326:ILE:HG22	1.97	0.47
1:A:365:TYR:CE2	1:A:401:VAL:HA	2.49	0.47
1:A:412:GLU:OE2	1:A:422:ILE:HA	2.14	0.47
1:A:489:MET:O	1:A:573:ILE:HG13	2.14	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:19:PHE:HZ	1:J:87:PHE:CB	2.13	0.47
1:B:120:PHE:CD1	1:B:122:LYS:N	2.83	0.47
1:B:179:PHE:HZ	1:B:237:TYR:CE1	2.32	0.47
1:B:228:LEU:HD23	1:B:228:LEU:C	2.34	0.47
1:B:320:ASN:HD22	1:B:322:ARG:HG3	1.78	0.47
1:B:353:ILE:HG23	1:B:354:GLU:N	2.28	0.47
1:B:361:GLU:CG	1:B:365:TYR:CD1	2.95	0.47
1:B:365:TYR:CE2	1:B:401:VAL:HA	2.49	0.47
1:B:473:HIS:HA	1:B:527:TYR:CE1	2.49	0.47
1:B:562:LEU:HD12	1:B:577:ALA:CA	2.44	0.47
1:C:69:GLN:HE21	1:C:72:MET:H	1.62	0.47
1:C:120:PHE:CZ	1:C:122:LYS:CD	2.98	0.47
1:C:179:PHE:HD1	1:C:242:LEU:CD2	2.27	0.47
1:C:276:SER:HB3	1:C:282:HIS:HB2	1.97	0.47
1:C:320:ASN:HD22	1:C:322:ARG:HG3	1.79	0.47
1:D:81:LEU:HA	1:D:89:MET:HE2	1.97	0.47
1:D:120:PHE:CD1	1:D:122:LYS:N	2.83	0.47
1:D:365:TYR:CD1	1:D:365:TYR:N	2.82	0.47
1:D:543:LEU:HD23	1:D:543:LEU:C	2.34	0.47
1:E:88:LEU:H	1:E:88:LEU:CD2	2.26	0.47
1:E:148:LEU:HD22	1:E:264:LEU:HD13	1.96	0.47
1:E:149:ILE:HG22	1:E:265:THR:HA	1.95	0.47
1:E:228:LEU:HD23	1:E:228:LEU:C	2.34	0.47
1:E:323:ARG:HG2	1:E:327:ILE:CD1	2.44	0.47
1:E:543:LEU:HD23	1:E:543:LEU:C	2.34	0.47
1:F:105:MET:CE	1:F:106:TYR:CE1	2.97	0.47
1:F:125:VAL:CG2	1:F:297:VAL:HA	2.44	0.47
1:F:228:LEU:HD23	1:F:228:LEU:C	2.34	0.47
1:F:301:LEU:CD2	1:F:324:LEU:HD21	2.39	0.47
1:H:301:LEU:CD1	1:H:328:ALA:HB2	2.45	0.47
1:H:365:TYR:CE2	1:H:401:VAL:HA	2.49	0.47
1:H:449:ILE:HD11	1:H:467:PHE:HE2	1.79	0.47
1:H:489:MET:O	1:H:573:ILE:HG13	2.14	0.47
1:H:564:ILE:O	1:H:567:MET:HE3	2.15	0.47
1:I:161:ALA:HB3	1:I:180:TRP:HH2	1.78	0.47
1:I:179:PHE:HD1	1:I:242:LEU:CD2	2.27	0.47
1:I:276:SER:HB3	1:I:282:HIS:CB	2.45	0.47
1:I:323:ARG:O	1:I:327:ILE:HG13	2.14	0.47
1:I:484:MET:SD	1:I:535:TYR:CE1	3.07	0.47
1:J:60:ARG:HH21	1:J:128:LEU:HD11	1.79	0.47
1:J:120:PHE:CD1	1:J:122:LYS:N	2.83	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:428:GLU:HA	1:J:431:VAL:HG22	1.97	0.47
1:J:1074:UNK:CB	1:J:1094:UNK:C	2.92	0.47
1:K:120:PHE:CZ	1:K:122:LYS:CD	2.98	0.47
1:K:179:PHE:HD1	1:K:242:LEU:CD2	2.27	0.47
1:K:301:LEU:CD2	1:K:324:LEU:HD21	2.39	0.47
1:L:20:GLU:HB3	1:L:24:VAL:HA	1.95	0.47
1:L:120:PHE:CD1	1:L:122:LYS:N	2.83	0.47
1:L:196:LEU:CD2	1:L:224:ILE:HG21	2.39	0.47
1:L:365:TYR:CE2	1:L:401:VAL:HA	2.49	0.47
1:L:365:TYR:CZ	1:L:401:VAL:HG13	2.49	0.47
1:L:473:HIS:HA	1:L:527:TYR:CE1	2.49	0.47
1:L:559:THR:HA	1:L:1036:UNK:C	2.41	0.47
1:L:562:LEU:HD12	1:L:577:ALA:CA	2.44	0.47
1:L:1020:UNK:C	1:L:1049:UNK:O	2.63	0.47
1:M:51:SER:OG	1:M:60:ARG:HG3	2.13	0.47
1:M:60:ARG:HH21	1:M:128:LEU:HD11	1.79	0.47
1:M:141:LEU:HD13	1:M:145:LYS:CG	2.43	0.47
1:M:186:CYS:HB2	1:M:249:ASN:HB2	1.97	0.47
1:M:322:ARG:HH21	1:M:349:LEU:HD11	1.79	0.47
1:M:323:ARG:HA	1:M:326:ILE:HG22	1.97	0.47
1:M:357:LEU:HD13	1:M:357:LEU:C	2.33	0.47
1:M:391:PHE:HD1	1:M:398:VAL:HG11	1.72	0.47
1:M:412:GLU:OE2	1:M:422:ILE:HA	2.14	0.47
1:M:489:MET:O	1:M:573:ILE:HG13	2.14	0.47
1:M:559:THR:CG2	1:M:1037:UNK:CA	2.93	0.47
1:N:203:ILE:HG23	1:N:231:LEU:CD2	2.36	0.47
1:N:301:LEU:CD1	1:N:328:ALA:HB2	2.45	0.47
1:N:365:TYR:CE2	1:N:401:VAL:HA	2.49	0.47
1:N:449:ILE:HD11	1:N:467:PHE:HE2	1.79	0.47
1:N:564:ILE:O	1:N:567:MET:HE3	2.15	0.47
1:O:462:TYR:CD1	1:O:467:PHE:CB	2.98	0.47
1:P:39:ILE:O	1:P:72:MET:CE	2.62	0.47
1:P:519:GLN:CG	1:P:523:PHE:CZ	2.94	0.47
1:P:1068:UNK:HA	1:P:1072:UNK:CA	2.44	0.47
1:A:35:MET:O	1:A:40:LEU:N	2.45	0.47
1:A:37:LYS:CD	1:A:39:ILE:HB	2.44	0.47
1:A:48:ILE:HG12	1:A:61:LEU:CB	2.45	0.47
1:A:60:ARG:HH21	1:A:128:LEU:HD11	1.79	0.47
1:A:179:PHE:HD1	1:A:242:LEU:CD2	2.27	0.47
1:A:204:ASP:O	1:A:208:THR:HG21	2.14	0.47
1:A:322:ARG:HH21	1:A:349:LEU:HD11	1.79	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:357:LEU:HD13	1:A:357:LEU:C	2.33	0.47
1:A:365:TYR:CZ	1:A:401:VAL:HG13	2.49	0.47
1:A:462:TYR:CD1	1:A:467:PHE:CB	2.98	0.47
1:B:81:LEU:HA	1:B:89:MET:HE2	1.97	0.47
1:B:122:LYS:CB	1:B:304:TYR:CD2	2.95	0.47
1:B:123:TYR:HB3	1:B:303:LYS:HB3	1.95	0.47
1:B:301:LEU:CD1	1:B:328:ALA:HB2	2.45	0.47
1:B:349:LEU:HD12	1:B:349:LEU:H	1.80	0.47
1:B:365:TYR:CZ	1:B:401:VAL:HG13	2.49	0.47
1:B:381:ILE:C	1:B:419:THR:HB	2.34	0.47
1:B:428:GLU:HA	1:B:431:VAL:HG22	1.97	0.47
1:B:559:THR:HA	1:B:1036:UNK:C	2.41	0.47
1:B:875:UNK:CB	1:B:906:UNK:CB	2.93	0.47
1:B:1020:UNK:C	1:B:1049:UNK:O	2.63	0.47
1:C:20:GLU:HA	1:C:85:TYR:HH	1.80	0.47
1:C:186:CYS:CB	1:C:249:ASN:HB3	2.44	0.47
1:C:301:LEU:HG	1:C:305:LEU:HD12	1.96	0.47
1:C:488:ARG:CA	1:C:491:PHE:H	2.18	0.47
1:C:538:LEU:CD1	1:C:572:ALA:HB3	2.42	0.47
1:C:543:LEU:HD23	1:C:543:LEU:C	2.34	0.47
1:D:8:HIS:CD2	1:D:103:THR:CG2	2.98	0.47
1:D:228:LEU:HD23	1:D:228:LEU:C	2.34	0.47
1:D:276:SER:HB3	1:D:282:HIS:HB2	1.97	0.47
1:D:323:ARG:HA	1:D:326:ILE:HG22	1.97	0.47
1:D:428:GLU:HA	1:D:431:VAL:HG22	1.97	0.47
1:D:449:ILE:HD11	1:D:467:PHE:HE2	1.79	0.47
1:D:489:MET:O	1:D:573:ILE:HG13	2.14	0.47
1:D:536:GLU:HA	1:D:539:VAL:HG12	1.95	0.47
1:D:601:UNK:CB	1:D:1040:UNK:CB	2.92	0.47
1:D:1020:UNK:C	1:D:1049:UNK:O	2.63	0.47
1:E:8:HIS:CD2	1:E:103:THR:CG2	2.98	0.47
1:E:123:TYR:HB3	1:E:303:LYS:HB3	1.95	0.47
1:E:276:SER:HB3	1:E:282:HIS:CB	2.45	0.47
1:E:320:ASN:HD22	1:E:322:ARG:HG3	1.79	0.47
1:E:323:ARG:O	1:E:327:ILE:HG13	2.14	0.47
1:E:323:ARG:HA	1:E:326:ILE:HG22	1.97	0.47
1:E:495:ARG:NE	1:E:561:LEU:HD12	2.21	0.47
1:F:88:LEU:H	1:F:88:LEU:CD2	2.26	0.47
1:F:120:PHE:CD1	1:F:122:LYS:N	2.83	0.47
1:F:141:LEU:HD13	1:F:145:LYS:CG	2.43	0.47
1:F:244:LEU:HD22	1:F:262:ILE:CG2	2.43	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:359:VAL:HG12	1:F:360:LEU:HD12	1.92	0.47
1:F:437:TYR:CE1	1:F:440:HIS:CD2	3.03	0.47
1:F:491:PHE:HA	1:F:576:GLU:CG	2.36	0.47
1:F:519:GLN:CG	1:F:523:PHE:CZ	2.94	0.47
1:F:1068:UNK:HA	1:F:1072:UNK:CA	2.44	0.47
1:G:301:LEU:CD1	1:G:328:ALA:HB2	2.45	0.47
1:G:365:TYR:CE2	1:G:401:VAL:HA	2.49	0.47
1:G:453:PHE:CD2	1:G:461:PRO:HG2	2.40	0.47
1:G:462:TYR:CD1	1:G:467:PHE:CB	2.98	0.47
1:H:35:MET:O	1:H:40:LEU:N	2.45	0.47
1:H:65:LEU:HA	1:H:72:MET:HE2	1.96	0.47
1:H:122:LYS:CB	1:H:304:TYR:CD2	2.95	0.47
1:H:161:ALA:HB3	1:H:180:TRP:HH2	1.78	0.47
1:H:180:TRP:CH2	1:H:243:VAL:HG11	2.50	0.47
1:H:323:ARG:HA	1:H:326:ILE:HG22	1.97	0.47
1:H:365:TYR:CD1	1:H:365:TYR:N	2.82	0.47
1:H:435:ASN:CG	1:H:439:LEU:HD11	2.35	0.47
1:H:519:GLN:O	1:H:522:LYS:HB2	2.15	0.47
1:H:601:UNK:CB	1:H:1040:UNK:CB	2.92	0.47
1:H:875:UNK:CB	1:H:906:UNK:CB	2.93	0.47
1:I:8:HIS:CD2	1:I:103:THR:CG2	2.98	0.47
1:I:88:LEU:H	1:I:88:LEU:CD2	2.26	0.47
1:I:148:LEU:HD22	1:I:264:LEU:HD13	1.96	0.47
1:I:186:CYS:CB	1:I:249:ASN:HB3	2.44	0.47
1:I:204:ASP:O	1:I:208:THR:HG21	2.14	0.47
1:I:320:ASN:HD22	1:I:322:ARG:HG3	1.79	0.47
1:I:323:ARG:HG2	1:I:327:ILE:CD1	2.44	0.47
1:I:323:ARG:HA	1:I:326:ILE:HG22	1.97	0.47
1:I:543:LEU:HD23	1:I:543:LEU:C	2.34	0.47
1:I:559:THR:CG2	1:I:1037:UNK:CA	2.93	0.47
1:J:8:HIS:CD2	1:J:103:THR:CG2	2.98	0.47
1:J:276:SER:HB3	1:J:282:HIS:HB2	1.97	0.47
1:J:323:ARG:HA	1:J:326:ILE:HG22	1.97	0.47
1:J:357:LEU:HD11	1:J:366:ARG:CD	2.27	0.47
1:J:489:MET:O	1:J:573:ILE:HG13	2.14	0.47
1:J:536:GLU:HA	1:J:539:VAL:HG12	1.95	0.47
1:J:543:LEU:HD23	1:J:543:LEU:C	2.34	0.47
1:J:601:UNK:CB	1:J:1040:UNK:CB	2.92	0.47
1:J:1020:UNK:C	1:J:1049:UNK:O	2.63	0.47
1:K:20:GLU:HA	1:K:85:TYR:HH	1.80	0.47
1:K:60:ARG:HH21	1:K:128:LEU:HD11	1.79	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:69:GLN:HE21	1:K:72:MET:H	1.62	0.47
1:K:123:TYR:HB3	1:K:303:LYS:HB3	1.95	0.47
1:K:149:ILE:HG21	1:K:149:ILE:HD13	1.40	0.47
1:K:276:SER:HB3	1:K:282:HIS:HB2	1.97	0.47
1:K:322:ARG:HH21	1:K:349:LEU:HD11	1.79	0.47
1:L:122:LYS:CB	1:L:304:TYR:CD2	2.95	0.47
1:L:149:ILE:HG21	1:L:149:ILE:HD13	1.40	0.47
1:L:179:PHE:HZ	1:L:237:TYR:CE1	2.32	0.47
1:L:179:PHE:HD1	1:L:242:LEU:HD21	1.79	0.47
1:L:256:PHE:CD2	1:L:262:ILE:HB	2.47	0.47
1:L:301:LEU:CD1	1:L:328:ALA:HB2	2.45	0.47
1:L:353:ILE:HG23	1:L:354:GLU:N	2.28	0.47
1:L:428:GLU:HA	1:L:431:VAL:HG22	1.97	0.47
1:L:510:ALA:HB2	1:L:647:UNK:O	2.15	0.47
1:L:875:UNK:CB	1:L:906:UNK:CB	2.93	0.47
1:M:35:MET:HE1	1:M:61:LEU:HD22	1.96	0.47
1:M:35:MET:O	1:M:40:LEU:N	2.45	0.47
1:M:37:LYS:CD	1:M:39:ILE:HB	2.44	0.47
1:M:51:SER:HB3	1:M:56:SER:HB3	1.96	0.47
1:M:125:VAL:CG2	1:M:297:VAL:HA	2.44	0.47
1:M:149:ILE:HG22	1:M:265:THR:HA	1.95	0.47
1:M:365:TYR:CE2	1:M:401:VAL:HA	2.49	0.47
1:M:365:TYR:CZ	1:M:401:VAL:HG13	2.49	0.47
1:M:449:ILE:HD11	1:M:467:PHE:HE2	1.79	0.47
1:M:462:TYR:CD1	1:M:467:PHE:CB	2.98	0.47
1:N:35:MET:O	1:N:40:LEU:N	2.45	0.47
1:N:52:LYS:HB2	1:N:52:LYS:HZ3	1.79	0.47
1:N:123:TYR:CG	1:N:303:LYS:CB	2.95	0.47
1:N:180:TRP:CH2	1:N:243:VAL:HG11	2.50	0.47
1:N:256:PHE:HE2	1:N:262:ILE:CB	2.26	0.47
1:N:323:ARG:HA	1:N:326:ILE:HG22	1.97	0.47
1:N:365:TYR:CD1	1:N:365:TYR:N	2.82	0.47
1:N:491:PHE:HA	1:N:576:GLU:CG	2.36	0.47
1:N:519:GLN:O	1:N:522:LYS:HB2	2.15	0.47
1:N:601:UNK:CB	1:N:1040:UNK:CB	2.92	0.47
1:N:875:UNK:CB	1:N:906:UNK:CB	2.93	0.47
1:O:100:SER:HB3	1:O:102:MET:HE3	1.96	0.47
1:O:113:LEU:CD2	1:O:165:CYS:HB3	2.39	0.47
1:O:148:LEU:HA	1:O:148:LEU:HD22	1.63	0.47
1:O:256:PHE:HE2	1:O:262:ILE:CB	2.26	0.47
1:O:301:LEU:CD1	1:O:328:ALA:HB2	2.45	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:453:PHE:CD2	1:O:461:PRO:HG2	2.40	0.47
1:O:489:MET:O	1:O:573:ILE:HG13	2.14	0.47
1:P:88:LEU:H	1:P:88:LEU:CD2	2.26	0.47
1:P:105:MET:CE	1:P:106:TYR:CE1	2.97	0.47
1:P:120:PHE:CD1	1:P:122:LYS:N	2.83	0.47
1:P:228:LEU:HD23	1:P:228:LEU:C	2.34	0.47
1:P:320:ASN:HD22	1:P:322:ARG:HG3	1.78	0.47
1:P:376:PRO:HG2	1:P:470:HIS:CD2	2.49	0.47
1:P:437:TYR:CE1	1:P:440:HIS:CD2	3.03	0.47
1:P:443:ILE:CG1	1:P:478:ILE:HG22	2.41	0.47
1:A:19:PHE:HZ	1:I:87:PHE:CB	2.13	0.47
1:A:51:SER:HB3	1:A:56:SER:HB3	1.96	0.47
1:A:510:ALA:HB2	1:A:647:UNK:O	2.15	0.47
1:A:601:UNK:CB	1:A:1040:UNK:CB	2.92	0.47
1:A:875:UNK:CB	1:A:906:UNK:CB	2.93	0.47
1:B:60:ARG:HH21	1:B:128:LEU:HD11	1.79	0.47
1:B:148:LEU:HD22	1:B:264:LEU:HD13	1.96	0.47
1:B:357:LEU:HB2	1:B:430:LYS:NZ	2.30	0.47
1:B:377:PRO:HA	1:B:422:ILE:HD11	1.95	0.47
1:B:510:ALA:HB2	1:B:647:UNK:O	2.15	0.47
1:C:123:TYR:HB3	1:C:303:LYS:HB3	1.95	0.47
1:C:149:ILE:HG21	1:C:149:ILE:HD13	1.40	0.47
1:C:301:LEU:CD2	1:C:324:LEU:HD21	2.39	0.47
1:C:326:ILE:HD13	1:C:326:ILE:C	2.35	0.47
1:C:385:LEU:CD1	1:C:466:TYR:HB3	2.45	0.47
1:C:385:LEU:HD11	1:C:467:PHE:CE1	2.50	0.47
1:C:449:ILE:HD11	1:C:467:PHE:HE2	1.79	0.47
1:C:559:THR:CG2	1:C:1037:UNK:CA	2.93	0.47
1:D:145:LYS:HZ2	1:D:261:LYS:HE3	1.79	0.47
1:E:87:PHE:CB	1:M:19:PHE:HZ	2.13	0.47
1:E:186:CYS:CB	1:E:249:ASN:HB3	2.44	0.47
1:E:204:ASP:O	1:E:208:THR:HG21	2.14	0.47
1:E:559:THR:CG2	1:E:1037:UNK:CA	2.93	0.47
1:F:8:HIS:CD2	1:F:103:THR:CG2	2.98	0.47
1:F:320:ASN:HD22	1:F:322:ARG:HG3	1.78	0.47
1:G:301:LEU:CD1	1:G:328:ALA:CB	2.93	0.47
1:G:437:TYR:CE1	1:G:440:HIS:CD2	3.03	0.47
1:G:519:GLN:O	1:G:522:LYS:HB2	2.15	0.47
1:G:536:GLU:HA	1:G:539:VAL:HG12	1.95	0.47
1:G:559:THR:CG2	1:G:1037:UNK:C	2.93	0.47
1:H:123:TYR:CG	1:H:303:LYS:CB	2.95	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:256:PHE:HE2	1:H:262:ILE:CB	2.26	0.47
1:H:386:LEU:HG	1:H:420:ILE:CD1	2.45	0.47
1:H:519:GLN:CG	1:H:523:PHE:CZ	2.94	0.47
1:I:228:LEU:HD23	1:I:228:LEU:C	2.34	0.47
1:I:546:LEU:CB	1:I:547:PRO:HD3	2.43	0.47
1:J:235:LYS:HB3	1:J:236:PRO:CD	2.40	0.47
1:J:462:TYR:CD1	1:J:467:PHE:CB	2.98	0.47
1:K:301:LEU:CD1	1:K:328:ALA:HB2	2.45	0.47
1:K:301:LEU:CD1	1:K:328:ALA:CB	2.93	0.47
1:K:385:LEU:HD11	1:K:467:PHE:CE1	2.50	0.47
1:K:412:GLU:OE2	1:K:422:ILE:HA	2.14	0.47
1:K:538:LEU:CD1	1:K:572:ALA:HB3	2.42	0.47
1:L:60:ARG:HH21	1:L:128:LEU:HD11	1.79	0.47
1:L:81:LEU:HA	1:L:89:MET:HE2	1.97	0.47
1:L:123:TYR:HB3	1:L:303:LYS:HB3	1.95	0.47
1:L:349:LEU:HD12	1:L:349:LEU:H	1.80	0.47
1:L:357:LEU:HB2	1:L:430:LYS:NZ	2.30	0.47
1:L:453:PHE:CD2	1:L:461:PRO:HG2	2.40	0.47
1:M:48:ILE:HG12	1:M:61:LEU:CB	2.45	0.47
1:M:88:LEU:H	1:M:88:LEU:CD2	2.26	0.47
1:M:204:ASP:O	1:M:208:THR:HG21	2.14	0.47
1:M:323:ARG:O	1:M:327:ILE:HG13	2.14	0.47
1:M:510:ALA:HB2	1:M:647:UNK:O	2.15	0.47
1:M:875:UNK:CB	1:M:906:UNK:CB	2.93	0.47
1:N:386:LEU:HG	1:N:420:ILE:CD1	2.45	0.47
1:N:435:ASN:CG	1:N:439:LEU:HD11	2.35	0.47
1:O:123:TYR:HB3	1:O:303:LYS:HB3	1.95	0.47
1:O:186:CYS:HB2	1:O:249:ASN:HB2	1.97	0.47
1:O:365:TYR:CE2	1:O:401:VAL:HA	2.49	0.47
1:O:376:PRO:HA	1:O:377:PRO:HD2	1.79	0.47
1:O:559:THR:CG2	1:O:1037:UNK:C	2.93	0.47
1:O:875:UNK:CB	1:O:906:UNK:CB	2.93	0.47
3:O:1402:DTP:H2'2	3:O:1402:DTP:H5'2	1.46	0.47
1:P:2:ASP:H	1:P:70:GLU:HG3	1.77	0.47
1:P:8:HIS:CD2	1:P:103:THR:CG2	2.98	0.47
1:P:141:LEU:HD13	1:P:145:LYS:CG	2.43	0.47
1:P:244:LEU:HD22	1:P:262:ILE:CG2	2.43	0.47
1:P:276:SER:HB3	1:P:282:HIS:CB	2.45	0.47
1:P:365:TYR:CD1	1:P:365:TYR:N	2.82	0.47
1:A:125:VAL:CG2	1:A:297:VAL:HA	2.44	0.47
1:A:323:ARG:O	1:A:327:ILE:HG13	2.14	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:385:LEU:CD1	1:A:466:TYR:HB3	2.45	0.47
1:A:386:LEU:HG	1:A:420:ILE:CD1	2.45	0.47
1:A:449:ILE:HD11	1:A:467:PHE:HE2	1.79	0.47
1:A:495:ARG:CB	1:A:561:LEU:HD11	2.45	0.47
1:B:120:PHE:CZ	1:B:122:LYS:CD	2.98	0.47
1:B:326:ILE:HD13	1:B:326:ILE:C	2.35	0.47
1:B:414:GLN:HA	1:B:415:PRO:HD2	1.78	0.47
1:B:453:PHE:CD2	1:B:461:PRO:HG2	2.40	0.47
1:B:484:MET:HA	1:B:489:MET:HE3	1.92	0.47
1:C:161:ALA:HB3	1:C:180:TRP:HH2	1.78	0.47
1:C:256:PHE:HE2	1:C:262:ILE:CB	2.26	0.47
1:C:301:LEU:CD1	1:C:328:ALA:HB2	2.45	0.47
1:C:301:LEU:CD1	1:C:328:ALA:CB	2.93	0.47
1:C:323:ARG:HA	1:C:326:ILE:HG22	1.97	0.47
1:C:412:GLU:OE2	1:C:422:ILE:HA	2.14	0.47
1:D:106:TYR:CG	1:D:169:LYS:HB2	2.50	0.47
1:D:365:TYR:CE2	1:D:401:VAL:HA	2.49	0.47
1:D:462:TYR:CD1	1:D:467:PHE:CB	2.98	0.47
1:D:473:HIS:HA	1:D:527:TYR:CE1	2.49	0.47
1:E:120:PHE:CD1	1:E:122:LYS:N	2.83	0.47
1:E:385:LEU:HD11	1:E:467:PHE:CE1	2.50	0.47
1:E:428:GLU:HA	1:E:431:VAL:HG22	1.97	0.47
1:E:443:ILE:CG1	1:E:478:ILE:HG22	2.41	0.47
1:E:510:ALA:HB2	1:E:647:UNK:O	2.15	0.47
1:E:546:LEU:CB	1:E:547:PRO:HD3	2.43	0.47
1:E:1052:UNK:CB	1:E:1068:UNK:CB	2.93	0.47
1:F:193:LEU:HD23	1:F:193:LEU:HA	1.78	0.47
1:F:276:SER:HB3	1:F:282:HIS:CB	2.45	0.47
1:F:300:LEU:CG	1:F:301:LEU:N	2.78	0.47
1:F:365:TYR:CD1	1:F:365:TYR:N	2.82	0.47
1:F:559:THR:CG2	1:F:1037:UNK:C	2.93	0.47
1:F:1074:UNK:CB	1:F:1095:UNK:CA	2.93	0.47
1:G:37:LYS:CD	1:G:39:ILE:HB	2.44	0.47
1:G:186:CYS:HB2	1:G:249:ASN:HB2	1.97	0.47
1:G:256:PHE:HE2	1:G:262:ILE:CB	2.26	0.47
1:G:376:PRO:HG2	1:G:470:HIS:CD2	2.49	0.47
1:G:376:PRO:HA	1:G:377:PRO:HD2	1.79	0.47
1:G:385:LEU:CD1	1:G:466:TYR:HB3	2.45	0.47
1:G:450:PRO:HG2	1:G:471:ILE:HD11	1.94	0.47
1:G:510:ALA:HB2	1:G:647:UNK:O	2.15	0.47
1:G:875:UNK:CB	1:G:906:UNK:CB	2.93	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:484:MET:HA	1:H:489:MET:HE1	1.94	0.47
1:H:536:GLU:HA	1:H:539:VAL:HG12	1.95	0.47
1:I:120:PHE:CD1	1:I:122:LYS:N	2.83	0.47
1:I:368:MET:CB	1:I:390:TRP:CE2	2.94	0.47
1:I:385:LEU:HD11	1:I:467:PHE:CE1	2.50	0.47
1:I:510:ALA:HB2	1:I:647:UNK:O	2.15	0.47
1:I:1052:UNK:CB	1:I:1068:UNK:CB	2.93	0.47
1:J:106:TYR:CG	1:J:169:LYS:HB2	2.50	0.47
1:J:228:LEU:HD23	1:J:228:LEU:C	2.34	0.47
1:J:365:TYR:CE2	1:J:401:VAL:HA	2.49	0.47
1:J:488:ARG:CA	1:J:491:PHE:H	2.18	0.47
1:J:559:THR:CG2	1:J:1037:UNK:C	2.93	0.47
1:K:256:PHE:HE2	1:K:262:ILE:CB	2.26	0.47
1:K:301:LEU:HG	1:K:305:LEU:HD12	1.96	0.47
1:K:323:ARG:HA	1:K:326:ILE:HG22	1.97	0.47
1:K:326:ILE:HD13	1:K:326:ILE:C	2.35	0.47
1:K:385:LEU:CD1	1:K:466:TYR:HB3	2.45	0.47
1:K:543:LEU:HD23	1:K:543:LEU:C	2.34	0.47
1:K:559:THR:CG2	1:K:1037:UNK:CA	2.93	0.47
1:K:875:UNK:CB	1:K:906:UNK:CB	2.93	0.47
1:L:35:MET:O	1:L:40:LEU:N	2.45	0.47
1:L:120:PHE:CZ	1:L:122:LYS:CD	2.98	0.47
1:L:186:CYS:CB	1:L:249:ASN:HB3	2.44	0.47
1:L:377:PRO:HA	1:L:422:ILE:HD11	1.95	0.47
1:L:484:MET:HA	1:L:489:MET:HE3	1.92	0.47
1:M:300:LEU:CG	1:M:301:LEU:N	2.78	0.47
1:M:385:LEU:CD1	1:M:466:TYR:HB3	2.45	0.47
1:M:495:ARG:CB	1:M:561:LEU:HD11	2.45	0.47
1:M:601:UNK:CB	1:M:1040:UNK:CB	2.92	0.47
1:N:65:LEU:HA	1:N:72:MET:HE2	1.96	0.47
1:N:161:ALA:HB3	1:N:180:TRP:HH2	1.78	0.47
1:N:519:GLN:CG	1:N:523:PHE:CZ	2.94	0.47
1:O:35:MET:HE1	1:O:61:LEU:HD22	1.97	0.47
1:O:148:LEU:HD22	1:O:264:LEU:HD13	1.96	0.47
1:O:186:CYS:CB	1:O:249:ASN:HB3	2.44	0.47
1:O:301:LEU:CD1	1:O:328:ALA:CB	2.93	0.47
1:O:385:LEU:CD1	1:O:466:TYR:HB3	2.45	0.47
1:O:386:LEU:HG	1:O:420:ILE:CD1	2.45	0.47
1:O:437:TYR:CE1	1:O:440:HIS:CD2	3.03	0.47
1:O:510:ALA:HB2	1:O:647:UNK:O	2.15	0.47
1:O:519:GLN:O	1:O:522:LYS:HB2	2.15	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:536:GLU:HA	1:O:539:VAL:HG12	1.95	0.47
1:P:301:LEU:CD1	1:P:328:ALA:CB	2.93	0.47
1:P:478:ILE:HG13	1:P:479:GLU:H	1.76	0.47
1:P:489:MET:O	1:P:573:ILE:HG13	2.14	0.47
1:P:559:THR:CG2	1:P:1037:UNK:C	2.93	0.47
1:P:1074:UNK:CB	1:P:1095:UNK:CA	2.93	0.47
1:A:88:LEU:H	1:A:88:LEU:CD2	2.26	0.47
1:A:326:ILE:HD13	1:A:326:ILE:C	2.35	0.47
1:A:437:TYR:CE1	1:A:440:HIS:CD2	3.03	0.47
1:B:276:SER:HB3	1:B:282:HIS:HB2	1.97	0.47
1:B:483:ARG:HE	1:B:527:TYR:HB2	1.79	0.47
1:B:489:MET:O	1:B:573:ILE:HG13	2.14	0.47
1:C:60:ARG:HH21	1:C:128:LEU:HD11	1.79	0.47
1:C:193:LEU:CD2	1:C:224:ILE:HD12	2.41	0.47
1:C:497:LEU:HD23	1:C:497:LEU:HA	1.61	0.47
1:C:508:TRP:CD1	1:C:509:ASN:N	2.82	0.47
1:C:875:UNK:CB	1:C:906:UNK:CB	2.93	0.47
1:C:1160:UNK:CB	1:C:1164:UNK:CB	2.93	0.47
1:D:235:LYS:HB3	1:D:236:PRO:CD	2.40	0.47
1:D:326:ILE:HD13	1:D:326:ILE:C	2.35	0.47
1:D:435:ASN:CG	1:D:439:LEU:HD11	2.35	0.47
1:D:437:TYR:CE1	1:D:440:HIS:CD2	3.03	0.47
1:D:559:THR:CG2	1:D:1037:UNK:C	2.93	0.47
1:E:357:LEU:HB2	1:E:430:LYS:NZ	2.30	0.47
1:E:376:PRO:HG2	1:E:470:HIS:CD2	2.49	0.47
1:E:435:ASN:CG	1:E:439:LEU:HD11	2.35	0.47
1:E:559:THR:CG2	1:E:1037:UNK:C	2.93	0.47
1:F:2:ASP:H	1:F:70:GLU:HG3	1.77	0.47
1:F:301:LEU:CD1	1:F:328:ALA:CB	2.93	0.47
1:F:478:ILE:HG13	1:F:479:GLU:H	1.76	0.47
1:F:543:LEU:HD23	1:F:543:LEU:C	2.34	0.47
1:F:1160:UNK:CB	1:F:1164:UNK:CB	2.93	0.47
1:G:123:TYR:HB3	1:G:303:LYS:HB3	1.95	0.47
1:G:148:LEU:HD22	1:G:264:LEU:HD13	1.96	0.47
1:G:161:ALA:HB3	1:G:180:TRP:HH2	1.78	0.47
1:G:323:ARG:HA	1:G:326:ILE:HG22	1.97	0.47
1:G:368:MET:CG	1:G:390:TRP:NE1	2.78	0.47
1:G:386:LEU:HG	1:G:420:ILE:CD1	2.45	0.47
3:G:1402:DTP:H2'2	3:G:1402:DTP:H5'2	1.46	0.47
1:H:326:ILE:HD13	1:H:326:ILE:C	2.35	0.47
1:H:559:THR:CG2	1:H:1037:UNK:C	2.93	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:55:VAL:CG1	1:I:132:LEU:HD11	2.39	0.47
1:I:268:PHE:CE2	1:I:270:GLN:CB	2.89	0.47
1:I:357:LEU:HB2	1:I:430:LYS:NZ	2.30	0.47
1:I:428:GLU:HA	1:I:431:VAL:HG22	1.97	0.47
1:I:462:TYR:CD1	1:I:467:PHE:CB	2.98	0.47
1:I:559:THR:CG2	1:I:1037:UNK:C	2.93	0.47
1:J:193:LEU:HD23	1:J:193:LEU:HA	1.78	0.47
1:J:326:ILE:HD13	1:J:326:ILE:C	2.35	0.47
1:J:384:ILE:CG2	1:J:463:LEU:HD22	2.39	0.47
1:J:435:ASN:CG	1:J:439:LEU:HD11	2.35	0.47
1:J:437:TYR:CE1	1:J:440:HIS:CD2	3.03	0.47
1:J:1074:UNK:CB	1:J:1095:UNK:CA	2.93	0.47
1:K:161:ALA:HB3	1:K:180:TRP:HH2	1.78	0.47
1:K:193:LEU:CD2	1:K:224:ILE:HD12	2.41	0.47
1:K:365:TYR:CE2	1:K:401:VAL:O	2.68	0.47
1:K:449:ILE:HD11	1:K:467:PHE:HE2	1.79	0.47
1:K:508:TRP:CD1	1:K:509:ASN:N	2.82	0.47
1:K:1160:UNK:CB	1:K:1164:UNK:CB	2.93	0.47
1:L:5:THR:HG23	1:L:73:VAL:HG21	1.97	0.47
1:L:148:LEU:HD22	1:L:264:LEU:HD13	1.96	0.47
1:L:276:SER:HB3	1:L:282:HIS:HB2	1.97	0.47
1:L:323:ARG:HA	1:L:326:ILE:HG22	1.97	0.47
1:L:326:ILE:HD13	1:L:326:ILE:C	2.35	0.47
1:M:386:LEU:HG	1:M:420:ILE:CD1	2.45	0.47
1:M:437:TYR:CE1	1:M:440:HIS:CD2	3.03	0.47
1:N:1:MET:HE1	1:N:65:LEU:HD11	1.97	0.47
1:N:256:PHE:CE2	1:N:262:ILE:CB	2.93	0.47
1:N:450:PRO:HG2	1:N:471:ILE:HD11	1.94	0.47
1:N:536:GLU:HA	1:N:539:VAL:HG12	1.95	0.47
1:N:559:THR:CG2	1:N:1037:UNK:C	2.93	0.47
1:O:37:LYS:CD	1:O:39:ILE:HB	2.44	0.47
1:O:368:MET:CG	1:O:390:TRP:NE1	2.78	0.47
1:O:376:PRO:HG2	1:O:470:HIS:CD2	2.49	0.47
1:O:377:PRO:HA	1:O:422:ILE:HD11	1.95	0.47
1:O:450:PRO:HG2	1:O:471:ILE:HD11	1.94	0.47
1:O:483:ARG:O	1:O:487:PHE:HD1	1.98	0.47
1:P:37:LYS:HZ2	1:P:39:ILE:HG12	1.78	0.47
1:P:256:PHE:HE2	1:P:262:ILE:CB	2.26	0.47
1:P:300:LEU:CG	1:P:301:LEU:N	2.78	0.47
1:P:323:ARG:HA	1:P:326:ILE:HG22	1.97	0.47
1:P:381:ILE:HG21	1:P:381:ILE:HD13	1.61	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:1160:UNK:CB	1:P:1164:UNK:CB	2.93	0.47
1:A:300:LEU:CG	1:A:301:LEU:N	2.78	0.46
1:A:483:ARG:O	1:A:487:PHE:HD1	1.98	0.46
1:A:1052:UNK:CB	1:A:1068:UNK:CB	2.93	0.46
1:B:5:THR:HG23	1:B:73:VAL:HG21	1.97	0.46
1:B:32:VAL:C	1:B:36:PRO:CD	2.80	0.46
1:B:35:MET:O	1:B:40:LEU:N	2.45	0.46
1:B:186:CYS:CB	1:B:249:ASN:HB3	2.44	0.46
1:B:256:PHE:HE2	1:B:262:ILE:CB	2.26	0.46
1:B:300:LEU:CG	1:B:301:LEU:N	2.78	0.46
1:B:323:ARG:HA	1:B:326:ILE:HG22	1.97	0.46
1:C:28:ASP:OD1	1:C:35:MET:HE1	2.14	0.46
1:C:300:LEU:CG	1:C:301:LEU:N	2.78	0.46
1:C:365:TYR:CE2	1:C:401:VAL:O	2.68	0.46
1:D:301:LEU:CD1	1:D:328:ALA:CB	2.93	0.46
1:D:376:PRO:HG2	1:D:470:HIS:CD2	2.49	0.46
1:D:1074:UNK:CB	1:D:1095:UNK:CA	2.93	0.46
1:D:1160:UNK:CB	1:D:1164:UNK:CB	2.93	0.46
1:E:8:HIS:HB3	1:E:95:GLU:CG	2.41	0.46
1:E:32:VAL:C	1:E:36:PRO:CD	2.80	0.46
1:E:48:ILE:HG12	1:E:61:LEU:CB	2.45	0.46
1:E:222:HIS:CD2	1:F:201:TYR:CB	2.98	0.46
1:E:368:MET:CB	1:E:390:TRP:CE2	2.94	0.46
1:E:384:ILE:CG2	1:E:463:LEU:HD22	2.39	0.46
1:E:385:LEU:CD1	1:E:466:TYR:HB3	2.45	0.46
1:E:462:TYR:CD1	1:E:467:PHE:CB	2.98	0.46
1:E:1160:UNK:CB	1:E:1164:UNK:CB	2.93	0.46
1:F:323:ARG:HA	1:F:326:ILE:HG22	1.97	0.46
1:F:376:PRO:HG2	1:F:470:HIS:CD2	2.49	0.46
1:F:489:MET:O	1:F:573:ILE:HG13	2.14	0.46
1:F:495:ARG:CB	1:F:561:LEU:HD11	2.45	0.46
1:F:1052:UNK:CB	1:F:1068:UNK:CB	2.93	0.46
1:G:228:LEU:HD23	1:G:228:LEU:C	2.34	0.46
1:G:326:ILE:HD13	1:G:326:ILE:C	2.35	0.46
1:G:377:PRO:HA	1:G:422:ILE:HD11	1.95	0.46
1:G:483:ARG:HE	1:G:527:TYR:HB2	1.79	0.46
1:G:483:ARG:O	1:G:487:PHE:HD1	1.98	0.46
1:H:1:MET:HE1	1:H:65:LEU:HD11	1.97	0.46
1:H:148:LEU:HD22	1:H:264:LEU:HD13	1.96	0.46
1:H:276:SER:HB3	1:H:282:HIS:CB	2.45	0.46
1:H:322:ARG:HH21	1:H:349:LEU:HD11	1.79	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:491:PHE:HA	1:H:576:GLU:CG	2.36	0.46
1:I:37:LYS:CD	1:I:39:ILE:HB	2.44	0.46
1:I:222:HIS:CD2	1:P:201:TYR:CB	2.98	0.46
1:I:376:PRO:HG2	1:I:470:HIS:CD2	2.49	0.46
1:I:385:LEU:CD1	1:I:466:TYR:HB3	2.45	0.46
1:I:435:ASN:CG	1:I:439:LEU:HD11	2.35	0.46
1:I:1160:UNK:CB	1:I:1164:UNK:CB	2.93	0.46
1:J:8:HIS:HB3	1:J:95:GLU:CG	2.41	0.46
1:J:35:MET:O	1:J:40:LEU:N	2.45	0.46
1:J:88:LEU:H	1:J:88:LEU:CD2	2.26	0.46
1:J:193:LEU:CD2	1:J:224:ILE:HD12	2.41	0.46
1:J:201:TYR:CB	1:K:222:HIS:CD2	2.98	0.46
1:J:301:LEU:CD1	1:J:328:ALA:CB	2.93	0.46
1:J:365:TYR:CE2	1:J:401:VAL:O	2.68	0.46
1:J:473:HIS:HA	1:J:527:TYR:CE1	2.49	0.46
1:J:1160:UNK:CB	1:J:1164:UNK:CB	2.93	0.46
1:K:7:GLU:CG	1:K:110:ARG:HH21	2.29	0.46
1:K:369:PHE:CZ	1:K:427:LEU:CD2	2.94	0.46
1:K:559:THR:CG2	1:K:1037:UNK:C	2.93	0.46
1:L:7:GLU:CG	1:L:110:ARG:HH21	2.29	0.46
1:L:32:VAL:C	1:L:36:PRO:CD	2.80	0.46
1:L:51:SER:HB3	1:L:56:SER:HB3	1.96	0.46
1:L:256:PHE:CE2	1:L:262:ILE:CB	2.93	0.46
1:L:489:MET:O	1:L:573:ILE:HG13	2.14	0.46
1:M:256:PHE:HE2	1:M:262:ILE:CB	2.26	0.46
1:M:301:LEU:CD1	1:M:328:ALA:CB	2.93	0.46
1:M:326:ILE:HD13	1:M:326:ILE:C	2.35	0.46
1:M:564:ILE:O	1:M:567:MET:HE3	2.15	0.46
1:M:1052:UNK:CB	1:M:1068:UNK:CB	2.93	0.46
1:N:276:SER:HB3	1:N:282:HIS:CB	2.45	0.46
1:N:326:ILE:HD13	1:N:326:ILE:C	2.35	0.46
1:N:437:TYR:CE1	1:N:440:HIS:CD2	3.03	0.46
1:O:201:TYR:CB	1:P:222:HIS:CD2	2.98	0.46
1:O:323:ARG:HA	1:O:326:ILE:HG22	1.97	0.46
1:O:483:ARG:HE	1:O:527:TYR:HB2	1.79	0.46
1:P:357:LEU:HG	1:P:366:ARG:HD3	1.94	0.46
1:P:359:VAL:HG12	1:P:360:LEU:HD12	1.92	0.46
1:P:495:ARG:CB	1:P:561:LEU:HD11	2.45	0.46
1:P:543:LEU:HD23	1:P:543:LEU:C	2.34	0.46
1:A:5:THR:HG23	1:A:73:VAL:HG21	1.97	0.46
1:A:7:GLU:CG	1:A:110:ARG:HH21	2.29	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:52:LYS:HB2	1:A:52:LYS:HZ3	1.79	0.46
1:A:301:LEU:CD1	1:A:328:ALA:CB	2.93	0.46
1:A:365:TYR:CE2	1:A:401:VAL:O	2.68	0.46
1:A:519:GLN:O	1:A:522:LYS:HB2	2.15	0.46
1:A:999:UNK:C	1:A:1020:UNK:CA	2.94	0.46
1:B:7:GLU:CG	1:B:110:ARG:HH21	2.29	0.46
1:B:51:SER:HB3	1:B:56:SER:HB3	1.96	0.46
1:B:543:LEU:HD23	1:B:543:LEU:C	2.34	0.46
1:B:1052:UNK:CB	1:B:1068:UNK:CB	2.93	0.46
1:C:7:GLU:CG	1:C:110:ARG:HH21	2.29	0.46
1:C:222:HIS:CD2	1:D:201:TYR:CB	2.98	0.46
1:C:353:ILE:CD1	1:C:426:TYR:HE2	2.13	0.46
1:C:369:PHE:CZ	1:C:427:LEU:CD2	2.94	0.46
1:C:462:TYR:CD1	1:C:467:PHE:CB	2.98	0.46
1:C:559:THR:CG2	1:C:1037:UNK:C	2.93	0.46
1:D:88:LEU:H	1:D:88:LEU:CD2	2.26	0.46
1:D:105:MET:HE2	1:D:106:TYR:CE1	2.50	0.46
1:D:179:PHE:HD1	1:D:242:LEU:HD21	1.79	0.46
1:D:193:LEU:CD2	1:D:224:ILE:HD12	2.41	0.46
1:D:204:ASP:O	1:D:208:THR:HG21	2.14	0.46
1:D:222:HIS:CD2	1:E:201:TYR:CB	2.98	0.46
1:D:300:LEU:CG	1:D:301:LEU:N	2.78	0.46
1:D:365:TYR:CE2	1:D:401:VAL:O	2.68	0.46
1:D:443:ILE:CG1	1:D:478:ILE:HG22	2.41	0.46
1:E:37:LYS:CD	1:E:39:ILE:HB	2.44	0.46
1:E:276:SER:HB3	1:E:282:HIS:HB2	1.97	0.46
1:E:353:ILE:O	1:E:356:SER:HB3	2.16	0.46
1:E:365:TYR:CE2	1:E:401:VAL:O	2.68	0.46
1:F:35:MET:SD	1:F:48:ILE:HD13	2.55	0.46
1:F:48:ILE:HG12	1:F:61:LEU:CB	2.45	0.46
1:F:180:TRP:CH2	1:F:243:VAL:HG11	2.50	0.46
1:F:222:HIS:CD2	1:G:201:TYR:CB	2.98	0.46
1:F:357:LEU:HG	1:F:366:ARG:HD3	1.94	0.46
1:F:365:TYR:CE2	1:F:401:VAL:O	2.68	0.46
1:F:1020:UNK:C	1:F:1049:UNK:O	2.63	0.46
1:G:8:HIS:CD2	1:G:103:THR:CG2	2.98	0.46
1:G:1074:UNK:CB	1:G:1095:UNK:CA	2.93	0.46
1:G:1160:UNK:CB	1:G:1164:UNK:CB	2.93	0.46
1:H:120:PHE:CD1	1:H:122:LYS:N	2.83	0.46
1:H:256:PHE:CE2	1:H:262:ILE:CB	2.93	0.46
1:H:353:ILE:O	1:H:356:SER:HB3	2.16	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:450:PRO:HG2	1:H:471:ILE:HD11	1.94	0.46
1:H:483:ARG:O	1:H:487:PHE:HD1	1.98	0.46
1:I:35:MET:SD	1:I:48:ILE:HD13	2.55	0.46
1:I:201:TYR:CB	1:J:222:HIS:CD2	2.98	0.46
1:I:276:SER:HB3	1:I:282:HIS:HB2	1.97	0.46
1:I:443:ILE:CG1	1:I:478:ILE:HG22	2.41	0.46
1:J:105:MET:HE2	1:J:106:TYR:CE1	2.50	0.46
1:K:148:LEU:HD22	1:K:264:LEU:HD13	1.96	0.46
1:K:300:LEU:CG	1:K:301:LEU:N	2.78	0.46
1:K:349:LEU:HD12	1:K:349:LEU:H	1.80	0.46
1:K:353:ILE:CD1	1:K:426:TYR:HE2	2.13	0.46
1:K:361:GLU:CG	1:K:365:TYR:CD1	2.95	0.46
1:K:488:ARG:CA	1:K:491:PHE:H	2.18	0.46
1:K:510:ALA:HB2	1:K:647:UNK:O	2.15	0.46
1:L:69:GLN:HE21	1:L:72:MET:H	1.62	0.46
1:L:300:LEU:CG	1:L:301:LEU:N	2.78	0.46
1:L:483:ARG:HE	1:L:527:TYR:HB2	1.79	0.46
1:L:543:LEU:HD23	1:L:543:LEU:C	2.34	0.46
1:L:1052:UNK:CB	1:L:1068:UNK:CB	2.93	0.46
1:M:5:THR:HG23	1:M:73:VAL:HG21	1.97	0.46
1:M:7:GLU:CG	1:M:110:ARG:HH21	2.29	0.46
1:M:365:TYR:CE2	1:M:401:VAL:O	2.68	0.46
1:M:483:ARG:O	1:M:487:PHE:HD1	1.98	0.46
1:M:519:GLN:O	1:M:522:LYS:HB2	2.15	0.46
1:M:999:UNK:C	1:M:1020:UNK:CA	2.94	0.46
1:N:120:PHE:CD1	1:N:122:LYS:N	2.83	0.46
1:N:144:ALA:HA	1:N:261:LYS:CB	2.39	0.46
1:N:300:LEU:CG	1:N:301:LEU:N	2.78	0.46
1:N:391:PHE:CD1	1:N:398:VAL:CG1	2.93	0.46
1:N:559:THR:CG2	1:N:1037:UNK:CA	2.93	0.46
1:O:301:LEU:HG	1:O:305:LEU:HD12	1.96	0.46
1:O:326:ILE:HD13	1:O:326:ILE:C	2.35	0.46
1:O:357:LEU:HB2	1:O:430:LYS:NZ	2.30	0.46
1:O:559:THR:CG2	1:O:1037:UNK:CA	2.93	0.46
1:O:1074:UNK:CB	1:O:1095:UNK:CA	2.93	0.46
1:O:1160:UNK:CB	1:O:1164:UNK:CB	2.93	0.46
1:P:7:GLU:CG	1:P:110:ARG:HH21	2.29	0.46
1:P:35:MET:SD	1:P:48:ILE:HD13	2.55	0.46
1:P:193:LEU:HD23	1:P:193:LEU:HA	1.78	0.46
1:P:349:LEU:HD12	1:P:349:LEU:H	1.80	0.46
1:P:428:GLU:HA	1:P:431:VAL:HG22	1.97	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:508:TRP:CD1	1:P:509:ASN:N	2.82	0.46
1:P:519:GLN:O	1:P:522:LYS:HB2	2.15	0.46
1:P:1052:UNK:CB	1:P:1068:UNK:CB	2.93	0.46
1:A:8:HIS:CD2	1:A:103:THR:CG2	2.98	0.46
1:A:20:GLU:HB3	1:A:23:PHE:HD2	1.81	0.46
1:A:35:MET:SD	1:A:48:ILE:HD13	2.55	0.46
1:A:40:LEU:CG	1:A:64:THR:HG21	2.33	0.46
1:A:120:PHE:CZ	1:A:122:LYS:CD	2.98	0.46
1:A:276:SER:HB3	1:A:282:HIS:CB	2.45	0.46
1:A:538:LEU:CD1	1:A:572:ALA:HB3	2.42	0.46
1:A:564:ILE:O	1:A:567:MET:HE3	2.15	0.46
1:B:35:MET:SD	1:B:48:ILE:HD13	2.55	0.46
1:B:69:GLN:HE21	1:B:72:MET:H	1.62	0.46
1:B:1160:UNK:CB	1:B:1164:UNK:CB	2.93	0.46
1:C:8:HIS:CD2	1:C:103:THR:CG2	2.98	0.46
1:C:148:LEU:HD22	1:C:264:LEU:HD13	1.96	0.46
1:C:349:LEU:HD12	1:C:349:LEU:H	1.80	0.46
1:C:510:ALA:HB2	1:C:647:UNK:O	2.15	0.46
1:D:35:MET:O	1:D:40:LEU:N	2.45	0.46
1:D:69:GLN:HE21	1:D:72:MET:H	1.62	0.46
1:D:429:LEU:HA	1:D:432:LYS:NZ	2.30	0.46
1:E:35:MET:SD	1:E:48:ILE:HD13	2.55	0.46
1:F:7:GLU:CG	1:F:110:ARG:HH21	2.29	0.46
1:F:65:LEU:HD12	1:F:72:MET:CG	2.46	0.46
1:F:256:PHE:HE2	1:F:262:ILE:CB	2.26	0.46
1:F:349:LEU:HD12	1:F:349:LEU:H	1.80	0.46
1:F:508:TRP:CD1	1:F:509:ASN:N	2.82	0.46
1:F:519:GLN:O	1:F:522:LYS:HB2	2.15	0.46
1:F:559:THR:CG2	1:F:1037:UNK:CA	2.93	0.46
1:F:1018:UNK:CB	1:F:1020:UNK:CB	2.94	0.46
1:G:148:LEU:HD22	1:G:148:LEU:HA	1.63	0.46
1:G:186:CYS:CB	1:G:249:ASN:HB3	2.44	0.46
1:G:495:ARG:CB	1:G:561:LEU:HD11	2.45	0.46
1:G:559:THR:CG2	1:G:1037:UNK:CA	2.93	0.46
1:G:999:UNK:C	1:G:1020:UNK:CA	2.94	0.46
1:H:5:THR:HG23	1:H:73:VAL:HG21	1.97	0.46
1:H:37:LYS:CD	1:H:39:ILE:HB	2.44	0.46
1:H:64:THR:HG23	1:H:65:LEU:N	2.31	0.46
1:H:144:ALA:HA	1:H:261:LYS:CB	2.39	0.46
1:H:300:LEU:CG	1:H:301:LEU:N	2.78	0.46
1:H:414:GLN:HA	1:H:415:PRO:HD2	1.78	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:437:TYR:CE1	1:H:440:HIS:CD2	3.03	0.46
1:H:510:ALA:HB2	1:H:647:UNK:O	2.15	0.46
1:H:559:THR:CG2	1:H:1037:UNK:CA	2.93	0.46
1:H:1074:UNK:CB	1:H:1095:UNK:CA	2.93	0.46
1:I:32:VAL:C	1:I:36:PRO:CD	2.80	0.46
1:I:48:ILE:HG12	1:I:61:LEU:CB	2.45	0.46
1:I:300:LEU:CG	1:I:301:LEU:N	2.78	0.46
1:I:326:ILE:HD13	1:I:326:ILE:C	2.35	0.46
1:I:353:ILE:O	1:I:356:SER:HB3	2.16	0.46
1:I:365:TYR:CE2	1:I:401:VAL:O	2.68	0.46
1:I:437:TYR:CE1	1:I:440:HIS:CD2	3.03	0.46
1:I:538:LEU:CD1	1:I:572:ALA:CB	2.93	0.46
1:J:276:SER:HB3	1:J:282:HIS:CB	2.45	0.46
1:J:376:PRO:HG2	1:J:470:HIS:CD2	2.49	0.46
1:K:8:HIS:CD2	1:K:103:THR:CG2	2.98	0.46
1:K:120:PHE:CD1	1:K:122:LYS:N	2.83	0.46
1:K:462:TYR:CD1	1:K:467:PHE:CB	2.98	0.46
1:K:1020:UNK:C	1:K:1049:UNK:O	2.63	0.46
1:L:35:MET:SD	1:L:48:ILE:HD13	2.55	0.46
1:L:483:ARG:O	1:L:487:PHE:HD1	1.98	0.46
1:L:1160:UNK:CB	1:L:1164:UNK:CB	2.93	0.46
1:M:8:HIS:CD2	1:M:103:THR:CG2	2.98	0.46
1:M:20:GLU:HB3	1:M:23:PHE:HD2	1.81	0.46
1:M:120:PHE:CZ	1:M:122:LYS:CD	2.98	0.46
1:M:276:SER:HB3	1:M:282:HIS:CB	2.45	0.46
1:M:325:SER:OG	3:M:1402:DTP:H1'	2.15	0.46
1:N:5:THR:HG23	1:N:73:VAL:HG21	1.97	0.46
1:N:37:LYS:CD	1:N:39:ILE:HB	2.44	0.46
1:N:148:LEU:HD22	1:N:264:LEU:HD13	1.96	0.46
1:N:322:ARG:HH21	1:N:349:LEU:HD11	1.79	0.46
1:N:353:ILE:O	1:N:356:SER:HB3	2.16	0.46
1:N:483:ARG:O	1:N:487:PHE:HD1	1.98	0.46
1:N:510:ALA:HB2	1:N:647:UNK:O	2.15	0.46
1:O:5:THR:HG23	1:O:73:VAL:HG21	1.97	0.46
1:O:8:HIS:CD2	1:O:103:THR:CG2	2.98	0.46
1:O:35:MET:O	1:O:40:LEU:N	2.45	0.46
1:O:161:ALA:HB3	1:O:180:TRP:HH2	1.78	0.46
1:O:228:LEU:HD23	1:O:228:LEU:C	2.34	0.46
1:O:999:UNK:C	1:O:1020:UNK:CA	2.94	0.46
1:P:48:ILE:HG12	1:P:61:LEU:CB	2.45	0.46
1:P:65:LEU:HD12	1:P:72:MET:CG	2.46	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:180:TRP:CH2	1:P:243:VAL:HG11	2.50	0.46
1:P:365:TYR:CE2	1:P:401:VAL:O	2.68	0.46
1:P:559:THR:CG2	1:P:1037:UNK:CA	2.93	0.46
1:A:2:ASP:HB2	1:A:97:ARG:NH2	2.31	0.46
1:A:256:PHE:HE2	1:A:262:ILE:CB	2.26	0.46
1:A:325:SER:OG	3:A:1402:DTP:H1'	2.15	0.46
1:A:393:VAL:HG12	1:A:394:ILE:H	1.81	0.46
1:A:559:THR:CG2	1:A:1037:UNK:C	2.93	0.46
1:B:48:ILE:HG12	1:B:61:LEU:CB	2.45	0.46
1:B:256:PHE:CE2	1:B:262:ILE:CB	2.93	0.46
1:B:483:ARG:O	1:B:487:PHE:HD1	1.98	0.46
1:B:559:THR:CG2	1:B:1037:UNK:C	2.93	0.46
1:B:578:HIS:C	1:B:581:VAL:HG13	2.35	0.46
1:C:120:PHE:CD1	1:C:122:LYS:N	2.83	0.46
1:C:320:ASN:HA	1:C:321:PRO:HD3	1.71	0.46
1:C:386:LEU:HG	1:C:420:ILE:CD1	2.45	0.46
1:C:999:UNK:C	1:C:1020:UNK:CA	2.94	0.46
1:C:1020:UNK:C	1:C:1049:UNK:O	2.63	0.46
1:D:10:TYR:HE1	1:D:167:SER:O	1.98	0.46
1:D:27:PHE:HB2	1:D:30:LYS:CE	2.46	0.46
1:D:48:ILE:HG12	1:D:61:LEU:CB	2.45	0.46
1:D:48:ILE:O	1:D:48:ILE:HG22	2.16	0.46
1:D:179:PHE:CZ	1:D:237:TYR:HE1	2.34	0.46
1:D:276:SER:HB3	1:D:282:HIS:CB	2.45	0.46
1:D:519:GLN:O	1:D:522:LYS:HB2	2.15	0.46
1:D:978:UNK:CB	1:D:981:UNK:CB	2.94	0.46
1:E:5:THR:HG23	1:E:73:VAL:HG21	1.97	0.46
1:E:55:VAL:CG1	1:E:132:LEU:HD11	2.39	0.46
1:E:268:PHE:CE2	1:E:270:GLN:CB	2.89	0.46
1:E:300:LEU:CG	1:E:301:LEU:N	2.78	0.46
1:E:326:ILE:HD13	1:E:326:ILE:C	2.35	0.46
1:E:369:PHE:CZ	1:E:427:LEU:CD2	2.94	0.46
1:E:437:TYR:CE1	1:E:440:HIS:CD2	3.03	0.46
1:F:81:LEU:HA	1:F:89:MET:HE2	1.97	0.46
1:F:301:LEU:CD1	1:F:328:ALA:HB2	2.45	0.46
1:F:428:GLU:HA	1:F:431:VAL:HG22	1.97	0.46
1:F:483:ARG:O	1:F:487:PHE:HD1	1.98	0.46
1:G:5:THR:HG23	1:G:73:VAL:HG21	1.97	0.46
1:G:301:LEU:HG	1:G:305:LEU:HD12	1.96	0.46
1:G:301:LEU:CD2	1:G:324:LEU:HD21	2.39	0.46
1:G:349:LEU:HD12	1:G:349:LEU:H	1.80	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:357:LEU:HB2	1:G:430:LYS:NZ	2.30	0.46
1:G:365:TYR:CE2	1:G:401:VAL:O	2.68	0.46
1:H:56:SER:CA	1:H:128:LEU:CD2	2.94	0.46
1:H:357:LEU:HB2	1:H:430:LYS:NZ	2.30	0.46
1:H:365:TYR:CE2	1:H:401:VAL:O	2.68	0.46
1:I:5:THR:HG23	1:I:73:VAL:HG21	1.97	0.46
1:I:8:HIS:HB3	1:I:95:GLU:CG	2.41	0.46
1:J:48:ILE:O	1:J:48:ILE:HG22	2.16	0.46
1:J:179:PHE:CZ	1:J:237:TYR:HE1	2.34	0.46
1:J:204:ASP:O	1:J:208:THR:HG21	2.14	0.46
1:J:300:LEU:CG	1:J:301:LEU:N	2.78	0.46
1:J:429:LEU:HA	1:J:432:LYS:NZ	2.30	0.46
1:J:519:GLN:O	1:J:522:LYS:HB2	2.15	0.46
1:J:978:UNK:CB	1:J:981:UNK:CB	2.94	0.46
1:K:276:SER:HB3	1:K:282:HIS:CB	2.45	0.46
1:K:386:LEU:HG	1:K:420:ILE:CD1	2.45	0.46
1:K:484:MET:HA	1:K:489:MET:HE1	1.91	0.46
1:L:12:TYR:CZ	1:L:15:ILE:CD1	2.93	0.46
1:L:276:SER:HB3	1:L:282:HIS:CB	2.45	0.46
1:L:414:GLN:HA	1:L:415:PRO:HD2	1.78	0.46
1:L:462:TYR:CD1	1:L:467:PHE:CB	2.98	0.46
1:L:519:GLN:CG	1:L:523:PHE:CZ	2.94	0.46
1:L:559:THR:CG2	1:L:1037:UNK:C	2.93	0.46
1:M:35:MET:SD	1:M:48:ILE:HD13	2.55	0.46
1:M:122:LYS:CB	1:M:304:TYR:CD2	2.95	0.46
1:M:353:ILE:HG23	1:M:430:LYS:HD2	1.91	0.46
1:M:559:THR:CG2	1:M:1037:UNK:C	2.93	0.46
1:N:56:SER:CA	1:N:128:LEU:CD2	2.94	0.46
1:N:64:THR:HG23	1:N:65:LEU:N	2.31	0.46
1:N:357:LEU:HB2	1:N:430:LYS:NZ	2.30	0.46
1:N:365:TYR:CE2	1:N:401:VAL:O	2.68	0.46
1:N:495:ARG:NE	1:N:561:LEU:HD12	2.21	0.46
1:N:1074:UNK:CB	1:N:1095:UNK:CA	2.93	0.46
1:O:120:PHE:CD1	1:O:122:LYS:N	2.83	0.46
1:O:125:VAL:CG2	1:O:297:VAL:HA	2.44	0.46
1:O:1052:UNK:CB	1:O:1068:UNK:CB	2.93	0.46
1:P:193:LEU:CD2	1:P:221:ILE:HA	2.32	0.46
1:P:403:ASN:HA	1:P:406:HIS:HB2	1.98	0.46
1:P:1018:UNK:CB	1:P:1020:UNK:CB	2.94	0.46
1:P:1020:UNK:C	1:P:1049:UNK:O	2.63	0.46
1:A:9:GLN:HB3	1:A:62:PHE:CE1	2.51	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:56:SER:CA	1:A:128:LEU:CD2	2.94	0.46
1:A:338:TRP:O	1:A:342:LYS:HB2	2.16	0.46
1:A:353:ILE:HG23	1:A:430:LYS:HD2	1.91	0.46
1:A:429:LEU:HA	1:A:432:LYS:NZ	2.30	0.46
1:A:447:TYR:CD1	1:A:482:GLU:HG2	2.51	0.46
1:B:28:ASP:C	1:B:31:ASP:HB2	2.36	0.46
1:B:32:VAL:O	1:B:36:PRO:HD2	2.03	0.46
1:B:124:ASN:HB3	3:B:1402:DTP:N6	2.29	0.46
1:B:276:SER:HB3	1:B:282:HIS:CB	2.45	0.46
1:B:393:VAL:HG12	1:B:394:ILE:H	1.81	0.46
1:B:462:TYR:CD1	1:B:467:PHE:CB	2.98	0.46
1:B:1018:UNK:CB	1:B:1020:UNK:CB	2.94	0.46
1:C:10:TYR:HE1	1:C:167:SER:O	1.98	0.46
1:C:35:MET:SD	1:C:48:ILE:HD13	2.55	0.46
1:C:276:SER:HB3	1:C:282:HIS:CB	2.45	0.46
1:C:361:GLU:CG	1:C:365:TYR:CD1	2.95	0.46
1:C:519:GLN:O	1:C:522:LYS:HB2	2.15	0.46
1:D:32:VAL:C	1:D:36:PRO:CD	2.80	0.46
1:D:353:ILE:O	1:D:356:SER:HB3	2.16	0.46
1:D:416:LYS:CG	1:D:417:GLU:H	2.21	0.46
1:D:492:LEU:HD23	1:D:492:LEU:HA	1.46	0.46
1:D:538:LEU:CD1	1:D:572:ALA:CB	2.93	0.46
1:E:90:SER:HB3	1:E:91:PRO:HD3	1.98	0.46
1:E:203:ILE:HG23	1:E:204:ASP:N	2.31	0.46
1:E:403:ASN:HA	1:E:406:HIS:HB2	1.98	0.46
1:E:1018:UNK:CB	1:E:1020:UNK:CB	2.94	0.46
1:E:1048:UNK:CB	1:E:1067:UNK:CB	2.94	0.46
1:F:27:PHE:HB2	1:F:30:LYS:CE	2.46	0.46
1:F:37:LYS:CD	1:F:39:ILE:HB	2.44	0.46
1:F:179:PHE:CZ	1:F:237:TYR:HE1	2.34	0.46
1:F:193:LEU:CD2	1:F:221:ILE:HA	2.32	0.46
1:F:403:ASN:HA	1:F:406:HIS:HB2	1.98	0.46
1:F:450:PRO:HG2	1:F:471:ILE:HD11	1.94	0.46
1:F:462:TYR:CD1	1:F:467:PHE:CB	2.98	0.46
1:F:538:LEU:CD1	1:F:572:ALA:CB	2.93	0.46
1:F:875:UNK:CB	1:F:906:UNK:CB	2.93	0.46
1:F:1165:UNK:CB	1:F:1202:UNK:CB	2.94	0.46
1:G:12:TYR:CZ	1:G:15:ILE:CD1	2.93	0.46
1:G:27:PHE:HB2	1:G:30:LYS:CE	2.46	0.46
1:G:35:MET:O	1:G:40:LEU:N	2.45	0.46
1:G:56:SER:CA	1:G:128:LEU:CD2	2.94	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:120:PHE:CD1	1:G:122:LYS:N	2.83	0.46
1:G:125:VAL:CG2	1:G:297:VAL:HA	2.44	0.46
1:G:1018:UNK:CB	1:G:1020:UNK:CB	2.94	0.46
1:G:1052:UNK:CB	1:G:1068:UNK:CB	2.93	0.46
1:H:7:GLU:CG	1:H:110:ARG:HH21	2.29	0.46
1:H:391:PHE:CD1	1:H:398:VAL:CG1	2.93	0.46
1:H:475:LEU:O	1:H:478:ILE:HG12	2.16	0.46
1:H:478:ILE:HG13	1:H:479:GLU:H	1.76	0.46
1:H:483:ARG:HE	1:H:527:TYR:HB2	1.79	0.46
1:H:629:UNK:CB	1:H:644:UNK:CB	2.94	0.46
1:H:1165:UNK:CB	1:H:1202:UNK:CB	2.94	0.46
1:I:90:SER:HB3	1:I:91:PRO:HD3	1.98	0.46
1:I:203:ILE:HG23	1:I:204:ASP:N	2.31	0.46
1:I:384:ILE:CG2	1:I:463:LEU:HD22	2.39	0.46
1:I:403:ASN:HA	1:I:406:HIS:HB2	1.98	0.46
1:I:1018:UNK:CB	1:I:1020:UNK:CB	2.94	0.46
1:I:1048:UNK:CB	1:I:1067:UNK:CB	2.94	0.46
1:J:10:TYR:HE1	1:J:167:SER:O	1.98	0.46
1:J:27:PHE:HB2	1:J:30:LYS:CE	2.46	0.46
1:J:48:ILE:HG12	1:J:61:LEU:CB	2.45	0.46
1:J:148:LEU:HD22	1:J:264:LEU:HD13	1.96	0.46
1:J:179:PHE:HD1	1:J:242:LEU:HD21	1.79	0.46
1:J:353:ILE:O	1:J:356:SER:HB3	2.16	0.46
1:J:510:ALA:HB2	1:J:647:UNK:O	2.15	0.46
1:K:35:MET:SD	1:K:48:ILE:HD13	2.55	0.46
1:K:48:ILE:O	1:K:48:ILE:HG22	2.16	0.46
1:K:64:THR:HG23	1:K:65:LEU:N	2.31	0.46
1:K:201:TYR:CB	1:L:222:HIS:CD2	2.98	0.46
1:K:320:ASN:HA	1:K:321:PRO:HD3	1.71	0.46
1:K:629:UNK:CB	1:K:644:UNK:CB	2.94	0.46
1:K:999:UNK:C	1:K:1020:UNK:CA	2.94	0.46
1:L:32:VAL:O	1:L:36:PRO:HD2	2.03	0.46
1:L:48:ILE:HG12	1:L:61:LEU:CB	2.45	0.46
1:L:64:THR:HG23	1:L:65:LEU:N	2.31	0.46
1:L:110:ARG:CG	1:L:114:TYR:CE2	2.95	0.46
1:L:193:LEU:CD2	1:L:224:ILE:HD12	2.41	0.46
1:L:368:MET:CB	1:L:390:TRP:CE2	2.94	0.46
1:L:393:VAL:HG12	1:L:394:ILE:H	1.81	0.46
1:L:1018:UNK:CB	1:L:1020:UNK:CB	2.94	0.46
1:M:2:ASP:HB2	1:M:97:ARG:NH2	2.31	0.46
1:M:9:GLN:HB3	1:M:62:PHE:CE1	2.51	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:56:SER:CA	1:M:128:LEU:CD2	2.94	0.46
1:M:123:TYR:CG	1:M:303:LYS:CB	2.95	0.46
1:M:338:TRP:O	1:M:342:LYS:HB2	2.16	0.46
1:M:393:VAL:HG12	1:M:394:ILE:H	1.81	0.46
1:M:429:LEU:HA	1:M:432:LYS:NZ	2.30	0.46
1:M:447:TYR:CD1	1:M:482:GLU:HG2	2.51	0.46
1:M:475:LEU:O	1:M:478:ILE:HG12	2.16	0.46
1:N:325:SER:OG	3:N:1402:DTP:H1'	2.15	0.46
1:N:475:LEU:O	1:N:478:ILE:HG12	2.16	0.46
1:N:629:UNK:CB	1:N:644:UNK:CB	2.94	0.46
1:N:1165:UNK:CB	1:N:1202:UNK:CB	2.94	0.46
1:O:2:ASP:HB2	1:O:97:ARG:NH2	2.31	0.46
1:O:12:TYR:CZ	1:O:15:ILE:CD1	2.93	0.46
1:O:27:PHE:HB2	1:O:30:LYS:CE	2.46	0.46
1:O:56:SER:CA	1:O:128:LEU:CD2	2.94	0.46
1:O:301:LEU:CD2	1:O:324:LEU:HD21	2.39	0.46
1:O:349:LEU:HD12	1:O:349:LEU:H	1.80	0.46
1:O:365:TYR:CE2	1:O:401:VAL:O	2.68	0.46
1:O:495:ARG:CB	1:O:561:LEU:HD11	2.45	0.46
1:O:1018:UNK:CB	1:O:1020:UNK:CB	2.94	0.46
1:P:27:PHE:HB2	1:P:30:LYS:CE	2.46	0.46
1:P:123:TYR:CG	1:P:303:LYS:CB	2.95	0.46
1:P:301:LEU:CD1	1:P:328:ALA:HB2	2.45	0.46
1:P:385:LEU:CD1	1:P:466:TYR:HB3	2.45	0.46
1:P:538:LEU:CD1	1:P:572:ALA:CB	2.93	0.46
1:P:875:UNK:CB	1:P:906:UNK:CB	2.93	0.46
1:P:1165:UNK:CB	1:P:1202:UNK:CB	2.94	0.46
1:A:120:PHE:CD1	1:A:122:LYS:N	2.83	0.46
1:A:122:LYS:CB	1:A:304:TYR:CD2	2.95	0.46
1:A:175:ASP:OD1	1:A:240:CYS:HA	2.16	0.46
1:A:369:PHE:CZ	1:A:427:LEU:CD2	2.94	0.46
1:A:475:LEU:O	1:A:478:ILE:HG12	2.16	0.46
1:B:12:TYR:CZ	1:B:15:ILE:CD1	2.93	0.46
1:B:64:THR:HG23	1:B:65:LEU:N	2.31	0.46
1:B:175:ASP:OD1	1:B:240:CYS:HA	2.16	0.46
1:B:186:CYS:HB2	1:B:249:ASN:HB2	1.97	0.46
1:B:222:HIS:CD2	1:C:201:TYR:CB	2.98	0.46
1:B:368:MET:CB	1:B:390:TRP:CE2	2.94	0.46
1:B:386:LEU:HG	1:B:420:ILE:CD1	2.45	0.46
1:B:428:GLU:HG2	1:B:432:LYS:HZ3	1.80	0.46
1:B:475:LEU:O	1:B:478:ILE:HG12	2.16	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:629:UNK:CB	1:B:644:UNK:CB	2.94	0.46
1:B:1048:UNK:CB	1:B:1067:UNK:CB	2.94	0.46
1:C:48:ILE:O	1:C:48:ILE:HG22	2.16	0.46
1:C:64:THR:HG23	1:C:65:LEU:N	2.31	0.46
1:C:325:SER:OG	3:C:1402:DTP:H1'	2.15	0.46
1:C:353:ILE:O	1:C:356:SER:HB3	2.16	0.46
1:C:484:MET:HA	1:C:489:MET:HE1	1.91	0.46
1:C:629:UNK:CB	1:C:644:UNK:CB	2.94	0.46
1:D:9:GLN:HB3	1:D:62:PHE:CE1	2.51	0.46
1:D:55:VAL:CG1	1:D:132:LEU:HD11	2.39	0.46
1:D:90:SER:HB3	1:D:91:PRO:HD3	1.98	0.46
1:D:148:LEU:HD22	1:D:264:LEU:HD13	1.96	0.46
1:D:268:PHE:CD2	1:D:271:VAL:N	2.84	0.46
1:D:386:LEU:HG	1:D:420:ILE:CD1	2.45	0.46
1:D:875:UNK:CB	1:D:906:UNK:CB	2.93	0.46
1:D:1048:UNK:CB	1:D:1067:UNK:CB	2.94	0.46
1:E:10:TYR:HE1	1:E:167:SER:O	1.98	0.46
1:E:27:PHE:HB2	1:E:30:LYS:CE	2.46	0.46
1:E:278:ALA:N	1:F:119:VAL:CB	2.79	0.46
1:E:301:LEU:CD2	1:E:324:LEU:HD21	2.39	0.46
1:E:508:TRP:O	1:E:648:UNK:HA	2.15	0.46
1:E:1074:UNK:CB	1:E:1095:UNK:CA	2.93	0.46
1:E:1165:UNK:CB	1:E:1202:UNK:CB	2.94	0.46
1:F:124:ASN:HB3	3:F:1402:DTP:N6	2.29	0.46
1:F:385:LEU:CD1	1:F:466:TYR:HB3	2.45	0.46
1:F:385:LEU:HD11	1:F:467:PHE:CE1	2.50	0.46
1:G:2:ASP:HB2	1:G:97:ARG:NH2	2.31	0.46
1:G:28:ASP:OD1	1:G:35:MET:HE1	2.16	0.46
1:G:48:ILE:HG12	1:G:61:LEU:CB	2.45	0.46
1:G:276:SER:HB3	1:G:282:HIS:HB2	1.97	0.46
1:G:276:SER:HB3	1:G:282:HIS:CB	2.45	0.46
1:G:385:LEU:HD11	1:G:467:PHE:CE1	2.50	0.46
1:G:564:ILE:O	1:G:567:MET:HE3	2.16	0.46
1:H:7:GLU:HG2	1:H:107:ILE:HD13	1.94	0.46
1:H:35:MET:SD	1:H:48:ILE:HD13	2.55	0.46
1:H:175:ASP:OD1	1:H:240:CYS:HA	2.16	0.46
1:H:325:SER:OG	3:H:1402:DTP:H1'	2.15	0.46
1:H:338:TRP:O	1:H:342:LYS:HB2	2.16	0.46
1:H:403:ASN:HA	1:H:406:HIS:HB2	1.98	0.46
1:H:428:GLU:HA	1:H:431:VAL:HG22	1.97	0.46
1:H:1160:UNK:CB	1:H:1164:UNK:CB	2.93	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:27:PHE:HB2	1:I:30:LYS:CE	2.46	0.46
1:I:256:PHE:HE2	1:I:262:ILE:CB	2.26	0.46
1:I:278:ALA:N	1:P:119:VAL:CB	2.79	0.46
1:I:508:TRP:O	1:I:648:UNK:HA	2.15	0.46
1:I:1165:UNK:CB	1:I:1202:UNK:CB	2.94	0.46
1:J:9:GLN:HB3	1:J:62:PHE:CE1	2.51	0.46
1:J:55:VAL:CG1	1:J:132:LEU:HD11	2.39	0.46
1:J:69:GLN:HE21	1:J:72:MET:H	1.62	0.46
1:J:386:LEU:HG	1:J:420:ILE:CD1	2.45	0.46
1:J:443:ILE:CG1	1:J:478:ILE:HG22	2.41	0.46
1:J:538:LEU:CD1	1:J:572:ALA:CB	2.93	0.46
1:J:875:UNK:CB	1:J:906:UNK:CB	2.93	0.46
1:J:1048:UNK:CB	1:J:1067:UNK:CB	2.94	0.46
1:K:10:TYR:HE1	1:K:167:SER:O	1.98	0.46
1:K:325:SER:OG	3:K:1402:DTP:H1'	2.15	0.46
1:K:353:ILE:O	1:K:356:SER:HB3	2.16	0.46
1:K:519:GLN:O	1:K:522:LYS:HB2	2.15	0.46
1:L:8:HIS:CD2	1:L:103:THR:CG2	2.98	0.46
1:L:28:ASP:C	1:L:31:ASP:HB2	2.36	0.46
1:L:123:TYR:CG	1:L:303:LYS:CB	2.95	0.46
1:L:175:ASP:OD1	1:L:240:CYS:HA	2.16	0.46
1:L:235:LYS:HB2	1:L:237:TYR:HE2	1.78	0.46
1:L:437:TYR:CE1	1:L:440:HIS:CD2	3.03	0.46
1:L:475:LEU:O	1:L:478:ILE:HG12	2.16	0.46
1:L:578:HIS:C	1:L:581:VAL:HG13	2.35	0.46
1:L:1048:UNK:CB	1:L:1067:UNK:CB	2.94	0.46
1:M:120:PHE:CD1	1:M:122:LYS:N	2.83	0.46
1:M:122:LYS:HB2	1:M:304:TYR:CG	2.50	0.46
1:M:349:LEU:HD12	1:M:349:LEU:H	1.80	0.46
1:M:538:LEU:CD1	1:M:572:ALA:HB3	2.42	0.46
1:M:1048:UNK:CB	1:M:1067:UNK:CB	2.94	0.46
1:N:7:GLU:CG	1:N:110:ARG:HH21	2.29	0.46
1:N:35:MET:SD	1:N:48:ILE:HD13	2.55	0.46
1:N:175:ASP:OD1	1:N:240:CYS:HA	2.16	0.46
1:N:201:TYR:CB	1:O:222:HIS:CD2	2.98	0.46
1:N:338:TRP:O	1:N:342:LYS:HB2	2.16	0.46
1:N:428:GLU:HA	1:N:431:VAL:HG22	1.97	0.46
1:N:484:MET:HA	1:N:489:MET:HE1	1.95	0.46
1:N:499:GLN:NE2	1:N:554:ILE:HG12	2.30	0.46
1:N:1160:UNK:CB	1:N:1164:UNK:CB	2.93	0.46
1:O:28:ASP:C	1:O:31:ASP:HB2	2.36	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:276:SER:HB3	1:O:282:HIS:CB	2.45	0.46
1:O:385:LEU:HD11	1:O:467:PHE:CE1	2.50	0.46
1:O:435:ASN:CG	1:O:439:LEU:HD11	2.35	0.46
1:O:564:ILE:O	1:O:567:MET:HE3	2.16	0.46
1:P:37:LYS:CD	1:P:39:ILE:HB	2.44	0.46
1:P:90:SER:HB3	1:P:91:PRO:HD3	1.98	0.46
1:P:179:PHE:CZ	1:P:237:TYR:HE1	2.34	0.46
1:P:259:SER:HB3	1:P:260:CYS:H	1.49	0.46
1:P:386:LEU:HG	1:P:420:ILE:CD1	2.45	0.46
1:P:462:TYR:CD1	1:P:467:PHE:CB	2.98	0.46
1:P:483:ARG:O	1:P:487:PHE:HD1	1.98	0.46
1:A:123:TYR:CG	1:A:303:LYS:CB	2.95	0.46
1:A:1048:UNK:CB	1:A:1067:UNK:CB	2.94	0.46
1:A:1160:UNK:CB	1:A:1164:UNK:CB	2.93	0.46
1:B:8:HIS:CD2	1:B:103:THR:CG2	2.98	0.46
1:B:120:PHE:HD1	1:B:122:LYS:N	2.14	0.46
1:B:278:ALA:N	1:C:119:VAL:CB	2.79	0.46
1:B:365:TYR:CE2	1:B:401:VAL:O	2.68	0.46
1:B:412:GLU:OE2	1:B:422:ILE:HA	2.14	0.46
1:B:437:TYR:CE1	1:B:440:HIS:CD2	3.03	0.46
1:B:488:ARG:CA	1:B:491:PHE:H	2.18	0.46
1:B:519:GLN:CG	1:B:523:PHE:CZ	2.94	0.46
1:C:5:THR:HG23	1:C:73:VAL:HG21	1.97	0.46
1:C:88:LEU:H	1:C:88:LEU:CD2	2.26	0.46
1:C:180:TRP:CH2	1:C:243:VAL:HG11	2.50	0.46
1:C:1018:UNK:CB	1:C:1020:UNK:CB	2.94	0.46
1:D:349:LEU:HD12	1:D:349:LEU:H	1.80	0.46
1:D:475:LEU:O	1:D:478:ILE:HG12	2.16	0.46
1:D:510:ALA:HB2	1:D:647:UNK:O	2.15	0.46
1:E:7:GLU:HG2	1:E:107:ILE:HD13	1.94	0.46
1:E:447:TYR:CD1	1:E:482:GLU:HG2	2.51	0.46
1:E:510:ALA:CB	1:E:645:UNK:O	2.64	0.46
1:F:90:SER:HB3	1:F:91:PRO:HD3	1.98	0.46
1:F:149:ILE:HG21	1:F:149:ILE:HD13	1.40	0.46
1:F:326:ILE:HD13	1:F:326:ILE:C	2.35	0.46
1:F:368:MET:CB	1:F:390:TRP:CE2	2.94	0.46
1:F:386:LEU:HG	1:F:420:ILE:CD1	2.45	0.46
1:F:447:TYR:CD1	1:F:482:GLU:HG2	2.51	0.46
1:G:28:ASP:C	1:G:31:ASP:HB2	2.36	0.46
1:G:90:SER:HB3	1:G:91:PRO:HD3	1.98	0.46
1:G:124:ASN:HB3	3:G:1402:DTP:N6	2.29	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:144:ALA:HA	1:G:261:LYS:CB	2.39	0.46
1:G:222:HIS:CD2	1:H:201:TYR:CB	2.98	0.46
1:G:1165:UNK:CB	1:G:1202:UNK:CB	2.94	0.46
1:H:60:ARG:HH21	1:H:128:LEU:HD11	1.79	0.46
1:H:149:ILE:HG21	1:H:149:ILE:HD13	1.40	0.46
1:H:203:ILE:HG23	1:H:204:ASP:N	2.31	0.46
1:H:499:GLN:NE2	1:H:554:ILE:HG12	2.30	0.46
1:H:1052:UNK:CB	1:H:1068:UNK:CB	2.93	0.46
1:I:10:TYR:HE1	1:I:167:SER:O	1.98	0.46
1:I:301:LEU:CD2	1:I:324:LEU:HD21	2.39	0.46
1:I:369:PHE:CZ	1:I:427:LEU:CD2	2.94	0.46
1:I:510:ALA:CB	1:I:645:UNK:O	2.64	0.46
1:J:35:MET:SD	1:J:48:ILE:HD13	2.55	0.46
1:J:35:MET:HE1	1:J:61:LEU:HD22	1.97	0.46
1:J:90:SER:HB3	1:J:91:PRO:HD3	1.98	0.46
1:J:268:PHE:CD2	1:J:271:VAL:N	2.84	0.46
1:J:301:LEU:CD1	1:J:328:ALA:HB2	2.45	0.46
1:J:381:ILE:HG21	1:J:381:ILE:HD13	1.61	0.46
1:K:119:VAL:CB	1:L:278:ALA:N	2.79	0.46
1:K:447:TYR:HE1	1:K:482:GLU:HG2	1.75	0.46
1:K:1018:UNK:CB	1:K:1020:UNK:CB	2.94	0.46
1:L:120:PHE:HD1	1:L:122:LYS:N	2.14	0.46
1:L:148:LEU:HG	1:L:272:THR:OG1	2.16	0.46
1:L:186:CYS:HB2	1:L:249:ASN:HB2	1.97	0.46
1:L:365:TYR:CE2	1:L:401:VAL:O	2.68	0.46
1:L:385:LEU:CD1	1:L:466:TYR:HB3	2.45	0.46
1:L:386:LEU:HG	1:L:420:ILE:CD1	2.45	0.46
1:L:443:ILE:HD11	1:L:477:ASN:HB3	1.98	0.46
1:L:629:UNK:CB	1:L:644:UNK:CB	2.94	0.46
1:M:385:LEU:HD11	1:M:467:PHE:CE1	2.50	0.46
1:M:508:TRP:O	1:M:648:UNK:HA	2.15	0.46
1:M:1074:UNK:CB	1:M:1095:UNK:CA	2.93	0.46
1:M:1160:UNK:CB	1:M:1164:UNK:CB	2.93	0.46
1:N:10:TYR:HE1	1:N:167:SER:O	1.98	0.46
1:N:203:ILE:HG23	1:N:204:ASP:N	2.31	0.46
1:N:403:ASN:HA	1:N:406:HIS:HB2	1.98	0.46
1:N:414:GLN:HA	1:N:415:PRO:HD2	1.78	0.46
1:N:483:ARG:HE	1:N:527:TYR:HB2	1.79	0.46
1:N:978:UNK:CB	1:N:981:UNK:CB	2.94	0.46
1:N:1052:UNK:CB	1:N:1068:UNK:CB	2.93	0.46
1:O:35:MET:SD	1:O:48:ILE:HD13	2.55	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:48:ILE:HG12	1:O:61:LEU:CB	2.45	0.46
1:O:124:ASN:HB3	3:O:1402:DTP:N6	2.29	0.46
1:O:179:PHE:CZ	1:O:237:TYR:HE1	2.34	0.46
1:O:300:LEU:CG	1:O:301:LEU:N	2.78	0.46
1:O:357:LEU:HG	1:O:366:ARG:HD3	1.94	0.46
1:O:978:UNK:CB	1:O:981:UNK:CB	2.94	0.46
1:O:1165:UNK:CB	1:O:1202:UNK:CB	2.94	0.46
1:P:124:ASN:HB3	3:P:1402:DTP:N6	2.29	0.46
1:P:368:MET:CB	1:P:390:TRP:CE2	2.94	0.46
1:P:385:LEU:HD11	1:P:467:PHE:CE1	2.50	0.46
1:P:447:TYR:CD1	1:P:482:GLU:HG2	2.51	0.46
1:A:100:SER:HB3	1:A:102:MET:CE	2.46	0.46
1:A:120:PHE:HD1	1:A:122:LYS:N	2.14	0.46
1:A:122:LYS:HB2	1:A:304:TYR:CG	2.51	0.46
1:A:148:LEU:HG	1:A:272:THR:OG1	2.16	0.46
1:A:276:SER:HB3	1:A:282:HIS:HB2	1.97	0.46
1:A:278:ALA:N	1:B:119:VAL:CB	2.79	0.46
1:A:508:TRP:O	1:A:648:UNK:HA	2.15	0.46
1:A:1074:UNK:CB	1:A:1095:UNK:CA	2.93	0.46
1:B:110:ARG:CG	1:B:114:TYR:CE2	2.95	0.46
1:B:148:LEU:HG	1:B:272:THR:OG1	2.16	0.46
1:B:224:ILE:HA	1:B:227:GLU:HG2	1.97	0.46
1:B:314:ARG:CG	1:B:341:TRP:CH2	2.99	0.46
1:B:374:VAL:HG12	1:B:446:HIS:CE1	2.51	0.46
1:B:385:LEU:CD1	1:B:466:TYR:HB3	2.45	0.46
1:B:443:ILE:HD11	1:B:477:ASN:HB3	1.98	0.46
1:B:1074:UNK:CB	1:B:1095:UNK:CA	2.93	0.46
1:C:2:ASP:HB2	1:C:97:ARG:NH2	2.31	0.46
1:C:27:PHE:HB2	1:C:30:LYS:CE	2.46	0.46
1:C:443:ILE:CG1	1:C:478:ILE:HG22	2.41	0.46
1:C:475:LEU:O	1:C:478:ILE:HG12	2.16	0.46
1:C:1048:UNK:CB	1:C:1067:UNK:CB	2.94	0.46
1:D:28:ASP:C	1:D:31:ASP:HB2	2.36	0.46
1:D:39:ILE:HD12	1:D:39:ILE:HA	1.71	0.46
1:D:301:LEU:CD1	1:D:328:ALA:HB2	2.45	0.46
1:D:325:SER:OG	3:D:1402:DTP:H1'	2.15	0.46
1:D:357:LEU:HB2	1:D:430:LYS:NZ	2.30	0.46
1:D:510:ALA:CB	1:D:645:UNK:O	2.64	0.46
1:E:39:ILE:HD12	1:E:39:ILE:HA	1.70	0.46
1:E:256:PHE:HE2	1:E:262:ILE:CB	2.26	0.46
1:E:475:LEU:O	1:E:478:ILE:HG12	2.16	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:499:GLN:NE2	1:E:554:ILE:HG12	2.30	0.46
1:E:875:UNK:CB	1:E:906:UNK:CB	2.93	0.46
1:F:64:THR:HG23	1:F:65:LEU:N	2.31	0.46
1:F:120:PHE:HD1	1:F:122:LYS:N	2.14	0.46
1:F:122:LYS:HB2	1:F:304:TYR:CG	2.51	0.46
1:F:123:TYR:CG	1:F:303:LYS:CB	2.95	0.46
1:F:999:UNK:C	1:F:1020:UNK:CA	2.94	0.46
1:G:35:MET:SD	1:G:48:ILE:HD13	2.55	0.46
1:G:35:MET:HE1	1:G:61:LEU:HD22	1.97	0.46
1:G:92:ILE:HG23	1:G:93:LYS:N	2.31	0.46
1:G:120:PHE:HD1	1:G:122:LYS:N	2.14	0.46
1:G:179:PHE:CZ	1:G:237:TYR:HE1	2.34	0.46
1:G:357:LEU:HG	1:G:366:ARG:HD3	1.95	0.46
1:G:428:GLU:HA	1:G:431:VAL:HG22	1.97	0.46
1:G:435:ASN:CG	1:G:439:LEU:HD11	2.35	0.46
1:G:978:UNK:CB	1:G:981:UNK:CB	2.94	0.46
1:H:9:GLN:HB3	1:H:62:PHE:CE1	2.51	0.46
1:H:10:TYR:HE1	1:H:167:SER:O	1.98	0.46
1:H:90:SER:HB3	1:H:91:PRO:HD3	1.98	0.46
1:H:148:LEU:HG	1:H:272:THR:OG1	2.16	0.46
1:H:508:TRP:O	1:H:648:UNK:HA	2.15	0.46
1:H:978:UNK:CB	1:H:981:UNK:CB	2.94	0.46
1:H:999:UNK:C	1:H:1020:UNK:CA	2.94	0.46
1:H:1018:UNK:CB	1:H:1020:UNK:CB	2.94	0.46
1:I:39:ILE:HD12	1:I:39:ILE:HA	1.70	0.46
1:I:65:LEU:HD12	1:I:72:MET:CG	2.45	0.46
1:I:250:ALA:HA	1:I:253:TRP:CD1	2.51	0.46
1:I:447:TYR:CD1	1:I:482:GLU:HG2	2.51	0.46
1:I:475:LEU:O	1:I:478:ILE:HG12	2.16	0.46
1:I:499:GLN:NE2	1:I:554:ILE:HG12	2.30	0.46
1:I:875:UNK:CB	1:I:906:UNK:CB	2.93	0.46
1:I:1074:UNK:CB	1:I:1095:UNK:CA	2.93	0.46
1:J:28:ASP:C	1:J:31:ASP:HB2	2.36	0.46
1:J:32:VAL:C	1:J:36:PRO:CD	2.80	0.46
1:J:349:LEU:HD12	1:J:349:LEU:H	1.80	0.46
1:J:357:LEU:HB2	1:J:430:LYS:NZ	2.30	0.46
1:J:368:MET:CB	1:J:390:TRP:CE2	2.94	0.46
1:J:371:ARG:CB	1:J:389:ILE:CG2	2.93	0.46
1:J:385:LEU:CD1	1:J:466:TYR:HB3	2.45	0.46
1:J:475:LEU:O	1:J:478:ILE:HG12	2.16	0.46
1:J:510:ALA:CB	1:J:645:UNK:O	2.64	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:5:THR:HG23	1:K:73:VAL:HG21	1.97	0.46
1:K:27:PHE:HB2	1:K:30:LYS:CE	2.46	0.46
1:K:88:LEU:H	1:K:88:LEU:CD2	2.26	0.46
1:K:429:LEU:HA	1:K:432:LYS:NZ	2.30	0.46
1:K:557:LYS:HD2	1:K:558:TYR:N	2.25	0.46
1:K:1048:UNK:CB	1:K:1067:UNK:CB	2.94	0.46
1:L:224:ILE:HA	1:L:227:GLU:HG2	1.97	0.46
1:L:314:ARG:CG	1:L:341:TRP:CH2	2.99	0.46
1:L:374:VAL:HG12	1:L:446:HIS:CE1	2.51	0.46
1:L:999:UNK:C	1:L:1020:UNK:CA	2.94	0.46
1:M:12:TYR:CZ	1:M:15:ILE:CD1	2.93	0.46
1:M:40:LEU:CG	1:M:64:THR:HG21	2.33	0.46
1:M:100:SER:HB3	1:M:102:MET:CE	2.46	0.46
1:M:120:PHE:HD1	1:M:122:LYS:N	2.14	0.46
1:M:148:LEU:HG	1:M:272:THR:OG1	2.16	0.46
1:M:175:ASP:OD1	1:M:240:CYS:HA	2.16	0.46
3:M:1402:DTP:H2'2	3:M:1402:DTP:H5'2	1.46	0.46
1:N:9:GLN:HB3	1:N:62:PHE:CE1	2.51	0.46
1:N:60:ARG:HH21	1:N:128:LEU:HD11	1.79	0.46
1:N:90:SER:HB3	1:N:91:PRO:HD3	1.98	0.46
1:N:148:LEU:HG	1:N:272:THR:OG1	2.16	0.46
1:N:385:LEU:HD11	1:N:467:PHE:CE1	2.50	0.46
1:N:508:TRP:O	1:N:648:UNK:HA	2.15	0.46
1:N:1018:UNK:CB	1:N:1020:UNK:CB	2.94	0.46
1:O:90:SER:HB3	1:O:91:PRO:HD3	1.98	0.46
1:O:144:ALA:HA	1:O:261:LYS:CB	2.39	0.46
1:O:276:SER:HB3	1:O:282:HIS:HB2	1.97	0.46
1:O:353:ILE:HG23	1:O:430:LYS:HD2	1.91	0.46
1:O:353:ILE:O	1:O:356:SER:HB3	2.16	0.46
1:P:64:THR:HG23	1:P:65:LEU:N	2.31	0.46
1:P:122:LYS:HB2	1:P:304:TYR:CG	2.51	0.46
1:P:326:ILE:HD13	1:P:326:ILE:C	2.35	0.46
1:P:450:PRO:HG2	1:P:471:ILE:HD11	1.94	0.46
1:P:510:ALA:CB	1:P:645:UNK:O	2.64	0.46
1:P:999:UNK:C	1:P:1020:UNK:CA	2.94	0.46
1:A:27:PHE:CB	1:A:30:LYS:HE2	2.46	0.46
1:A:106:TYR:CG	1:A:169:LYS:HB2	2.50	0.46
1:A:250:ALA:HA	1:A:253:TRP:CD1	2.51	0.46
1:A:349:LEU:HD12	1:A:349:LEU:H	1.80	0.46
1:A:353:ILE:O	1:A:356:SER:HB3	2.16	0.46
1:A:385:LEU:HD11	1:A:467:PHE:CE1	2.50	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1018:UNK:CB	1:A:1020:UNK:CB	2.94	0.46
1:A:1165:UNK:CB	1:A:1202:UNK:CB	2.94	0.46
1:B:56:SER:CA	1:B:128:LEU:CD2	2.94	0.46
1:B:105:MET:HE2	1:B:106:TYR:CE1	2.51	0.46
1:B:123:TYR:CG	1:B:303:LYS:CB	2.95	0.46
1:B:179:PHE:CZ	1:B:237:TYR:HE1	2.34	0.46
1:B:235:LYS:HB2	1:B:237:TYR:HE2	1.78	0.46
1:B:325:SER:OG	3:B:1402:DTP:H1'	2.15	0.46
1:B:338:TRP:O	1:B:342:LYS:HB2	2.16	0.46
1:B:353:ILE:O	1:B:356:SER:HB3	2.16	0.46
1:B:508:TRP:CD1	1:B:509:ASN:N	2.82	0.46
1:B:999:UNK:C	1:B:1020:UNK:CA	2.94	0.46
1:C:37:LYS:HZ2	1:C:39:ILE:HG12	1.79	0.46
1:C:65:LEU:HD12	1:C:72:MET:CG	2.45	0.46
1:C:120:PHE:HD1	1:C:122:LYS:N	2.14	0.46
1:C:181:LEU:CD1	1:C:199:LEU:CD2	2.94	0.46
1:C:192:VAL:HG11	1:C:251:LYS:CD	2.36	0.46
1:C:429:LEU:HA	1:C:432:LYS:NZ	2.30	0.46
1:C:538:LEU:CD1	1:C:572:ALA:CB	2.93	0.46
1:C:978:UNK:CB	1:C:981:UNK:CB	2.94	0.46
1:C:1052:UNK:CB	1:C:1068:UNK:CB	2.93	0.46
1:D:20:GLU:CB	1:D:23:PHE:HD2	2.29	0.46
1:D:35:MET:SD	1:D:48:ILE:HD13	2.55	0.46
1:D:224:ILE:HA	1:D:227:GLU:HG2	1.97	0.46
1:D:371:ARG:CB	1:D:389:ILE:CG2	2.93	0.46
1:D:374:VAL:HG12	1:D:446:HIS:CE1	2.51	0.46
1:D:381:ILE:HG21	1:D:381:ILE:HD13	1.61	0.46
1:D:385:LEU:HD11	1:D:467:PHE:CE1	2.50	0.46
1:D:508:TRP:O	1:D:648:UNK:HA	2.15	0.46
1:E:7:GLU:CG	1:E:110:ARG:HH21	2.29	0.46
1:E:9:GLN:HB3	1:E:62:PHE:CE1	2.51	0.46
1:E:28:ASP:C	1:E:31:ASP:HB2	2.36	0.46
1:E:65:LEU:HD12	1:E:72:MET:CG	2.45	0.46
1:E:250:ALA:HA	1:E:253:TRP:CD1	2.51	0.46
1:E:327:ILE:HG12	1:E:345:ASN:CG	2.36	0.46
1:E:999:UNK:C	1:E:1020:UNK:CA	2.94	0.46
1:F:497:LEU:HD23	1:F:497:LEU:HA	1.61	0.46
1:F:508:TRP:O	1:F:648:UNK:HA	2.15	0.46
1:F:510:ALA:CB	1:F:645:UNK:O	2.64	0.46
1:F:1048:UNK:CB	1:F:1067:UNK:CB	2.94	0.46
1:G:10:TYR:HE1	1:G:167:SER:O	1.98	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:100:SER:HB3	1:G:102:MET:CE	2.46	0.46
1:G:106:TYR:CG	1:G:169:LYS:HB2	2.50	0.46
1:G:193:LEU:CD2	1:G:221:ILE:HA	2.32	0.46
1:G:300:LEU:CG	1:G:301:LEU:N	2.78	0.46
1:G:403:ASN:HA	1:G:406:HIS:HB2	1.98	0.46
1:G:578:HIS:C	1:G:581:VAL:HG13	2.35	0.46
1:H:8:HIS:CD2	1:H:103:THR:CG2	2.98	0.46
1:H:65:LEU:HD12	1:H:72:MET:CG	2.46	0.46
1:H:92:ILE:HG23	1:H:93:LYS:N	2.31	0.46
1:H:120:PHE:HD1	1:H:122:LYS:N	2.14	0.46
1:H:256:PHE:CD2	1:H:262:ILE:HG13	2.46	0.46
1:H:385:LEU:CD1	1:H:466:TYR:HB3	2.45	0.46
1:H:385:LEU:HD11	1:H:467:PHE:CE1	2.50	0.46
1:H:495:ARG:NE	1:H:561:LEU:HD12	2.21	0.46
1:H:1048:UNK:CB	1:H:1067:UNK:CB	2.94	0.46
1:I:327:ILE:HG12	1:I:345:ASN:CG	2.36	0.46
1:I:999:UNK:C	1:I:1020:UNK:CA	2.94	0.46
1:J:5:THR:HG23	1:J:73:VAL:HG21	1.97	0.46
1:J:7:GLU:CG	1:J:110:ARG:HH21	2.29	0.46
1:J:20:GLU:CB	1:J:23:PHE:HD2	2.29	0.46
1:J:224:ILE:HA	1:J:227:GLU:HG2	1.97	0.46
1:J:325:SER:OG	3:J:1402:DTP:H1'	2.15	0.46
1:J:508:TRP:O	1:J:648:UNK:HA	2.15	0.46
1:K:65:LEU:HD12	1:K:72:MET:CG	2.45	0.46
1:K:120:PHE:HD1	1:K:122:LYS:N	2.14	0.46
1:K:125:VAL:CG2	1:K:297:VAL:HA	2.44	0.46
1:K:180:TRP:CH2	1:K:243:VAL:HG11	2.50	0.46
1:K:181:LEU:CD1	1:K:199:LEU:CD2	2.94	0.46
1:K:192:VAL:HG11	1:K:251:LYS:CD	2.36	0.46
1:K:216:ASN:HD21	1:K:216:ASN:N	2.09	0.46
1:K:475:LEU:O	1:K:478:ILE:HG12	2.16	0.46
1:K:519:GLN:CG	1:K:523:PHE:CZ	2.94	0.46
1:K:978:UNK:CB	1:K:981:UNK:CB	2.94	0.46
1:L:2:ASP:HB2	1:L:97:ARG:NH2	2.31	0.46
1:L:56:SER:CA	1:L:128:LEU:CD2	2.94	0.46
1:L:105:MET:HE2	1:L:106:TYR:CE1	2.51	0.46
1:L:119:VAL:CB	1:M:278:ALA:N	2.79	0.46
1:L:179:PHE:CZ	1:L:237:TYR:HE1	2.34	0.46
1:L:256:PHE:HE2	1:L:262:ILE:CB	2.26	0.46
1:L:353:ILE:O	1:L:356:SER:HB3	2.16	0.46
1:L:412:GLU:OE2	1:L:422:ILE:HA	2.14	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:508:TRP:O	1:L:648:UNK:HA	2.15	0.46
1:L:1074:UNK:CB	1:L:1095:UNK:CA	2.93	0.46
1:M:27:PHE:CB	1:M:30:LYS:HE2	2.46	0.46
1:M:28:ASP:C	1:M:31:ASP:HB2	2.36	0.46
1:M:106:TYR:CG	1:M:169:LYS:HB2	2.50	0.46
1:M:181:LEU:CD1	1:M:199:LEU:CD2	2.94	0.46
1:M:250:ALA:HA	1:M:253:TRP:CD1	2.51	0.46
1:M:314:ARG:CG	1:M:341:TRP:CH2	2.99	0.46
1:M:369:PHE:CZ	1:M:427:LEU:CD2	2.94	0.46
1:M:1018:UNK:CB	1:M:1020:UNK:CB	2.94	0.46
1:M:1165:UNK:CB	1:M:1202:UNK:CB	2.94	0.46
1:N:7:GLU:HG2	1:N:107:ILE:HD13	1.94	0.46
1:N:8:HIS:CD2	1:N:103:THR:CG2	2.98	0.46
1:N:65:LEU:HD12	1:N:72:MET:CG	2.46	0.46
1:N:120:PHE:HD1	1:N:122:LYS:N	2.14	0.46
1:N:142:ARG:CB	1:N:143:PRO:HD3	2.39	0.46
1:N:353:ILE:CD1	1:N:426:TYR:HE2	2.13	0.46
1:N:478:ILE:HG13	1:N:479:GLU:H	1.76	0.46
1:N:999:UNK:C	1:N:1020:UNK:CA	2.94	0.46
1:N:1048:UNK:CB	1:N:1067:UNK:CB	2.94	0.46
1:O:10:TYR:HE1	1:O:167:SER:O	1.98	0.46
1:O:92:ILE:HG23	1:O:93:LYS:N	2.31	0.46
1:O:100:SER:HB3	1:O:102:MET:CE	2.46	0.46
1:O:106:TYR:CG	1:O:169:LYS:HB2	2.50	0.46
1:O:120:PHE:HD1	1:O:122:LYS:N	2.14	0.46
1:O:180:TRP:CH2	1:O:243:VAL:HG11	2.50	0.46
1:O:403:ASN:HA	1:O:406:HIS:HB2	1.98	0.46
1:O:578:HIS:C	1:O:581:VAL:HG13	2.34	0.46
1:P:120:PHE:HD1	1:P:122:LYS:N	2.14	0.46
1:P:1048:UNK:CB	1:P:1067:UNK:CB	2.94	0.46
1:A:12:TYR:CZ	1:A:15:ILE:CD1	2.93	0.46
1:A:181:LEU:CD1	1:A:199:LEU:CD2	2.94	0.46
1:A:314:ARG:CG	1:A:341:TRP:CH2	2.99	0.46
1:B:2:ASP:HB2	1:B:97:ARG:NH2	2.31	0.46
1:B:106:TYR:CG	1:B:169:LYS:HB2	2.50	0.46
1:B:122:LYS:HB2	1:B:304:TYR:CG	2.51	0.46
1:B:157:LYS:HG2	1:B:287:HIS:HD2	1.81	0.46
1:B:268:PHE:CD2	1:B:271:VAL:N	2.84	0.46
1:B:368:MET:CG	1:B:390:TRP:NE1	2.78	0.46
1:B:447:TYR:CD1	1:B:482:GLU:HG2	2.51	0.46
1:B:508:TRP:O	1:B:648:UNK:HA	2.15	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:557:LYS:HD2	1:C:558:TYR:N	2.25	0.46
1:D:5:THR:HG23	1:D:73:VAL:HG21	1.97	0.46
1:D:7:GLU:CG	1:D:110:ARG:HH21	2.29	0.46
1:D:64:THR:HG23	1:D:65:LEU:N	2.31	0.46
1:D:120:PHE:HD1	1:D:122:LYS:N	2.14	0.46
1:D:175:ASP:OD1	1:D:240:CYS:HA	2.16	0.46
1:D:327:ILE:HG12	1:D:345:ASN:CG	2.36	0.46
1:D:385:LEU:CD1	1:D:466:TYR:HB3	2.45	0.46
1:D:403:ASN:HA	1:D:406:HIS:HB2	1.98	0.46
1:D:629:UNK:CB	1:D:644:UNK:CB	2.94	0.46
1:E:2:ASP:HB2	1:E:97:ARG:NH2	2.31	0.46
1:E:120:PHE:HD1	1:E:122:LYS:N	2.14	0.46
1:E:152:VAL:CG2	1:E:410:LEU:CD1	2.94	0.46
1:E:186:CYS:HB2	1:E:249:ASN:HB2	1.97	0.46
1:F:189:PRO:O	1:F:192:VAL:HG22	2.16	0.46
1:F:276:SER:HB3	1:F:282:HIS:HB2	1.97	0.46
1:F:353:ILE:O	1:F:356:SER:HB3	2.16	0.46
1:F:357:LEU:HB2	1:F:430:LYS:NZ	2.30	0.46
1:F:429:LEU:HA	1:F:432:LYS:NZ	2.30	0.46
1:G:122:LYS:HB2	1:G:304:TYR:CG	2.51	0.46
1:G:207:TRP:N	1:G:207:TRP:CD1	2.83	0.46
1:G:353:ILE:O	1:G:356:SER:HB3	2.16	0.46
1:G:408:TYR:O	1:G:409:SER:HB2	2.16	0.46
1:G:447:TYR:CD1	1:G:482:GLU:HG2	2.51	0.46
1:G:1022:UNK:HA	1:G:1045:UNK:HA	1.98	0.46
1:H:179:PHE:CZ	1:H:237:TYR:HE1	2.34	0.46
1:H:353:ILE:CD1	1:H:426:TYR:HE2	2.13	0.46
1:I:7:GLU:HG2	1:I:107:ILE:HD13	1.94	0.46
1:I:7:GLU:CG	1:I:110:ARG:HH21	2.29	0.46
1:I:9:GLN:HB3	1:I:62:PHE:CE1	2.51	0.46
1:I:20:GLU:CB	1:I:23:PHE:HD2	2.29	0.46
1:I:28:ASP:C	1:I:31:ASP:HB2	2.36	0.46
1:I:120:PHE:HD1	1:I:122:LYS:N	2.14	0.46
1:I:152:VAL:CG2	1:I:410:LEU:CD1	2.94	0.46
1:I:371:ARG:CB	1:I:389:ILE:CG2	2.93	0.46
1:J:2:ASP:HB2	1:J:97:ARG:NH2	2.31	0.46
1:J:120:PHE:HD1	1:J:122:LYS:N	2.14	0.46
1:J:157:LYS:HG2	1:J:287:HIS:HD2	1.81	0.46
1:J:207:TRP:N	1:J:207:TRP:CD1	2.83	0.46
1:J:374:VAL:HG12	1:J:446:HIS:CE1	2.51	0.46
1:K:2:ASP:HB2	1:K:97:ARG:NH2	2.31	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:37:LYS:HZ2	1:K:39:ILE:HG12	1.79	0.46
1:K:428:GLU:HA	1:K:431:VAL:HG22	1.97	0.46
1:K:1052:UNK:CB	1:K:1068:UNK:CB	2.93	0.46
1:L:122:LYS:HB2	1:L:304:TYR:CG	2.51	0.46
1:L:157:LYS:HG2	1:L:287:HIS:HD2	1.81	0.46
1:L:268:PHE:CD2	1:L:271:VAL:N	2.84	0.46
1:L:385:LEU:HD11	1:L:467:PHE:CE1	2.50	0.46
1:M:276:SER:HB3	1:M:282:HIS:HB2	1.97	0.46
1:N:92:ILE:HG23	1:N:93:LYS:N	2.31	0.46
1:N:149:ILE:HG21	1:N:149:ILE:HD13	1.40	0.46
1:N:179:PHE:CZ	1:N:237:TYR:HE1	2.34	0.46
1:N:224:ILE:HA	1:N:227:GLU:HG2	1.97	0.46
1:N:256:PHE:CD2	1:N:262:ILE:HG13	2.46	0.46
1:N:429:LEU:HA	1:N:432:LYS:NZ	2.30	0.46
1:O:114:TYR:CE1	1:P:280:THR:CB	2.90	0.46
1:O:193:LEU:CD2	1:O:221:ILE:HA	2.32	0.46
1:O:408:TYR:O	1:O:409:SER:HB2	2.16	0.46
1:O:428:GLU:HA	1:O:431:VAL:HG22	1.97	0.46
1:O:497:LEU:HD23	1:O:497:LEU:HA	1.61	0.46
1:O:1022:UNK:HA	1:O:1045:UNK:HA	1.98	0.46
1:P:157:LYS:HG2	1:P:287:HIS:HD2	1.81	0.46
1:P:189:PRO:O	1:P:192:VAL:HG22	2.16	0.46
1:P:276:SER:HB3	1:P:282:HIS:HB2	1.97	0.46
1:P:429:LEU:HA	1:P:432:LYS:NZ	2.30	0.46
1:P:508:TRP:O	1:P:648:UNK:HA	2.15	0.46
1:P:510:ALA:HB2	1:P:647:UNK:O	2.15	0.46
1:A:27:PHE:HB2	1:A:30:LYS:CE	2.46	0.45
1:A:28:ASP:C	1:A:31:ASP:HB2	2.36	0.45
1:A:92:ILE:HG23	1:A:93:LYS:N	2.31	0.45
1:A:222:HIS:CD2	1:B:201:TYR:CB	2.98	0.45
1:A:374:VAL:HG12	1:A:446:HIS:CE1	2.51	0.45
1:A:403:ASN:HA	1:A:406:HIS:HB2	1.98	0.45
1:B:10:TYR:HE1	1:B:167:SER:O	1.98	0.45
1:B:92:ILE:HG23	1:B:93:LYS:N	2.31	0.45
1:B:365:TYR:CD1	1:B:365:TYR:N	2.82	0.45
1:B:525:LYS:HB3	1:B:526:PRO:HD3	1.98	0.45
1:C:20:GLU:CB	1:C:23:PHE:HD2	2.29	0.45
1:C:123:TYR:CD2	1:C:303:LYS:HG2	2.51	0.45
1:C:150:ASP:N	1:C:287:HIS:CB	2.74	0.45
1:C:216:ASN:HD21	1:C:216:ASN:N	2.09	0.45
1:C:359:VAL:HG12	1:C:360:LEU:HD12	1.92	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:2:ASP:HB2	1:D:97:ARG:NH2	2.31	0.45
1:D:152:VAL:CG2	1:D:410:LEU:CD1	2.94	0.45
1:D:157:LYS:HG2	1:D:287:HIS:HD2	1.81	0.45
1:D:320:ASN:HA	1:D:321:PRO:HD3	1.71	0.45
1:D:368:MET:CB	1:D:390:TRP:CE2	2.94	0.45
1:D:1018:UNK:CB	1:D:1020:UNK:CB	2.94	0.45
1:D:1165:UNK:CB	1:D:1202:UNK:CB	2.94	0.45
1:E:20:GLU:CB	1:E:23:PHE:HD2	2.29	0.45
1:E:224:ILE:HA	1:E:227:GLU:HG2	1.97	0.45
1:E:1022:UNK:HA	1:E:1045:UNK:HA	1.98	0.45
1:E:1284:UNK:HA	1:E:1323:UNK:O	2.17	0.45
1:F:32:VAL:C	1:F:36:PRO:CD	2.80	0.45
1:F:157:LYS:HG2	1:F:287:HIS:HD2	1.81	0.45
1:F:280:THR:CB	1:G:114:TYR:CE1	2.90	0.45
1:F:327:ILE:HG12	1:F:345:ASN:CG	2.36	0.45
1:F:369:PHE:CE1	1:F:427:LEU:CD1	2.94	0.45
1:G:120:PHE:CE1	1:G:122:LYS:CD	2.95	0.45
1:G:180:TRP:CH2	1:G:243:VAL:HG11	2.50	0.45
1:G:325:SER:OG	3:G:1402:DTP:H1'	2.15	0.45
1:G:391:PHE:HD1	1:G:398:VAL:HG11	1.72	0.45
1:G:1048:UNK:CB	1:G:1067:UNK:CB	2.94	0.45
1:H:20:GLU:HB3	1:H:23:PHE:HD2	1.81	0.45
1:H:21:ASP:O	1:H:22:ALA:HB3	2.16	0.45
1:H:224:ILE:HA	1:H:227:GLU:HG2	1.97	0.45
1:H:393:VAL:HG12	1:H:394:ILE:H	1.81	0.45
1:H:495:ARG:HH22	1:H:549:ILE:CD1	2.30	0.45
1:I:2:ASP:HB2	1:I:97:ARG:NH2	2.31	0.45
1:I:186:CYS:HB2	1:I:249:ASN:HB2	1.97	0.45
1:I:301:LEU:CD1	1:I:328:ALA:CB	2.93	0.45
1:I:386:LEU:HG	1:I:420:ILE:CD1	2.45	0.45
1:I:978:UNK:CB	1:I:981:UNK:CB	2.94	0.45
1:I:1022:UNK:HA	1:I:1045:UNK:HA	1.98	0.45
1:I:1284:UNK:HA	1:I:1323:UNK:O	2.17	0.45
1:J:39:ILE:HD12	1:J:39:ILE:HA	1.71	0.45
1:J:64:THR:HG23	1:J:65:LEU:N	2.31	0.45
1:J:152:VAL:CG2	1:J:410:LEU:CD1	2.94	0.45
1:J:175:ASP:OD1	1:J:240:CYS:HA	2.16	0.45
1:J:256:PHE:HE2	1:J:262:ILE:CB	2.26	0.45
1:J:320:ASN:HA	1:J:321:PRO:HD3	1.71	0.45
1:J:385:LEU:HD11	1:J:467:PHE:CE1	2.50	0.45
1:J:403:ASN:HA	1:J:406:HIS:HB2	1.98	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:629:UNK:CB	1:J:644:UNK:CB	2.94	0.45
1:J:1018:UNK:CB	1:J:1020:UNK:CB	2.94	0.45
1:J:1165:UNK:CB	1:J:1202:UNK:CB	2.94	0.45
1:K:68:LYS:CB	1:K:72:MET:HB2	2.47	0.45
1:K:123:TYR:CD2	1:K:303:LYS:HG2	2.51	0.45
1:K:148:LEU:HG	1:K:272:THR:OG1	2.16	0.45
1:K:495:ARG:HH22	1:K:549:ILE:CD1	2.29	0.45
1:K:495:ARG:CZ	1:K:545:PHE:HE2	2.30	0.45
1:K:495:ARG:CB	1:K:561:LEU:HD11	2.45	0.45
1:K:538:LEU:CD1	1:K:572:ALA:CB	2.93	0.45
1:L:106:TYR:CG	1:L:169:LYS:HB2	2.50	0.45
1:L:325:SER:OG	3:L:1402:DTP:H1'	2.15	0.45
1:L:327:ILE:HG12	1:L:345:ASN:CG	2.36	0.45
1:L:338:TRP:O	1:L:342:LYS:HB2	2.16	0.45
1:L:365:TYR:CD1	1:L:365:TYR:N	2.82	0.45
1:L:368:MET:CG	1:L:390:TRP:NE1	2.78	0.45
1:L:525:LYS:HB3	1:L:526:PRO:HD3	1.98	0.45
1:L:978:UNK:CB	1:L:981:UNK:CB	2.94	0.45
1:M:1:MET:CE	1:M:65:LEU:CD1	2.94	0.45
1:M:27:PHE:HB2	1:M:30:LYS:CE	2.46	0.45
1:M:55:VAL:CG1	1:M:132:LEU:HD11	2.39	0.45
1:M:193:LEU:CD2	1:M:224:ILE:HD12	2.41	0.45
1:M:353:ILE:O	1:M:356:SER:HB3	2.16	0.45
1:M:403:ASN:HA	1:M:406:HIS:HB2	1.98	0.45
1:M:473:HIS:HA	1:M:527:TYR:CE1	2.49	0.45
1:M:629:UNK:CB	1:M:644:UNK:CB	2.94	0.45
1:M:978:UNK:CB	1:M:981:UNK:CB	2.94	0.45
1:N:12:TYR:CZ	1:N:15:ILE:CD1	2.93	0.45
1:N:21:ASP:O	1:N:22:ALA:HB3	2.16	0.45
1:N:385:LEU:CD1	1:N:466:TYR:HB3	2.45	0.45
1:N:495:ARG:HH22	1:N:549:ILE:CD1	2.30	0.45
1:O:122:LYS:HB2	1:O:304:TYR:CG	2.50	0.45
1:O:325:SER:OG	3:O:1402:DTP:H1'	2.15	0.45
1:O:447:TYR:CD1	1:O:482:GLU:HG2	2.51	0.45
1:O:525:LYS:HB3	1:O:526:PRO:HD3	1.98	0.45
1:O:538:LEU:CD1	1:O:572:ALA:CB	2.93	0.45
1:O:1048:UNK:CB	1:O:1067:UNK:CB	2.94	0.45
1:P:149:ILE:HG21	1:P:149:ILE:HD13	1.40	0.45
1:P:353:ILE:O	1:P:356:SER:HB3	2.16	0.45
1:P:369:PHE:CE1	1:P:427:LEU:CD1	2.94	0.45
1:P:483:ARG:HE	1:P:527:TYR:HB2	1.79	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1:MET:CE	1:A:65:LEU:CD1	2.95	0.45
1:A:123:TYR:CD2	1:A:303:LYS:HG2	2.51	0.45
1:A:150:ASP:HA	1:A:266:THR:O	2.17	0.45
1:A:268:PHE:CD2	1:A:271:VAL:N	2.84	0.45
1:A:453:PHE:CD2	1:A:461:PRO:HG2	2.40	0.45
1:A:473:HIS:HA	1:A:527:TYR:CE1	2.49	0.45
1:A:510:ALA:CB	1:A:645:UNK:O	2.64	0.45
1:A:629:UNK:CB	1:A:644:UNK:CB	2.94	0.45
1:A:978:UNK:CB	1:A:981:UNK:CB	2.94	0.45
1:B:250:ALA:HA	1:B:253:TRP:CD1	2.51	0.45
1:B:327:ILE:HG12	1:B:345:ASN:CG	2.36	0.45
1:B:372:LEU:HD11	1:B:427:LEU:HD13	1.98	0.45
1:B:385:LEU:HD11	1:B:467:PHE:CE1	2.50	0.45
1:B:978:UNK:CB	1:B:981:UNK:CB	2.94	0.45
1:C:20:GLU:HB3	1:C:23:PHE:HD2	1.81	0.45
1:C:148:LEU:HG	1:C:272:THR:OG1	2.16	0.45
1:C:175:ASP:OD1	1:C:240:CYS:HA	2.16	0.45
1:C:327:ILE:HG12	1:C:345:ASN:CG	2.36	0.45
1:C:428:GLU:HA	1:C:431:VAL:HG22	1.97	0.45
1:C:443:ILE:HD11	1:C:477:ASN:HB3	1.98	0.45
1:C:495:ARG:HH22	1:C:549:ILE:CD1	2.30	0.45
1:C:495:ARG:CB	1:C:561:LEU:HD11	2.45	0.45
1:C:519:GLN:CG	1:C:523:PHE:CZ	2.94	0.45
1:C:1074:UNK:CB	1:C:1095:UNK:CA	2.93	0.45
1:D:483:ARG:HE	1:D:527:TYR:HB2	1.79	0.45
1:D:1284:UNK:HA	1:D:1323:UNK:O	2.17	0.45
1:E:106:TYR:CG	1:E:169:LYS:HB2	2.50	0.45
1:E:122:LYS:HB2	1:E:304:TYR:CG	2.51	0.45
1:E:325:SER:OG	3:E:1402:DTP:H1'	2.15	0.45
1:E:371:ARG:CB	1:E:389:ILE:CG2	2.93	0.45
1:E:386:LEU:HG	1:E:420:ILE:CD1	2.45	0.45
1:E:495:ARG:HH22	1:E:549:ILE:CD1	2.30	0.45
1:E:978:UNK:CB	1:E:981:UNK:CB	2.94	0.45
1:F:5:THR:HG23	1:F:73:VAL:HG21	1.97	0.45
1:F:56:SER:CA	1:F:128:LEU:CD2	2.94	0.45
1:F:92:ILE:HG23	1:F:93:LYS:N	2.31	0.45
1:F:152:VAL:CG2	1:F:410:LEU:CD1	2.94	0.45
1:F:250:ALA:HA	1:F:253:TRP:CD1	2.51	0.45
1:F:443:ILE:HD11	1:F:477:ASN:HB3	1.98	0.45
1:F:483:ARG:HE	1:F:527:TYR:HB2	1.79	0.45
1:F:510:ALA:HB2	1:F:647:UNK:O	2.15	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:514:ILE:HD13	1:F:514:ILE:H	1.82	0.45
1:F:1284:UNK:HA	1:F:1323:UNK:O	2.17	0.45
1:G:52:LYS:HB2	1:G:52:LYS:HZ3	1.81	0.45
1:G:125:VAL:CG1	1:G:300:LEU:CD2	2.94	0.45
1:G:203:ILE:HG23	1:G:231:LEU:CD2	2.36	0.45
1:G:353:ILE:HG23	1:G:430:LYS:HD2	1.91	0.45
1:G:429:LEU:HA	1:G:432:LYS:NZ	2.30	0.45
1:G:525:LYS:HB3	1:G:526:PRO:HD3	1.98	0.45
1:H:12:TYR:CZ	1:H:15:ILE:CD1	2.93	0.45
1:H:48:ILE:HG12	1:H:61:LEU:CB	2.45	0.45
1:H:429:LEU:HA	1:H:432:LYS:NZ	2.30	0.45
1:I:122:LYS:HB2	1:I:304:TYR:CG	2.51	0.45
1:I:224:ILE:HA	1:I:227:GLU:HG2	1.97	0.45
1:I:495:ARG:HH22	1:I:549:ILE:CD1	2.30	0.45
1:J:186:CYS:HB2	1:J:249:ASN:HB2	1.97	0.45
1:J:221:ILE:HD13	1:J:221:ILE:H	1.82	0.45
1:J:327:ILE:HG12	1:J:345:ASN:CG	2.36	0.45
1:J:1284:UNK:HA	1:J:1323:UNK:O	2.17	0.45
1:K:9:GLN:HB3	1:K:62:PHE:CE1	2.51	0.45
1:K:20:GLU:CB	1:K:23:PHE:HD2	2.29	0.45
1:K:359:VAL:HG12	1:K:360:LEU:HD12	1.93	0.45
1:K:443:ILE:CG1	1:K:478:ILE:HG22	2.41	0.45
1:K:447:TYR:CD1	1:K:482:GLU:HG2	2.51	0.45
1:L:10:TYR:HE1	1:L:167:SER:O	1.98	0.45
1:L:48:ILE:O	1:L:48:ILE:HG22	2.16	0.45
1:L:201:TYR:CB	1:M:222:HIS:CD2	2.98	0.45
1:L:203:ILE:HG23	1:L:204:ASP:N	2.31	0.45
1:L:250:ALA:HA	1:L:253:TRP:CD1	2.51	0.45
1:L:372:LEU:HD11	1:L:427:LEU:HD13	1.98	0.45
1:L:447:TYR:CD1	1:L:482:GLU:HG2	2.51	0.45
1:L:488:ARG:CA	1:L:491:PHE:H	2.18	0.45
1:L:508:TRP:CD1	1:L:509:ASN:N	2.82	0.45
1:M:10:TYR:HE1	1:M:167:SER:O	1.98	0.45
1:M:92:ILE:HG23	1:M:93:LYS:N	2.31	0.45
1:M:150:ASP:HA	1:M:266:THR:O	2.17	0.45
1:M:357:LEU:HB2	1:M:430:LYS:NZ	2.30	0.45
1:M:514:ILE:HD13	1:M:514:ILE:H	1.82	0.45
1:N:48:ILE:HG12	1:N:61:LEU:CB	2.45	0.45
1:N:122:LYS:HB2	1:N:304:TYR:CG	2.51	0.45
1:N:268:PHE:CD2	1:N:271:VAL:N	2.84	0.45
1:N:393:VAL:HG12	1:N:394:ILE:H	1.81	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:9:GLN:HB3	1:O:62:PHE:CE1	2.51	0.45
1:O:120:PHE:CE1	1:O:122:LYS:CD	2.95	0.45
1:O:125:VAL:CG1	1:O:300:LEU:CD2	2.94	0.45
1:O:207:TRP:N	1:O:207:TRP:CD1	2.83	0.45
1:O:224:ILE:HA	1:O:227:GLU:HG2	1.97	0.45
1:O:338:TRP:O	1:O:342:LYS:HB2	2.16	0.45
1:O:475:LEU:O	1:O:478:ILE:HG12	2.16	0.45
1:O:495:ARG:CZ	1:O:545:PHE:HE2	2.30	0.45
1:P:28:ASP:C	1:P:31:ASP:HB2	2.36	0.45
1:P:56:SER:CA	1:P:128:LEU:CD2	2.94	0.45
1:P:92:ILE:HG23	1:P:93:LYS:N	2.31	0.45
1:P:152:VAL:CG2	1:P:410:LEU:CD1	2.94	0.45
1:P:327:ILE:HG12	1:P:345:ASN:CG	2.36	0.45
1:P:357:LEU:HB2	1:P:430:LYS:NZ	2.30	0.45
1:A:10:TYR:HE1	1:A:167:SER:O	1.98	0.45
1:A:55:VAL:CG1	1:A:132:LEU:HD11	2.39	0.45
1:A:180:TRP:CH2	1:A:243:VAL:HG11	2.50	0.45
1:A:206:ASN:HB3	1:A:207:TRP:H	1.41	0.45
1:A:357:LEU:HB2	1:A:430:LYS:NZ	2.30	0.45
1:A:386:LEU:HD13	1:A:390:TRP:HB2	1.99	0.45
1:A:514:ILE:HD13	1:A:514:ILE:H	1.82	0.45
1:A:1022:UNK:HA	1:A:1045:UNK:HA	1.98	0.45
3:A:1402:DTP:H2'2	3:A:1402:DTP:H5'2	1.46	0.45
1:B:150:ASP:HA	1:B:266:THR:O	2.17	0.45
1:B:203:ILE:HG23	1:B:204:ASP:N	2.31	0.45
1:B:495:ARG:CZ	1:B:545:PHE:HE2	2.30	0.45
1:B:519:GLN:O	1:B:522:LYS:HB2	2.15	0.45
1:B:520:GLN:HG2	1:B:524:TYR:HE2	1.82	0.45
1:C:9:GLN:HB3	1:C:62:PHE:CE1	2.51	0.45
1:C:48:ILE:HG12	1:C:61:LEU:CB	2.45	0.45
1:C:68:LYS:CB	1:C:72:MET:HB2	2.47	0.45
1:C:90:SER:HB3	1:C:91:PRO:HD3	1.98	0.45
1:C:203:ILE:HG23	1:C:204:ASP:N	2.31	0.45
1:C:221:ILE:HD13	1:C:221:ILE:H	1.82	0.45
1:C:357:LEU:HB2	1:C:430:LYS:NZ	2.30	0.45
1:C:447:TYR:CD1	1:C:482:GLU:HG2	2.51	0.45
1:C:495:ARG:CZ	1:C:545:PHE:HE2	2.30	0.45
1:C:508:TRP:O	1:C:648:UNK:HA	2.15	0.45
1:C:609:UNK:CB	1:C:977:UNK:HA	2.47	0.45
1:D:186:CYS:HB2	1:D:249:ASN:HB2	1.97	0.45
1:D:221:ILE:HD13	1:D:221:ILE:H	1.82	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:250:ALA:HA	1:D:253:TRP:CD1	2.51	0.45
1:D:314:ARG:CG	1:D:341:TRP:CH2	2.99	0.45
1:D:447:TYR:CD1	1:D:482:GLU:HG2	2.51	0.45
1:D:520:GLN:HG2	1:D:524:TYR:HE2	1.82	0.45
1:E:179:PHE:HE1	1:E:240:CYS:HG	1.64	0.45
1:E:180:TRP:CH2	1:E:243:VAL:HG11	2.50	0.45
1:E:301:LEU:CD1	1:E:328:ALA:CB	2.93	0.45
1:E:495:ARG:CZ	1:E:545:PHE:HE2	2.30	0.45
1:E:629:UNK:CB	1:E:644:UNK:CB	2.94	0.45
1:F:10:TYR:HE1	1:F:167:SER:O	1.98	0.45
1:F:175:ASP:OD1	1:F:240:CYS:HA	2.16	0.45
1:F:338:TRP:O	1:F:342:LYS:HB2	2.16	0.45
1:F:368:MET:CG	1:F:390:TRP:NE1	2.78	0.45
1:F:999:UNK:C	1:F:1020:UNK:CB	2.95	0.45
1:F:1072:UNK:CB	1:F:1095:UNK:CB	2.95	0.45
1:G:7:GLU:CG	1:G:110:ARG:HH21	2.29	0.45
1:G:314:ARG:CG	1:G:341:TRP:CH2	2.99	0.45
1:G:338:TRP:O	1:G:342:LYS:HB2	2.16	0.45
1:G:495:ARG:CZ	1:G:545:PHE:HE2	2.30	0.45
1:G:514:ILE:HD13	1:G:514:ILE:H	1.82	0.45
1:G:542:ILE:CG2	1:G:573:ILE:CD1	2.94	0.45
1:G:562:LEU:HD12	1:G:577:ALA:HA	1.99	0.45
1:H:2:ASP:HB2	1:H:97:ARG:NH2	2.31	0.45
1:H:28:ASP:C	1:H:31:ASP:HB2	2.36	0.45
1:H:142:ARG:CB	1:H:143:PRO:HD3	2.39	0.45
1:H:193:LEU:HD23	1:H:193:LEU:HA	1.78	0.45
1:H:268:PHE:CD2	1:H:271:VAL:N	2.84	0.45
1:H:327:ILE:CG2	1:H:331:ILE:CD1	2.95	0.45
1:H:466:TYR:CD1	1:H:466:TYR:C	2.90	0.45
1:H:514:ILE:HD13	1:H:514:ILE:H	1.82	0.45
1:H:542:ILE:CG2	1:H:573:ILE:CD1	2.94	0.45
1:H:609:UNK:CB	1:H:977:UNK:HA	2.47	0.45
1:I:64:THR:HG23	1:I:65:LEU:N	2.31	0.45
1:I:125:VAL:CG2	1:I:297:VAL:HA	2.44	0.45
1:I:148:LEU:HG	1:I:272:THR:OG1	2.16	0.45
1:I:325:SER:OG	3:I:1402:DTP:H1'	2.15	0.45
1:I:369:PHE:CE1	1:I:427:LEU:CD1	2.94	0.45
1:I:495:ARG:CZ	1:I:545:PHE:HE2	2.30	0.45
1:I:629:UNK:CB	1:I:644:UNK:CB	2.94	0.45
1:J:37:LYS:CD	1:J:39:ILE:HB	2.44	0.45
1:J:148:LEU:HG	1:J:272:THR:OG1	2.16	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:250:ALA:HA	1:J:253:TRP:CD1	2.51	0.45
1:J:314:ARG:CG	1:J:341:TRP:CH2	2.99	0.45
1:J:492:LEU:HA	1:J:492:LEU:HD23	1.46	0.45
1:J:520:GLN:HG2	1:J:524:TYR:HE2	1.82	0.45
1:K:12:TYR:CZ	1:K:15:ILE:CD1	2.93	0.45
1:K:20:GLU:HB3	1:K:23:PHE:HD2	1.81	0.45
1:K:90:SER:HB3	1:K:91:PRO:HD3	1.98	0.45
1:K:327:ILE:HG12	1:K:345:ASN:CG	2.36	0.45
1:K:435:ASN:CG	1:K:439:LEU:HD11	2.35	0.45
1:K:437:TYR:CE1	1:K:440:HIS:CD2	3.03	0.45
1:K:443:ILE:HD11	1:K:477:ASN:HB3	1.98	0.45
1:K:508:TRP:O	1:K:648:UNK:HA	2.15	0.45
1:K:609:UNK:CB	1:K:977:UNK:HA	2.47	0.45
1:K:1022:UNK:HA	1:K:1045:UNK:HA	1.98	0.45
1:K:1074:UNK:CB	1:K:1095:UNK:CA	2.93	0.45
1:L:92:ILE:HG23	1:L:93:LYS:N	2.31	0.45
1:L:150:ASP:HA	1:L:266:THR:O	2.17	0.45
1:L:495:ARG:CZ	1:L:545:PHE:HE2	2.30	0.45
1:L:520:GLN:HG2	1:L:524:TYR:HE2	1.82	0.45
1:M:123:TYR:CD2	1:M:303:LYS:HG2	2.51	0.45
1:M:206:ASN:HB3	1:M:207:TRP:H	1.41	0.45
1:M:374:VAL:HG12	1:M:446:HIS:CE1	2.51	0.45
1:M:453:PHE:CD2	1:M:461:PRO:HG2	2.40	0.45
1:M:510:ALA:CB	1:M:645:UNK:O	2.64	0.45
1:M:1022:UNK:HA	1:M:1045:UNK:HA	1.98	0.45
1:N:20:GLU:HB3	1:N:23:PHE:HD2	1.81	0.45
1:N:27:PHE:HB2	1:N:30:LYS:CE	2.46	0.45
1:N:327:ILE:CG2	1:N:331:ILE:CD1	2.95	0.45
1:N:466:TYR:CD1	1:N:466:TYR:C	2.90	0.45
1:N:514:ILE:HD13	1:N:514:ILE:H	1.82	0.45
1:N:542:ILE:CG2	1:N:573:ILE:CD1	2.94	0.45
1:N:562:LEU:HD12	1:N:577:ALA:HA	1.99	0.45
1:N:609:UNK:CB	1:N:977:UNK:HA	2.47	0.45
1:O:20:GLU:CB	1:O:23:PHE:HD2	2.29	0.45
1:O:314:ARG:CG	1:O:341:TRP:CH2	2.99	0.45
1:O:391:PHE:HD1	1:O:398:VAL:HG11	1.72	0.45
1:O:429:LEU:HA	1:O:432:LYS:NZ	2.30	0.45
1:O:542:ILE:CG2	1:O:573:ILE:CD1	2.94	0.45
1:O:562:LEU:HD12	1:O:577:ALA:HA	1.99	0.45
1:P:32:VAL:C	1:P:36:PRO:CD	2.80	0.45
1:P:148:LEU:HG	1:P:272:THR:OG1	2.16	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:175:ASP:OD1	1:P:240:CYS:HA	2.16	0.45
1:P:250:ALA:HA	1:P:253:TRP:CD1	2.51	0.45
1:P:443:ILE:HD11	1:P:477:ASN:HB3	1.98	0.45
1:P:514:ILE:HD13	1:P:514:ILE:H	1.82	0.45
1:P:999:UNK:C	1:P:1020:UNK:CB	2.95	0.45
1:P:1072:UNK:CB	1:P:1095:UNK:CB	2.95	0.45
1:P:1284:UNK:HA	1:P:1323:UNK:O	2.17	0.45
1:A:201:TYR:CB	1:H:222:HIS:CD2	2.98	0.45
1:A:207:TRP:N	1:A:207:TRP:CD1	2.83	0.45
1:B:27:PHE:CB	1:B:30:LYS:HE2	2.46	0.45
1:B:48:ILE:O	1:B:48:ILE:HG22	2.16	0.45
1:B:139:LEU:CD2	1:B:174:MET:CE	2.95	0.45
1:B:189:PRO:O	1:B:192:VAL:HG22	2.16	0.45
1:B:320:ASN:HA	1:B:321:PRO:HD3	1.71	0.45
1:B:466:TYR:CD1	1:B:466:TYR:C	2.90	0.45
1:B:476:LYS:CB	1:B:527:TYR:CD1	2.93	0.45
1:B:495:ARG:HH22	1:B:549:ILE:CD1	2.30	0.45
1:C:435:ASN:CG	1:C:439:LEU:HD11	2.35	0.45
1:C:437:TYR:CE1	1:C:440:HIS:CD2	3.03	0.45
1:C:999:UNK:C	1:C:1020:UNK:CB	2.95	0.45
1:C:1022:UNK:HA	1:C:1045:UNK:HA	1.98	0.45
1:D:122:LYS:HB2	1:D:304:TYR:CG	2.51	0.45
1:D:148:LEU:HG	1:D:272:THR:OG1	2.16	0.45
1:D:256:PHE:HE2	1:D:262:ILE:CB	2.26	0.45
1:D:268:PHE:HZ	1:D:407:LYS:CB	2.30	0.45
1:D:514:ILE:HD13	1:D:514:ILE:H	1.82	0.45
1:D:546:LEU:HB3	1:D:547:PRO:CD	2.47	0.45
1:E:64:THR:HG23	1:E:65:LEU:N	2.31	0.45
1:E:148:LEU:HG	1:E:272:THR:OG1	2.16	0.45
1:E:369:PHE:CE1	1:E:427:LEU:CD1	2.94	0.45
1:E:372:LEU:HD11	1:E:427:LEU:HD13	1.99	0.45
1:E:999:UNK:C	1:E:1020:UNK:CB	2.95	0.45
1:E:1072:UNK:CB	1:E:1095:UNK:CB	2.95	0.45
1:F:2:ASP:HB2	1:F:97:ARG:NH2	2.31	0.45
1:F:28:ASP:C	1:F:31:ASP:HB2	2.36	0.45
1:F:32:VAL:O	1:F:36:PRO:HD2	2.03	0.45
1:F:139:LEU:CD2	1:F:174:MET:CE	2.95	0.45
1:F:148:LEU:HG	1:F:272:THR:OG1	2.16	0.45
1:F:342:LYS:HD3	1:F:342:LYS:C	2.37	0.45
1:F:381:ILE:HG21	1:F:381:ILE:HD13	1.61	0.45
1:F:408:TYR:O	1:F:409:SER:HB2	2.16	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:520:GLN:HG2	1:F:524:TYR:HE2	1.82	0.45
1:F:629:UNK:CB	1:F:644:UNK:CB	2.94	0.45
1:G:9:GLN:HB3	1:G:62:PHE:CE1	2.51	0.45
1:G:20:GLU:CB	1:G:23:PHE:HD2	2.29	0.45
1:G:65:LEU:HD12	1:G:72:MET:CG	2.45	0.45
1:G:206:ASN:HB3	1:G:207:TRP:H	1.41	0.45
1:G:386:LEU:HD13	1:G:390:TRP:HB2	1.99	0.45
1:G:475:LEU:O	1:G:478:ILE:HG12	2.16	0.45
1:G:538:LEU:CD1	1:G:572:ALA:HB3	2.42	0.45
1:G:609:UNK:CB	1:G:977:UNK:HA	2.47	0.45
1:H:27:PHE:HB2	1:H:30:LYS:CE	2.46	0.45
1:H:122:LYS:HB2	1:H:304:TYR:CG	2.51	0.45
1:H:150:ASP:HA	1:H:266:THR:O	2.17	0.45
1:H:189:PRO:O	1:H:192:VAL:HG22	2.16	0.45
1:H:268:PHE:HZ	1:H:407:LYS:CB	2.30	0.45
1:H:376:PRO:HA	1:H:377:PRO:HD2	1.79	0.45
1:H:386:LEU:HD13	1:H:390:TRP:HB2	1.99	0.45
1:H:525:LYS:HB3	1:H:526:PRO:HD3	1.98	0.45
1:H:562:LEU:HD12	1:H:577:ALA:HA	1.99	0.45
1:I:106:TYR:CG	1:I:169:LYS:HB2	2.50	0.45
1:I:120:PHE:HD1	1:I:121:ALA:N	2.10	0.45
1:I:999:UNK:C	1:I:1020:UNK:CB	2.95	0.45
1:I:1072:UNK:CB	1:I:1095:UNK:CB	2.95	0.45
1:J:28:ASP:OD1	1:J:35:MET:HE1	2.16	0.45
1:J:268:PHE:HZ	1:J:407:LYS:CB	2.30	0.45
1:J:372:LEU:HD11	1:J:427:LEU:HD13	1.98	0.45
1:J:447:TYR:CD1	1:J:482:GLU:HG2	2.51	0.45
1:J:499:GLN:NE2	1:J:554:ILE:HG12	2.30	0.45
1:J:514:ILE:HD13	1:J:514:ILE:H	1.82	0.45
1:J:1052:UNK:CB	1:J:1068:UNK:CB	2.93	0.45
1:K:27:PHE:CB	1:K:30:LYS:HE2	2.46	0.45
1:K:150:ASP:N	1:K:287:HIS:CB	2.74	0.45
1:K:175:ASP:OD1	1:K:240:CYS:HA	2.16	0.45
1:K:203:ILE:HG23	1:K:204:ASP:N	2.31	0.45
1:K:357:LEU:HB2	1:K:430:LYS:NZ	2.30	0.45
1:K:393:VAL:HG12	1:K:394:ILE:H	1.81	0.45
1:K:999:UNK:C	1:K:1020:UNK:CB	2.95	0.45
1:K:1072:UNK:CB	1:K:1095:UNK:CB	2.95	0.45
1:L:139:LEU:CD2	1:L:174:MET:CE	2.95	0.45
1:L:189:PRO:O	1:L:192:VAL:HG22	2.16	0.45
1:L:320:ASN:HA	1:L:321:PRO:HD3	1.71	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:466:TYR:CD1	1:L:466:TYR:C	2.90	0.45
1:L:476:LYS:CB	1:L:527:TYR:CD1	2.93	0.45
1:M:105:MET:HE2	1:M:106:TYR:CE1	2.51	0.45
1:M:201:TYR:CB	1:N:222:HIS:CD2	2.98	0.45
1:M:268:PHE:CD2	1:M:271:VAL:N	2.84	0.45
1:M:386:LEU:HD13	1:M:390:TRP:HB2	1.99	0.45
1:M:525:LYS:HB3	1:M:526:PRO:HD3	1.98	0.45
1:N:1:MET:CE	1:N:65:LEU:CD1	2.95	0.45
1:N:27:PHE:CB	1:N:30:LYS:HE2	2.46	0.45
1:N:121:ALA:HB1	3:N:1402:DTP:H2	1.96	0.45
1:N:376:PRO:HA	1:N:377:PRO:HD2	1.79	0.45
1:N:386:LEU:HD13	1:N:390:TRP:HB2	1.99	0.45
1:N:391:PHE:HD1	1:N:393:VAL:O	2.00	0.45
1:O:7:GLU:CG	1:O:110:ARG:HH21	2.29	0.45
1:O:20:GLU:HB3	1:O:23:PHE:HD2	1.81	0.45
1:O:203:ILE:HG23	1:O:204:ASP:N	2.31	0.45
1:O:514:ILE:HD13	1:O:514:ILE:H	1.82	0.45
1:O:609:UNK:CB	1:O:977:UNK:HA	2.47	0.45
1:P:5:THR:HG23	1:P:73:VAL:HG21	1.97	0.45
1:P:10:TYR:HE1	1:P:167:SER:O	1.98	0.45
1:P:139:LEU:CD2	1:P:174:MET:CE	2.95	0.45
1:P:186:CYS:HB2	1:P:249:ASN:HB2	1.97	0.45
1:P:338:TRP:O	1:P:342:LYS:HB2	2.16	0.45
1:P:342:LYS:HD3	1:P:342:LYS:C	2.37	0.45
1:P:435:ASN:CG	1:P:439:LEU:HD11	2.35	0.45
1:A:64:THR:HG23	1:A:65:LEU:N	2.31	0.45
1:A:65:LEU:HD12	1:A:72:MET:CG	2.45	0.45
1:A:90:SER:HB3	1:A:91:PRO:HD3	1.98	0.45
1:A:193:LEU:CD2	1:A:224:ILE:HD12	2.41	0.45
1:A:256:PHE:HD2	1:A:262:ILE:CG1	2.25	0.45
1:A:447:TYR:HE1	1:A:482:GLU:HG2	1.75	0.45
1:A:495:ARG:CZ	1:A:545:PHE:HE2	2.30	0.45
1:B:7:GLU:HG3	1:B:110:ARG:HH21	1.82	0.45
1:B:9:GLN:HB3	1:B:62:PHE:CE1	2.51	0.45
1:B:90:SER:HB3	1:B:91:PRO:HD3	1.98	0.45
1:B:150:ASP:N	1:B:287:HIS:CB	2.74	0.45
1:B:152:VAL:CG2	1:B:410:LEU:CD1	2.94	0.45
1:B:386:LEU:HD13	1:B:390:TRP:HB2	1.99	0.45
1:B:999:UNK:C	1:B:1020:UNK:CB	2.95	0.45
1:B:1072:UNK:CB	1:B:1095:UNK:CB	2.95	0.45
1:B:1165:UNK:CB	1:B:1202:UNK:CB	2.94	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CZ	1:C:91:PRO:HB2	2.52	0.45
1:C:127:ARG:CG	1:C:292:LEU:CD2	2.95	0.45
1:C:179:PHE:CZ	1:C:237:TYR:HE1	2.34	0.45
1:C:250:ALA:HA	1:C:253:TRP:CD1	2.51	0.45
1:C:393:VAL:HG12	1:C:394:ILE:H	1.81	0.45
1:C:1072:UNK:CB	1:C:1095:UNK:CB	2.95	0.45
1:C:1074:UNK:CB	1:C:1095:UNK:HA	2.47	0.45
1:C:1165:UNK:CB	1:C:1202:UNK:CB	2.94	0.45
1:D:27:PHE:CB	1:D:30:LYS:HE2	2.46	0.45
1:D:301:LEU:CD2	1:D:324:LEU:HD21	2.39	0.45
1:D:372:LEU:HD11	1:D:427:LEU:HD13	1.98	0.45
1:D:1022:UNK:HA	1:D:1045:UNK:HA	1.98	0.45
1:D:1052:UNK:CB	1:D:1068:UNK:CB	2.93	0.45
1:E:65:LEU:HA	1:E:72:MET:HE2	1.95	0.45
1:F:39:ILE:HD12	1:F:39:ILE:HA	1.71	0.45
1:F:203:ILE:HG23	1:F:204:ASP:N	2.31	0.45
1:F:250:ALA:O	1:F:253:TRP:HB2	2.17	0.45
1:F:391:PHE:HD1	1:F:393:VAL:O	2.00	0.45
1:F:562:LEU:HD12	1:F:577:ALA:HA	1.99	0.45
1:F:978:UNK:CB	1:F:981:UNK:CB	2.94	0.45
1:F:1074:UNK:CB	1:F:1095:UNK:HA	2.47	0.45
1:G:20:GLU:HB3	1:G:23:PHE:HD2	1.81	0.45
1:G:139:LEU:CD2	1:G:174:MET:CE	2.95	0.45
1:G:203:ILE:HG23	1:G:204:ASP:N	2.31	0.45
1:G:224:ILE:HA	1:G:227:GLU:HG2	1.97	0.45
1:G:327:ILE:CG2	1:G:331:ILE:CD1	2.95	0.45
1:G:327:ILE:HG12	1:G:345:ASN:CG	2.36	0.45
1:G:443:ILE:HD11	1:G:477:ASN:HB3	1.98	0.45
1:H:1:MET:CE	1:H:65:LEU:CD1	2.95	0.45
1:H:27:PHE:CB	1:H:30:LYS:HE2	2.46	0.45
1:H:342:LYS:HD3	1:H:342:LYS:C	2.37	0.45
1:H:374:VAL:HG12	1:H:446:HIS:CE1	2.51	0.45
1:H:391:PHE:HD1	1:H:393:VAL:O	2.00	0.45
1:H:453:PHE:CD2	1:H:461:PRO:HG2	2.40	0.45
1:I:175:ASP:OD1	1:I:240:CYS:HA	2.16	0.45
1:I:180:TRP:CH2	1:I:243:VAL:HG11	2.50	0.45
1:I:196:LEU:CD1	1:I:224:ILE:CG2	2.94	0.45
1:I:372:LEU:HD11	1:I:427:LEU:HD13	1.99	0.45
1:I:519:GLN:O	1:I:522:LYS:HB2	2.15	0.45
1:J:27:PHE:CB	1:J:30:LYS:HE2	2.46	0.45
1:J:122:LYS:HB2	1:J:304:TYR:CG	2.51	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:148:LEU:HD22	1:J:148:LEU:HA	1.63	0.45
1:J:301:LEU:CD2	1:J:324:LEU:HD21	2.39	0.45
1:J:338:TRP:O	1:J:342:LYS:HB2	2.16	0.45
1:J:483:ARG:HE	1:J:527:TYR:HB2	1.79	0.45
1:J:546:LEU:HB3	1:J:547:PRO:CD	2.47	0.45
1:J:1072:UNK:CB	1:J:1095:UNK:CB	2.95	0.45
1:K:48:ILE:HG12	1:K:61:LEU:CB	2.45	0.45
1:K:125:VAL:CG1	1:K:300:LEU:CD2	2.94	0.45
1:K:221:ILE:HD13	1:K:221:ILE:H	1.82	0.45
1:K:250:ALA:HA	1:K:253:TRP:CD1	2.51	0.45
1:K:488:ARG:HD2	1:K:494:PHE:CA	2.47	0.45
1:K:514:ILE:HD13	1:K:514:ILE:H	1.82	0.45
1:L:7:GLU:HG3	1:L:110:ARG:HH21	1.82	0.45
1:L:20:GLU:HB3	1:L:23:PHE:HD2	1.81	0.45
1:L:27:PHE:CB	1:L:30:LYS:HE2	2.46	0.45
1:L:90:SER:HB3	1:L:91:PRO:HD3	1.98	0.45
1:L:386:LEU:HD13	1:L:390:TRP:HB2	1.99	0.45
1:L:495:ARG:HH22	1:L:549:ILE:CD1	2.30	0.45
1:L:514:ILE:HD13	1:L:514:ILE:H	1.82	0.45
1:L:519:GLN:O	1:L:522:LYS:HB2	2.15	0.45
1:L:999:UNK:C	1:L:1020:UNK:CB	2.95	0.45
1:L:1072:UNK:CB	1:L:1095:UNK:CB	2.95	0.45
1:L:1165:UNK:CB	1:L:1202:UNK:CB	2.94	0.45
1:M:7:GLU:HG3	1:M:110:ARG:HH21	1.82	0.45
1:M:65:LEU:HD12	1:M:72:MET:CG	2.45	0.45
1:M:90:SER:HB3	1:M:91:PRO:HD3	1.98	0.45
1:M:179:PHE:CZ	1:M:237:TYR:HE1	2.34	0.45
1:M:180:TRP:CH2	1:M:243:VAL:HG11	2.50	0.45
1:M:342:LYS:HD3	1:M:342:LYS:C	2.37	0.45
1:M:495:ARG:CZ	1:M:545:PHE:HE2	2.30	0.45
1:N:2:ASP:HB2	1:N:97:ARG:NH2	2.31	0.45
1:N:28:ASP:C	1:N:31:ASP:HB2	2.36	0.45
1:N:150:ASP:HA	1:N:266:THR:O	2.17	0.45
1:N:189:PRO:O	1:N:192:VAL:HG22	2.16	0.45
1:N:268:PHE:HZ	1:N:407:LYS:CB	2.30	0.45
1:N:525:LYS:HB3	1:N:526:PRO:HD3	1.98	0.45
1:O:24:VAL:CG2	1:O:27:PHE:CE2	2.94	0.45
1:O:65:LEU:HD12	1:O:72:MET:CG	2.45	0.45
1:O:120:PHE:CZ	1:O:122:LYS:CD	2.98	0.45
1:O:139:LEU:CD2	1:O:174:MET:CE	2.95	0.45
1:O:327:ILE:HG12	1:O:345:ASN:CG	2.36	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:386:LEU:HD13	1:O:390:TRP:HB2	1.99	0.45
1:O:443:ILE:HD11	1:O:477:ASN:HB3	1.98	0.45
1:P:32:VAL:O	1:P:36:PRO:HD2	2.03	0.45
1:P:120:PHE:CZ	1:P:122:LYS:CD	2.98	0.45
1:P:196:LEU:CD1	1:P:224:ILE:CG2	2.94	0.45
1:P:250:ALA:O	1:P:253:TRP:HB2	2.17	0.45
1:P:325:SER:OG	3:P:1402:DTP:H1'	2.15	0.45
1:P:368:MET:CG	1:P:390:TRP:NE1	2.78	0.45
1:P:376:PRO:HA	1:P:377:PRO:HD2	1.79	0.45
1:P:391:PHE:HD1	1:P:393:VAL:O	2.00	0.45
1:P:408:TYR:O	1:P:409:SER:HB2	2.16	0.45
1:P:497:LEU:HD23	1:P:497:LEU:HA	1.61	0.45
1:P:520:GLN:HG2	1:P:524:TYR:HE2	1.82	0.45
1:P:562:LEU:HD12	1:P:577:ALA:HA	1.99	0.45
1:P:629:UNK:CB	1:P:644:UNK:CB	2.94	0.45
1:P:978:UNK:CB	1:P:981:UNK:CB	2.94	0.45
1:P:1074:UNK:CB	1:P:1095:UNK:HA	2.47	0.45
1:A:7:GLU:HG3	1:A:110:ARG:HH21	1.82	0.45
1:A:69:GLN:HE21	1:A:72:MET:H	1.62	0.45
1:A:105:MET:HE2	1:A:106:TYR:CE1	2.51	0.45
1:A:139:LEU:CD2	1:A:174:MET:CE	2.95	0.45
1:A:179:PHE:CZ	1:A:237:TYR:HE1	2.34	0.45
1:A:224:ILE:HA	1:A:227:GLU:HG2	1.97	0.45
1:A:301:LEU:CD1	1:A:305:LEU:HG	2.47	0.45
1:A:327:ILE:CG2	1:A:331:ILE:CD1	2.95	0.45
1:A:327:ILE:HG12	1:A:345:ASN:CG	2.36	0.45
1:A:342:LYS:HD3	1:A:342:LYS:C	2.37	0.45
1:A:525:LYS:HB3	1:A:526:PRO:HD3	1.98	0.45
1:A:710:UNK:CB	1:A:739:UNK:CB	2.95	0.45
1:A:1072:UNK:CB	1:A:1095:UNK:CB	2.95	0.45
1:B:221:ILE:HD13	1:B:221:ILE:H	1.82	0.45
1:B:514:ILE:HD13	1:B:514:ILE:H	1.82	0.45
1:B:538:LEU:CD1	1:B:572:ALA:CB	2.93	0.45
1:B:546:LEU:HB3	1:B:547:PRO:CD	2.47	0.45
1:C:1:MET:CE	1:C:65:LEU:CD1	2.95	0.45
1:C:12:TYR:CZ	1:C:15:ILE:CD1	2.93	0.45
1:C:27:PHE:CB	1:C:30:LYS:HE2	2.46	0.45
1:C:56:SER:CA	1:C:128:LEU:CD2	2.94	0.45
1:C:92:ILE:HG23	1:C:93:LYS:N	2.31	0.45
1:C:122:LYS:HB2	1:C:304:TYR:CG	2.51	0.45
1:C:125:VAL:CG1	1:C:300:LEU:CD2	2.94	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:189:PRO:O	1:C:192:VAL:HG22	2.16	0.45
1:C:488:ARG:HD2	1:C:494:PHE:CA	2.47	0.45
1:C:514:ILE:HD13	1:C:514:ILE:H	1.82	0.45
1:D:21:ASP:O	1:D:22:ALA:HB3	2.16	0.45
1:D:37:LYS:CD	1:D:39:ILE:HB	2.44	0.45
1:D:65:LEU:HD12	1:D:72:MET:CG	2.46	0.45
1:D:127:ARG:CG	1:D:292:LEU:CD2	2.95	0.45
1:D:150:ASP:HA	1:D:266:THR:O	2.17	0.45
1:D:250:ALA:O	1:D:253:TRP:HB2	2.17	0.45
1:D:338:TRP:O	1:D:342:LYS:HB2	2.16	0.45
1:D:495:ARG:CB	1:D:561:LEU:HD11	2.45	0.45
1:D:497:LEU:HD23	1:D:497:LEU:HA	1.61	0.45
1:D:499:GLN:NE2	1:D:554:ILE:HG12	2.30	0.45
1:D:1072:UNK:CB	1:D:1095:UNK:CB	2.95	0.45
1:E:7:GLU:HG3	1:E:110:ARG:HH21	1.82	0.45
1:E:21:ASP:O	1:E:22:ALA:HB3	2.16	0.45
1:E:175:ASP:OD1	1:E:240:CYS:HA	2.16	0.45
1:E:519:GLN:O	1:E:522:LYS:HB2	2.15	0.45
1:E:546:LEU:HB3	1:E:547:PRO:CD	2.47	0.45
1:E:710:UNK:CB	1:E:739:UNK:CB	2.95	0.45
1:F:40:LEU:CG	1:F:64:THR:HG21	2.33	0.45
1:F:106:TYR:CG	1:F:169:LYS:HB2	2.50	0.45
1:F:120:PHE:CE1	1:F:122:LYS:CD	2.95	0.45
1:F:125:VAL:CG1	1:F:300:LEU:CD2	2.94	0.45
1:F:148:LEU:HD22	1:F:264:LEU:HD13	1.96	0.45
1:F:186:CYS:HB2	1:F:249:ASN:HB2	1.97	0.45
1:F:196:LEU:CD1	1:F:224:ILE:CG2	2.94	0.45
1:F:224:ILE:HA	1:F:227:GLU:HG2	1.97	0.45
1:F:325:SER:OG	3:F:1402:DTP:H1'	2.15	0.45
1:F:435:ASN:CG	1:F:439:LEU:HD11	2.35	0.45
1:F:488:ARG:HD2	1:F:494:PHE:CA	2.47	0.45
1:G:120:PHE:CZ	1:G:122:LYS:CD	2.98	0.45
1:G:250:ALA:O	1:G:253:TRP:HB2	2.17	0.45
1:G:999:UNK:C	1:G:1020:UNK:CB	2.95	0.45
1:H:100:SER:HB3	1:H:102:MET:CE	2.46	0.45
1:H:256:PHE:HD2	1:H:262:ILE:CG1	2.25	0.45
1:H:276:SER:HB3	1:H:282:HIS:HB2	1.97	0.45
1:H:384:ILE:CG2	1:H:463:LEU:HD22	2.39	0.45
1:H:495:ARG:CZ	1:H:545:PHE:HE2	2.30	0.45
1:H:520:GLN:HG2	1:H:524:TYR:HE2	1.82	0.45
1:I:21:ASP:O	1:I:22:ALA:HB3	2.16	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:56:SER:CA	1:I:128:LEU:CD2	2.94	0.45
1:I:546:LEU:HB3	1:I:547:PRO:CD	2.47	0.45
1:I:710:UNK:CB	1:I:739:UNK:CB	2.95	0.45
1:J:21:ASP:O	1:J:22:ALA:HB3	2.16	0.45
1:J:119:VAL:CB	1:K:278:ALA:N	2.79	0.45
1:J:127:ARG:CG	1:J:292:LEU:CD2	2.95	0.45
1:J:150:ASP:HA	1:J:266:THR:O	2.17	0.45
1:J:250:ALA:O	1:J:253:TRP:HB2	2.17	0.45
1:J:443:ILE:HD11	1:J:477:ASN:HB3	1.98	0.45
1:J:495:ARG:CZ	1:J:545:PHE:HE2	2.30	0.45
1:K:122:LYS:HB2	1:K:304:TYR:CG	2.50	0.45
1:K:127:ARG:CG	1:K:292:LEU:CD2	2.95	0.45
1:K:139:LEU:CD2	1:K:174:MET:CE	2.95	0.45
1:K:179:PHE:CZ	1:K:237:TYR:HE1	2.34	0.45
1:K:250:ALA:O	1:K:253:TRP:HB2	2.17	0.45
1:K:483:ARG:O	1:K:487:PHE:HD1	1.98	0.45
1:K:1074:UNK:CB	1:K:1095:UNK:HA	2.47	0.45
1:K:1165:UNK:CB	1:K:1202:UNK:CB	2.94	0.45
1:L:9:GLN:HB3	1:L:62:PHE:CE1	2.51	0.45
1:L:27:PHE:HB2	1:L:30:LYS:CE	2.46	0.45
1:L:65:LEU:HD12	1:L:72:MET:CG	2.46	0.45
1:L:123:TYR:CD2	1:L:303:LYS:HG2	2.52	0.45
1:L:152:VAL:CG2	1:L:410:LEU:CD1	2.94	0.45
1:L:262:ILE:CG2	1:L:264:LEU:CD1	2.94	0.45
1:L:546:LEU:HB3	1:L:547:PRO:CD	2.47	0.45
1:M:68:LYS:CB	1:M:72:MET:HB2	2.47	0.45
1:M:69:GLN:HE21	1:M:72:MET:H	1.62	0.45
1:M:139:LEU:CD2	1:M:174:MET:CE	2.95	0.45
1:M:207:TRP:N	1:M:207:TRP:CD1	2.83	0.45
1:M:224:ILE:HA	1:M:227:GLU:HG2	1.97	0.45
1:M:322:ARG:HB2	1:M:322:ARG:HH11	1.82	0.45
1:M:327:ILE:CG2	1:M:331:ILE:CD1	2.95	0.45
1:M:327:ILE:HG12	1:M:345:ASN:CG	2.36	0.45
1:M:710:UNK:CB	1:M:739:UNK:CB	2.95	0.45
1:M:1072:UNK:CB	1:M:1095:UNK:CB	2.95	0.45
1:N:123:TYR:CD2	1:N:303:LYS:HG2	2.52	0.45
1:N:193:LEU:HD23	1:N:193:LEU:HA	1.78	0.45
1:N:322:ARG:HB2	1:N:322:ARG:HH11	1.82	0.45
1:N:342:LYS:HD3	1:N:342:LYS:C	2.37	0.45
1:O:250:ALA:O	1:O:253:TRP:HB2	2.17	0.45
1:O:327:ILE:CG2	1:O:331:ILE:CD1	2.95	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:538:LEU:CD1	1:O:572:ALA:HB3	2.42	0.45
1:P:2:ASP:HB2	1:P:97:ARG:NH2	2.31	0.45
1:P:106:TYR:CG	1:P:169:LYS:HB2	2.50	0.45
1:P:148:LEU:HD22	1:P:264:LEU:HD13	1.96	0.45
1:P:488:ARG:HD2	1:P:494:PHE:CA	2.47	0.45
1:A:21:ASP:O	1:A:22:ALA:HB3	2.16	0.45
1:A:203:ILE:HG23	1:A:204:ASP:N	2.31	0.45
1:A:443:ILE:HD11	1:A:477:ASN:HB3	1.98	0.45
1:B:20:GLU:CB	1:B:23:PHE:HD2	2.29	0.45
1:B:20:GLU:HB3	1:B:23:PHE:HD2	1.81	0.45
1:B:27:PHE:HB2	1:B:30:LYS:CE	2.46	0.45
1:B:65:LEU:HD12	1:B:72:MET:CG	2.46	0.45
1:B:123:TYR:CD2	1:B:303:LYS:HG2	2.52	0.45
1:B:127:ARG:CG	1:B:292:LEU:CD2	2.95	0.45
1:B:183:LEU:N	1:B:183:LEU:HD22	2.32	0.45
1:B:403:ASN:HA	1:B:406:HIS:HB2	1.98	0.45
1:B:710:UNK:CB	1:B:739:UNK:CB	2.95	0.45
1:C:100:SER:HB3	1:C:102:MET:CE	2.46	0.45
1:C:139:LEU:CD2	1:C:174:MET:CE	2.95	0.45
1:C:183:LEU:N	1:C:183:LEU:HD22	2.32	0.45
1:C:250:ALA:O	1:C:253:TRP:HB2	2.17	0.45
1:C:278:ALA:N	1:D:119:VAL:CB	2.79	0.45
1:C:1118:UNK:HA	1:C:1126:UNK:HA	1.99	0.45
1:D:181:LEU:CD1	1:D:199:LEU:CD2	2.94	0.45
1:D:203:ILE:HG23	1:D:231:LEU:CD2	2.36	0.45
1:D:301:LEU:CD1	1:D:305:LEU:CD1	2.95	0.45
1:D:391:PHE:HD1	1:D:393:VAL:O	2.00	0.45
1:D:443:ILE:HD11	1:D:477:ASN:HB3	1.98	0.45
1:D:483:ARG:O	1:D:487:PHE:HD1	1.98	0.45
1:D:495:ARG:CZ	1:D:545:PHE:HE2	2.30	0.45
1:D:999:UNK:C	1:D:1020:UNK:CB	2.95	0.45
1:E:37:LYS:CG	1:E:38:SER:N	2.80	0.45
1:E:56:SER:CA	1:E:128:LEU:CD2	2.94	0.45
1:E:120:PHE:HD1	1:E:121:ALA:N	2.10	0.45
1:E:123:TYR:CD2	1:E:303:LYS:HG2	2.51	0.45
1:E:124:ASN:HB3	3:E:1402:DTP:N6	2.29	0.45
1:E:125:VAL:N	1:E:300:LEU:CB	2.80	0.45
1:E:139:LEU:CD2	1:E:174:MET:CE	2.95	0.45
1:E:157:LYS:HD3	3:E:1402:DTP:O2B	2.17	0.45
1:E:196:LEU:CD1	1:E:224:ILE:CG2	2.94	0.45
1:E:250:ALA:O	1:E:253:TRP:HB2	2.17	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:429:LEU:HA	1:E:432:LYS:NZ	2.30	0.45
1:E:514:ILE:HD13	1:E:514:ILE:H	1.82	0.45
1:F:20:GLU:CB	1:F:23:PHE:HD2	2.29	0.45
1:F:120:PHE:CZ	1:F:122:LYS:CD	2.98	0.45
1:F:181:LEU:CD1	1:F:199:LEU:CD2	2.94	0.45
1:F:259:SER:HB3	1:F:260:CYS:H	1.49	0.45
1:F:272:THR:CG2	1:F:282:HIS:NE2	2.80	0.45
1:F:327:ILE:CG2	1:F:331:ILE:CD1	2.95	0.45
1:F:376:PRO:HA	1:F:377:PRO:HD2	1.79	0.45
1:F:475:LEU:O	1:F:478:ILE:HG12	2.16	0.45
1:G:12:TYR:CZ	1:G:91:PRO:HB2	2.52	0.45
1:G:60:ARG:HH21	1:G:128:LEU:HD11	1.79	0.45
1:G:272:THR:CG2	1:G:282:HIS:NE2	2.80	0.45
1:H:121:ALA:HB1	3:H:1402:DTP:H2	1.96	0.45
1:H:123:TYR:CD2	1:H:303:LYS:HG2	2.52	0.45
1:H:314:ARG:CG	1:H:341:TRP:CH2	2.99	0.45
1:H:322:ARG:HB2	1:H:322:ARG:HH11	1.82	0.45
1:H:391:PHE:HD1	1:H:398:VAL:HG11	1.72	0.45
1:H:546:LEU:HB3	1:H:547:PRO:CD	2.47	0.45
1:H:843:UNK:CB	1:H:889:UNK:CB	2.95	0.45
1:I:7:GLU:HG3	1:I:110:ARG:HH21	1.82	0.45
1:I:139:LEU:CD2	1:I:174:MET:CE	2.95	0.45
1:I:157:LYS:HD3	3:I:1402:DTP:O2B	2.17	0.45
1:I:203:ILE:HG23	1:I:231:LEU:CD2	2.36	0.45
1:I:250:ALA:O	1:I:253:TRP:HB2	2.17	0.45
1:I:429:LEU:HA	1:I:432:LYS:NZ	2.30	0.45
1:J:186:CYS:CB	1:J:249:ASN:HB3	2.44	0.45
1:J:391:PHE:HD1	1:J:393:VAL:O	2.00	0.45
1:J:495:ARG:CB	1:J:561:LEU:HD11	2.45	0.45
1:J:999:UNK:C	1:J:1020:UNK:CA	2.94	0.45
1:J:999:UNK:C	1:J:1020:UNK:CB	2.95	0.45
1:J:1022:UNK:HA	1:J:1045:UNK:HA	1.98	0.45
1:K:56:SER:CA	1:K:128:LEU:CD2	2.94	0.45
1:K:100:SER:HB3	1:K:102:MET:CE	2.46	0.45
1:K:224:ILE:HA	1:K:227:GLU:HG2	1.97	0.45
1:K:374:VAL:HG12	1:K:446:HIS:CE1	2.51	0.45
1:L:35:MET:N	1:L:36:PRO:HD2	2.32	0.45
1:L:37:LYS:CD	1:L:39:ILE:HB	2.44	0.45
1:L:125:VAL:CG1	1:L:300:LEU:CD2	2.94	0.45
1:L:127:ARG:CG	1:L:292:LEU:CD2	2.95	0.45
1:L:183:LEU:N	1:L:183:LEU:HD22	2.32	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:221:ILE:HD13	1:L:221:ILE:H	1.82	0.45
1:L:268:PHE:HZ	1:L:407:LYS:CB	2.30	0.45
1:L:301:LEU:CD1	1:L:305:LEU:HG	2.47	0.45
1:L:391:PHE:HD1	1:L:393:VAL:O	2.00	0.45
1:L:403:ASN:HA	1:L:406:HIS:HB2	1.98	0.45
1:L:609:UNK:CB	1:L:977:UNK:HA	2.47	0.45
1:L:1074:UNK:CB	1:L:1095:UNK:HA	2.47	0.45
1:M:58:THR:HG23	1:M:59:LEU:N	2.32	0.45
1:M:64:THR:HG23	1:M:65:LEU:N	2.31	0.45
1:M:301:LEU:CD1	1:M:305:LEU:HG	2.47	0.45
1:M:495:ARG:HH22	1:M:549:ILE:CD1	2.29	0.45
1:N:35:MET:N	1:N:36:PRO:HD2	2.32	0.45
1:N:100:SER:HB3	1:N:102:MET:CE	2.46	0.45
1:N:125:VAL:N	1:N:300:LEU:CB	2.80	0.45
1:N:250:ALA:HA	1:N:253:TRP:CD1	2.51	0.45
1:N:374:VAL:HG12	1:N:446:HIS:CE1	2.51	0.45
1:N:520:GLN:HG2	1:N:524:TYR:HE2	1.82	0.45
1:N:546:LEU:HB3	1:N:547:PRO:CD	2.47	0.45
1:N:843:UNK:CB	1:N:889:UNK:CB	2.95	0.45
1:O:64:THR:HG23	1:O:65:LEU:N	2.31	0.45
1:O:149:ILE:HG21	1:O:149:ILE:HD13	1.40	0.45
1:O:203:ILE:HG23	1:O:231:LEU:CD2	2.36	0.45
1:O:272:THR:CG2	1:O:282:HIS:NE2	2.80	0.45
1:O:495:ARG:HH22	1:O:549:ILE:CD1	2.29	0.45
1:O:520:GLN:HG2	1:O:524:TYR:HE2	1.82	0.45
1:O:999:UNK:C	1:O:1020:UNK:CB	2.95	0.45
1:P:9:GLN:HB3	1:P:62:PHE:CE1	2.51	0.45
1:P:120:PHE:CE1	1:P:122:LYS:CD	2.95	0.45
1:P:125:VAL:CG1	1:P:300:LEU:CD2	2.94	0.45
1:P:203:ILE:HG23	1:P:204:ASP:N	2.31	0.45
1:P:272:THR:CG2	1:P:282:HIS:NE2	2.80	0.45
1:A:12:TYR:CZ	1:A:91:PRO:HB2	2.52	0.45
1:A:58:THR:HG23	1:A:59:LEU:N	2.32	0.45
1:A:322:ARG:HB2	1:A:322:ARG:HH11	1.82	0.45
1:A:562:LEU:HD12	1:A:577:ALA:HA	1.99	0.45
1:A:1074:UNK:CB	1:A:1095:UNK:HA	2.47	0.45
1:B:21:ASP:O	1:B:22:ALA:HB3	2.16	0.45
1:B:35:MET:N	1:B:36:PRO:HD2	2.32	0.45
1:B:51:SER:HB3	1:B:56:SER:CB	2.47	0.45
1:B:125:VAL:CG1	1:B:300:LEU:CD2	2.94	0.45
1:B:181:LEU:CD1	1:B:199:LEU:CD2	2.94	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:262:ILE:CG2	1:B:264:LEU:CD1	2.94	0.45
1:B:268:PHE:HZ	1:B:407:LYS:CB	2.30	0.45
1:B:301:LEU:CD1	1:B:305:LEU:HG	2.47	0.45
1:B:342:LYS:HD3	1:B:342:LYS:C	2.37	0.45
1:B:391:PHE:HD1	1:B:393:VAL:O	2.00	0.45
1:B:396:SER:O	1:B:399:MET:HB2	2.17	0.45
1:B:495:ARG:CB	1:B:561:LEU:HD11	2.45	0.45
1:B:515:LEU:CD1	1:B:519:GLN:CB	2.95	0.45
1:B:609:UNK:CB	1:B:977:UNK:HA	2.47	0.45
1:B:1074:UNK:CB	1:B:1095:UNK:HA	2.47	0.45
1:B:1118:UNK:HA	1:B:1126:UNK:HA	1.99	0.45
1:C:152:VAL:CG2	1:C:410:LEU:CD1	2.94	0.45
1:C:268:PHE:CD2	1:C:271:VAL:N	2.84	0.45
1:C:301:LEU:CD1	1:C:305:LEU:HG	2.47	0.45
1:C:314:ARG:CG	1:C:341:TRP:CH2	2.99	0.45
1:C:374:VAL:HG12	1:C:446:HIS:CE1	2.51	0.45
1:C:408:TYR:O	1:C:409:SER:HB2	2.16	0.45
1:C:483:ARG:O	1:C:487:PHE:HD1	1.98	0.45
1:C:843:UNK:CB	1:C:889:UNK:CB	2.95	0.45
1:D:125:VAL:N	1:D:300:LEU:CB	2.80	0.45
1:D:301:LEU:CD1	1:D:305:LEU:HG	2.47	0.45
1:D:342:LYS:HD3	1:D:342:LYS:C	2.37	0.45
1:D:390:TRP:HD1	1:D:398:VAL:CB	2.30	0.45
1:D:476:LYS:CB	1:D:527:TYR:CD1	2.93	0.45
1:D:1118:UNK:HA	1:D:1126:UNK:HA	1.99	0.45
1:E:35:MET:HE1	1:E:61:LEU:HD22	1.99	0.45
1:E:127:ARG:CG	1:E:292:LEU:CD2	2.95	0.45
1:E:189:PRO:O	1:E:192:VAL:HG22	2.16	0.45
1:E:203:ILE:HG23	1:E:231:LEU:CD2	2.36	0.45
1:E:1074:UNK:CB	1:E:1095:UNK:HA	2.47	0.45
1:F:100:SER:HB3	1:F:102:MET:CE	2.46	0.45
1:F:268:PHE:HZ	1:F:407:LYS:CB	2.30	0.45
1:F:546:LEU:HB3	1:F:547:PRO:CD	2.47	0.45
1:G:24:VAL:CG2	1:G:27:PHE:CE2	2.94	0.45
1:G:64:THR:HG23	1:G:65:LEU:N	2.31	0.45
1:G:123:TYR:CD2	1:G:303:LYS:HG2	2.51	0.45
1:G:152:VAL:CG2	1:G:410:LEU:CD1	2.94	0.45
1:G:268:PHE:HZ	1:G:407:LYS:CB	2.30	0.45
1:G:520:GLN:HG2	1:G:524:TYR:HE2	1.82	0.45
1:G:629:UNK:CB	1:G:644:UNK:CB	2.94	0.45
1:G:1072:UNK:CB	1:G:1095:UNK:CB	2.95	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:1284:UNK:HA	1:G:1323:UNK:O	2.17	0.45
1:H:35:MET:N	1:H:36:PRO:HD2	2.32	0.45
1:H:58:THR:HG23	1:H:59:LEU:N	2.32	0.45
1:H:68:LYS:CB	1:H:72:MET:HB2	2.47	0.45
1:H:124:ASN:HB3	3:H:1402:DTP:N6	2.29	0.45
1:H:125:VAL:N	1:H:300:LEU:CB	2.80	0.45
1:H:235:LYS:HB2	1:H:237:TYR:HE2	1.78	0.45
1:H:250:ALA:HA	1:H:253:TRP:CD1	2.51	0.45
1:H:327:ILE:HG12	1:H:345:ASN:CG	2.36	0.45
1:H:488:ARG:HD2	1:H:494:PHE:CA	2.47	0.45
1:H:602:UNK:C	1:H:1000:UNK:CB	2.95	0.45
1:H:1072:UNK:CB	1:H:1095:UNK:CB	2.95	0.45
1:I:35:MET:HE1	1:I:61:LEU:HD22	1.99	0.45
1:I:37:LYS:CG	1:I:38:SER:N	2.80	0.45
1:I:92:ILE:HG23	1:I:93:LYS:N	2.31	0.45
1:I:123:TYR:CD2	1:I:303:LYS:HG2	2.51	0.45
1:I:374:VAL:HG12	1:I:446:HIS:CE1	2.51	0.45
1:I:1074:UNK:CB	1:I:1095:UNK:HA	2.47	0.45
1:J:12:TYR:CZ	1:J:91:PRO:HB2	2.52	0.45
1:J:65:LEU:HD12	1:J:72:MET:CG	2.46	0.45
1:J:125:VAL:N	1:J:300:LEU:CB	2.80	0.45
1:J:125:VAL:CG1	1:J:300:LEU:CD2	2.94	0.45
1:J:181:LEU:CD1	1:J:199:LEU:CD2	2.94	0.45
1:J:196:LEU:CD1	1:J:224:ILE:CG2	2.94	0.45
1:J:342:LYS:HD3	1:J:342:LYS:C	2.37	0.45
1:J:390:TRP:HD1	1:J:398:VAL:CB	2.30	0.45
1:J:483:ARG:O	1:J:487:PHE:HD1	1.98	0.45
1:J:519:GLN:CG	1:J:523:PHE:CZ	2.94	0.45
1:J:1118:UNK:HA	1:J:1126:UNK:HA	1.99	0.45
1:K:92:ILE:HG23	1:K:93:LYS:N	2.31	0.45
1:K:183:LEU:N	1:K:183:LEU:HD22	2.32	0.45
1:K:189:PRO:O	1:K:192:VAL:HG22	2.16	0.45
1:K:256:PHE:CE2	1:K:262:ILE:CB	2.93	0.45
1:K:403:ASN:HA	1:K:406:HIS:HB2	1.98	0.45
1:K:843:UNK:CB	1:K:889:UNK:CB	2.95	0.45
1:K:1118:UNK:HA	1:K:1126:UNK:HA	1.99	0.45
1:L:20:GLU:CB	1:L:23:PHE:HD2	2.29	0.45
1:L:21:ASP:O	1:L:22:ALA:HB3	2.16	0.45
1:L:396:SER:O	1:L:399:MET:HB2	2.17	0.45
1:L:515:LEU:CD1	1:L:519:GLN:CB	2.95	0.45
1:L:538:LEU:CD1	1:L:572:ALA:CB	2.93	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:710:UNK:CB	1:L:739:UNK:CB	2.95	0.45
1:M:12:TYR:CZ	1:M:91:PRO:HB2	2.52	0.45
1:M:21:ASP:O	1:M:22:ALA:HB3	2.16	0.45
1:M:32:VAL:C	1:M:36:PRO:CD	2.80	0.45
1:M:268:PHE:HD1	1:M:268:PHE:HA	1.62	0.45
1:M:443:ILE:HD11	1:M:477:ASN:HB3	1.98	0.45
1:M:519:GLN:CG	1:M:523:PHE:CZ	2.94	0.45
1:M:562:LEU:HD12	1:M:577:ALA:HA	1.99	0.45
1:M:1284:UNK:HA	1:M:1323:UNK:O	2.17	0.45
1:N:58:THR:HG23	1:N:59:LEU:N	2.32	0.45
1:N:68:LYS:CB	1:N:72:MET:HB2	2.47	0.45
1:N:124:ASN:HB3	3:N:1402:DTP:N6	2.29	0.45
1:N:207:TRP:N	1:N:207:TRP:CD1	2.83	0.45
1:N:276:SER:HB3	1:N:282:HIS:HB2	1.97	0.45
1:N:314:ARG:CG	1:N:341:TRP:CH2	2.99	0.45
1:N:327:ILE:HG22	1:N:331:ILE:CD1	2.44	0.45
1:N:327:ILE:HG12	1:N:345:ASN:CG	2.36	0.45
1:N:408:TYR:O	1:N:409:SER:HB2	2.16	0.45
1:N:443:ILE:HD11	1:N:477:ASN:HB3	1.98	0.45
1:N:447:TYR:CD1	1:N:482:GLU:HG2	2.51	0.45
1:N:488:ARG:HD2	1:N:494:PHE:CA	2.47	0.45
1:N:495:ARG:CZ	1:N:545:PHE:HE2	2.30	0.45
1:N:1072:UNK:CB	1:N:1095:UNK:CB	2.95	0.45
1:O:1:MET:CE	1:O:65:LEU:CD1	2.94	0.45
1:O:12:TYR:CZ	1:O:91:PRO:HB2	2.52	0.45
1:O:60:ARG:HH21	1:O:128:LEU:HD11	1.79	0.45
1:O:123:TYR:CD2	1:O:303:LYS:HG2	2.51	0.45
1:O:268:PHE:HZ	1:O:407:LYS:CB	2.30	0.45
1:O:629:UNK:CB	1:O:644:UNK:CB	2.94	0.45
1:O:1072:UNK:CB	1:O:1095:UNK:CB	2.95	0.45
1:P:20:GLU:CB	1:P:23:PHE:HD2	2.29	0.45
1:P:39:ILE:HD12	1:P:39:ILE:HA	1.71	0.45
1:P:150:ASP:HA	1:P:266:THR:O	2.17	0.45
1:P:181:LEU:CD1	1:P:199:LEU:CD2	2.94	0.45
1:P:327:ILE:CG2	1:P:331:ILE:CD1	2.95	0.45
1:P:475:LEU:O	1:P:478:ILE:HG12	2.16	0.45
1:P:546:LEU:HB3	1:P:547:PRO:CD	2.47	0.45
1:P:609:UNK:CB	1:P:977:UNK:HA	2.47	0.45
1:A:32:VAL:C	1:A:36:PRO:CD	2.80	0.45
1:A:68:LYS:CB	1:A:72:MET:HB2	2.47	0.45
1:A:183:LEU:HD22	1:A:183:LEU:N	2.32	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:196:LEU:CD2	1:A:224:ILE:CG2	2.94	0.45
1:A:301:LEU:HD13	1:A:328:ALA:CB	2.45	0.45
1:A:301:LEU:CD1	1:A:305:LEU:CD1	2.95	0.45
1:A:391:PHE:HD1	1:A:393:VAL:O	2.00	0.45
1:A:495:ARG:HH22	1:A:549:ILE:CD1	2.30	0.45
1:A:609:UNK:CB	1:A:977:UNK:HA	2.47	0.45
1:A:999:UNK:C	1:A:1020:UNK:CB	2.95	0.45
1:A:1118:UNK:HA	1:A:1126:UNK:HA	1.99	0.45
1:A:1284:UNK:HA	1:A:1323:UNK:O	2.17	0.45
1:B:37:LYS:CD	1:B:39:ILE:HB	2.44	0.45
1:C:28:ASP:C	1:C:31:ASP:HB2	2.36	0.45
1:C:32:VAL:C	1:C:36:PRO:CD	2.80	0.45
1:C:58:THR:HG23	1:C:59:LEU:N	2.32	0.45
1:C:224:ILE:HA	1:C:227:GLU:HG2	1.97	0.45
1:C:338:TRP:O	1:C:342:LYS:HB2	2.16	0.45
1:C:386:LEU:HD13	1:C:390:TRP:HB2	1.99	0.45
1:C:390:TRP:HD1	1:C:398:VAL:CB	2.30	0.45
1:C:391:PHE:HD1	1:C:393:VAL:O	2.00	0.45
1:C:403:ASN:HA	1:C:406:HIS:HB2	1.98	0.45
1:C:546:LEU:HB3	1:C:547:PRO:CD	2.47	0.45
1:D:12:TYR:CZ	1:D:91:PRO:HB2	2.52	0.45
1:D:56:SER:CA	1:D:128:LEU:CD2	2.94	0.45
1:D:125:VAL:CG1	1:D:300:LEU:CD2	2.94	0.45
1:D:196:LEU:CD1	1:D:224:ILE:CG2	2.94	0.45
1:D:368:MET:CG	1:D:390:TRP:NE1	2.78	0.45
1:D:408:TYR:O	1:D:409:SER:HB2	2.16	0.45
1:D:999:UNK:C	1:D:1020:UNK:CA	2.94	0.45
1:E:60:ARG:HH21	1:E:128:LEU:HD11	1.79	0.45
1:E:92:ILE:HG23	1:E:93:LYS:N	2.31	0.45
1:E:100:SER:HB3	1:E:102:MET:CE	2.46	0.45
1:E:181:LEU:CD1	1:E:199:LEU:CD2	2.94	0.45
1:E:288:HIS:CG	1:E:289:SER:N	2.85	0.45
1:E:374:VAL:HG12	1:E:446:HIS:CE1	2.51	0.45
1:E:443:ILE:HD11	1:E:477:ASN:HB3	1.98	0.45
1:E:483:ARG:O	1:E:487:PHE:HD1	1.98	0.45
1:E:609:UNK:CB	1:E:977:UNK:HA	2.47	0.45
1:F:150:ASP:HA	1:F:266:THR:O	2.17	0.45
1:F:196:LEU:CD2	1:F:224:ILE:CG2	2.94	0.45
1:F:301:LEU:CD1	1:F:305:LEU:HG	2.47	0.45
1:F:374:VAL:HG12	1:F:446:HIS:CE1	2.51	0.45
1:F:609:UNK:CB	1:F:977:UNK:HA	2.47	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:1:MET:CE	1:G:65:LEU:CD1	2.95	0.45
1:G:149:ILE:HG21	1:G:149:ILE:HD13	1.40	0.45
1:G:250:ALA:HA	1:G:253:TRP:CD1	2.51	0.45
1:G:288:HIS:CG	1:G:289:SER:N	2.85	0.45
1:G:495:ARG:HH22	1:G:549:ILE:CD1	2.30	0.45
1:H:20:GLU:CB	1:H:23:PHE:HD2	2.29	0.45
1:H:207:TRP:N	1:H:207:TRP:CD1	2.83	0.45
1:H:408:TYR:O	1:H:409:SER:HB2	2.16	0.45
1:H:443:ILE:HD11	1:H:477:ASN:HB3	1.98	0.45
1:H:447:TYR:CD1	1:H:482:GLU:HG2	2.51	0.45
1:I:10:TYR:HE1	1:I:167:SER:CA	2.30	0.45
1:I:100:SER:HB3	1:I:102:MET:CE	2.46	0.45
1:I:124:ASN:HB3	3:I:1402:DTP:N6	2.29	0.45
1:I:127:ARG:CG	1:I:292:LEU:CD2	2.95	0.45
1:I:181:LEU:CD1	1:I:199:LEU:CD2	2.94	0.45
1:I:189:PRO:O	1:I:192:VAL:HG22	2.16	0.45
1:I:288:HIS:CG	1:I:289:SER:N	2.85	0.45
1:I:301:LEU:CD1	1:I:328:ALA:HB2	2.45	0.45
1:I:514:ILE:HD13	1:I:514:ILE:H	1.82	0.45
1:I:609:UNK:CB	1:I:977:UNK:HA	2.47	0.45
1:J:203:ILE:HG23	1:J:204:ASP:N	2.31	0.45
1:J:204:ASP:CG	1:J:235:LYS:HZ1	2.21	0.45
1:J:301:LEU:CD1	1:J:305:LEU:HG	2.47	0.45
1:J:361:GLU:CG	1:J:365:TYR:CD1	2.95	0.45
1:J:542:ILE:CG2	1:J:573:ILE:CD1	2.94	0.45
1:K:12:TYR:CZ	1:K:91:PRO:HB2	2.52	0.45
1:K:150:ASP:HA	1:K:266:THR:O	2.17	0.45
1:K:152:VAL:CG2	1:K:410:LEU:CD1	2.94	0.45
1:K:268:PHE:CD2	1:K:271:VAL:N	2.84	0.45
1:K:301:LEU:CD1	1:K:305:LEU:HG	2.47	0.45
1:K:338:TRP:O	1:K:342:LYS:HB2	2.16	0.45
1:K:342:LYS:HD3	1:K:342:LYS:C	2.37	0.45
1:K:386:LEU:HD13	1:K:390:TRP:HB2	1.99	0.45
1:K:408:TYR:O	1:K:409:SER:HB2	2.16	0.45
1:L:51:SER:HB3	1:L:56:SER:CB	2.47	0.45
1:L:150:ASP:N	1:L:287:HIS:CB	2.74	0.45
1:L:181:LEU:CD1	1:L:199:LEU:CD2	2.94	0.45
1:L:288:HIS:CG	1:L:289:SER:N	2.85	0.45
1:L:353:ILE:HG21	1:L:430:LYS:CD	2.46	0.45
1:L:1118:UNK:HA	1:L:1126:UNK:HA	1.99	0.45
1:M:50:MET:HE3	1:M:60:ARG:HH12	1.80	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:203:ILE:HG23	1:M:204:ASP:N	2.31	0.45
1:M:447:TYR:HE1	1:M:482:GLU:HG2	1.75	0.45
1:M:1074:UNK:CB	1:M:1095:UNK:HA	2.47	0.45
1:N:181:LEU:CD1	1:N:199:LEU:CD2	2.94	0.45
1:N:256:PHE:HD2	1:N:262:ILE:CG1	2.25	0.45
1:N:484:MET:HA	1:N:489:MET:HE3	1.92	0.45
1:N:602:UNK:C	1:N:1000:UNK:CB	2.95	0.45
1:O:28:ASP:OD1	1:O:35:MET:HE1	2.17	0.45
1:O:152:VAL:CG2	1:O:410:LEU:CD1	2.94	0.45
1:O:288:HIS:CG	1:O:289:SER:N	2.85	0.45
1:O:322:ARG:HB2	1:O:322:ARG:HH11	1.82	0.45
1:O:342:LYS:HD3	1:O:342:LYS:C	2.37	0.45
1:O:1284:UNK:HA	1:O:1323:UNK:O	2.17	0.45
1:P:100:SER:HB3	1:P:102:MET:CE	2.46	0.45
1:P:224:ILE:HA	1:P:227:GLU:HG2	1.97	0.45
1:P:301:LEU:CD1	1:P:305:LEU:HG	2.47	0.45
1:P:374:VAL:HG12	1:P:446:HIS:CE1	2.51	0.45
1:A:20:GLU:CB	1:A:23:PHE:HD2	2.29	0.45
1:A:152:VAL:CG2	1:A:410:LEU:CD1	2.94	0.45
1:A:221:ILE:HD13	1:A:221:ILE:H	1.82	0.45
1:A:288:HIS:CG	1:A:289:SER:N	2.85	0.45
1:A:396:SER:O	1:A:399:MET:HB2	2.17	0.45
1:A:519:GLN:CG	1:A:523:PHE:CZ	2.94	0.45
1:B:250:ALA:O	1:B:253:TRP:HB2	2.17	0.45
1:B:288:HIS:CG	1:B:289:SER:N	2.85	0.45
1:B:301:LEU:HD13	1:B:328:ALA:CB	2.45	0.45
1:B:353:ILE:HG21	1:B:430:LYS:CD	2.46	0.45
1:B:649:UNK:CB	1:B:670:UNK:CB	2.95	0.45
1:C:150:ASP:HA	1:C:266:THR:O	2.17	0.45
1:C:288:HIS:CG	1:C:289:SER:N	2.85	0.45
1:C:301:LEU:HD13	1:C:328:ALA:CB	2.45	0.45
1:C:342:LYS:HD3	1:C:342:LYS:C	2.37	0.45
1:C:372:LEU:HD11	1:C:427:LEU:HD13	1.99	0.45
1:C:379:ALA:CB	1:C:470:HIS:CE1	3.00	0.45
1:D:8:HIS:HB3	1:D:95:GLU:CG	2.41	0.45
1:D:58:THR:HG23	1:D:59:LEU:N	2.32	0.45
1:D:186:CYS:CB	1:D:249:ASN:HB3	2.44	0.45
1:D:327:ILE:CG2	1:D:331:ILE:CD1	2.95	0.45
1:D:519:GLN:CG	1:D:523:PHE:CZ	2.94	0.45
1:D:609:UNK:CB	1:D:977:UNK:HA	2.47	0.45
1:E:10:TYR:HE1	1:E:167:SER:CA	2.30	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:68:LYS:CB	1:E:72:MET:HB2	2.47	0.45
1:E:179:PHE:CZ	1:E:237:TYR:HE1	2.34	0.45
1:E:466:TYR:CD1	1:E:466:TYR:C	2.90	0.45
1:E:602:UNK:C	1:E:1000:UNK:CB	2.95	0.45
1:E:649:UNK:CB	1:E:670:UNK:CB	2.95	0.45
1:E:843:UNK:CB	1:E:889:UNK:CB	2.95	0.45
1:F:125:VAL:N	1:F:300:LEU:CB	2.80	0.45
1:F:515:LEU:CD1	1:F:519:GLN:CB	2.95	0.45
1:F:602:UNK:C	1:F:1000:UNK:CB	2.95	0.45
1:F:649:UNK:CB	1:F:670:UNK:CB	2.95	0.45
1:F:1022:UNK:HA	1:F:1045:UNK:HA	1.98	0.45
1:G:27:PHE:CB	1:G:30:LYS:HE2	2.46	0.45
1:G:88:LEU:N	1:G:88:LEU:CD2	2.80	0.45
1:G:175:ASP:OD1	1:G:240:CYS:HA	2.16	0.45
1:G:322:ARG:HB2	1:G:322:ARG:HH11	1.82	0.45
1:G:342:LYS:HD3	1:G:342:LYS:C	2.37	0.45
1:G:508:TRP:O	1:G:648:UNK:HA	2.15	0.45
1:G:576:GLU:HG3	1:G:580:GLN:NE2	2.32	0.45
1:G:710:UNK:CB	1:G:739:UNK:CB	2.95	0.45
1:H:139:LEU:CD2	1:H:174:MET:CE	2.95	0.45
1:H:148:LEU:HD21	1:H:264:LEU:HD13	1.99	0.45
1:H:181:LEU:CD1	1:H:199:LEU:CD2	2.94	0.45
1:H:301:LEU:HD13	1:H:328:ALA:CB	2.45	0.45
1:H:476:LYS:CB	1:H:527:TYR:CD1	2.93	0.45
1:H:581:VAL:O	1:H:1035:UNK:N	2.50	0.45
1:I:32:VAL:CG1	1:I:45:ILE:HG21	2.47	0.45
1:I:68:LYS:CB	1:I:72:MET:HB2	2.47	0.45
1:I:338:TRP:O	1:I:342:LYS:HB2	2.16	0.45
1:I:443:ILE:HD11	1:I:477:ASN:HB3	1.98	0.45
1:I:649:UNK:CB	1:I:670:UNK:CB	2.95	0.45
1:J:56:SER:CA	1:J:128:LEU:CD2	2.94	0.45
1:J:123:TYR:CD2	1:J:303:LYS:HG2	2.52	0.45
1:J:203:ILE:HG23	1:J:231:LEU:CD2	2.36	0.45
1:J:327:ILE:CG2	1:J:331:ILE:CD1	2.95	0.45
1:J:408:TYR:O	1:J:409:SER:HB2	2.16	0.45
1:K:28:ASP:C	1:K:31:ASP:HB2	2.36	0.45
1:K:58:THR:HG23	1:K:59:LEU:N	2.32	0.45
1:K:139:LEU:HD13	1:K:139:LEU:O	2.18	0.45
1:K:288:HIS:CG	1:K:289:SER:N	2.85	0.45
1:K:314:ARG:CG	1:K:341:TRP:CH2	2.99	0.45
1:K:379:ALA:CB	1:K:470:HIS:CE1	3.00	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:391:PHE:HD1	1:K:393:VAL:O	2.00	0.45
1:L:148:LEU:HD22	1:L:148:LEU:HA	1.63	0.45
1:L:250:ALA:O	1:L:253:TRP:HB2	2.17	0.45
1:L:495:ARG:CB	1:L:561:LEU:HD11	2.45	0.45
1:L:649:UNK:CB	1:L:670:UNK:CB	2.95	0.45
1:M:183:LEU:HD22	1:M:183:LEU:N	2.32	0.45
1:M:186:CYS:CB	1:M:249:ASN:HB3	2.44	0.45
1:M:189:PRO:O	1:M:192:VAL:HG22	2.16	0.45
1:M:196:LEU:CD2	1:M:224:ILE:CG2	2.94	0.45
1:M:221:ILE:HD13	1:M:221:ILE:H	1.82	0.45
1:M:288:HIS:CG	1:M:289:SER:N	2.85	0.45
1:M:301:LEU:HD13	1:M:328:ALA:CB	2.45	0.45
1:M:372:LEU:HD11	1:M:427:LEU:HD13	1.98	0.45
1:M:391:PHE:HD1	1:M:393:VAL:O	2.00	0.45
1:M:396:SER:O	1:M:399:MET:HB2	2.17	0.45
1:M:428:GLU:HA	1:M:431:VAL:HG22	1.97	0.45
1:M:484:MET:HA	1:M:489:MET:HE1	1.93	0.45
1:M:488:ARG:HD2	1:M:494:PHE:CA	2.47	0.45
1:M:609:UNK:CB	1:M:977:UNK:HA	2.47	0.45
1:M:999:UNK:C	1:M:1020:UNK:CB	2.95	0.45
1:M:1118:UNK:HA	1:M:1126:UNK:HA	1.99	0.45
1:N:139:LEU:CD2	1:N:174:MET:CE	2.95	0.45
1:N:148:LEU:HD21	1:N:264:LEU:HD13	1.99	0.45
1:N:357:LEU:CD2	1:N:366:ARG:CD	2.95	0.45
1:N:384:ILE:CG2	1:N:463:LEU:HD22	2.39	0.45
1:N:476:LYS:CB	1:N:527:TYR:CD1	2.93	0.45
1:N:581:VAL:O	1:N:1035:UNK:N	2.50	0.45
1:O:21:ASP:O	1:O:22:ALA:HB3	2.16	0.45
1:O:48:ILE:O	1:O:48:ILE:HG22	2.16	0.45
1:O:88:LEU:N	1:O:88:LEU:CD2	2.80	0.45
1:O:157:LYS:HD3	3:O:1402:DTP:O2B	2.17	0.45
1:O:189:PRO:O	1:O:192:VAL:HG22	2.16	0.45
1:O:508:TRP:O	1:O:648:UNK:HA	2.15	0.45
1:O:576:GLU:HG3	1:O:580:GLN:NE2	2.32	0.45
1:O:710:UNK:CB	1:O:739:UNK:CB	2.95	0.45
1:P:27:PHE:CB	1:P:30:LYS:HE2	2.46	0.45
1:P:40:LEU:CG	1:P:64:THR:HG21	2.33	0.45
1:P:125:VAL:N	1:P:300:LEU:CB	2.80	0.45
1:P:268:PHE:HZ	1:P:407:LYS:CB	2.30	0.45
1:P:515:LEU:CD1	1:P:519:GLN:CB	2.95	0.45
1:P:602:UNK:C	1:P:1000:UNK:CB	2.95	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:649:UNK:CB	1:P:670:UNK:CB	2.95	0.45
1:A:125:VAL:N	1:A:300:LEU:CB	2.80	0.44
1:A:189:PRO:O	1:A:192:VAL:HG22	2.16	0.44
1:A:372:LEU:HD11	1:A:427:LEU:HD13	1.99	0.44
1:A:428:GLU:HA	1:A:431:VAL:HG22	1.97	0.44
1:A:546:LEU:HB3	1:A:547:PRO:CD	2.47	0.44
1:A:576:GLU:HG3	1:A:580:GLN:NE2	2.32	0.44
1:A:591:UNK:CB	1:A:1321:UNK:CA	2.94	0.44
1:B:196:LEU:CD1	1:B:224:ILE:CG2	2.94	0.44
1:B:390:TRP:HD1	1:B:398:VAL:CB	2.30	0.44
1:B:429:LEU:HA	1:B:432:LYS:NZ	2.30	0.44
1:B:443:ILE:CG1	1:B:478:ILE:HG22	2.41	0.44
1:B:581:VAL:O	1:B:1035:UNK:N	2.50	0.44
1:C:139:LEU:HD13	1:C:139:LEU:O	2.18	0.44
1:C:382:PRO:HA	1:C:419:THR:HA	2.00	0.44
1:C:466:TYR:CD1	1:C:470:HIS:CB	3.00	0.44
1:C:510:ALA:CB	1:C:645:UNK:O	2.64	0.44
1:C:710:UNK:CB	1:C:739:UNK:CB	2.95	0.44
1:D:5:THR:HG21	1:D:73:VAL:CB	2.47	0.44
1:D:139:LEU:CD2	1:D:174:MET:CE	2.95	0.44
1:D:203:ILE:HG23	1:D:204:ASP:N	2.31	0.44
1:D:244:LEU:CD2	1:D:262:ILE:CD1	2.94	0.44
1:D:386:LEU:HD13	1:D:390:TRP:HB2	1.99	0.44
1:D:466:TYR:CD1	1:D:470:HIS:CB	3.00	0.44
1:D:542:ILE:CG2	1:D:573:ILE:CD1	2.94	0.44
1:E:12:TYR:CZ	1:E:91:PRO:HB2	2.52	0.44
1:E:32:VAL:CG1	1:E:45:ILE:HG21	2.47	0.44
1:E:157:LYS:HG2	1:E:287:HIS:HD2	1.81	0.44
1:E:272:THR:CG2	1:E:282:HIS:NE2	2.80	0.44
1:E:301:LEU:CD1	1:E:328:ALA:HB2	2.45	0.44
1:E:338:TRP:O	1:E:342:LYS:HB2	2.16	0.44
1:E:488:ARG:HD2	1:E:494:PHE:CA	2.47	0.44
1:F:5:THR:HG21	1:F:73:VAL:CB	2.47	0.44
1:F:27:PHE:CB	1:F:30:LYS:HE2	2.46	0.44
1:F:88:LEU:N	1:F:88:LEU:CD2	2.80	0.44
1:F:317:LEU:HA	1:F:318:THR:HA	1.73	0.44
1:F:402:VAL:CG2	1:F:403:ASN:N	2.81	0.44
1:G:10:TYR:HE1	1:G:167:SER:CA	2.30	0.44
1:G:21:ASP:O	1:G:22:ALA:HB3	2.16	0.44
1:G:87:PHE:CZ	1:O:87:PHE:CE1	3.06	0.44
1:G:87:PHE:CE1	1:O:87:PHE:CZ	3.06	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:125:VAL:N	1:G:300:LEU:CB	2.80	0.44
1:G:150:ASP:HA	1:G:266:THR:O	2.17	0.44
1:G:157:LYS:HD3	3:G:1402:DTP:O2B	2.17	0.44
1:G:196:LEU:CD2	1:G:224:ILE:CG2	2.94	0.44
1:G:200:LEU:CD1	1:G:208:THR:CG2	2.95	0.44
1:G:256:PHE:HD2	1:G:262:ILE:CG1	2.25	0.44
1:G:374:VAL:HG12	1:G:446:HIS:CE1	2.51	0.44
1:H:35:MET:HE1	1:H:61:LEU:HD22	1.98	0.44
1:H:371:ARG:CB	1:H:389:ILE:CG2	2.93	0.44
1:I:12:TYR:CZ	1:I:91:PRO:HB2	2.52	0.44
1:I:272:THR:CG2	1:I:282:HIS:NE2	2.80	0.44
1:I:466:TYR:CD1	1:I:466:TYR:C	2.90	0.44
1:I:483:ARG:O	1:I:487:PHE:HD1	1.98	0.44
1:I:488:ARG:HD2	1:I:494:PHE:CA	2.47	0.44
1:I:602:UNK:C	1:I:1000:UNK:CB	2.95	0.44
1:I:843:UNK:CB	1:I:889:UNK:CB	2.95	0.44
1:J:5:THR:HG21	1:J:73:VAL:CB	2.47	0.44
1:J:58:THR:HG23	1:J:59:LEU:N	2.32	0.44
1:J:139:LEU:CD2	1:J:174:MET:CE	2.95	0.44
1:J:368:MET:CG	1:J:390:TRP:NE1	2.78	0.44
1:J:466:TYR:CD1	1:J:470:HIS:CB	3.00	0.44
1:J:476:LYS:CB	1:J:527:TYR:CD1	2.93	0.44
1:J:609:UNK:CB	1:J:977:UNK:HA	2.47	0.44
1:K:196:LEU:CD1	1:K:224:ILE:CG2	2.94	0.44
1:K:372:LEU:HD11	1:K:427:LEU:HD13	1.98	0.44
1:K:382:PRO:HA	1:K:419:THR:HA	2.00	0.44
1:K:390:TRP:HD1	1:K:398:VAL:CB	2.30	0.44
1:K:466:TYR:CD1	1:K:470:HIS:CB	3.00	0.44
1:K:546:LEU:HB3	1:K:547:PRO:CD	2.47	0.44
1:K:710:UNK:CB	1:K:739:UNK:CB	2.95	0.44
1:L:322:ARG:HB2	1:L:322:ARG:HH11	1.82	0.44
1:L:342:LYS:HD3	1:L:342:LYS:C	2.37	0.44
1:L:390:TRP:HD1	1:L:398:VAL:CB	2.30	0.44
1:L:492:LEU:HA	1:L:492:LEU:HD23	1.46	0.44
1:L:581:VAL:O	1:L:1035:UNK:N	2.50	0.44
1:L:987:UNK:N	1:L:994:UNK:CB	2.80	0.44
1:M:20:GLU:CB	1:M:23:PHE:HD2	2.29	0.44
1:M:48:ILE:O	1:M:48:ILE:HG22	2.16	0.44
1:M:120:PHE:HD1	1:M:121:ALA:N	2.10	0.44
1:M:125:VAL:N	1:M:300:LEU:CB	2.80	0.44
1:M:148:LEU:HD22	1:M:148:LEU:HA	1.63	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:152:VAL:CG2	1:M:410:LEU:CD1	2.94	0.44
1:M:228:LEU:CD2	1:M:232:LEU:CD1	2.94	0.44
1:M:250:ALA:O	1:M:253:TRP:HB2	2.17	0.44
1:N:7:GLU:HG3	1:N:110:ARG:HH21	1.82	0.44
1:N:20:GLU:CB	1:N:23:PHE:HD2	2.29	0.44
1:N:371:ARG:CB	1:N:389:ILE:CG2	2.93	0.44
1:N:1074:UNK:CB	1:N:1095:UNK:HA	2.47	0.44
1:N:1118:UNK:HA	1:N:1126:UNK:HA	1.99	0.44
1:O:27:PHE:CB	1:O:30:LYS:HE2	2.46	0.44
1:O:125:VAL:N	1:O:300:LEU:CB	2.80	0.44
1:O:148:LEU:HG	1:O:272:THR:OG1	2.16	0.44
1:O:181:LEU:CD1	1:O:199:LEU:CD2	2.94	0.44
1:O:196:LEU:CD1	1:O:224:ILE:CG2	2.94	0.44
1:O:200:LEU:CD1	1:O:208:THR:CG2	2.95	0.44
1:O:250:ALA:HA	1:O:253:TRP:CD1	2.51	0.44
1:O:508:TRP:CD1	1:O:509:ASN:N	2.82	0.44
1:O:546:LEU:HB3	1:O:547:PRO:CD	2.47	0.44
1:P:5:THR:HG21	1:P:73:VAL:CB	2.47	0.44
1:P:48:ILE:O	1:P:48:ILE:HG22	2.16	0.44
1:P:88:LEU:N	1:P:88:LEU:CD2	2.80	0.44
1:P:183:LEU:N	1:P:183:LEU:HD22	2.32	0.44
1:P:196:LEU:CD2	1:P:224:ILE:CG2	2.94	0.44
1:P:402:VAL:CG2	1:P:403:ASN:N	2.81	0.44
1:P:495:ARG:CZ	1:P:545:PHE:HE2	2.30	0.44
1:A:35:MET:N	1:A:36:PRO:HD2	2.32	0.44
1:A:48:ILE:O	1:A:48:ILE:HG22	2.16	0.44
1:A:125:VAL:CG1	1:A:300:LEU:CD2	2.94	0.44
1:A:127:ARG:CG	1:A:292:LEU:CD2	2.95	0.44
1:A:193:LEU:HD23	1:A:193:LEU:HA	1.78	0.44
1:A:250:ALA:O	1:A:253:TRP:HB2	2.17	0.44
1:A:268:PHE:CZ	1:A:270:GLN:HG2	2.53	0.44
1:A:488:ARG:HD2	1:A:494:PHE:CA	2.47	0.44
1:A:542:ILE:CG2	1:A:573:ILE:CD1	2.94	0.44
1:B:88:LEU:N	1:B:88:LEU:CD2	2.80	0.44
1:B:322:ARG:HB2	1:B:322:ARG:HH11	1.82	0.44
1:B:843:UNK:CB	1:B:889:UNK:CB	2.95	0.44
1:B:987:UNK:N	1:B:994:UNK:CB	2.80	0.44
1:C:87:PHE:CZ	1:K:87:PHE:CE2	3.06	0.44
1:C:256:PHE:CE2	1:C:262:ILE:CB	2.93	0.44
1:C:396:SER:O	1:C:399:MET:HB2	2.17	0.44
1:D:10:TYR:HE1	1:D:167:SER:CA	2.30	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:139:LEU:HD13	1:D:139:LEU:O	2.18	0.44
1:D:361:GLU:CG	1:D:365:TYR:CD1	2.95	0.44
1:D:488:ARG:HD2	1:D:494:PHE:CA	2.47	0.44
1:D:602:UNK:C	1:D:1000:UNK:CB	2.95	0.44
1:D:1074:UNK:CB	1:D:1095:UNK:HA	2.47	0.44
1:E:150:ASP:HA	1:E:266:THR:O	2.17	0.44
1:E:157:LYS:HE3	1:E:265:THR:HB	1.99	0.44
1:E:196:LEU:CD2	1:E:224:ILE:CG2	2.94	0.44
1:E:327:ILE:CG2	1:E:331:ILE:CD1	2.95	0.44
1:E:349:LEU:HD12	1:E:349:LEU:H	1.80	0.44
1:E:402:VAL:CG2	1:E:403:ASN:N	2.81	0.44
1:E:562:LEU:HD12	1:E:577:ALA:HA	1.99	0.44
1:F:10:TYR:HE1	1:F:167:SER:CA	2.30	0.44
1:F:183:LEU:N	1:F:183:LEU:HD22	2.32	0.44
1:F:843:UNK:CB	1:F:889:UNK:CB	2.95	0.44
1:G:5:THR:HG21	1:G:73:VAL:CB	2.47	0.44
1:G:48:ILE:O	1:G:48:ILE:HG22	2.16	0.44
1:G:100:SER:HB3	1:G:102:MET:HE3	1.99	0.44
1:G:148:LEU:HG	1:G:272:THR:OG1	2.16	0.44
1:G:181:LEU:CD1	1:G:199:LEU:CD2	2.94	0.44
1:G:189:PRO:O	1:G:192:VAL:HG22	2.16	0.44
1:G:268:PHE:CZ	1:G:270:GLN:HG2	2.53	0.44
1:G:301:LEU:CD1	1:G:305:LEU:CD1	2.95	0.44
1:G:508:TRP:CD1	1:G:509:ASN:N	2.82	0.44
1:G:546:LEU:HB3	1:G:547:PRO:CD	2.47	0.44
1:G:581:VAL:O	1:G:1035:UNK:N	2.50	0.44
1:G:1074:UNK:CB	1:G:1095:UNK:HA	2.47	0.44
1:H:7:GLU:HG2	1:H:107:ILE:CD1	2.48	0.44
1:H:152:VAL:CG2	1:H:410:LEU:CD1	2.94	0.44
1:H:157:LYS:HD3	3:H:1402:DTP:O2B	2.17	0.44
1:H:268:PHE:CZ	1:H:270:GLN:HG2	2.53	0.44
1:H:272:THR:CG2	1:H:282:HIS:NE2	2.80	0.44
1:H:288:HIS:CG	1:H:289:SER:N	2.85	0.44
1:H:576:GLU:HG3	1:H:580:GLN:NE2	2.32	0.44
1:H:999:UNK:C	1:H:1020:UNK:CB	2.95	0.44
1:H:1074:UNK:CB	1:H:1095:UNK:HA	2.47	0.44
1:H:1118:UNK:HA	1:H:1126:UNK:HA	1.99	0.44
1:I:60:ARG:HH21	1:I:128:LEU:HD11	1.79	0.44
1:I:65:LEU:HA	1:I:72:MET:HE2	1.96	0.44
1:I:157:LYS:HE3	1:I:265:THR:HB	1.99	0.44
1:I:179:PHE:CZ	1:I:237:TYR:HE1	2.34	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:379:ALA:CB	1:I:470:HIS:CE1	3.00	0.44
1:I:381:ILE:HD13	1:I:381:ILE:HG21	1.60	0.44
1:I:402:VAL:CG2	1:I:403:ASN:N	2.81	0.44
1:J:379:ALA:CB	1:J:470:HIS:CE1	3.00	0.44
1:J:386:LEU:HD13	1:J:390:TRP:HB2	1.99	0.44
1:J:497:LEU:HD23	1:J:497:LEU:HA	1.61	0.44
1:J:602:UNK:C	1:J:1000:UNK:CB	2.95	0.44
1:K:5:THR:HG21	1:K:73:VAL:CB	2.47	0.44
1:K:32:VAL:C	1:K:36:PRO:CD	2.80	0.44
1:K:125:VAL:N	1:K:300:LEU:CB	2.80	0.44
1:K:186:CYS:HB2	1:K:249:ASN:HB2	1.97	0.44
1:K:301:LEU:HD13	1:K:328:ALA:CB	2.45	0.44
1:K:510:ALA:CB	1:K:645:UNK:O	2.64	0.44
1:L:88:LEU:N	1:L:88:LEU:CD2	2.80	0.44
1:L:196:LEU:CD1	1:L:224:ILE:CG2	2.94	0.44
1:L:262:ILE:CG2	1:L:263:LEU:N	2.81	0.44
1:L:301:LEU:HD13	1:L:328:ALA:CB	2.45	0.44
1:L:843:UNK:CB	1:L:889:UNK:CB	2.95	0.44
1:M:125:VAL:CG1	1:M:300:LEU:CD2	2.94	0.44
1:M:127:ARG:CG	1:M:292:LEU:CD2	2.95	0.44
1:M:193:LEU:HD23	1:M:193:LEU:HA	1.78	0.44
1:M:268:PHE:CZ	1:M:270:GLN:HG2	2.53	0.44
1:M:408:TYR:O	1:M:409:SER:HB2	2.16	0.44
1:M:466:TYR:CD1	1:M:466:TYR:C	2.90	0.44
1:M:546:LEU:HB3	1:M:547:PRO:CD	2.47	0.44
1:M:576:GLU:HG3	1:M:580:GLN:NE2	2.32	0.44
1:N:7:GLU:HG2	1:N:107:ILE:CD1	2.48	0.44
1:N:35:MET:HE1	1:N:61:LEU:HD22	1.98	0.44
1:N:51:SER:HB3	1:N:56:SER:CB	2.47	0.44
1:N:114:TYR:CE1	1:O:280:THR:CB	2.90	0.44
1:N:157:LYS:HD3	3:N:1402:DTP:O2B	2.17	0.44
1:N:268:PHE:CZ	1:N:270:GLN:HG2	2.53	0.44
1:N:272:THR:CG2	1:N:282:HIS:NE2	2.80	0.44
1:N:288:HIS:CG	1:N:289:SER:N	2.85	0.44
1:N:301:LEU:HD13	1:N:328:ALA:CB	2.45	0.44
1:N:301:LEU:CD1	1:N:305:LEU:HG	2.47	0.44
1:N:391:PHE:HD1	1:N:398:VAL:HG11	1.72	0.44
1:N:710:UNK:CB	1:N:739:UNK:CB	2.95	0.44
1:N:999:UNK:C	1:N:1020:UNK:CB	2.95	0.44
1:O:5:THR:HG21	1:O:73:VAL:CB	2.47	0.44
1:O:10:TYR:HE1	1:O:167:SER:CA	2.30	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:51:SER:HB3	1:O:56:SER:CB	2.47	0.44
1:O:150:ASP:HA	1:O:266:THR:O	2.17	0.44
1:O:268:PHE:CZ	1:O:270:GLN:HG2	2.53	0.44
1:O:301:LEU:CD1	1:O:305:LEU:CD1	2.95	0.44
1:O:391:PHE:HD1	1:O:393:VAL:O	2.00	0.44
1:O:581:VAL:O	1:O:1035:UNK:N	2.50	0.44
1:P:20:GLU:HB3	1:P:23:PHE:HD2	1.81	0.44
1:P:843:UNK:CB	1:P:889:UNK:CB	2.95	0.44
1:P:1022:UNK:HA	1:P:1045:UNK:HA	1.98	0.44
1:A:228:LEU:CD2	1:A:232:LEU:CD1	2.94	0.44
1:A:408:TYR:O	1:A:409:SER:HB2	2.16	0.44
1:A:466:TYR:CD1	1:A:466:TYR:C	2.90	0.44
1:B:12:TYR:CZ	1:B:91:PRO:HB2	2.52	0.44
1:B:58:THR:HG23	1:B:59:LEU:N	2.32	0.44
1:B:100:SER:HB3	1:B:102:MET:CE	2.46	0.44
1:B:206:ASN:HB3	1:B:207:TRP:H	1.41	0.44
1:B:262:ILE:CG2	1:B:263:LEU:N	2.81	0.44
1:B:562:LEU:HD12	1:B:577:ALA:HA	1.99	0.44
1:B:1022:UNK:HA	1:B:1045:UNK:HA	1.98	0.44
1:C:5:THR:HG21	1:C:73:VAL:CB	2.47	0.44
1:C:125:VAL:N	1:C:300:LEU:CB	2.80	0.44
1:C:196:LEU:CD1	1:C:224:ILE:CG2	2.94	0.44
1:C:207:TRP:N	1:C:207:TRP:CD1	2.83	0.44
3:C:1402:DTP:H2'2	3:C:1402:DTP:H5'2	1.46	0.44
1:D:148:LEU:HD22	1:D:148:LEU:HA	1.63	0.44
1:D:379:ALA:CB	1:D:470:HIS:CE1	3.00	0.44
1:D:410:LEU:HA	1:D:423:PRO:CB	2.48	0.44
1:D:581:VAL:O	1:D:1035:UNK:N	2.50	0.44
1:E:379:ALA:CB	1:E:470:HIS:CE1	3.00	0.44
1:E:515:LEU:CD1	1:E:519:GLN:CB	2.95	0.44
1:F:20:GLU:HB3	1:F:23:PHE:HD2	1.81	0.44
1:F:21:ASP:O	1:F:22:ALA:HB3	2.16	0.44
1:F:28:ASP:OD1	1:F:35:MET:HE1	2.17	0.44
1:F:48:ILE:O	1:F:48:ILE:HG22	2.16	0.44
1:F:87:PHE:CZ	1:N:87:PHE:CE1	3.06	0.44
1:F:203:ILE:HG23	1:F:231:LEU:CD2	2.36	0.44
1:F:314:ARG:CG	1:F:341:TRP:CH2	2.99	0.44
1:F:386:LEU:HD13	1:F:390:TRP:HB2	1.99	0.44
1:F:495:ARG:CZ	1:F:545:PHE:HE2	2.30	0.44
1:F:576:GLU:HG3	1:F:580:GLN:NE2	2.32	0.44
1:G:51:SER:HB3	1:G:56:SER:CB	2.47	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:139:LEU:HD13	1:G:139:LEU:O	2.18	0.44
1:G:196:LEU:CD1	1:G:224:ILE:CG2	2.94	0.44
1:H:7:GLU:HG3	1:H:110:ARG:HH21	1.82	0.44
1:H:10:TYR:HE1	1:H:167:SER:CA	2.30	0.44
1:H:51:SER:HB3	1:H:56:SER:CB	2.47	0.44
1:H:106:TYR:CG	1:H:169:LYS:HB2	2.50	0.44
1:H:200:LEU:CD1	1:H:208:THR:CG2	2.95	0.44
1:H:262:ILE:CG2	1:H:264:LEU:CG	2.95	0.44
1:H:301:LEU:CD1	1:H:305:LEU:HG	2.47	0.44
1:H:510:ALA:CB	1:H:645:UNK:O	2.64	0.44
1:H:649:UNK:CB	1:H:671:UNK:N	2.81	0.44
1:H:710:UNK:CB	1:H:739:UNK:CB	2.95	0.44
1:H:1022:UNK:HA	1:H:1045:UNK:HA	1.98	0.44
1:I:157:LYS:HG2	1:I:287:HIS:HD2	1.81	0.44
1:I:196:LEU:CD2	1:I:224:ILE:CG2	2.94	0.44
1:I:268:PHE:HZ	1:I:407:LYS:CB	2.30	0.44
1:I:327:ILE:CG2	1:I:331:ILE:CD1	2.95	0.44
1:I:386:LEU:HD13	1:I:390:TRP:HB2	1.99	0.44
1:I:515:LEU:CD1	1:I:519:GLN:CB	2.95	0.44
1:I:562:LEU:HD12	1:I:577:ALA:HA	1.99	0.44
1:J:10:TYR:HE1	1:J:167:SER:CA	2.30	0.44
1:J:68:LYS:CB	1:J:72:MET:HB2	2.47	0.44
1:J:139:LEU:HD13	1:J:139:LEU:O	2.18	0.44
1:J:256:PHE:CE2	1:J:262:ILE:CB	2.93	0.44
1:J:393:VAL:HG12	1:J:394:ILE:H	1.81	0.44
1:J:410:LEU:HA	1:J:423:PRO:CB	2.48	0.44
1:J:488:ARG:HD2	1:J:494:PHE:CA	2.47	0.44
1:J:581:VAL:O	1:J:1035:UNK:N	2.50	0.44
1:J:710:UNK:CB	1:J:739:UNK:CB	2.95	0.44
1:J:1074:UNK:CB	1:J:1095:UNK:HA	2.47	0.44
1:K:301:LEU:CD1	1:K:305:LEU:CD1	2.95	0.44
1:L:12:TYR:CZ	1:L:91:PRO:HB2	2.52	0.44
1:L:268:PHE:CZ	1:L:270:GLN:HG2	2.53	0.44
1:L:429:LEU:HA	1:L:432:LYS:NZ	2.30	0.44
1:L:562:LEU:HD12	1:L:577:ALA:HA	1.99	0.44
1:M:35:MET:N	1:M:36:PRO:HD2	2.32	0.44
1:M:353:ILE:HG21	1:M:430:LYS:CD	2.46	0.44
1:M:369:PHE:HZ	1:M:427:LEU:HD21	1.80	0.44
1:M:542:ILE:CG2	1:M:573:ILE:CD1	2.94	0.44
1:N:10:TYR:HE1	1:N:167:SER:CA	2.30	0.44
1:N:152:VAL:CG2	1:N:410:LEU:CD1	2.94	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:576:GLU:HG3	1:N:580:GLN:NE2	2.32	0.44
1:O:7:GLU:CG	1:O:107:ILE:CD1	2.93	0.44
1:O:65:LEU:HA	1:O:72:MET:HE2	1.97	0.44
1:O:139:LEU:HD13	1:O:139:LEU:O	2.18	0.44
1:O:175:ASP:OD1	1:O:240:CYS:HA	2.16	0.44
1:O:196:LEU:CD2	1:O:224:ILE:CG2	2.94	0.44
1:O:374:VAL:HG12	1:O:446:HIS:CE1	2.51	0.44
1:O:466:TYR:CD1	1:O:466:TYR:C	2.90	0.44
1:O:1074:UNK:CB	1:O:1095:UNK:HA	2.47	0.44
1:P:10:TYR:HE1	1:P:167:SER:CA	2.30	0.44
1:P:410:LEU:HA	1:P:423:PRO:CB	2.48	0.44
1:P:542:ILE:CG2	1:P:573:ILE:CD1	2.94	0.44
1:P:576:GLU:HG3	1:P:580:GLN:NE2	2.32	0.44
1:A:5:THR:HG21	1:A:73:VAL:CB	2.47	0.44
1:A:50:MET:HE3	1:A:60:ARG:HH12	1.80	0.44
1:A:120:PHE:HD1	1:A:121:ALA:N	2.10	0.44
1:A:262:ILE:CG2	1:A:263:LEU:N	2.81	0.44
1:A:390:TRP:HD1	1:A:398:VAL:CB	2.30	0.44
1:B:87:PHE:CE2	1:J:87:PHE:CZ	3.06	0.44
1:B:268:PHE:CZ	1:B:270:GLN:HG2	2.53	0.44
1:B:488:ARG:HD2	1:B:494:PHE:CA	2.47	0.44
1:B:576:GLU:HG3	1:B:580:GLN:NE2	2.32	0.44
1:B:602:UNK:C	1:B:1000:UNK:CB	2.95	0.44
1:C:21:ASP:O	1:C:22:ALA:HB3	2.16	0.44
1:C:35:MET:HE1	1:C:61:LEU:HD22	1.98	0.44
1:C:186:CYS:HB2	1:C:249:ASN:HB2	1.97	0.44
1:C:268:PHE:HZ	1:C:407:LYS:CB	2.30	0.44
1:C:272:THR:CG2	1:C:282:HIS:NE2	2.80	0.44
1:C:301:LEU:CD1	1:C:305:LEU:CD1	2.95	0.44
1:C:327:ILE:CG2	1:C:331:ILE:CD1	2.95	0.44
1:C:368:MET:CG	1:C:390:TRP:NE1	2.78	0.44
1:C:520:GLN:HG2	1:C:524:TYR:HE2	1.82	0.44
1:C:649:UNK:CB	1:C:671:UNK:N	2.81	0.44
1:D:56:SER:CA	1:D:128:LEU:HD22	2.48	0.44
1:D:68:LYS:CB	1:D:72:MET:HB2	2.47	0.44
1:D:649:UNK:CB	1:D:670:UNK:CB	2.95	0.44
1:D:649:UNK:CB	1:D:671:UNK:N	2.81	0.44
1:D:710:UNK:CB	1:D:739:UNK:CB	2.95	0.44
1:E:27:PHE:CB	1:E:30:LYS:HE2	2.46	0.44
1:E:256:PHE:CD2	1:E:262:ILE:HG13	2.46	0.44
1:E:256:PHE:CD1	1:E:256:PHE:C	2.91	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:262:ILE:CG2	1:E:264:LEU:CG	2.95	0.44
1:E:381:ILE:HD13	1:E:381:ILE:HG21	1.60	0.44
1:E:386:LEU:HD13	1:E:390:TRP:HB2	1.99	0.44
1:E:410:LEU:HA	1:E:423:PRO:CB	2.48	0.44
1:E:576:GLU:HG3	1:E:580:GLN:NE2	2.32	0.44
1:F:87:PHE:CE1	1:N:87:PHE:CZ	3.06	0.44
1:F:157:LYS:HD3	3:F:1402:DTP:O2B	2.17	0.44
1:F:382:PRO:HA	1:F:419:THR:HA	2.00	0.44
1:F:410:LEU:HA	1:F:423:PRO:CB	2.48	0.44
1:F:542:ILE:CG2	1:F:573:ILE:CD1	2.94	0.44
1:G:127:ARG:CG	1:G:292:LEU:CD2	2.95	0.44
1:G:280:THR:CB	1:H:114:TYR:CE1	2.90	0.44
1:G:301:LEU:CD1	1:G:305:LEU:HG	2.47	0.44
1:G:391:PHE:HD1	1:G:393:VAL:O	2.00	0.44
1:G:466:TYR:CD1	1:G:466:TYR:C	2.90	0.44
1:G:515:LEU:CD1	1:G:519:GLN:CB	2.95	0.44
1:G:649:UNK:CB	1:G:671:UNK:N	2.81	0.44
1:G:1118:UNK:HA	1:G:1126:UNK:HA	1.99	0.44
1:H:87:PHE:CZ	1:P:87:PHE:CE1	3.06	0.44
1:H:87:PHE:CE1	1:P:87:PHE:CZ	3.06	0.44
1:H:124:ASN:CB	3:H:1402:DTP:HN62	2.30	0.44
1:H:127:ARG:CG	1:H:292:LEU:CD2	2.95	0.44
1:H:183:LEU:N	1:H:183:LEU:HD22	2.32	0.44
1:H:250:ALA:O	1:H:253:TRP:HB2	2.17	0.44
1:H:484:MET:HA	1:H:489:MET:HE3	1.93	0.44
1:H:488:ARG:HD2	1:H:494:PHE:N	2.33	0.44
1:I:20:GLU:HB3	1:I:23:PHE:HD2	1.81	0.44
1:I:27:PHE:CB	1:I:30:LYS:HE2	2.46	0.44
1:I:81:LEU:HA	1:I:89:MET:HE2	1.98	0.44
1:I:125:VAL:CG1	1:I:300:LEU:CD2	2.94	0.44
1:I:142:ARG:CB	1:I:143:PRO:HD3	2.39	0.44
1:I:150:ASP:HA	1:I:266:THR:O	2.17	0.44
1:I:256:PHE:CD1	1:I:256:PHE:C	2.91	0.44
1:I:262:ILE:CG2	1:I:264:LEU:CG	2.95	0.44
1:I:301:LEU:CD1	1:I:305:LEU:HG	2.47	0.44
1:I:342:LYS:HD3	1:I:342:LYS:C	2.37	0.44
1:I:349:LEU:HD12	1:I:349:LEU:H	1.80	0.44
1:I:391:PHE:HD1	1:I:393:VAL:O	2.00	0.44
1:I:410:LEU:HA	1:I:423:PRO:CB	2.48	0.44
1:I:1118:UNK:HA	1:I:1126:UNK:HA	1.99	0.44
1:J:56:SER:CA	1:J:128:LEU:HD22	2.48	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:92:ILE:HG23	1:J:93:LYS:N	2.31	0.44
1:J:189:PRO:O	1:J:192:VAL:HG22	2.16	0.44
1:J:649:UNK:CB	1:J:670:UNK:CB	2.95	0.44
1:J:649:UNK:CB	1:J:671:UNK:N	2.81	0.44
1:K:272:THR:CG2	1:K:282:HIS:NE2	2.80	0.44
1:K:327:ILE:CG2	1:K:331:ILE:CD1	2.95	0.44
1:K:396:SER:O	1:K:399:MET:HB2	2.17	0.44
1:K:499:GLN:NE2	1:K:554:ILE:HG12	2.30	0.44
1:K:581:VAL:O	1:K:1035:UNK:N	2.50	0.44
1:L:52:LYS:HB2	1:L:52:LYS:HZ3	1.81	0.44
1:L:100:SER:HB3	1:L:102:MET:CE	2.46	0.44
1:L:408:TYR:O	1:L:409:SER:HB2	2.16	0.44
1:L:435:ASN:HD22	1:L:435:ASN:HA	1.43	0.44
1:L:576:GLU:HG3	1:L:580:GLN:NE2	2.32	0.44
1:L:602:UNK:C	1:L:1000:UNK:CB	2.95	0.44
1:M:5:THR:HG21	1:M:73:VAL:CB	2.47	0.44
1:M:10:TYR:HE1	1:M:167:SER:CA	2.30	0.44
1:M:148:LEU:HD21	1:M:264:LEU:HD13	1.99	0.44
1:M:362:PRO:CA	1:M:366:ARG:HB3	2.47	0.44
1:M:488:ARG:HD2	1:M:494:PHE:N	2.33	0.44
1:M:515:LEU:CD1	1:M:519:GLN:CB	2.95	0.44
1:M:520:GLN:HG2	1:M:524:TYR:HE2	1.82	0.44
1:N:5:THR:HG21	1:N:73:VAL:CB	2.47	0.44
1:N:48:ILE:O	1:N:48:ILE:HG22	2.16	0.44
1:N:200:LEU:CD1	1:N:208:THR:CG2	2.95	0.44
1:N:488:ARG:HD2	1:N:494:PHE:N	2.33	0.44
1:N:649:UNK:CB	1:N:671:UNK:N	2.81	0.44
1:O:7:GLU:HG2	1:O:107:ILE:HD13	1.93	0.44
1:O:68:LYS:CB	1:O:72:MET:HB2	2.47	0.44
1:O:124:ASN:CB	3:O:1402:DTP:HN62	2.30	0.44
1:O:127:ARG:CG	1:O:292:LEU:CD2	2.95	0.44
1:O:515:LEU:CD1	1:O:519:GLN:CB	2.95	0.44
1:O:649:UNK:CB	1:O:671:UNK:N	2.81	0.44
1:O:1118:UNK:HA	1:O:1126:UNK:HA	1.99	0.44
1:P:1:MET:CE	1:P:65:LEU:CD1	2.95	0.44
1:P:21:ASP:O	1:P:22:ALA:HB3	2.16	0.44
1:P:123:TYR:CD2	1:P:303:LYS:HG2	2.52	0.44
1:P:203:ILE:HG23	1:P:231:LEU:CD2	2.36	0.44
1:P:314:ARG:CG	1:P:341:TRP:CH2	2.99	0.44
1:P:382:PRO:HA	1:P:419:THR:HA	2.00	0.44
1:P:386:LEU:HD13	1:P:390:TRP:HB2	1.99	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:393:VAL:HG12	1:P:394:ILE:H	1.81	0.44
1:P:581:VAL:O	1:P:1035:UNK:N	2.50	0.44
1:A:10:TYR:HE1	1:A:167:SER:CA	2.30	0.44
1:A:148:LEU:HD21	1:A:264:LEU:HD13	1.99	0.44
1:A:150:ASP:CA	1:A:266:THR:O	2.66	0.44
1:A:186:CYS:CB	1:A:249:ASN:HB3	2.44	0.44
1:A:272:THR:CG2	1:A:282:HIS:NE2	2.80	0.44
1:A:304:TYR:HH	3:A:1402:DTP:C2	2.31	0.44
1:A:353:ILE:HG21	1:A:430:LYS:CD	2.46	0.44
1:A:362:PRO:CA	1:A:366:ARG:HB3	2.47	0.44
1:A:484:MET:HA	1:A:489:MET:HE2	1.98	0.44
1:A:515:LEU:CD1	1:A:519:GLN:CB	2.95	0.44
1:B:125:VAL:N	1:B:300:LEU:CB	2.80	0.44
1:B:386:LEU:HG	1:B:420:ILE:HG12	2.00	0.44
1:B:466:TYR:CD1	1:B:470:HIS:CB	3.00	0.44
1:B:1284:UNK:HA	1:B:1323:UNK:O	2.17	0.44
1:C:10:TYR:HE1	1:C:167:SER:CA	2.30	0.44
1:C:157:LYS:HG2	1:C:287:HIS:HD2	1.81	0.44
1:C:157:LYS:HE3	1:C:265:THR:HB	1.99	0.44
1:D:87:PHE:CZ	1:L:87:PHE:CE2	3.06	0.44
1:D:183:LEU:N	1:D:183:LEU:HD22	2.32	0.44
1:D:189:PRO:O	1:D:192:VAL:HG22	2.16	0.44
1:D:196:LEU:CD2	1:D:224:ILE:CG2	2.94	0.44
1:D:256:PHE:CE2	1:D:262:ILE:CB	2.93	0.44
1:D:312:LEU:O	1:D:316:VAL:HG13	2.18	0.44
1:D:382:PRO:O	1:D:385:LEU:HB2	2.18	0.44
1:D:393:VAL:HG12	1:D:394:ILE:H	1.81	0.44
1:D:402:VAL:CG2	1:D:403:ASN:N	2.81	0.44
1:D:525:LYS:HB3	1:D:526:PRO:HD3	1.98	0.44
1:D:538:LEU:CD1	1:D:572:ALA:HB3	2.42	0.44
1:D:557:LYS:N	1:D:597:UNK:CB	2.81	0.44
1:E:20:GLU:HB3	1:E:23:PHE:HD2	1.81	0.44
1:E:125:VAL:CG1	1:E:300:LEU:CD2	2.94	0.44
1:E:268:PHE:HZ	1:E:407:LYS:CB	2.30	0.44
1:E:280:THR:CB	1:F:114:TYR:CE1	2.90	0.44
1:E:314:ARG:CG	1:E:341:TRP:CH2	2.99	0.44
1:E:382:PRO:O	1:E:385:LEU:HB2	2.18	0.44
1:E:391:PHE:HD1	1:E:393:VAL:O	2.00	0.44
1:E:1118:UNK:HA	1:E:1126:UNK:HA	1.99	0.44
1:F:7:GLU:HG3	1:F:110:ARG:HH21	1.82	0.44
1:F:127:ARG:CG	1:F:292:LEU:CD2	2.95	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:139:LEU:HD13	1:F:139:LEU:O	2.18	0.44
1:F:187:ASN:ND2	1:F:187:ASN:H	2.16	0.44
1:F:200:LEU:CD1	1:F:208:THR:CG2	2.95	0.44
1:F:268:PHE:CZ	1:F:270:GLN:HG2	2.53	0.44
1:F:301:LEU:CD1	1:F:305:LEU:CD1	2.95	0.44
1:F:372:LEU:HD11	1:F:427:LEU:HD13	1.98	0.44
1:F:382:PRO:O	1:F:385:LEU:HB2	2.18	0.44
1:F:396:SER:O	1:F:399:MET:HB2	2.17	0.44
1:F:466:TYR:CD1	1:F:466:TYR:C	2.90	0.44
1:F:488:ARG:HD2	1:F:494:PHE:N	2.33	0.44
1:F:581:VAL:O	1:F:1035:UNK:N	2.50	0.44
1:F:987:UNK:N	1:F:994:UNK:CB	2.80	0.44
1:G:58:THR:HG23	1:G:59:LEU:N	2.32	0.44
1:G:183:LEU:N	1:G:183:LEU:HD22	2.32	0.44
1:G:382:PRO:HA	1:G:419:THR:HA	2.00	0.44
1:G:382:PRO:O	1:G:385:LEU:HB2	2.18	0.44
1:G:393:VAL:HG12	1:G:394:ILE:H	1.81	0.44
1:G:484:MET:HA	1:G:489:MET:HE2	1.95	0.44
1:G:649:UNK:CB	1:G:670:UNK:CB	2.95	0.44
1:H:5:THR:HG21	1:H:73:VAL:CB	2.47	0.44
1:H:48:ILE:O	1:H:48:ILE:HG22	2.16	0.44
1:H:150:ASP:CA	1:H:266:THR:O	2.66	0.44
1:H:382:PRO:O	1:H:385:LEU:HB2	2.18	0.44
1:I:280:THR:CB	1:P:114:TYR:CE1	2.90	0.44
1:I:301:LEU:CD1	1:I:305:LEU:CD1	2.95	0.44
1:I:576:GLU:HG3	1:I:580:GLN:NE2	2.32	0.44
1:I:987:UNK:N	1:I:994:UNK:CB	2.80	0.44
1:J:312:LEU:O	1:J:316:VAL:HG13	2.18	0.44
1:J:382:PRO:O	1:J:385:LEU:HB2	2.18	0.44
1:J:525:LYS:HB3	1:J:526:PRO:HD3	1.98	0.44
1:J:557:LYS:N	1:J:597:UNK:CB	2.81	0.44
1:J:843:UNK:CB	1:J:889:UNK:CB	2.95	0.44
1:K:21:ASP:O	1:K:22:ALA:HB3	2.16	0.44
1:K:262:ILE:CG2	1:K:263:LEU:N	2.81	0.44
1:K:368:MET:CG	1:K:390:TRP:NE1	2.78	0.44
1:K:649:UNK:CB	1:K:671:UNK:N	2.81	0.44
1:L:58:THR:HG23	1:L:59:LEU:N	2.32	0.44
1:L:125:VAL:N	1:L:300:LEU:CB	2.80	0.44
1:L:382:PRO:HA	1:L:419:THR:HA	2.00	0.44
1:L:386:LEU:HG	1:L:420:ILE:HG12	2.00	0.44
1:L:443:ILE:CG1	1:L:478:ILE:HG22	2.41	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:488:ARG:HD2	1:L:494:PHE:CA	2.47	0.44
1:L:1022:UNK:HA	1:L:1045:UNK:HA	1.98	0.44
1:M:2:ASP:H	1:M:70:GLU:HG3	1.77	0.44
1:M:262:ILE:CG2	1:M:263:LEU:N	2.81	0.44
1:M:272:THR:CG2	1:M:282:HIS:NE2	2.80	0.44
1:M:304:TYR:HH	3:M:1402:DTP:C2	2.31	0.44
1:M:987:UNK:N	1:M:994:UNK:CB	2.80	0.44
1:N:7:GLU:CG	1:N:107:ILE:CD1	2.93	0.44
1:N:12:TYR:CZ	1:N:91:PRO:HB2	2.52	0.44
1:N:106:TYR:CG	1:N:169:LYS:HB2	2.50	0.44
1:N:124:ASN:CB	3:N:1402:DTP:HN62	2.30	0.44
1:N:150:ASP:CA	1:N:266:THR:O	2.66	0.44
1:N:183:LEU:N	1:N:183:LEU:HD22	2.32	0.44
1:N:250:ALA:O	1:N:253:TRP:HB2	2.17	0.44
1:N:262:ILE:CG2	1:N:264:LEU:CG	2.95	0.44
1:N:301:LEU:CD2	1:N:324:LEU:HD21	2.39	0.44
1:N:382:PRO:O	1:N:385:LEU:HB2	2.18	0.44
1:N:396:SER:O	1:N:399:MET:HB2	2.17	0.44
1:N:510:ALA:CB	1:N:645:UNK:O	2.64	0.44
1:N:649:UNK:CB	1:N:670:UNK:CB	2.95	0.44
1:N:1022:UNK:HA	1:N:1045:UNK:HA	1.98	0.44
1:O:58:THR:HG23	1:O:59:LEU:N	2.32	0.44
1:O:382:PRO:O	1:O:385:LEU:HB2	2.18	0.44
1:O:410:LEU:HA	1:O:423:PRO:CB	2.48	0.44
1:O:488:ARG:HD2	1:O:494:PHE:N	2.33	0.44
1:O:499:GLN:NE2	1:O:554:ILE:HG12	2.30	0.44
1:O:649:UNK:CB	1:O:670:UNK:CB	2.95	0.44
1:P:12:TYR:CZ	1:P:91:PRO:HB2	2.52	0.44
1:P:51:SER:HB3	1:P:56:SER:CB	2.47	0.44
1:P:127:ARG:CG	1:P:292:LEU:CD2	2.95	0.44
1:P:157:LYS:HD3	3:P:1402:DTP:O2B	2.17	0.44
1:P:193:LEU:CD2	1:P:224:ILE:HD12	2.41	0.44
1:P:382:PRO:O	1:P:385:LEU:HB2	2.18	0.44
1:P:466:TYR:CD1	1:P:466:TYR:C	2.90	0.44
1:P:488:ARG:HD2	1:P:494:PHE:N	2.33	0.44
1:P:710:UNK:CB	1:P:739:UNK:CB	2.95	0.44
1:A:368:MET:CG	1:A:390:TRP:NE1	2.78	0.44
1:A:379:ALA:CB	1:A:470:HIS:CE1	3.00	0.44
1:A:382:PRO:O	1:A:385:LEU:HB2	2.18	0.44
1:A:483:ARG:HE	1:A:527:TYR:HB2	1.79	0.44
1:A:488:ARG:HD2	1:A:494:PHE:N	2.33	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:488:ARG:CA	1:A:491:PHE:H	2.18	0.44
1:A:520:GLN:HG2	1:A:524:TYR:HE2	1.82	0.44
1:A:527:TYR:HD1	1:A:527:TYR:HA	1.68	0.44
1:A:649:UNK:CB	1:A:670:UNK:CB	2.95	0.44
1:A:987:UNK:N	1:A:994:UNK:CB	2.80	0.44
1:B:139:LEU:HD13	1:B:139:LEU:O	2.18	0.44
1:B:148:LEU:HD22	1:B:148:LEU:HA	1.63	0.44
1:B:327:ILE:CG2	1:B:331:ILE:CD1	2.95	0.44
1:B:379:ALA:CB	1:B:470:HIS:CE1	3.00	0.44
1:B:382:PRO:HA	1:B:419:THR:HA	2.00	0.44
1:B:408:TYR:O	1:B:409:SER:HB2	2.16	0.44
1:C:148:LEU:HD22	1:C:148:LEU:HA	1.63	0.44
1:C:262:ILE:CG2	1:C:263:LEU:N	2.81	0.44
1:C:312:LEU:O	1:C:316:VAL:HG13	2.18	0.44
1:C:410:LEU:HA	1:C:423:PRO:CB	2.48	0.44
1:C:562:LEU:HD12	1:C:577:ALA:HA	1.99	0.44
1:C:581:VAL:O	1:C:1035:UNK:N	2.50	0.44
1:C:602:UNK:C	1:C:1000:UNK:CB	2.95	0.44
1:C:987:UNK:N	1:C:994:UNK:CB	2.80	0.44
1:D:51:SER:HB3	1:D:56:SER:CB	2.47	0.44
1:D:92:ILE:HG23	1:D:93:LYS:N	2.31	0.44
1:D:253:TRP:CE2	1:D:271:VAL:HG11	2.53	0.44
1:D:256:PHE:CD1	1:D:256:PHE:C	2.91	0.44
1:D:353:ILE:CD1	1:D:426:TYR:HE2	2.13	0.44
1:D:843:UNK:CB	1:D:889:UNK:CB	2.95	0.44
1:E:58:THR:HG23	1:E:59:LEU:N	2.32	0.44
1:E:81:LEU:HA	1:E:89:MET:HE2	1.98	0.44
1:E:124:ASN:CB	3:E:1402:DTP:HN62	2.31	0.44
1:E:139:LEU:HD13	1:E:139:LEU:O	2.18	0.44
1:E:221:ILE:HD13	1:E:221:ILE:H	1.82	0.44
1:E:301:LEU:CD1	1:E:305:LEU:CD1	2.95	0.44
1:E:301:LEU:CD1	1:E:305:LEU:HG	2.47	0.44
1:E:497:LEU:HD23	1:E:497:LEU:HA	1.61	0.44
1:E:987:UNK:N	1:E:994:UNK:CB	2.80	0.44
1:F:1:MET:CE	1:F:65:LEU:CD1	2.95	0.44
1:F:9:GLN:HB3	1:F:62:PHE:CE1	2.51	0.44
1:F:12:TYR:CZ	1:F:91:PRO:HB2	2.52	0.44
1:F:256:PHE:C	1:F:256:PHE:CD1	2.91	0.44
1:F:393:VAL:HG12	1:F:394:ILE:H	1.81	0.44
1:F:710:UNK:CB	1:F:739:UNK:CB	2.95	0.44
1:G:7:GLU:CG	1:G:107:ILE:CD1	2.93	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:32:VAL:C	1:G:36:PRO:CD	2.80	0.44
1:G:68:LYS:CB	1:G:72:MET:HB2	2.47	0.44
1:G:410:LEU:HA	1:G:423:PRO:CB	2.48	0.44
1:G:488:ARG:HD2	1:G:494:PHE:N	2.33	0.44
1:H:105:MET:HE2	1:H:106:TYR:CE1	2.53	0.44
1:H:301:LEU:CD2	1:H:324:LEU:HD21	2.39	0.44
1:H:396:SER:O	1:H:399:MET:HB2	2.17	0.44
1:H:495:ARG:CB	1:H:561:LEU:HD11	2.45	0.44
1:H:649:UNK:CB	1:H:670:UNK:CB	2.95	0.44
1:I:51:SER:HB3	1:I:56:SER:CB	2.47	0.44
1:I:119:VAL:CB	1:J:278:ALA:N	2.79	0.44
1:I:139:LEU:HD13	1:I:139:LEU:O	2.18	0.44
1:I:256:PHE:CD2	1:I:262:ILE:HG13	2.46	0.44
1:I:314:ARG:CG	1:I:341:TRP:CH2	2.99	0.44
1:I:382:PRO:O	1:I:385:LEU:HB2	2.18	0.44
1:I:484:MET:HA	1:I:489:MET:HE1	1.97	0.44
1:J:51:SER:HB3	1:J:56:SER:CB	2.47	0.44
1:J:183:LEU:N	1:J:183:LEU:HD22	2.32	0.44
1:J:253:TRP:CE2	1:J:271:VAL:HG11	2.53	0.44
1:J:288:HIS:CG	1:J:289:SER:N	2.85	0.44
1:J:402:VAL:CG2	1:J:403:ASN:N	2.81	0.44
1:J:515:LEU:CD1	1:J:519:GLN:CB	2.95	0.44
1:K:157:LYS:HE3	1:K:265:THR:HB	1.99	0.44
1:K:207:TRP:N	1:K:207:TRP:CD1	2.83	0.44
1:K:268:PHE:HZ	1:K:407:LYS:CB	2.30	0.44
1:K:410:LEU:HA	1:K:423:PRO:CB	2.48	0.44
1:K:488:ARG:HD2	1:K:494:PHE:N	2.33	0.44
1:K:520:GLN:HG2	1:K:524:TYR:HE2	1.82	0.44
1:K:562:LEU:HD12	1:K:577:ALA:HA	1.99	0.44
1:K:1284:UNK:HA	1:K:1323:UNK:O	2.17	0.44
1:L:139:LEU:HD13	1:L:139:LEU:O	2.18	0.44
1:L:206:ASN:HB3	1:L:207:TRP:H	1.41	0.44
1:L:272:THR:CG2	1:L:282:HIS:NE2	2.80	0.44
1:L:327:ILE:CG2	1:L:331:ILE:CD1	2.95	0.44
1:L:466:TYR:CD1	1:L:470:HIS:CB	3.00	0.44
1:L:1284:UNK:HA	1:L:1323:UNK:O	2.17	0.44
1:M:150:ASP:CA	1:M:266:THR:O	2.66	0.44
1:M:371:ARG:CB	1:M:389:ILE:CG2	2.93	0.44
1:M:379:ALA:CB	1:M:470:HIS:CE1	3.00	0.44
1:M:390:TRP:HD1	1:M:398:VAL:CB	2.30	0.44
1:M:602:UNK:C	1:M:1000:UNK:CB	2.95	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:120:PHE:CZ	1:N:122:LYS:CD	2.98	0.44
1:N:253:TRP:HE3	1:N:275:LEU:CB	2.31	0.44
1:N:1284:UNK:HA	1:N:1323:UNK:O	2.17	0.44
1:O:84:ASN:CA	1:O:89:MET:HE1	2.44	0.44
1:O:127:ARG:CG	1:O:292:LEU:CD1	2.94	0.44
1:O:183:LEU:N	1:O:183:LEU:HD22	2.32	0.44
1:O:256:PHE:HD2	1:O:262:ILE:CG1	2.25	0.44
1:O:301:LEU:CD1	1:O:305:LEU:HG	2.47	0.44
1:O:382:PRO:HA	1:O:419:THR:HA	2.00	0.44
1:P:139:LEU:HD13	1:P:139:LEU:O	2.18	0.44
1:P:187:ASN:ND2	1:P:187:ASN:H	2.16	0.44
1:P:200:LEU:CD1	1:P:208:THR:CG2	2.95	0.44
1:P:256:PHE:C	1:P:256:PHE:CD1	2.91	0.44
1:P:262:ILE:CG2	1:P:264:LEU:CD1	2.94	0.44
1:P:268:PHE:CZ	1:P:270:GLN:HG2	2.53	0.44
1:P:301:LEU:CD1	1:P:305:LEU:CD1	2.95	0.44
1:P:987:UNK:N	1:P:994:UNK:CB	2.80	0.44
1:A:124:ASN:CB	3:A:1402:DTP:HN62	2.31	0.44
1:A:148:LEU:HD22	1:A:148:LEU:HA	1.63	0.44
1:A:256:PHE:CD2	1:A:262:ILE:HG13	2.46	0.44
1:A:369:PHE:HZ	1:A:427:LEU:HD21	1.80	0.44
1:A:371:ARG:CB	1:A:389:ILE:CG2	2.93	0.44
1:A:602:UNK:C	1:A:1000:UNK:CB	2.95	0.44
1:A:1172:UNK:CB	1:A:1191:UNK:CB	2.96	0.44
1:B:139:LEU:HD21	1:B:174:MET:SD	2.58	0.44
1:B:272:THR:CG2	1:B:282:HIS:NE2	2.80	0.44
1:B:488:ARG:HD2	1:B:494:PHE:N	2.33	0.44
1:C:56:SER:CA	1:C:128:LEU:HD22	2.48	0.44
1:C:384:ILE:CG2	1:C:463:LEU:HD22	2.39	0.44
1:C:463:LEU:N	1:C:463:LEU:CD1	2.81	0.44
1:C:499:GLN:NE2	1:C:554:ILE:HG12	2.30	0.44
1:C:1284:UNK:HA	1:C:1323:UNK:O	2.17	0.44
1:D:124:ASN:CB	3:D:1402:DTP:HN62	2.30	0.44
1:D:157:LYS:HD3	3:D:1402:DTP:O2B	2.17	0.44
1:D:187:ASN:ND2	1:D:187:ASN:H	2.16	0.44
1:D:272:THR:CG2	1:D:282:HIS:NE2	2.80	0.44
1:D:288:HIS:CG	1:D:289:SER:N	2.85	0.44
1:D:396:SER:O	1:D:399:MET:HB2	2.17	0.44
1:D:515:LEU:CD1	1:D:519:GLN:CB	2.95	0.44
1:E:56:SER:CA	1:E:128:LEU:HD22	2.48	0.44
1:E:187:ASN:ND2	1:E:187:ASN:H	2.16	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:253:TRP:CE2	1:E:271:VAL:HG11	2.53	0.44
1:E:301:LEU:HD13	1:E:328:ALA:CB	2.45	0.44
1:E:525:LYS:HB3	1:E:526:PRO:HD3	1.98	0.44
1:F:51:SER:HB3	1:F:56:SER:CB	2.47	0.44
1:F:193:LEU:CD2	1:F:224:ILE:HD12	2.41	0.44
1:F:256:PHE:HD2	1:F:262:ILE:CG1	2.25	0.44
1:F:322:ARG:NH2	1:F:326:ILE:HB	2.33	0.44
1:G:7:GLU:HG2	1:G:107:ILE:HD13	1.94	0.44
1:G:253:TRP:HE3	1:G:275:LEU:CB	2.31	0.44
1:G:301:LEU:HD13	1:G:328:ALA:CB	2.45	0.44
1:G:327:ILE:HG22	1:G:331:ILE:CD1	2.44	0.44
1:G:499:GLN:NE2	1:G:554:ILE:HG12	2.30	0.44
1:H:7:GLU:CG	1:H:107:ILE:CD1	2.93	0.44
1:H:12:TYR:CZ	1:H:91:PRO:HB2	2.52	0.44
1:H:139:LEU:HD13	1:H:139:LEU:O	2.18	0.44
1:H:193:LEU:CD2	1:H:221:ILE:HA	2.32	0.44
1:H:240:CYS:SG	1:H:242:LEU:HD21	2.58	0.44
1:H:253:TRP:HE3	1:H:275:LEU:CB	2.31	0.44
1:H:1172:UNK:CB	1:H:1191:UNK:CB	2.96	0.44
1:I:56:SER:CA	1:I:128:LEU:HD22	2.48	0.44
1:I:58:THR:HG23	1:I:59:LEU:N	2.32	0.44
1:I:120:PHE:CZ	1:I:122:LYS:CD	2.98	0.44
1:I:253:TRP:CE2	1:I:271:VAL:HG11	2.53	0.44
1:I:256:PHE:CE2	1:I:262:ILE:CB	2.93	0.44
1:I:301:LEU:HD13	1:I:328:ALA:CB	2.45	0.44
1:I:312:LEU:O	1:I:316:VAL:HG13	2.18	0.44
1:I:393:VAL:HG12	1:I:394:ILE:H	1.81	0.44
1:I:520:GLN:HG2	1:I:524:TYR:HE2	1.82	0.44
1:I:525:LYS:HB3	1:I:526:PRO:HD3	1.98	0.44
1:J:157:LYS:HD3	3:J:1402:DTP:O2B	2.17	0.44
1:J:187:ASN:ND2	1:J:187:ASN:H	2.16	0.44
1:J:196:LEU:CD2	1:J:224:ILE:CG2	2.94	0.44
1:J:256:PHE:CD1	1:J:256:PHE:C	2.91	0.44
1:J:272:THR:CG2	1:J:282:HIS:NE2	2.80	0.44
1:J:353:ILE:CD1	1:J:426:TYR:HE2	2.13	0.44
1:K:10:TYR:HE1	1:K:167:SER:CA	2.30	0.44
1:K:56:SER:CA	1:K:128:LEU:HD22	2.48	0.44
1:K:123:TYR:CG	1:K:303:LYS:CB	2.95	0.44
1:K:157:LYS:HG2	1:K:287:HIS:HD2	1.81	0.44
1:K:312:LEU:O	1:K:316:VAL:HG13	2.18	0.44
1:K:602:UNK:C	1:K:1000:UNK:CB	2.95	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:987:UNK:N	1:K:994:UNK:CB	2.80	0.44
1:L:10:TYR:HE1	1:L:167:SER:CA	2.30	0.44
1:L:127:ARG:CG	1:L:292:LEU:CD1	2.94	0.44
1:L:139:LEU:HD21	1:L:174:MET:SD	2.58	0.44
1:L:322:ARG:NH2	1:L:326:ILE:HB	2.33	0.44
1:L:379:ALA:CB	1:L:470:HIS:CE1	3.00	0.44
1:L:458:LEU:CD1	1:L:580:GLN:HE21	2.31	0.44
1:L:488:ARG:HD2	1:L:494:PHE:N	2.33	0.44
1:M:7:GLU:HG2	1:M:107:ILE:CD1	2.48	0.44
1:M:7:GLU:CG	1:M:107:ILE:CD1	2.93	0.44
1:M:51:SER:HB3	1:M:56:SER:CB	2.47	0.44
1:M:382:PRO:O	1:M:385:LEU:HB2	2.18	0.44
1:M:649:UNK:CB	1:M:670:UNK:CB	2.95	0.44
1:M:843:UNK:CB	1:M:889:UNK:CB	2.95	0.44
1:N:193:LEU:CD2	1:N:221:ILE:HA	2.32	0.44
1:N:240:CYS:SG	1:N:242:LEU:HD21	2.58	0.44
1:N:987:UNK:N	1:N:994:UNK:CB	2.80	0.44
1:N:1172:UNK:CB	1:N:1191:UNK:CB	2.96	0.44
1:O:30:LYS:HE3	1:O:30:LYS:HB2	1.83	0.44
1:O:253:TRP:HE3	1:O:275:LEU:CB	2.31	0.44
1:O:602:UNK:C	1:O:1000:UNK:CB	2.95	0.44
1:P:7:GLU:HG3	1:P:110:ARG:HH21	1.82	0.44
1:P:58:THR:HG23	1:P:59:LEU:N	2.32	0.44
1:P:322:ARG:NH2	1:P:326:ILE:HB	2.33	0.44
1:P:372:LEU:HD11	1:P:427:LEU:HD13	1.98	0.44
1:P:396:SER:O	1:P:399:MET:HB2	2.17	0.44
1:A:7:GLU:HG2	1:A:107:ILE:CD1	2.48	0.44
1:A:843:UNK:CB	1:A:889:UNK:CB	2.95	0.44
1:B:10:TYR:HE1	1:B:167:SER:CA	2.30	0.44
1:B:127:ARG:CG	1:B:292:LEU:CD1	2.94	0.44
1:B:322:ARG:NH2	1:B:326:ILE:HB	2.33	0.44
1:B:458:LEU:CD1	1:B:580:GLN:HE21	2.31	0.44
1:C:106:TYR:CG	1:C:169:LYS:HB2	2.50	0.44
1:C:113:LEU:CB	1:C:166:LEU:CD1	2.93	0.44
1:C:466:TYR:CD1	1:C:466:TYR:C	2.90	0.44
1:C:488:ARG:HD2	1:C:494:PHE:N	2.33	0.44
1:D:1:MET:CE	1:D:65:LEU:CD1	2.95	0.44
1:D:204:ASP:CG	1:D:235:LYS:HZ1	2.21	0.44
1:D:262:ILE:CG2	1:D:263:LEU:N	2.81	0.44
1:D:278:ALA:N	1:E:119:VAL:CB	2.79	0.44
1:D:301:LEU:HD13	1:D:328:ALA:CB	2.45	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:322:ARG:NH2	1:D:326:ILE:HB	2.33	0.44
1:D:382:PRO:HA	1:D:419:THR:HA	2.00	0.44
1:D:463:LEU:N	1:D:463:LEU:CD1	2.81	0.44
1:D:466:TYR:CD1	1:D:466:TYR:C	2.90	0.44
1:D:562:LEU:HD12	1:D:577:ALA:HA	1.99	0.44
1:D:987:UNK:N	1:D:994:UNK:CB	2.80	0.44
1:E:51:SER:HB3	1:E:56:SER:CB	2.47	0.44
1:E:142:ARG:CB	1:E:143:PRO:HD3	2.39	0.44
1:E:183:LEU:HD22	1:E:183:LEU:N	2.32	0.44
1:E:312:LEU:O	1:E:316:VAL:HG13	2.18	0.44
1:E:322:ARG:HB2	1:E:322:ARG:HH11	1.82	0.44
1:E:327:ILE:HG22	1:E:331:ILE:CD1	2.44	0.44
1:E:342:LYS:HD3	1:E:342:LYS:C	2.37	0.44
1:E:368:MET:CG	1:E:390:TRP:NE1	2.78	0.44
1:E:372:LEU:HD23	1:E:372:LEU:C	2.38	0.44
1:E:394:ILE:O	1:E:395:LYS:HB2	2.18	0.44
1:E:466:TYR:CD1	1:E:470:HIS:CB	3.00	0.44
1:E:484:MET:HA	1:E:489:MET:HE2	1.97	0.44
1:E:495:ARG:CB	1:E:561:LEU:HD11	2.45	0.44
1:E:649:UNK:CB	1:E:671:UNK:N	2.81	0.44
1:F:35:MET:N	1:F:36:PRO:HD2	2.32	0.44
1:F:58:THR:HG23	1:F:59:LEU:N	2.32	0.44
1:F:207:TRP:CD1	1:F:207:TRP:N	2.83	0.44
1:F:253:TRP:HE3	1:F:275:LEU:CB	2.31	0.44
1:F:262:ILE:CG2	1:F:264:LEU:CD1	2.94	0.44
1:F:322:ARG:HB2	1:F:322:ARG:HH11	1.82	0.44
1:F:394:ILE:O	1:F:395:LYS:HB2	2.18	0.44
1:F:466:TYR:CD1	1:F:470:HIS:CB	3.00	0.44
1:F:510:ALA:CB	1:F:647:UNK:C	2.96	0.44
1:F:1118:UNK:HA	1:F:1126:UNK:HA	1.99	0.44
1:G:7:GLU:HG2	1:G:107:ILE:CD1	2.48	0.44
1:G:127:ARG:CG	1:G:292:LEU:CD1	2.94	0.44
1:G:187:ASN:H	1:G:187:ASN:ND2	2.16	0.44
1:G:240:CYS:SG	1:G:242:LEU:HD21	2.58	0.44
1:G:379:ALA:CB	1:G:470:HIS:CE1	3.00	0.44
1:G:510:ALA:CB	1:G:647:UNK:C	2.96	0.44
1:H:120:PHE:CZ	1:H:122:LYS:CD	2.98	0.44
1:H:196:LEU:CD2	1:H:224:ILE:CG2	2.94	0.44
1:H:987:UNK:N	1:H:994:UNK:CB	2.80	0.44
1:H:1284:UNK:HA	1:H:1323:UNK:O	2.17	0.44
1:I:124:ASN:CB	3:I:1402:DTP:HN62	2.31	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:183:LEU:HD22	1:I:183:LEU:N	2.32	0.44
1:I:187:ASN:ND2	1:I:187:ASN:H	2.16	0.44
1:I:221:ILE:HD13	1:I:221:ILE:H	1.82	0.44
1:I:369:PHE:HZ	1:I:427:LEU:CD2	2.31	0.44
1:I:372:LEU:HD23	1:I:372:LEU:C	2.38	0.44
1:I:394:ILE:O	1:I:395:LYS:HB2	2.18	0.44
1:I:466:TYR:CD1	1:I:470:HIS:CB	3.00	0.44
1:I:488:ARG:HD2	1:I:494:PHE:N	2.33	0.44
1:I:542:ILE:HD12	1:I:543:LEU:HA	2.00	0.44
1:I:649:UNK:CB	1:I:671:UNK:N	2.81	0.44
1:J:1:MET:CE	1:J:65:LEU:CD1	2.95	0.44
1:J:32:VAL:CG1	1:J:45:ILE:HG21	2.47	0.44
1:J:113:LEU:CB	1:J:166:LEU:CD1	2.93	0.44
1:J:124:ASN:CB	3:J:1402:DTP:HN62	2.30	0.44
1:J:301:LEU:HD13	1:J:328:ALA:CB	2.45	0.44
1:J:322:ARG:NH2	1:J:326:ILE:HB	2.33	0.44
1:J:396:SER:O	1:J:399:MET:HB2	2.17	0.44
1:J:488:ARG:HD2	1:J:494:PHE:N	2.33	0.44
1:J:495:ARG:HH22	1:J:549:ILE:CD1	2.30	0.44
1:J:538:LEU:CD1	1:J:572:ALA:HB3	2.42	0.44
1:J:562:LEU:HD12	1:J:577:ALA:HA	1.99	0.44
1:J:987:UNK:N	1:J:994:UNK:CB	2.80	0.44
1:K:463:LEU:N	1:K:463:LEU:CD1	2.81	0.44
1:K:483:ARG:HE	1:K:527:TYR:HB2	1.79	0.44
1:K:649:UNK:CB	1:K:670:UNK:CB	2.95	0.44
1:L:381:ILE:HD13	1:L:381:ILE:HG21	1.61	0.44
1:M:124:ASN:CB	3:M:1402:DTP:HN62	2.30	0.44
1:M:262:ILE:CG2	1:M:264:LEU:CD1	2.94	0.44
1:M:368:MET:CG	1:M:390:TRP:NE1	2.78	0.44
1:M:483:ARG:HE	1:M:527:TYR:HB2	1.79	0.44
1:M:1172:UNK:CB	1:M:1191:UNK:CB	2.96	0.44
1:N:120:PHE:HD1	1:N:121:ALA:N	2.10	0.44
1:N:139:LEU:HD13	1:N:139:LEU:O	2.18	0.44
1:N:495:ARG:CB	1:N:561:LEU:HD11	2.45	0.44
1:O:7:GLU:HG2	1:O:107:ILE:CD1	2.48	0.44
1:O:37:LYS:CG	1:O:38:SER:N	2.80	0.44
1:O:187:ASN:ND2	1:O:187:ASN:H	2.16	0.44
1:O:240:CYS:SG	1:O:242:LEU:HD21	2.58	0.44
1:O:379:ALA:CB	1:O:470:HIS:CE1	3.00	0.44
1:O:393:VAL:HG12	1:O:394:ILE:H	1.81	0.44
1:O:402:VAL:CG2	1:O:403:ASN:N	2.81	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:510:ALA:CB	1:O:647:UNK:C	2.96	0.44
1:P:35:MET:N	1:P:36:PRO:HD2	2.32	0.44
1:P:35:MET:O	1:P:40:LEU:N	2.45	0.44
1:P:322:ARG:HB2	1:P:322:ARG:HH11	1.82	0.44
1:P:394:ILE:O	1:P:395:LYS:HB2	2.18	0.44
1:P:458:LEU:CD1	1:P:580:GLN:HE21	2.31	0.44
1:P:510:ALA:CB	1:P:647:UNK:C	2.96	0.44
1:A:51:SER:HB3	1:A:56:SER:CB	2.47	0.44
1:A:240:CYS:SG	1:A:242:LEU:HD21	2.58	0.44
1:A:508:TRP:C	1:A:648:UNK:CB	2.87	0.44
1:A:510:ALA:CB	1:A:647:UNK:C	2.96	0.44
1:B:124:ASN:CB	3:B:1402:DTP:HN62	2.30	0.44
1:B:139:LEU:CD2	1:B:174:MET:SD	3.06	0.44
1:B:179:PHE:CZ	1:B:237:TYR:CE1	3.06	0.44
1:B:394:ILE:O	1:B:395:LYS:HB2	2.18	0.44
1:B:435:ASN:HD22	1:B:435:ASN:HA	1.43	0.44
1:B:492:LEU:HA	1:B:492:LEU:HD23	1.46	0.44
1:C:8:HIS:HB3	1:C:95:GLU:CG	2.41	0.44
1:C:37:LYS:CG	1:C:38:SER:N	2.80	0.44
1:C:123:TYR:CG	1:C:303:LYS:CB	2.95	0.44
1:C:124:ASN:CB	3:C:1402:DTP:HN62	2.31	0.44
1:C:139:LEU:CD2	1:C:174:MET:SD	3.06	0.44
1:C:148:LEU:CD2	1:C:282:HIS:HE1	2.17	0.44
1:C:157:LYS:HD3	3:C:1402:DTP:O2B	2.17	0.44
1:C:187:ASN:ND2	1:C:187:ASN:H	2.16	0.44
1:C:483:ARG:HE	1:C:527:TYR:HB2	1.79	0.44
1:C:557:LYS:N	1:C:597:UNK:CB	2.81	0.44
1:C:649:UNK:CB	1:C:670:UNK:CB	2.95	0.44
1:D:91:PRO:HA	1:D:94:THR:HG22	2.00	0.44
1:D:100:SER:HB3	1:D:102:MET:CE	2.46	0.44
1:D:262:ILE:CG2	1:D:264:LEU:CG	2.95	0.44
1:D:487:PHE:HE2	1:D:523:PHE:HB3	1.83	0.44
1:D:488:ARG:HD2	1:D:494:PHE:N	2.33	0.44
1:D:510:ALA:CB	1:D:647:UNK:C	2.96	0.44
1:E:113:LEU:CB	1:E:166:LEU:CD1	2.93	0.44
1:E:193:LEU:CD2	1:E:221:ILE:HA	2.32	0.44
1:E:256:PHE:HD2	1:E:262:ILE:CG1	2.25	0.44
1:E:393:VAL:HG12	1:E:394:ILE:H	1.81	0.44
1:E:396:SER:O	1:E:399:MET:HB2	2.17	0.44
1:E:408:TYR:O	1:E:409:SER:HB2	2.16	0.44
1:E:415:PRO:HD2	1:E:419:THR:O	2.18	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:488:ARG:HD2	1:E:494:PHE:N	2.33	0.44
1:E:508:TRP:C	1:E:648:UNK:CB	2.87	0.44
1:E:520:GLN:HG2	1:E:524:TYR:HE2	1.82	0.44
1:E:542:ILE:HD12	1:E:543:LEU:HA	2.00	0.44
1:E:557:LYS:N	1:E:597:UNK:CB	2.81	0.44
1:F:386:LEU:HG	1:F:420:ILE:HG12	2.00	0.44
1:F:458:LEU:CD1	1:F:580:GLN:HE21	2.31	0.44
1:F:649:UNK:CB	1:F:671:UNK:N	2.81	0.44
1:G:37:LYS:CG	1:G:38:SER:N	2.80	0.44
1:G:122:LYS:CG	1:G:304:TYR:CD2	3.01	0.44
1:G:139:LEU:HD21	1:G:174:MET:SD	2.58	0.44
1:G:148:LEU:HD21	1:G:264:LEU:HD13	1.99	0.44
1:G:372:LEU:HD11	1:G:427:LEU:HD13	1.99	0.44
1:G:402:VAL:CG2	1:G:403:ASN:N	2.81	0.44
1:G:542:ILE:HD12	1:G:543:LEU:HA	2.00	0.44
1:G:602:UNK:C	1:G:1000:UNK:CB	2.95	0.44
1:H:268:PHE:HD1	1:H:268:PHE:HA	1.62	0.44
1:H:369:PHE:HZ	1:H:427:LEU:CD2	2.31	0.44
1:H:487:PHE:HE2	1:H:523:PHE:HB3	1.83	0.44
1:I:125:VAL:N	1:I:300:LEU:CB	2.80	0.44
1:I:322:ARG:HB2	1:I:322:ARG:HH11	1.82	0.44
1:I:408:TYR:O	1:I:409:SER:HB2	2.16	0.44
1:I:508:TRP:C	1:I:648:UNK:CB	2.87	0.44
1:I:557:LYS:N	1:I:597:UNK:CB	2.81	0.44
1:J:91:PRO:HA	1:J:94:THR:HG22	2.00	0.44
1:J:120:PHE:CE1	1:J:122:LYS:CD	2.95	0.44
1:J:262:ILE:CG2	1:J:263:LEU:N	2.81	0.44
1:J:382:PRO:HA	1:J:419:THR:HA	2.00	0.44
1:J:463:LEU:N	1:J:463:LEU:CD1	2.81	0.44
1:J:466:TYR:CD1	1:J:466:TYR:C	2.90	0.44
1:J:487:PHE:HE2	1:J:523:PHE:HB3	1.83	0.44
1:J:510:ALA:CB	1:J:647:UNK:C	2.96	0.44
1:K:51:SER:HB3	1:K:56:SER:CB	2.47	0.44
1:K:113:LEU:CB	1:K:166:LEU:CD1	2.93	0.44
1:K:124:ASN:CB	3:K:1402:DTP:HN62	2.30	0.44
1:K:139:LEU:CD2	1:K:174:MET:SD	3.06	0.44
1:K:187:ASN:H	1:K:187:ASN:ND2	2.16	0.44
1:K:557:LYS:N	1:K:597:UNK:CB	2.81	0.44
1:L:60:ARG:HD3	1:L:60:ARG:HA	1.89	0.44
1:L:139:LEU:CD2	1:L:174:MET:SD	3.06	0.44
1:L:142:ARG:CB	1:L:143:PRO:HD3	2.39	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:179:PHE:CZ	1:L:237:TYR:CE1	3.06	0.44
1:L:382:PRO:O	1:L:385:LEU:HB2	2.18	0.44
1:L:394:ILE:O	1:L:395:LYS:HB2	2.18	0.44
1:L:463:LEU:N	1:L:463:LEU:CD1	2.81	0.44
1:L:510:ALA:CB	1:L:647:UNK:C	2.96	0.44
1:M:240:CYS:SG	1:M:242:LEU:HD21	2.58	0.44
1:M:256:PHE:CD2	1:M:262:ILE:HG13	2.46	0.44
1:M:466:TYR:CD1	1:M:470:HIS:CB	3.00	0.44
1:M:488:ARG:CA	1:M:491:PHE:H	2.18	0.44
1:M:508:TRP:C	1:M:648:UNK:CB	2.87	0.44
1:M:510:ALA:CB	1:M:647:UNK:C	2.96	0.44
1:N:322:ARG:NH2	1:N:326:ILE:HB	2.33	0.44
1:N:487:PHE:HE2	1:N:523:PHE:HB3	1.83	0.44
1:O:122:LYS:CG	1:O:304:TYR:CD2	3.01	0.44
1:O:262:ILE:CG2	1:O:264:LEU:CD1	2.94	0.44
1:O:301:LEU:HD13	1:O:328:ALA:CB	2.45	0.44
1:O:327:ILE:HG22	1:O:331:ILE:CD1	2.44	0.44
1:O:371:ARG:CB	1:O:389:ILE:CG2	2.93	0.44
1:O:372:LEU:HD11	1:O:427:LEU:HD13	1.98	0.44
1:O:843:UNK:CB	1:O:889:UNK:CB	2.95	0.44
1:P:139:LEU:CD2	1:P:174:MET:SD	3.06	0.44
1:P:207:TRP:N	1:P:207:TRP:CD1	2.83	0.44
1:P:253:TRP:HE3	1:P:275:LEU:CB	2.31	0.44
1:P:386:LEU:HG	1:P:420:ILE:HG12	2.00	0.44
1:P:466:TYR:CD1	1:P:470:HIS:CB	3.00	0.44
1:P:1118:UNK:HA	1:P:1126:UNK:HA	1.99	0.44
1:A:2:ASP:H	1:A:70:GLU:HG3	1.77	0.43
1:A:7:GLU:CG	1:A:107:ILE:CD1	2.93	0.43
1:A:139:LEU:CD2	1:A:174:MET:SD	3.06	0.43
1:A:139:LEU:HD21	1:A:174:MET:SD	2.58	0.43
1:A:179:PHE:CZ	1:A:237:TYR:CE1	3.06	0.43
1:A:196:LEU:CD1	1:A:224:ILE:CG2	2.94	0.43
1:A:262:ILE:CG2	1:A:264:LEU:CD1	2.94	0.43
1:A:538:LEU:CD1	1:A:572:ALA:CB	2.93	0.43
1:B:5:THR:HG21	1:B:73:VAL:CB	2.47	0.43
1:B:150:ASP:CA	1:B:266:THR:O	2.66	0.43
1:B:312:LEU:O	1:B:316:VAL:HG13	2.18	0.43
1:B:382:PRO:O	1:B:385:LEU:HB2	2.18	0.43
1:B:510:ALA:CB	1:B:647:UNK:C	2.96	0.43
1:B:649:UNK:CB	1:B:671:UNK:N	2.81	0.43
1:C:91:PRO:HA	1:C:94:THR:HG22	2.00	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:PHE:CZ	1:C:270:GLN:HG2	2.53	0.43
1:C:300:LEU:HD12	1:C:300:LEU:C	2.39	0.43
1:C:382:PRO:O	1:C:385:LEU:HB2	2.18	0.43
1:D:32:VAL:CG1	1:D:45:ILE:HG21	2.47	0.43
1:D:120:PHE:CE1	1:D:122:LYS:CD	2.95	0.43
1:D:268:PHE:HD1	1:D:268:PHE:HA	1.62	0.43
1:D:322:ARG:HB2	1:D:322:ARG:HH11	1.82	0.43
1:D:380:HIS:HE1	1:D:464:ASP:HB2	1.83	0.43
1:D:495:ARG:HH22	1:D:549:ILE:CD1	2.30	0.43
1:D:508:TRP:C	1:D:648:UNK:CB	2.87	0.43
1:D:509:ASN:CA	1:D:648:UNK:N	2.74	0.43
1:D:542:ILE:HD12	1:D:543:LEU:HA	2.00	0.43
1:E:5:THR:HG21	1:E:73:VAL:CB	2.47	0.43
1:E:120:PHE:CZ	1:E:122:LYS:CD	2.98	0.43
1:E:139:LEU:CD2	1:E:174:MET:SD	3.06	0.43
1:E:358:ASN:HD21	1:E:358:ASN:HA	1.48	0.43
1:E:463:LEU:N	1:E:463:LEU:CD1	2.81	0.43
1:E:581:VAL:O	1:E:1035:UNK:N	2.50	0.43
1:F:139:LEU:CD2	1:F:174:MET:SD	3.06	0.43
1:F:300:LEU:HD12	1:F:300:LEU:C	2.39	0.43
1:F:327:ILE:HG22	1:F:331:ILE:CD1	2.44	0.43
1:F:487:PHE:HE2	1:F:523:PHE:HB3	1.83	0.43
1:G:30:LYS:HE3	1:G:30:LYS:HB2	1.83	0.43
1:G:262:ILE:CG2	1:G:264:LEU:CD1	2.94	0.43
1:G:369:PHE:HZ	1:G:427:LEU:CD2	2.31	0.43
1:G:371:ARG:CB	1:G:389:ILE:CG2	2.93	0.43
1:G:394:ILE:O	1:G:395:LYS:HB2	2.18	0.43
1:G:396:SER:O	1:G:399:MET:HB2	2.17	0.43
1:G:458:LEU:CD1	1:G:580:GLN:HE21	2.31	0.43
1:G:536:GLU:HA	1:G:539:VAL:CG1	2.48	0.43
1:G:843:UNK:CB	1:G:889:UNK:CB	2.95	0.43
1:G:987:UNK:N	1:G:994:UNK:CB	2.80	0.43
1:G:1172:UNK:CB	1:G:1191:UNK:CB	2.96	0.43
1:H:139:LEU:HD21	1:H:174:MET:SD	2.58	0.43
1:H:262:ILE:CG2	1:H:264:LEU:CD1	2.94	0.43
1:H:322:ARG:NH2	1:H:326:ILE:HB	2.33	0.43
1:H:372:LEU:HD23	1:H:372:LEU:C	2.38	0.43
1:H:379:ALA:CB	1:H:470:HIS:CE1	3.00	0.43
1:H:390:TRP:HD1	1:H:398:VAL:CB	2.30	0.43
1:H:497:LEU:HD23	1:H:497:LEU:HA	1.61	0.43
1:H:558:TYR:CE2	1:H:1035:UNK:CB	3.01	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:5:THR:HG21	1:I:73:VAL:CB	2.47	0.43
1:I:193:LEU:CD2	1:I:221:ILE:HA	2.32	0.43
1:I:368:MET:CG	1:I:390:TRP:NE1	2.78	0.43
1:I:396:SER:O	1:I:399:MET:HB2	2.17	0.43
1:I:415:PRO:HD2	1:I:419:THR:O	2.18	0.43
1:I:495:ARG:CB	1:I:561:LEU:HD11	2.45	0.43
1:I:558:TYR:HE2	1:I:1035:UNK:CB	2.31	0.43
1:J:100:SER:HB3	1:J:102:MET:CE	2.46	0.43
1:J:262:ILE:CG2	1:J:264:LEU:CG	2.95	0.43
1:J:353:ILE:HG21	1:J:430:LYS:CD	2.46	0.43
1:J:380:HIS:HE1	1:J:464:ASP:HB2	1.83	0.43
1:J:484:MET:HA	1:J:489:MET:HE2	1.97	0.43
1:J:508:TRP:C	1:J:648:UNK:CB	2.87	0.43
1:J:542:ILE:HD12	1:J:543:LEU:HA	2.00	0.43
1:K:91:PRO:HA	1:K:94:THR:HG22	2.00	0.43
1:K:106:TYR:CG	1:K:169:LYS:HB2	2.50	0.43
1:K:122:LYS:CG	1:K:304:TYR:CD2	3.01	0.43
1:K:157:LYS:HD3	3:K:1402:DTP:O2B	2.17	0.43
1:K:268:PHE:CZ	1:K:270:GLN:HG2	2.53	0.43
1:K:300:LEU:HD12	1:K:300:LEU:C	2.39	0.43
1:K:458:LEU:CD1	1:K:580:GLN:HE21	2.31	0.43
1:K:466:TYR:CD1	1:K:466:TYR:C	2.90	0.43
1:K:576:GLU:HG3	1:K:580:GLN:NE2	2.32	0.43
1:K:629:UNK:N	1:K:644:UNK:CB	2.81	0.43
1:L:124:ASN:CB	3:L:1402:DTP:HN62	2.30	0.43
1:L:649:UNK:CB	1:L:671:UNK:N	2.81	0.43
1:M:139:LEU:CD2	1:M:174:MET:SD	3.06	0.43
1:M:139:LEU:HD21	1:M:174:MET:SD	2.58	0.43
1:M:179:PHE:CZ	1:M:237:TYR:CE1	3.06	0.43
1:M:253:TRP:CE2	1:M:271:VAL:HG11	2.53	0.43
1:M:581:VAL:O	1:M:1035:UNK:N	2.50	0.43
1:M:649:UNK:CB	1:M:671:UNK:N	2.81	0.43
1:N:127:ARG:CG	1:N:292:LEU:CD2	2.95	0.43
1:N:139:LEU:HD21	1:N:174:MET:SD	2.58	0.43
1:N:196:LEU:CD2	1:N:224:ILE:CG2	2.94	0.43
1:N:196:LEU:CD1	1:N:224:ILE:CG2	2.94	0.43
1:N:369:PHE:HZ	1:N:427:LEU:CD2	2.31	0.43
1:N:379:ALA:CB	1:N:470:HIS:CE1	3.00	0.43
1:N:466:TYR:CD1	1:N:470:HIS:CB	3.00	0.43
1:N:542:ILE:HD12	1:N:543:LEU:HA	2.00	0.43
1:N:558:TYR:CE2	1:N:1035:UNK:CB	3.01	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:32:VAL:C	1:O:36:PRO:CD	2.80	0.43
1:O:139:LEU:HD21	1:O:174:MET:SD	2.58	0.43
1:O:148:LEU:HD21	1:O:264:LEU:HD13	1.99	0.43
1:O:150:ASP:CA	1:O:266:THR:O	2.66	0.43
1:O:369:PHE:HZ	1:O:427:LEU:CD2	2.31	0.43
1:O:394:ILE:O	1:O:395:LYS:HB2	2.18	0.43
1:O:458:LEU:CD1	1:O:580:GLN:HE21	2.31	0.43
1:O:466:TYR:CD1	1:O:470:HIS:CB	3.00	0.43
1:O:542:ILE:HD12	1:O:543:LEU:HA	2.00	0.43
1:O:1172:UNK:CB	1:O:1191:UNK:CB	2.96	0.43
1:P:7:GLU:CG	1:P:107:ILE:CD1	2.93	0.43
1:P:37:LYS:CG	1:P:38:SER:N	2.80	0.43
1:P:256:PHE:HD2	1:P:262:ILE:CG1	2.25	0.43
1:P:300:LEU:HD12	1:P:300:LEU:C	2.39	0.43
1:P:487:PHE:HE2	1:P:523:PHE:HB3	1.83	0.43
1:P:508:TRP:C	1:P:648:UNK:CB	2.87	0.43
1:P:649:UNK:CB	1:P:671:UNK:N	2.81	0.43
1:A:246:ASN:H	1:A:265:THR:HG1	1.66	0.43
1:A:253:TRP:CE2	1:A:271:VAL:HG11	2.53	0.43
1:A:466:TYR:CD1	1:A:470:HIS:CB	3.00	0.43
1:A:649:UNK:CB	1:A:671:UNK:N	2.81	0.43
1:B:60:ARG:HD3	1:B:60:ARG:HA	1.89	0.43
1:B:157:LYS:HD3	3:B:1402:DTP:O2B	2.17	0.43
1:B:170:VAL:CG2	1:B:171:GLN:N	2.81	0.43
1:B:369:PHE:HZ	1:B:427:LEU:CD2	2.31	0.43
1:B:1172:UNK:CB	1:B:1191:UNK:CB	2.96	0.43
1:C:51:SER:HB3	1:C:56:SER:CB	2.47	0.43
1:C:88:LEU:N	1:C:88:LEU:CD2	2.80	0.43
1:C:122:LYS:CG	1:C:304:TYR:CD2	3.01	0.43
1:C:129:GLN:HB2	1:C:130:PRO:CD	2.44	0.43
1:C:179:PHE:CZ	1:C:237:TYR:CE1	3.06	0.43
1:C:458:LEU:CD1	1:C:580:GLN:HE21	2.31	0.43
1:C:629:UNK:N	1:C:644:UNK:CB	2.81	0.43
1:D:122:LYS:CG	1:D:304:TYR:CD2	3.01	0.43
1:D:458:LEU:CD1	1:D:580:GLN:HE21	2.31	0.43
1:D:576:GLU:HG3	1:D:580:GLN:NE2	2.32	0.43
1:E:87:PHE:CZ	1:M:87:PHE:CE1	3.06	0.43
1:E:88:LEU:N	1:E:88:LEU:CD2	2.80	0.43
1:E:256:PHE:CE2	1:E:262:ILE:CB	2.93	0.43
1:E:369:PHE:HZ	1:E:427:LEU:CD2	2.31	0.43
1:E:386:LEU:HG	1:E:420:ILE:HG12	2.00	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:414:GLN:HA	1:E:415:PRO:HD2	1.78	0.43
1:E:558:TYR:HE2	1:E:1035:UNK:CB	2.31	0.43
1:F:7:GLU:HG2	1:F:107:ILE:CD1	2.48	0.43
1:F:37:LYS:CG	1:F:38:SER:N	2.80	0.43
1:F:379:ALA:CB	1:F:470:HIS:CE1	3.00	0.43
1:F:463:LEU:N	1:F:463:LEU:CD1	2.81	0.43
1:F:508:TRP:C	1:F:648:UNK:CB	2.87	0.43
1:G:150:ASP:CA	1:G:266:THR:O	2.66	0.43
1:G:221:ILE:HD13	1:G:221:ILE:H	1.82	0.43
1:G:300:LEU:HD12	1:G:300:LEU:C	2.39	0.43
1:G:466:TYR:CD1	1:G:470:HIS:CB	3.00	0.43
1:H:81:LEU:HA	1:H:89:MET:HE2	2.00	0.43
1:H:120:PHE:HD1	1:H:121:ALA:N	2.10	0.43
1:H:196:LEU:CD1	1:H:224:ILE:CG2	2.94	0.43
1:H:466:TYR:CD1	1:H:470:HIS:CB	3.00	0.43
1:H:542:ILE:HD12	1:H:543:LEU:HA	2.00	0.43
1:I:113:LEU:CB	1:I:166:LEU:CD1	2.93	0.43
1:I:139:LEU:CD2	1:I:174:MET:SD	3.06	0.43
1:I:300:LEU:HD12	1:I:300:LEU:C	2.39	0.43
1:I:327:ILE:HG22	1:I:331:ILE:CD1	2.44	0.43
1:I:380:HIS:HE1	1:I:464:ASP:HB2	1.84	0.43
1:I:581:VAL:O	1:I:1035:UNK:N	2.50	0.43
3:I:1402:DTP:H2'2	3:I:1402:DTP:H5'2	1.46	0.43
1:J:121:ALA:HB1	3:J:1402:DTP:H2	1.96	0.43
1:J:122:LYS:CG	1:J:304:TYR:CD2	3.01	0.43
1:J:123:TYR:CG	1:J:303:LYS:CB	2.95	0.43
1:J:415:PRO:HD2	1:J:419:THR:O	2.18	0.43
1:K:37:LYS:CG	1:K:38:SER:N	2.80	0.43
1:K:88:LEU:N	1:K:88:LEU:CD2	2.80	0.43
1:K:179:PHE:CZ	1:K:237:TYR:CE1	3.06	0.43
1:K:382:PRO:O	1:K:385:LEU:HB2	2.18	0.43
1:K:415:PRO:HD2	1:K:419:THR:O	2.18	0.43
1:L:150:ASP:CA	1:L:266:THR:O	2.66	0.43
1:L:157:LYS:HD3	3:L:1402:DTP:O2B	2.17	0.43
1:L:312:LEU:O	1:L:316:VAL:HG13	2.18	0.43
1:L:369:PHE:HZ	1:L:427:LEU:CD2	2.31	0.43
1:L:1172:UNK:CB	1:L:1191:UNK:CB	2.96	0.43
1:M:20:GLU:CG	1:M:85:TYR:CE2	2.93	0.43
1:M:122:LYS:CG	1:M:304:TYR:CD2	3.01	0.43
1:M:139:LEU:HD13	1:M:139:LEU:O	2.18	0.43
1:M:196:LEU:CD1	1:M:224:ILE:CG2	2.94	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:382:PRO:HA	1:M:419:THR:HA	2.00	0.43
1:M:391:PHE:CD1	1:M:398:VAL:CG1	2.93	0.43
1:N:20:GLU:HA	1:N:85:TYR:HH	1.83	0.43
1:N:24:VAL:CG2	1:N:27:PHE:CE2	2.94	0.43
1:N:353:ILE:HG21	1:N:430:LYS:CD	2.46	0.43
1:N:372:LEU:HD23	1:N:372:LEU:C	2.38	0.43
1:N:410:LEU:HA	1:N:423:PRO:CB	2.48	0.43
1:O:56:SER:CA	1:O:128:LEU:HD22	2.48	0.43
1:O:121:ALA:HB1	3:O:1402:DTP:H2	1.96	0.43
1:O:123:TYR:CG	1:O:303:LYS:CB	2.95	0.43
1:O:396:SER:O	1:O:399:MET:HB2	2.17	0.43
1:O:536:GLU:HA	1:O:539:VAL:CG1	2.48	0.43
1:O:987:UNK:N	1:O:994:UNK:CB	2.80	0.43
1:P:68:LYS:CB	1:P:72:MET:HB2	2.47	0.43
1:P:192:VAL:CG1	1:P:251:LYS:CD	2.94	0.43
1:P:288:HIS:CG	1:P:289:SER:N	2.85	0.43
1:P:1068:UNK:HA	1:P:1072:UNK:HA	2.00	0.43
1:A:87:PHE:CE1	1:I:87:PHE:CZ	3.06	0.43
1:A:122:LYS:CG	1:A:304:TYR:CD2	3.01	0.43
1:A:139:LEU:HD13	1:A:139:LEU:O	2.18	0.43
1:A:256:PHE:C	1:A:256:PHE:CD1	2.91	0.43
1:A:535:TYR:O	1:A:539:VAL:HG12	2.19	0.43
1:A:558:TYR:CE2	1:A:1035:UNK:CB	3.01	0.43
1:A:581:VAL:O	1:A:1035:UNK:N	2.50	0.43
1:B:187:ASN:ND2	1:B:187:ASN:H	2.16	0.43
1:B:256:PHE:CD1	1:B:256:PHE:C	2.91	0.43
1:C:7:GLU:HG3	1:C:110:ARG:HH21	1.82	0.43
1:C:48:ILE:HG23	1:C:57:GLY:O	2.19	0.43
1:C:372:LEU:HD23	1:C:372:LEU:C	2.38	0.43
1:C:381:ILE:CG2	1:C:466:TYR:CE2	3.01	0.43
1:C:402:VAL:CG2	1:C:403:ASN:N	2.81	0.43
1:C:415:PRO:HD2	1:C:419:THR:O	2.18	0.43
1:C:525:LYS:HB3	1:C:526:PRO:HD3	1.98	0.43
1:C:576:GLU:HG3	1:C:580:GLN:NE2	2.32	0.43
1:D:327:ILE:HG22	1:D:331:ILE:CD1	2.44	0.43
1:D:353:ILE:HG21	1:D:430:LYS:CD	2.46	0.43
1:D:415:PRO:HD2	1:D:419:THR:O	2.18	0.43
1:D:484:MET:HA	1:D:489:MET:HE2	1.97	0.43
1:E:48:ILE:HG23	1:E:57:GLY:O	2.19	0.43
1:E:91:PRO:HA	1:E:94:THR:HG22	2.00	0.43
1:E:148:LEU:HD22	1:E:148:LEU:HA	1.63	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:300:LEU:HD12	1:E:300:LEU:C	2.39	0.43
1:E:300:LEU:CD1	1:E:301:LEU:N	2.82	0.43
1:E:380:HIS:HE1	1:E:464:ASP:HB2	1.84	0.43
1:F:35:MET:O	1:F:40:LEU:N	2.45	0.43
1:F:240:CYS:SG	1:F:242:LEU:HD21	2.58	0.43
1:F:415:PRO:HD2	1:F:419:THR:O	2.18	0.43
1:F:542:ILE:HD12	1:F:543:LEU:HA	2.00	0.43
1:F:1068:UNK:HA	1:F:1072:UNK:HA	2.00	0.43
1:G:139:LEU:CD2	1:G:174:MET:SD	3.06	0.43
1:G:488:ARG:HD2	1:G:494:PHE:CA	2.47	0.43
1:G:557:LYS:HD2	1:G:558:TYR:N	2.25	0.43
1:H:410:LEU:HA	1:H:423:PRO:CB	2.48	0.43
1:H:415:PRO:HD2	1:H:419:THR:O	2.18	0.43
1:I:1:MET:CE	1:I:65:LEU:CD1	2.95	0.43
1:I:88:LEU:N	1:I:88:LEU:CD2	2.80	0.43
1:I:256:PHE:HD2	1:I:262:ILE:CG1	2.25	0.43
1:I:358:ASN:HD21	1:I:358:ASN:HA	1.48	0.43
1:I:361:GLU:CG	1:I:365:TYR:CD1	2.95	0.43
1:I:386:LEU:HG	1:I:420:ILE:HG12	2.00	0.43
1:I:463:LEU:N	1:I:463:LEU:CD1	2.81	0.43
1:I:497:LEU:HD23	1:I:497:LEU:HA	1.61	0.43
1:J:372:LEU:HD23	1:J:372:LEU:C	2.38	0.43
1:J:458:LEU:CD1	1:J:580:GLN:HE21	2.31	0.43
1:K:2:ASP:H	1:K:70:GLU:HG3	1.77	0.43
1:K:35:MET:HE1	1:K:61:LEU:HD22	1.99	0.43
1:K:48:ILE:HG23	1:K:57:GLY:O	2.19	0.43
1:K:322:ARG:HB2	1:K:322:ARG:HH11	1.82	0.43
1:K:372:LEU:HD23	1:K:372:LEU:C	2.38	0.43
1:K:381:ILE:CG2	1:K:466:TYR:CE2	3.01	0.43
1:L:5:THR:HG21	1:L:73:VAL:CB	2.47	0.43
1:L:170:VAL:CG2	1:L:171:GLN:N	2.81	0.43
1:L:187:ASN:ND2	1:L:187:ASN:H	2.16	0.43
1:L:487:PHE:HE2	1:L:523:PHE:HB3	1.83	0.43
1:L:629:UNK:N	1:L:644:UNK:CB	2.81	0.43
1:M:535:TYR:O	1:M:539:VAL:HG12	2.19	0.43
1:M:538:LEU:CD1	1:M:572:ALA:CB	2.93	0.43
1:N:256:PHE:CD1	1:N:256:PHE:C	2.91	0.43
1:N:301:LEU:CD1	1:N:305:LEU:CD1	2.95	0.43
1:N:390:TRP:HD1	1:N:398:VAL:CB	2.30	0.43
1:N:458:LEU:CD1	1:N:580:GLN:HE21	2.31	0.43
1:O:139:LEU:CD2	1:O:174:MET:SD	3.06	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:192:VAL:CG1	1:O:251:LYS:CD	2.94	0.43
1:O:300:LEU:HD12	1:O:300:LEU:C	2.39	0.43
1:P:7:GLU:HG2	1:P:107:ILE:CD1	2.48	0.43
1:P:7:GLU:HG2	1:P:107:ILE:HD13	1.94	0.43
1:P:186:CYS:CB	1:P:249:ASN:HB3	2.44	0.43
1:P:206:ASN:HB3	1:P:207:TRP:H	1.41	0.43
1:P:240:CYS:SG	1:P:242:LEU:HD21	2.58	0.43
1:P:327:ILE:HG22	1:P:331:ILE:CD1	2.44	0.43
1:P:379:ALA:CB	1:P:470:HIS:CE1	3.00	0.43
1:P:463:LEU:N	1:P:463:LEU:CD1	2.81	0.43
1:P:558:TYR:HE2	1:P:1035:UNK:CB	2.31	0.43
1:A:382:PRO:HA	1:A:419:THR:HA	2.00	0.43
1:A:415:PRO:HD2	1:A:419:THR:O	2.18	0.43
1:A:559:THR:O	1:A:1037:UNK:HA	2.19	0.43
1:B:7:GLU:HG2	1:B:107:ILE:CD1	2.48	0.43
1:B:48:ILE:HG23	1:B:57:GLY:O	2.19	0.43
1:B:56:SER:CA	1:B:128:LEU:HD22	2.48	0.43
1:B:240:CYS:SG	1:B:242:LEU:HD21	2.58	0.43
1:B:381:ILE:HD13	1:B:381:ILE:HG21	1.61	0.43
1:B:410:LEU:HA	1:B:423:PRO:CB	2.48	0.43
1:B:487:PHE:HE2	1:B:523:PHE:HB3	1.83	0.43
1:B:629:UNK:N	1:B:644:UNK:CB	2.81	0.43
1:C:100:SER:CB	1:C:102:MET:SD	3.07	0.43
1:C:105:MET:HE1	1:C:106:TYR:CE1	2.54	0.43
1:C:196:LEU:CD2	1:C:224:ILE:CG2	2.94	0.43
1:C:240:CYS:SG	1:C:242:LEU:HD21	2.58	0.43
1:C:262:ILE:CG2	1:C:264:LEU:CG	2.95	0.43
1:C:510:ALA:CB	1:C:647:UNK:C	2.96	0.43
1:D:123:TYR:CG	1:D:303:LYS:CB	2.95	0.43
1:D:123:TYR:CD2	1:D:303:LYS:HG2	2.52	0.43
1:D:142:ARG:O	1:D:261:LYS:HD2	2.19	0.43
1:D:203:ILE:CG2	1:D:204:ASP:N	2.82	0.43
1:D:362:PRO:CA	1:D:366:ARG:HB3	2.47	0.43
1:D:372:LEU:HD23	1:D:372:LEU:C	2.38	0.43
1:D:381:ILE:CG2	1:D:466:TYR:CE2	3.01	0.43
1:D:558:TYR:HE2	1:D:1035:UNK:CB	2.31	0.43
1:E:100:SER:CB	1:E:102:MET:SD	3.07	0.43
1:E:127:ARG:CG	1:E:292:LEU:CD1	2.94	0.43
1:E:150:ASP:CA	1:E:266:THR:O	2.66	0.43
1:E:629:UNK:N	1:E:644:UNK:CB	2.81	0.43
1:E:1172:UNK:CB	1:E:1191:UNK:CB	2.96	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:7:GLU:HG2	1:F:107:ILE:HD13	1.94	0.43
1:F:7:GLU:CG	1:F:107:ILE:CD1	2.93	0.43
1:F:68:LYS:CB	1:F:72:MET:HB2	2.47	0.43
1:F:192:VAL:CG1	1:F:251:LYS:CD	2.94	0.43
1:F:262:ILE:CG2	1:F:263:LEU:N	2.81	0.43
1:F:288:HIS:CG	1:F:289:SER:N	2.85	0.43
1:F:525:LYS:HB3	1:F:526:PRO:HD3	1.98	0.43
1:F:535:TYR:O	1:F:539:VAL:HG12	2.19	0.43
1:F:558:TYR:HE2	1:F:1035:UNK:CB	2.31	0.43
1:G:19:PHE:HB2	1:G:88:LEU:HD11	1.98	0.43
1:G:123:TYR:CG	1:G:303:LYS:CB	2.95	0.43
1:G:415:PRO:HD2	1:G:419:THR:O	2.18	0.43
1:G:416:LYS:CG	1:G:417:GLU:H	2.21	0.43
1:G:463:LEU:N	1:G:463:LEU:CD1	2.81	0.43
1:H:179:PHE:CZ	1:H:237:TYR:CE1	3.06	0.43
1:H:253:TRP:CE2	1:H:271:VAL:HG11	2.53	0.43
1:H:256:PHE:CD1	1:H:256:PHE:C	2.91	0.43
1:H:458:LEU:CD1	1:H:580:GLN:HE21	2.31	0.43
1:H:515:LEU:CD1	1:H:519:GLN:CB	2.95	0.43
1:H:536:GLU:HA	1:H:539:VAL:CG1	2.48	0.43
1:I:48:ILE:HG23	1:I:57:GLY:O	2.19	0.43
1:I:91:PRO:HA	1:I:94:THR:HG22	2.00	0.43
1:I:100:SER:CB	1:I:102:MET:SD	3.07	0.43
1:I:150:ASP:CA	1:I:266:THR:O	2.66	0.43
1:I:262:ILE:CG2	1:I:264:LEU:CD1	2.94	0.43
1:I:1020:UNK:CB	1:I:1022:UNK:N	2.82	0.43
1:I:1172:UNK:CB	1:I:1191:UNK:CB	2.96	0.43
1:J:139:LEU:CD2	1:J:174:MET:SD	3.06	0.43
1:J:142:ARG:O	1:J:261:LYS:HD2	2.19	0.43
1:J:203:ILE:CG2	1:J:204:ASP:N	2.82	0.43
1:J:322:ARG:HB2	1:J:322:ARG:HH11	1.82	0.43
1:J:362:PRO:CA	1:J:366:ARG:HB3	2.47	0.43
1:J:381:ILE:CG2	1:J:466:TYR:CE2	3.01	0.43
1:J:509:ASN:CA	1:J:648:UNK:N	2.74	0.43
1:J:558:TYR:HE2	1:J:1035:UNK:CB	2.31	0.43
1:J:576:GLU:HG3	1:J:580:GLN:NE2	2.32	0.43
1:K:7:GLU:HG2	1:K:107:ILE:CD1	2.48	0.43
1:K:100:SER:CB	1:K:102:MET:SD	3.07	0.43
1:K:105:MET:HE1	1:K:106:TYR:CE1	2.54	0.43
1:K:129:GLN:HB2	1:K:130:PRO:CD	2.44	0.43
1:K:148:LEU:CD2	1:K:282:HIS:HE1	2.17	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:240:CYS:SG	1:K:242:LEU:HD21	2.58	0.43
1:K:262:ILE:CG2	1:K:264:LEU:CG	2.95	0.43
1:K:384:ILE:CG2	1:K:463:LEU:HD22	2.39	0.43
1:K:402:VAL:CG2	1:K:403:ASN:N	2.81	0.43
1:K:525:LYS:HB3	1:K:526:PRO:HD3	1.98	0.43
1:K:558:TYR:HE2	1:K:1035:UNK:CB	2.31	0.43
1:L:48:ILE:HG23	1:L:57:GLY:O	2.19	0.43
1:L:56:SER:CA	1:L:128:LEU:HD22	2.48	0.43
1:L:240:CYS:SG	1:L:242:LEU:HD21	2.58	0.43
1:L:256:PHE:CD1	1:L:256:PHE:C	2.91	0.43
1:L:558:TYR:HE2	1:L:1035:UNK:CB	2.31	0.43
1:M:124:ASN:HB3	3:M:1402:DTP:N6	2.29	0.43
1:M:256:PHE:C	1:M:256:PHE:CD1	2.91	0.43
1:M:386:LEU:HG	1:M:420:ILE:HG12	2.00	0.43
1:M:558:TYR:CE2	1:M:1035:UNK:CB	3.01	0.43
1:M:559:THR:O	1:M:1037:UNK:HA	2.19	0.43
1:N:122:LYS:CG	1:N:304:TYR:CD2	3.01	0.43
1:N:262:ILE:CG2	1:N:264:LEU:CD1	2.94	0.43
1:N:372:LEU:HD11	1:N:427:LEU:HD13	1.98	0.43
1:N:381:ILE:CG2	1:N:466:TYR:CE2	3.01	0.43
1:N:384:ILE:CG2	1:N:385:LEU:N	2.82	0.43
1:N:415:PRO:HD2	1:N:419:THR:O	2.18	0.43
1:N:536:GLU:HA	1:N:539:VAL:CG1	2.48	0.43
1:O:221:ILE:HD13	1:O:221:ILE:H	1.82	0.43
1:O:508:TRP:C	1:O:648:UNK:CB	2.87	0.43
1:O:535:TYR:O	1:O:539:VAL:HG12	2.19	0.43
1:O:558:TYR:CE2	1:O:1035:UNK:CB	3.01	0.43
1:P:221:ILE:HD13	1:P:221:ILE:H	1.82	0.43
1:P:415:PRO:HD2	1:P:419:THR:O	2.18	0.43
1:P:525:LYS:HB3	1:P:526:PRO:HD3	1.98	0.43
1:P:542:ILE:HD12	1:P:543:LEU:HA	2.00	0.43
1:A:124:ASN:HB3	3:A:1402:DTP:N6	2.29	0.43
1:A:170:VAL:CG2	1:A:171:GLN:N	2.81	0.43
1:A:200:LEU:CD1	1:A:208:THR:CG2	2.95	0.43
1:A:386:LEU:HG	1:A:420:ILE:HG12	2.00	0.43
1:A:458:LEU:CD1	1:A:580:GLN:HE21	2.31	0.43
1:A:476:LYS:CB	1:A:527:TYR:CD1	2.93	0.43
1:B:113:LEU:CB	1:B:166:LEU:CD1	2.93	0.43
1:B:142:ARG:CB	1:B:143:PRO:HD3	2.39	0.43
1:B:157:LYS:HE3	1:B:265:THR:HB	1.99	0.43
1:B:558:TYR:HE2	1:B:1035:UNK:CB	2.31	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:TYR:CE1	1:C:166:LEU:O	2.72	0.43
1:C:39:ILE:HD12	1:C:39:ILE:HA	1.70	0.43
1:C:242:LEU:CD1	1:C:260:CYS:SG	3.07	0.43
1:C:322:ARG:HB2	1:C:322:ARG:HH11	1.82	0.43
1:C:508:TRP:C	1:C:648:UNK:CB	2.87	0.43
1:C:542:ILE:HD12	1:C:543:LEU:HA	2.00	0.43
1:C:558:TYR:HE2	1:C:1035:UNK:CB	2.31	0.43
1:D:48:ILE:HG23	1:D:57:GLY:O	2.19	0.43
1:D:139:LEU:CD2	1:D:174:MET:SD	3.06	0.43
1:D:150:ASP:CA	1:D:266:THR:O	2.66	0.43
1:D:268:PHE:CZ	1:D:270:GLN:HG2	2.53	0.43
1:D:437:TYR:CE1	1:D:439:LEU:HB2	2.54	0.43
1:E:1:MET:CE	1:E:65:LEU:CD1	2.95	0.43
1:E:10:TYR:CE1	1:E:166:LEU:O	2.72	0.43
1:E:129:GLN:HB2	1:E:130:PRO:CD	2.44	0.43
1:E:240:CYS:SG	1:E:242:LEU:HD21	2.58	0.43
1:E:253:TRP:HE3	1:E:275:LEU:CB	2.31	0.43
1:E:268:PHE:CZ	1:E:270:GLN:HG2	2.53	0.43
1:E:361:GLU:CG	1:E:365:TYR:CD1	2.95	0.43
1:E:362:PRO:CA	1:E:366:ARG:HB3	2.47	0.43
1:E:559:THR:O	1:E:1037:UNK:HA	2.19	0.43
1:E:1020:UNK:CB	1:E:1022:UNK:N	2.82	0.43
3:E:1402:DTP:H2'2	3:E:1402:DTP:H5'2	1.46	0.43
1:F:56:SER:CA	1:F:128:LEU:HD22	2.48	0.43
1:F:91:PRO:HA	1:F:94:THR:HG22	2.00	0.43
1:F:122:LYS:CG	1:F:304:TYR:CD2	3.01	0.43
1:F:132:LEU:CD1	1:F:135:ARG:CZ	2.97	0.43
1:F:221:ILE:HD13	1:F:221:ILE:H	1.82	0.43
1:F:253:TRP:CE2	1:F:271:VAL:HG11	2.53	0.43
1:F:362:PRO:CA	1:F:366:ARG:HB3	2.47	0.43
1:F:536:GLU:HA	1:F:539:VAL:CG1	2.48	0.43
1:G:182:ASN:OD1	1:G:246:ASN:HB3	2.19	0.43
1:G:192:VAL:CG1	1:G:251:LYS:CD	2.94	0.43
1:G:253:TRP:CE2	1:G:271:VAL:HG11	2.53	0.43
1:G:322:ARG:NH2	1:G:326:ILE:HB	2.33	0.43
1:G:353:ILE:CD1	1:G:426:TYR:HE2	2.13	0.43
1:G:437:TYR:CE1	1:G:439:LEU:HB2	2.54	0.43
1:G:492:LEU:HD22	1:G:492:LEU:C	2.37	0.43
1:G:558:TYR:CE2	1:G:1035:UNK:CB	3.01	0.43
1:H:24:VAL:CG2	1:H:27:PHE:CE2	2.94	0.43
1:H:122:LYS:CG	1:H:304:TYR:CD2	3.01	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:262:ILE:CG2	1:H:263:LEU:N	2.81	0.43
1:H:301:LEU:CD1	1:H:305:LEU:CD1	2.95	0.43
1:H:353:ILE:HG21	1:H:430:LYS:CD	2.46	0.43
1:H:381:ILE:CG2	1:H:466:TYR:CE2	3.01	0.43
1:H:384:ILE:CG2	1:H:385:LEU:N	2.82	0.43
1:H:386:LEU:HG	1:H:420:ILE:HG12	2.00	0.43
1:H:559:THR:O	1:H:1037:UNK:HA	2.19	0.43
1:H:629:UNK:N	1:H:644:UNK:CB	2.81	0.43
1:I:10:TYR:CE1	1:I:166:LEU:O	2.72	0.43
1:I:48:ILE:O	1:I:48:ILE:HG22	2.16	0.43
1:I:240:CYS:SG	1:I:242:LEU:HD21	2.58	0.43
1:I:382:PRO:HA	1:I:419:THR:HA	2.00	0.43
1:I:559:THR:O	1:I:1037:UNK:HA	2.19	0.43
1:I:629:UNK:N	1:I:644:UNK:CB	2.81	0.43
1:J:48:ILE:HG23	1:J:57:GLY:O	2.19	0.43
1:J:60:ARG:HD3	1:J:60:ARG:HA	1.89	0.43
1:J:150:ASP:CA	1:J:266:THR:O	2.66	0.43
1:J:268:PHE:CZ	1:J:270:GLN:HG2	2.53	0.43
1:J:386:LEU:HG	1:J:420:ILE:HG12	2.00	0.43
1:J:394:ILE:O	1:J:395:LYS:HB2	2.18	0.43
1:J:437:TYR:CE1	1:J:439:LEU:HB2	2.54	0.43
1:K:7:GLU:HG3	1:K:110:ARG:HH21	1.82	0.43
1:K:10:TYR:CE1	1:K:166:LEU:O	2.72	0.43
1:K:148:LEU:HD22	1:K:148:LEU:HA	1.63	0.43
1:K:178:ILE:HG13	1:K:241:LEU:HD23	2.01	0.43
1:K:246:ASN:H	1:K:265:THR:HG1	1.66	0.43
1:K:253:TRP:CE2	1:K:271:VAL:HG11	2.53	0.43
1:K:508:TRP:C	1:K:648:UNK:CB	2.87	0.43
1:K:510:ALA:CB	1:K:647:UNK:C	2.96	0.43
1:L:7:GLU:HG2	1:L:107:ILE:CD1	2.48	0.43
1:L:119:VAL:CG2	1:M:277:ALA:C	2.83	0.43
1:L:157:LYS:HE3	1:L:265:THR:HB	1.99	0.43
1:L:203:ILE:CG2	1:L:204:ASP:N	2.82	0.43
1:L:228:LEU:CD2	1:L:232:LEU:CD1	2.94	0.43
1:L:410:LEU:HA	1:L:423:PRO:CB	2.48	0.43
1:M:312:LEU:O	1:M:316:VAL:HG13	2.18	0.43
1:M:410:LEU:CB	1:M:423:PRO:HB2	2.47	0.43
1:M:415:PRO:HD2	1:M:419:THR:O	2.18	0.43
1:M:458:LEU:CD1	1:M:580:GLN:HE21	2.31	0.43
1:N:179:PHE:CZ	1:N:237:TYR:CE1	3.06	0.43
1:N:253:TRP:CE2	1:N:271:VAL:HG11	2.53	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:515:LEU:CD1	1:N:519:GLN:CB	2.95	0.43
1:N:559:THR:O	1:N:1037:UNK:HA	2.19	0.43
1:N:629:UNK:N	1:N:644:UNK:CB	2.81	0.43
1:O:353:ILE:CD1	1:O:426:TYR:HE2	2.13	0.43
1:O:415:PRO:HD2	1:O:419:THR:O	2.18	0.43
1:O:437:TYR:CE1	1:O:439:LEU:HB2	2.54	0.43
1:O:488:ARG:HD2	1:O:494:PHE:CA	2.47	0.43
1:P:56:SER:CA	1:P:128:LEU:HD22	2.48	0.43
1:P:60:ARG:HD3	1:P:60:ARG:HA	1.89	0.43
1:P:91:PRO:HA	1:P:94:THR:HG22	2.00	0.43
1:P:132:LEU:CD1	1:P:135:ARG:CZ	2.97	0.43
1:P:262:ILE:CG2	1:P:263:LEU:N	2.81	0.43
1:P:362:PRO:CA	1:P:366:ARG:HB3	2.47	0.43
1:P:535:TYR:O	1:P:539:VAL:HG12	2.19	0.43
1:P:536:GLU:HA	1:P:539:VAL:CG1	2.48	0.43
1:A:312:LEU:O	1:A:316:VAL:HG13	2.18	0.43
1:A:360:LEU:HD12	1:A:360:LEU:N	2.34	0.43
1:A:391:PHE:CD1	1:A:398:VAL:CG1	2.93	0.43
1:A:410:LEU:CB	1:A:423:PRO:HB2	2.47	0.43
1:B:203:ILE:CG2	1:B:204:ASP:N	2.82	0.43
1:B:360:LEU:HD12	1:B:360:LEU:N	2.34	0.43
1:B:450:PRO:CG	1:B:471:ILE:HD13	2.49	0.43
1:B:1020:UNK:CB	1:B:1022:UNK:N	2.82	0.43
1:C:7:GLU:HG2	1:C:107:ILE:CD1	2.48	0.43
1:C:150:ASP:CA	1:C:266:THR:O	2.66	0.43
1:C:178:ILE:HG13	1:C:241:LEU:HD23	2.01	0.43
1:C:253:TRP:CE2	1:C:271:VAL:HG11	2.53	0.43
1:C:256:PHE:CD1	1:C:256:PHE:C	2.91	0.43
1:C:410:LEU:CB	1:C:423:PRO:HB2	2.47	0.43
1:C:487:PHE:HE2	1:C:523:PHE:HB3	1.83	0.43
1:D:7:GLU:HG2	1:D:107:ILE:CD1	2.48	0.43
1:D:121:ALA:HB1	3:D:1402:DTP:H2	1.96	0.43
1:D:179:PHE:CZ	1:D:237:TYR:CE1	3.06	0.43
1:D:386:LEU:HG	1:D:420:ILE:HG12	2.00	0.43
1:D:394:ILE:O	1:D:395:LYS:HB2	2.18	0.43
1:D:559:THR:O	1:D:1037:UNK:HA	2.19	0.43
1:D:1020:UNK:CB	1:D:1022:UNK:N	2.82	0.43
1:F:60:ARG:HD3	1:F:60:ARG:HA	1.89	0.43
1:F:142:ARG:O	1:F:261:LYS:HD2	2.19	0.43
1:F:182:ASN:OD1	1:F:246:ASN:HB3	2.19	0.43
1:F:186:CYS:CB	1:F:249:ASN:HB3	2.44	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:381:ILE:CG2	1:F:466:TYR:CE2	3.01	0.43
1:F:559:THR:O	1:F:1037:UNK:HA	2.19	0.43
1:F:1172:UNK:CB	1:F:1191:UNK:CB	2.96	0.43
1:G:121:ALA:HB1	3:G:1402:DTP:H2	1.96	0.43
1:G:242:LEU:CD1	1:G:260:CYS:SG	3.07	0.43
1:G:249:ASN:O	1:G:253:TRP:HD1	2.01	0.43
1:G:256:PHE:CD1	1:G:256:PHE:C	2.91	0.43
1:G:480:HIS:N	1:G:481:PRO:HD2	2.34	0.43
1:G:508:TRP:C	1:G:648:UNK:CB	2.87	0.43
1:G:535:TYR:O	1:G:539:VAL:HG12	2.19	0.43
1:G:629:UNK:N	1:G:644:UNK:CB	2.81	0.43
1:H:10:TYR:CE1	1:H:166:LEU:O	2.72	0.43
1:H:113:LEU:CB	1:H:166:LEU:CD1	2.93	0.43
1:H:120:PHE:CE1	1:H:122:LYS:CD	2.95	0.43
1:H:372:LEU:HD11	1:H:427:LEU:HD13	1.98	0.43
1:I:35:MET:N	1:I:36:PRO:HD2	2.32	0.43
1:I:244:LEU:CD2	1:I:262:ILE:CD1	2.94	0.43
1:I:253:TRP:HE3	1:I:275:LEU:CB	2.31	0.43
1:I:268:PHE:CZ	1:I:270:GLN:HG2	2.53	0.43
1:I:362:PRO:CA	1:I:366:ARG:HB3	2.47	0.43
1:I:510:ALA:CB	1:I:647:UNK:C	2.96	0.43
1:J:124:ASN:HB3	3:J:1402:DTP:N6	2.29	0.43
1:J:179:PHE:CZ	1:J:237:TYR:CE1	3.06	0.43
1:J:235:LYS:HB2	1:J:237:TYR:HE2	1.78	0.43
1:J:327:ILE:HG22	1:J:331:ILE:CD1	2.44	0.43
1:J:559:THR:O	1:J:1037:UNK:HA	2.19	0.43
1:J:629:UNK:N	1:J:644:UNK:CB	2.81	0.43
1:J:1020:UNK:CB	1:J:1022:UNK:N	2.82	0.43
1:K:1:MET:CE	1:K:65:LEU:CD1	2.94	0.43
1:K:150:ASP:CA	1:K:266:THR:O	2.66	0.43
1:K:196:LEU:CD2	1:K:224:ILE:CG2	2.94	0.43
1:K:242:LEU:CD1	1:K:260:CYS:SG	3.07	0.43
1:K:368:MET:CB	1:K:390:TRP:CE2	2.93	0.43
1:L:68:LYS:CB	1:L:72:MET:HB2	2.47	0.43
1:L:360:LEU:HD12	1:L:360:LEU:N	2.34	0.43
1:L:450:PRO:CG	1:L:471:ILE:HD13	2.49	0.43
1:L:1020:UNK:CB	1:L:1022:UNK:N	2.82	0.43
1:M:170:VAL:CG2	1:M:171:GLN:N	2.81	0.43
1:M:200:LEU:CD1	1:M:208:THR:CG2	2.95	0.43
1:M:221:ILE:CG1	1:M:222:HIS:N	2.82	0.43
1:M:360:LEU:HD12	1:M:360:LEU:N	2.34	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:32:VAL:CG1	1:N:45:ILE:HG21	2.47	0.43
1:N:113:LEU:CB	1:N:166:LEU:CD1	2.93	0.43
1:N:120:PHE:CE1	1:N:122:LYS:CD	2.95	0.43
1:N:216:ASN:HD21	1:N:216:ASN:N	2.09	0.43
1:N:268:PHE:HD1	1:N:268:PHE:HA	1.62	0.43
1:N:386:LEU:HG	1:N:420:ILE:HG12	2.00	0.43
1:N:394:ILE:O	1:N:395:LYS:HB2	2.18	0.43
1:N:480:HIS:N	1:N:481:PRO:HD2	2.34	0.43
1:N:1068:UNK:HA	1:N:1072:UNK:HA	2.00	0.43
1:O:11:GLN:HE21	1:O:106:TYR:HE2	1.60	0.43
1:O:19:PHE:HB2	1:O:88:LEU:HD11	1.98	0.43
1:O:182:ASN:OD1	1:O:246:ASN:HB3	2.19	0.43
1:O:244:LEU:CD2	1:O:262:ILE:CD1	2.94	0.43
1:O:253:TRP:CE2	1:O:271:VAL:HG11	2.53	0.43
1:O:256:PHE:CD1	1:O:256:PHE:C	2.91	0.43
1:O:463:LEU:N	1:O:463:LEU:CD1	2.81	0.43
1:O:591:UNK:CB	1:O:1321:UNK:CA	2.94	0.43
1:O:629:UNK:N	1:O:644:UNK:CB	2.81	0.43
1:P:122:LYS:CG	1:P:304:TYR:CD2	3.01	0.43
1:P:142:ARG:O	1:P:261:LYS:HD2	2.19	0.43
1:P:150:ASP:CA	1:P:266:THR:O	2.66	0.43
1:P:182:ASN:OD1	1:P:246:ASN:HB3	2.19	0.43
1:P:253:TRP:CE2	1:P:271:VAL:HG11	2.53	0.43
1:P:312:LEU:O	1:P:316:VAL:HG13	2.18	0.43
1:P:1172:UNK:CB	1:P:1191:UNK:CB	2.96	0.43
1:A:48:ILE:HG23	1:A:57:GLY:O	2.19	0.43
1:A:221:ILE:CG1	1:A:222:HIS:N	2.82	0.43
1:A:242:LEU:CD1	1:A:260:CYS:SG	3.07	0.43
1:A:262:ILE:HG22	1:A:264:LEU:HD11	1.99	0.43
1:A:322:ARG:NH2	1:A:326:ILE:HB	2.33	0.43
1:A:450:PRO:CG	1:A:471:ILE:HD13	2.49	0.43
1:A:542:ILE:HD12	1:A:543:LEU:HA	2.00	0.43
1:B:228:LEU:CD2	1:B:232:LEU:CD1	2.94	0.43
1:B:242:LEU:CD1	1:B:260:CYS:SG	3.07	0.43
1:B:381:ILE:CG2	1:B:466:TYR:CE2	3.01	0.43
1:B:558:TYR:CE2	1:B:1035:UNK:CB	3.01	0.43
1:B:559:THR:O	1:B:1037:UNK:HA	2.19	0.43
1:C:139:LEU:HD21	1:C:174:MET:SD	2.58	0.43
1:C:142:ARG:O	1:C:261:LYS:HD2	2.19	0.43
1:C:262:ILE:HG22	1:C:264:LEU:HD11	1.99	0.43
1:C:297:VAL:HG13	1:C:300:LEU:CD2	2.47	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:450:PRO:CG	1:C:471:ILE:HD13	2.49	0.43
1:D:35:MET:N	1:D:36:PRO:HD2	2.32	0.43
1:D:132:LEU:CD1	1:D:135:ARG:CZ	2.97	0.43
1:D:558:TYR:CE2	1:D:1035:UNK:CB	3.01	0.43
1:D:629:UNK:N	1:D:644:UNK:CB	2.81	0.43
1:E:125:VAL:CG2	1:E:296:GLU:HG3	2.44	0.43
1:E:200:LEU:CD1	1:E:208:THR:CG2	2.95	0.43
1:E:262:ILE:CG2	1:E:264:LEU:CD1	2.94	0.43
1:E:314:ARG:NE	1:E:341:TRP:CH2	2.86	0.43
1:E:382:PRO:HA	1:E:419:THR:HA	2.00	0.43
1:E:510:ALA:CB	1:E:647:UNK:C	2.96	0.43
1:E:1161:UNK:C	1:E:1163:UNK:N	2.82	0.43
1:F:150:ASP:CA	1:F:266:THR:O	2.66	0.43
1:F:312:LEU:O	1:F:316:VAL:HG13	2.18	0.43
1:G:20:GLU:CG	1:G:85:TYR:CE2	2.93	0.43
1:G:35:MET:N	1:G:36:PRO:HD2	2.32	0.43
1:G:390:TRP:CD2	1:G:402:VAL:HG12	2.54	0.43
1:G:591:UNK:CB	1:G:1321:UNK:CA	2.94	0.43
1:H:132:LEU:CD1	1:H:135:ARG:CZ	2.97	0.43
1:H:139:LEU:CD2	1:H:174:MET:SD	3.06	0.43
1:H:182:ASN:OD1	1:H:246:ASN:HB3	2.19	0.43
1:H:360:LEU:HD12	1:H:360:LEU:N	2.34	0.43
1:H:382:PRO:HA	1:H:419:THR:HA	2.00	0.43
1:H:480:HIS:N	1:H:481:PRO:HD2	2.34	0.43
1:H:510:ALA:CB	1:H:647:UNK:C	2.96	0.43
1:H:1068:UNK:HA	1:H:1072:UNK:HA	2.00	0.43
1:I:129:GLN:HB2	1:I:130:PRO:CD	2.44	0.43
1:I:148:LEU:HD22	1:I:148:LEU:HA	1.63	0.43
1:I:192:VAL:CG1	1:I:251:LYS:CD	2.94	0.43
1:I:200:LEU:CD1	1:I:208:THR:CG2	2.95	0.43
1:I:1161:UNK:C	1:I:1163:UNK:N	2.82	0.43
1:J:7:GLU:HG2	1:J:107:ILE:CD1	2.48	0.43
1:J:12:TYR:CZ	1:J:15:ILE:CD1	2.93	0.43
1:J:132:LEU:CD1	1:J:135:ARG:CZ	2.97	0.43
1:J:268:PHE:HD1	1:J:268:PHE:HA	1.62	0.43
1:J:527:TYR:HD1	1:J:527:TYR:HA	1.68	0.43
1:J:558:TYR:CE2	1:J:1035:UNK:CB	3.01	0.43
1:K:139:LEU:HD21	1:K:174:MET:SD	2.58	0.43
1:K:193:LEU:HD23	1:K:193:LEU:HA	1.78	0.43
1:K:256:PHE:CD1	1:K:256:PHE:C	2.91	0.43
1:K:297:VAL:HG13	1:K:300:LEU:CD2	2.47	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:369:PHE:HZ	1:K:427:LEU:HD21	1.80	0.43
1:K:450:PRO:CG	1:K:471:ILE:HD13	2.49	0.43
1:K:487:PHE:HE2	1:K:523:PHE:HB3	1.83	0.43
1:K:515:LEU:CD1	1:K:519:GLN:CB	2.95	0.43
1:K:542:ILE:HD12	1:K:543:LEU:HA	2.00	0.43
1:L:113:LEU:CB	1:L:166:LEU:CD1	2.93	0.43
1:L:142:ARG:O	1:L:261:LYS:HD2	2.19	0.43
1:L:148:LEU:HD21	1:L:264:LEU:HD13	1.99	0.43
1:L:242:LEU:CD1	1:L:260:CYS:SG	3.07	0.43
1:L:381:ILE:CG2	1:L:466:TYR:CE2	3.01	0.43
1:L:384:ILE:CG2	1:L:385:LEU:N	2.82	0.43
1:L:508:TRP:C	1:L:648:UNK:CB	2.87	0.43
1:L:558:TYR:CE2	1:L:1035:UNK:CB	3.01	0.43
1:L:559:THR:O	1:L:1037:UNK:HA	2.19	0.43
1:M:450:PRO:CG	1:M:471:ILE:HD13	2.49	0.43
1:M:476:LYS:CB	1:M:527:TYR:CD1	2.93	0.43
1:M:527:TYR:HD1	1:M:527:TYR:HA	1.68	0.43
1:M:542:ILE:HD12	1:M:543:LEU:HA	2.00	0.43
1:N:10:TYR:CE1	1:N:166:LEU:O	2.72	0.43
1:N:127:ARG:CG	1:N:292:LEU:CD1	2.94	0.43
1:N:132:LEU:CD1	1:N:135:ARG:CZ	2.97	0.43
1:N:139:LEU:CD2	1:N:174:MET:SD	3.06	0.43
1:N:192:VAL:CG1	1:N:251:LYS:CD	2.94	0.43
1:N:262:ILE:CG2	1:N:263:LEU:N	2.81	0.43
1:N:368:MET:CB	1:N:390:TRP:CE2	2.94	0.43
1:O:35:MET:N	1:O:36:PRO:HD2	2.32	0.43
1:O:170:VAL:CG2	1:O:171:GLN:N	2.81	0.43
1:O:242:LEU:CD1	1:O:260:CYS:SG	3.07	0.43
1:O:249:ASN:O	1:O:253:TRP:HD1	2.01	0.43
1:O:268:PHE:CD2	1:O:271:VAL:N	2.84	0.43
1:O:322:ARG:NH2	1:O:326:ILE:HB	2.33	0.43
1:O:390:TRP:CD2	1:O:402:VAL:HG12	2.54	0.43
1:O:480:HIS:N	1:O:481:PRO:HD2	2.34	0.43
1:O:492:LEU:HD22	1:O:492:LEU:C	2.37	0.43
1:P:28:ASP:OD1	1:P:35:MET:HE1	2.19	0.43
1:P:381:ILE:CG2	1:P:466:TYR:CE2	3.01	0.43
1:P:559:THR:O	1:P:1037:UNK:HA	2.19	0.43
1:A:24:VAL:CA	1:A:27:PHE:CE2	2.94	0.43
1:A:100:SER:CB	1:A:102:MET:SD	3.07	0.43
1:A:142:ARG:O	1:A:261:LYS:HD2	2.19	0.43
1:A:149:ILE:HG21	1:A:149:ILE:HD13	1.40	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:157:LYS:HD3	3:A:1402:DTP:O2B	2.17	0.43
1:B:68:LYS:CB	1:B:72:MET:HB2	2.47	0.43
1:B:142:ARG:O	1:B:261:LYS:HD2	2.19	0.43
1:B:384:ILE:CG2	1:B:385:LEU:N	2.82	0.43
1:B:508:TRP:C	1:B:648:UNK:CB	2.87	0.43
1:B:542:ILE:HD12	1:B:543:LEU:HA	2.00	0.43
1:C:2:ASP:H	1:C:70:GLU:HG3	1.77	0.43
1:C:170:VAL:CG2	1:C:171:GLN:N	2.81	0.43
1:C:193:LEU:HD23	1:C:193:LEU:HA	1.78	0.43
1:C:249:ASN:O	1:C:253:TRP:HD1	2.01	0.43
1:C:360:LEU:HD12	1:C:360:LEU:N	2.34	0.43
1:C:386:LEU:HG	1:C:420:ILE:HG12	2.00	0.43
1:C:471:ILE:HG23	1:C:472:GLY:H	1.84	0.43
1:C:1172:UNK:CB	1:C:1191:UNK:CB	2.96	0.43
1:D:60:ARG:HD3	1:D:60:ARG:HA	1.89	0.43
1:D:80:VAL:CG1	1:D:81:LEU:N	2.82	0.43
1:D:124:ASN:HB3	3:D:1402:DTP:N6	2.29	0.43
1:D:242:LEU:CD1	1:D:260:CYS:SG	3.07	0.43
1:D:297:VAL:HG13	1:D:300:LEU:CD2	2.47	0.43
1:E:7:GLU:HG2	1:E:107:ILE:CD1	2.48	0.43
1:E:35:MET:N	1:E:36:PRO:HD2	2.32	0.43
1:E:48:ILE:O	1:E:48:ILE:HG22	2.16	0.43
1:E:244:LEU:CD2	1:E:262:ILE:CD1	2.94	0.43
1:F:10:TYR:CE1	1:F:166:LEU:O	2.72	0.43
1:F:123:TYR:CD2	1:F:303:LYS:HG2	2.52	0.43
1:F:157:LYS:HE3	1:F:265:THR:HB	1.99	0.43
1:F:242:LEU:CD1	1:F:260:CYS:SG	3.07	0.43
1:F:290:MET:HG3	1:F:291:THR:N	2.34	0.43
1:F:369:PHE:HZ	1:F:427:LEU:CD2	2.31	0.43
1:F:557:LYS:N	1:F:597:UNK:CB	2.81	0.43
1:F:558:TYR:CE2	1:F:1035:UNK:CB	3.01	0.43
1:F:1020:UNK:CB	1:F:1022:UNK:N	2.82	0.43
1:G:164:VAL:HG13	1:G:165:CYS:N	2.34	0.43
1:G:170:VAL:CG2	1:G:171:GLN:N	2.81	0.43
1:G:244:LEU:CD2	1:G:262:ILE:CD1	2.94	0.43
1:G:268:PHE:CD2	1:G:271:VAL:N	2.84	0.43
1:G:510:ALA:CB	1:G:645:UNK:O	2.64	0.43
1:H:56:SER:CA	1:H:128:LEU:HD22	2.48	0.43
1:H:242:LEU:CD1	1:H:260:CYS:SG	3.07	0.43
1:H:244:LEU:CD2	1:H:262:ILE:CD1	2.94	0.43
1:H:259:SER:HB3	1:H:260:CYS:H	1.49	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:368:MET:CB	1:H:390:TRP:CE2	2.94	0.43
1:H:394:ILE:O	1:H:395:LYS:HB2	2.18	0.43
1:I:178:ILE:HG13	1:I:241:LEU:HD23	2.01	0.43
1:I:314:ARG:NE	1:I:341:TRP:CH2	2.86	0.43
1:I:381:ILE:CG2	1:I:466:TYR:CE2	3.01	0.43
1:I:410:LEU:CA	1:I:423:PRO:CB	2.97	0.43
1:I:414:GLN:HA	1:I:415:PRO:HD2	1.78	0.43
1:I:458:LEU:CD1	1:I:580:GLN:HE21	2.31	0.43
1:J:35:MET:N	1:J:36:PRO:HD2	2.32	0.43
1:J:242:LEU:CD1	1:J:260:CYS:SG	3.07	0.43
1:J:297:VAL:HG13	1:J:300:LEU:CD2	2.47	0.43
1:J:300:LEU:HD12	1:J:300:LEU:C	2.39	0.43
1:K:142:ARG:O	1:K:261:LYS:HD2	2.19	0.43
1:K:170:VAL:CG2	1:K:171:GLN:N	2.81	0.43
1:K:206:ASN:HB3	1:K:207:TRP:H	1.41	0.43
1:K:262:ILE:HG22	1:K:264:LEU:HD11	1.99	0.43
1:K:360:LEU:HD12	1:K:360:LEU:N	2.34	0.43
1:K:437:TYR:CE1	1:K:439:LEU:HB2	2.54	0.43
1:K:471:ILE:HG23	1:K:472:GLY:H	1.84	0.43
1:K:484:MET:HA	1:K:489:MET:HE2	1.97	0.43
1:K:1172:UNK:CB	1:K:1191:UNK:CB	2.96	0.43
1:L:357:LEU:CD2	1:L:366:ARG:CD	2.95	0.43
1:L:372:LEU:HD23	1:L:372:LEU:C	2.38	0.43
1:M:24:VAL:CA	1:M:27:PHE:CE2	2.94	0.43
1:M:48:ILE:HG23	1:M:57:GLY:O	2.19	0.43
1:M:100:SER:CB	1:M:102:MET:SD	3.07	0.43
1:M:127:ARG:CG	1:M:292:LEU:CD1	2.94	0.43
1:M:142:ARG:O	1:M:261:LYS:HD2	2.19	0.43
1:M:157:LYS:HD3	3:M:1402:DTP:O2B	2.17	0.43
1:M:242:LEU:CD1	1:M:260:CYS:SG	3.07	0.43
1:N:182:ASN:OD1	1:N:246:ASN:HB3	2.19	0.43
1:N:242:LEU:CD1	1:N:260:CYS:SG	3.07	0.43
1:N:360:LEU:HD12	1:N:360:LEU:N	2.34	0.43
1:N:510:ALA:CB	1:N:647:UNK:C	2.96	0.43
1:O:100:SER:CB	1:O:102:MET:SD	3.07	0.43
1:O:228:LEU:CD2	1:O:232:LEU:CD1	2.94	0.43
1:O:369:PHE:CE1	1:O:427:LEU:CD1	2.94	0.43
1:O:557:LYS:N	1:O:597:UNK:CB	2.81	0.43
1:P:242:LEU:CD1	1:P:260:CYS:SG	3.07	0.43
1:P:290:MET:HG3	1:P:291:THR:N	2.34	0.43
1:P:495:ARG:HH22	1:P:549:ILE:CD1	2.30	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:557:LYS:N	1:P:597:UNK:CB	2.81	0.43
1:P:558:TYR:CE2	1:P:1035:UNK:CB	3.01	0.43
1:P:1020:UNK:CB	1:P:1022:UNK:N	2.82	0.43
1:A:182:ASN:OD1	1:A:246:ASN:HB3	2.19	0.43
1:A:402:VAL:CG2	1:A:403:ASN:N	2.81	0.43
1:A:536:GLU:HA	1:A:539:VAL:CG1	2.48	0.43
1:A:549:ILE:HG23	1:A:549:ILE:O	2.19	0.43
1:B:148:LEU:HD21	1:B:264:LEU:HD13	1.99	0.43
1:B:357:LEU:CD2	1:B:366:ARG:CD	2.95	0.43
1:B:372:LEU:HD23	1:B:372:LEU:C	2.38	0.43
1:C:326:ILE:CG2	1:C:327:ILE:N	2.82	0.43
1:C:381:ILE:HG21	1:C:381:ILE:HD13	1.60	0.43
1:C:515:LEU:CD1	1:C:519:GLN:CB	2.95	0.43
1:C:558:TYR:CE2	1:C:1035:UNK:CB	3.01	0.43
1:D:100:SER:CB	1:D:102:MET:SD	3.07	0.43
1:D:300:LEU:HD12	1:D:300:LEU:C	2.39	0.43
1:D:369:PHE:HZ	1:D:427:LEU:CD2	2.31	0.43
1:D:410:LEU:CA	1:D:423:PRO:CB	2.97	0.43
1:D:1161:UNK:C	1:D:1163:UNK:N	2.82	0.43
1:E:126:SER:H	1:E:296:GLU:HG3	1.84	0.43
1:E:153:LEU:O	1:E:153:LEU:HD22	2.19	0.43
1:E:178:ILE:HG13	1:E:241:LEU:HD23	2.01	0.43
1:E:192:VAL:CG1	1:E:251:LYS:CD	2.94	0.43
1:E:307:CYS:HB3	1:E:308:ARG:H	1.66	0.43
1:E:322:ARG:NH2	1:E:326:ILE:HB	2.33	0.43
1:E:381:ILE:CG2	1:E:466:TYR:CE2	3.01	0.43
1:E:410:LEU:CA	1:E:423:PRO:CB	2.97	0.43
1:E:437:TYR:CE1	1:E:439:LEU:HB2	2.54	0.43
1:F:30:LYS:HE3	1:F:30:LYS:HB2	1.83	0.43
1:F:120:PHE:CD1	1:F:121:ALA:N	2.81	0.43
1:F:139:LEU:HD21	1:F:174:MET:SD	2.58	0.43
1:F:244:LEU:HB2	1:F:247:VAL:CG2	2.49	0.43
1:F:410:LEU:CA	1:F:423:PRO:CB	2.97	0.43
1:F:480:HIS:N	1:F:481:PRO:HD2	2.34	0.43
1:F:629:UNK:N	1:F:644:UNK:CB	2.81	0.43
1:F:1161:UNK:C	1:F:1163:UNK:N	2.82	0.43
1:G:100:SER:CB	1:G:102:MET:SD	3.07	0.43
1:G:244:LEU:HB2	1:G:247:VAL:CG2	2.49	0.43
1:G:384:ILE:CG2	1:G:385:LEU:N	2.82	0.43
1:G:390:TRP:HD1	1:G:398:VAL:CB	2.30	0.43
1:G:557:LYS:N	1:G:597:UNK:CB	2.81	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:1068:UNK:HA	1:G:1072:UNK:HA	2.00	0.43
1:H:32:VAL:CG1	1:H:45:ILE:HG21	2.47	0.43
1:H:127:ARG:CG	1:H:292:LEU:CD1	2.94	0.43
1:H:192:VAL:CG1	1:H:251:LYS:CD	2.94	0.43
1:H:221:ILE:CG1	1:H:222:HIS:N	2.82	0.43
1:H:508:TRP:C	1:H:648:UNK:CB	2.87	0.43
1:H:1020:UNK:CB	1:H:1022:UNK:N	2.82	0.43
1:I:7:GLU:HG2	1:I:107:ILE:CD1	2.48	0.43
1:I:153:LEU:O	1:I:153:LEU:HD22	2.19	0.43
1:I:207:TRP:CD1	1:I:207:TRP:N	2.83	0.43
1:I:320:ASN:HA	1:I:321:PRO:HD3	1.71	0.43
1:J:80:VAL:CG1	1:J:81:LEU:N	2.82	0.43
1:J:100:SER:CB	1:J:102:MET:SD	3.07	0.43
1:J:120:PHE:CZ	1:J:122:LYS:CD	2.98	0.43
1:J:1172:UNK:CB	1:J:1191:UNK:CB	2.96	0.43
1:K:244:LEU:HB2	1:K:247:VAL:CG2	2.49	0.43
1:K:249:ASN:O	1:K:253:TRP:HD1	2.01	0.43
1:K:386:LEU:HG	1:K:420:ILE:HG12	2.00	0.43
1:K:558:TYR:CE2	1:K:1035:UNK:CB	3.01	0.43
1:L:7:GLU:CG	1:L:107:ILE:CD1	2.93	0.43
1:L:317:LEU:HA	1:L:318:THR:HA	1.73	0.43
1:L:499:GLN:NE2	1:L:554:ILE:HG12	2.30	0.43
1:L:535:TYR:O	1:L:539:VAL:HG12	2.19	0.43
1:L:542:ILE:HD12	1:L:543:LEU:HA	2.00	0.43
1:L:549:ILE:HG23	1:L:549:ILE:O	2.19	0.43
1:L:557:LYS:N	1:L:597:UNK:CB	2.81	0.43
1:M:28:ASP:OD1	1:M:35:MET:HE1	2.19	0.43
1:M:39:ILE:HD12	1:M:39:ILE:HA	1.70	0.43
1:M:65:LEU:HA	1:M:72:MET:HE2	2.00	0.43
1:M:182:ASN:OD1	1:M:246:ASN:HB3	2.19	0.43
1:M:192:VAL:CG1	1:M:251:LYS:CD	2.94	0.43
1:M:262:ILE:HG22	1:M:264:LEU:HD11	1.99	0.43
1:M:268:PHE:HZ	1:M:407:LYS:CB	2.30	0.43
1:M:322:ARG:NH2	1:M:326:ILE:HB	2.33	0.43
1:M:402:VAL:CG2	1:M:403:ASN:N	2.81	0.43
1:M:410:LEU:HA	1:M:423:PRO:CB	2.48	0.43
1:M:536:GLU:HA	1:M:539:VAL:CG1	2.48	0.43
1:M:549:ILE:HG23	1:M:549:ILE:O	2.19	0.43
1:M:629:UNK:N	1:M:644:UNK:CB	2.81	0.43
1:N:56:SER:CA	1:N:128:LEU:HD22	2.48	0.43
1:N:80:VAL:CG1	1:N:81:LEU:N	2.82	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:100:SER:CB	1:N:102:MET:SD	3.07	0.43
1:N:382:PRO:HA	1:N:419:THR:HA	2.00	0.43
1:O:10:TYR:CE1	1:O:166:LEU:O	2.72	0.43
1:O:164:VAL:HG13	1:O:165:CYS:N	2.34	0.43
1:O:244:LEU:HB2	1:O:247:VAL:CG2	2.49	0.43
1:O:360:LEU:HD12	1:O:360:LEU:N	2.34	0.43
1:P:10:TYR:CE1	1:P:166:LEU:O	2.72	0.43
1:P:157:LYS:HE3	1:P:265:THR:HB	1.99	0.43
1:P:244:LEU:HB2	1:P:247:VAL:CG2	2.49	0.43
1:P:361:GLU:CG	1:P:365:TYR:HD1	2.28	0.43
1:P:369:PHE:HZ	1:P:427:LEU:CD2	2.31	0.43
1:P:410:LEU:CA	1:P:423:PRO:CB	2.97	0.43
1:P:410:LEU:CB	1:P:423:PRO:HB2	2.47	0.43
1:P:1161:UNK:C	1:P:1163:UNK:N	2.82	0.43
1:A:56:SER:CA	1:A:128:LEU:HD22	2.48	0.43
1:A:113:LEU:CB	1:A:166:LEU:CD1	2.93	0.43
1:A:127:ARG:CG	1:A:292:LEU:CD1	2.94	0.43
1:A:277:ALA:C	1:B:119:VAL:CG2	2.83	0.43
1:A:364:GLU:CD	1:A:401:VAL:HG21	2.39	0.43
1:A:398:VAL:CG2	1:A:399:MET:N	2.82	0.43
1:A:410:LEU:HA	1:A:423:PRO:CB	2.48	0.43
1:A:487:PHE:HE2	1:A:523:PHE:HB3	1.83	0.43
1:A:629:UNK:N	1:A:644:UNK:CB	2.81	0.43
1:B:91:PRO:HA	1:B:94:THR:HG22	2.00	0.43
1:B:122:LYS:CG	1:B:304:TYR:CD2	3.01	0.43
1:B:196:LEU:CD2	1:B:224:ILE:CG2	2.94	0.43
1:B:304:TYR:HH	3:B:1402:DTP:C2	2.32	0.43
1:B:510:ALA:CB	1:B:645:UNK:O	2.64	0.43
1:B:535:TYR:O	1:B:539:VAL:HG12	2.19	0.43
1:B:542:ILE:CG2	1:B:573:ILE:CD1	2.94	0.43
1:B:549:ILE:O	1:B:549:ILE:HG23	2.19	0.43
1:B:557:LYS:N	1:B:597:UNK:CB	2.81	0.43
1:C:244:LEU:HB2	1:C:247:VAL:CG2	2.49	0.43
1:C:290:MET:HG3	1:C:291:THR:N	2.34	0.43
1:C:368:MET:CB	1:C:390:TRP:CE2	2.94	0.43
1:C:394:ILE:O	1:C:395:LYS:HB2	2.18	0.43
1:C:437:TYR:CE1	1:C:439:LEU:HB2	2.54	0.43
1:C:484:MET:HA	1:C:489:MET:HE2	1.97	0.43
1:C:536:GLU:HA	1:C:539:VAL:CG1	2.48	0.43
1:D:120:PHE:CZ	1:D:122:LYS:CD	2.98	0.43
1:D:178:ILE:HG13	1:D:241:LEU:HD23	2.01	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:182:ASN:OD1	1:D:246:ASN:HB3	2.19	0.43
1:D:235:LYS:HB2	1:D:237:TYR:HE2	1.78	0.43
1:D:240:CYS:SG	1:D:242:LEU:HD21	2.58	0.43
1:D:268:PHE:HZ	1:D:407:LYS:HB3	1.84	0.43
1:D:1172:UNK:CB	1:D:1191:UNK:CB	2.96	0.43
1:E:122:LYS:CG	1:E:304:TYR:CD2	3.01	0.43
1:E:142:ARG:O	1:E:261:LYS:HD2	2.19	0.43
1:E:221:ILE:CG1	1:E:222:HIS:N	2.82	0.43
1:E:320:ASN:HA	1:E:321:PRO:HD3	1.71	0.43
1:E:458:LEU:CD1	1:E:580:GLN:HE21	2.31	0.43
1:E:535:TYR:O	1:E:539:VAL:HG12	2.19	0.43
1:E:973:UNK:HA	1:E:986:UNK:O	2.19	0.43
1:F:24:VAL:CA	1:F:27:PHE:CE2	2.94	0.43
1:F:48:ILE:HG23	1:F:57:GLY:O	2.19	0.43
1:F:410:LEU:CB	1:F:423:PRO:HB2	2.47	0.43
1:F:973:UNK:HA	1:F:986:UNK:O	2.19	0.43
1:G:10:TYR:CE1	1:G:166:LEU:O	2.72	0.43
1:G:80:VAL:CG1	1:G:81:LEU:N	2.82	0.43
1:G:81:LEU:HA	1:G:89:MET:HE2	2.01	0.43
1:G:157:LYS:HG2	1:G:287:HIS:HD2	1.81	0.43
1:G:179:PHE:CZ	1:G:237:TYR:CE1	3.06	0.43
1:G:228:LEU:CD2	1:G:232:LEU:CD1	2.94	0.43
1:G:360:LEU:HD12	1:G:360:LEU:N	2.34	0.43
1:G:369:PHE:CE1	1:G:427:LEU:CD1	2.94	0.43
1:G:386:LEU:HG	1:G:420:ILE:HG12	2.00	0.43
1:H:80:VAL:CG1	1:H:81:LEU:N	2.82	0.43
1:H:100:SER:CB	1:H:102:MET:SD	3.07	0.43
1:H:216:ASN:HD21	1:H:216:ASN:N	2.09	0.43
1:H:364:GLU:CD	1:H:401:VAL:HG21	2.39	0.43
1:H:365:TYR:CD2	1:H:401:VAL:CG1	3.02	0.43
1:I:125:VAL:CG2	1:I:296:GLU:HG3	2.44	0.43
1:I:126:SER:H	1:I:296:GLU:HG3	1.84	0.43
1:I:170:VAL:CG2	1:I:171:GLN:N	2.81	0.43
1:I:221:ILE:CG1	1:I:222:HIS:N	2.82	0.43
1:I:307:CYS:HB3	1:I:308:ARG:H	1.66	0.43
1:I:437:TYR:CE1	1:I:439:LEU:HB2	2.54	0.43
1:I:462:TYR:HE2	1:I:494:PHE:CE1	2.37	0.43
1:I:973:UNK:HA	1:I:986:UNK:O	2.19	0.43
1:J:7:GLU:CG	1:J:107:ILE:CD1	2.93	0.43
1:J:88:LEU:N	1:J:88:LEU:CD2	2.80	0.43
1:J:182:ASN:OD1	1:J:246:ASN:HB3	2.19	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:240:CYS:SG	1:J:242:LEU:HD21	2.58	0.43
1:J:369:PHE:HZ	1:J:427:LEU:CD2	2.31	0.43
1:J:410:LEU:CA	1:J:423:PRO:CB	2.97	0.43
1:J:1161:UNK:C	1:J:1163:UNK:N	2.82	0.43
1:K:24:VAL:CG2	1:K:27:PHE:CE2	2.94	0.43
1:K:32:VAL:CG1	1:K:45:ILE:HG21	2.47	0.43
1:K:39:ILE:HD12	1:K:39:ILE:HA	1.70	0.43
1:K:290:MET:HG3	1:K:291:THR:N	2.34	0.43
1:K:326:ILE:CG2	1:K:327:ILE:N	2.82	0.43
1:K:509:ASN:CA	1:K:648:UNK:CB	2.92	0.43
1:K:559:THR:O	1:K:1037:UNK:HA	2.19	0.43
1:L:122:LYS:CG	1:L:304:TYR:CD2	3.01	0.43
1:L:207:TRP:N	1:L:207:TRP:CD1	2.83	0.43
1:L:437:TYR:CE1	1:L:439:LEU:HB2	2.54	0.43
1:M:10:TYR:CE1	1:M:166:LEU:O	2.72	0.43
1:M:24:VAL:CG2	1:M:27:PHE:CE2	2.94	0.43
1:M:364:GLU:CD	1:M:401:VAL:HG21	2.39	0.43
1:M:368:MET:CB	1:M:390:TRP:CE2	2.93	0.43
1:M:398:VAL:CG2	1:M:399:MET:N	2.82	0.43
1:M:463:LEU:N	1:M:463:LEU:CD1	2.81	0.43
1:M:558:TYR:HE2	1:M:1035:UNK:CB	2.31	0.43
1:N:221:ILE:CG1	1:N:222:HIS:N	2.82	0.43
1:N:364:GLU:CD	1:N:401:VAL:HG21	2.39	0.43
1:N:365:TYR:CD2	1:N:401:VAL:CG1	3.02	0.43
1:N:508:TRP:C	1:N:648:UNK:CB	2.87	0.43
1:N:1020:UNK:CB	1:N:1022:UNK:N	2.82	0.43
1:O:80:VAL:CG1	1:O:81:LEU:N	2.82	0.43
1:O:126:SER:H	1:O:296:GLU:HG3	1.84	0.43
1:O:179:PHE:CZ	1:O:237:TYR:CE1	3.06	0.43
1:O:300:LEU:CD1	1:O:301:LEU:N	2.82	0.43
1:O:384:ILE:CG2	1:O:385:LEU:N	2.82	0.43
1:O:386:LEU:HG	1:O:420:ILE:HG12	2.00	0.43
1:O:487:PHE:HE2	1:O:523:PHE:HB3	1.83	0.43
1:O:510:ALA:CB	1:O:645:UNK:O	2.64	0.43
1:O:1068:UNK:HA	1:O:1072:UNK:HA	2.00	0.43
1:P:30:LYS:HE3	1:P:30:LYS:HB2	1.83	0.43
1:P:120:PHE:CD1	1:P:121:ALA:N	2.81	0.43
1:P:139:LEU:HD21	1:P:174:MET:SD	2.58	0.43
1:P:268:PHE:CD2	1:P:271:VAL:N	2.84	0.43
1:P:480:HIS:N	1:P:481:PRO:HD2	2.34	0.43
1:P:973:UNK:HA	1:P:986:UNK:O	2.19	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:P:1402:DTP:H5'2	3:P:1402:DTP:H2'2	1.46	0.43
1:A:10:TYR:CE1	1:A:166:LEU:O	2.72	0.42
1:A:192:VAL:CG1	1:A:251:LYS:CD	2.94	0.42
1:A:203:ILE:CG2	1:A:204:ASP:N	2.82	0.42
1:A:268:PHE:HZ	1:A:407:LYS:CB	2.30	0.42
1:A:357:LEU:HD11	1:A:366:ARG:CD	2.27	0.42
1:A:381:ILE:CG2	1:A:466:TYR:CE2	3.01	0.42
1:A:463:LEU:N	1:A:463:LEU:CD1	2.81	0.42
1:A:480:HIS:N	1:A:481:PRO:HD2	2.34	0.42
1:A:558:TYR:HE2	1:A:1035:UNK:CB	2.31	0.42
1:B:326:ILE:CG2	1:B:327:ILE:N	2.82	0.42
1:B:437:TYR:CE1	1:B:439:LEU:HB2	2.54	0.42
1:C:203:ILE:CG2	1:C:204:ASP:N	2.82	0.42
1:C:268:PHE:HZ	1:C:407:LYS:HB3	1.84	0.42
1:C:369:PHE:HZ	1:C:427:LEU:HD21	1.80	0.42
1:C:535:TYR:O	1:C:539:VAL:HG12	2.19	0.42
1:C:591:UNK:CB	1:C:1321:UNK:CA	2.94	0.42
1:D:7:GLU:CG	1:D:107:ILE:CD1	2.93	0.42
1:D:12:TYR:CZ	1:D:15:ILE:CD1	2.93	0.42
1:D:88:LEU:N	1:D:88:LEU:CD2	2.80	0.42
1:D:139:LEU:HD21	1:D:174:MET:SD	2.58	0.42
1:D:153:LEU:O	1:D:153:LEU:HD22	2.19	0.42
1:D:535:TYR:O	1:D:539:VAL:HG12	2.19	0.42
1:D:973:UNK:HA	1:D:986:UNK:O	2.19	0.42
1:E:139:LEU:HD21	1:E:174:MET:SD	2.58	0.42
1:E:170:VAL:CG2	1:E:171:GLN:N	2.81	0.42
1:E:182:ASN:OD1	1:E:246:ASN:HB3	2.19	0.42
1:E:462:TYR:HE2	1:E:494:PHE:CE1	2.37	0.42
1:E:536:GLU:HA	1:E:539:VAL:CG1	2.48	0.42
1:F:24:VAL:CG1	1:F:25:ASP:N	2.82	0.42
1:F:179:PHE:CZ	1:F:237:TYR:CE1	3.06	0.42
1:F:206:ASN:HB3	1:F:207:TRP:H	1.41	0.42
1:F:256:PHE:HE2	1:F:262:ILE:N	2.17	0.42
1:F:268:PHE:CD2	1:F:271:VAL:N	2.84	0.42
1:F:390:TRP:CD2	1:F:402:VAL:HG12	2.54	0.42
1:F:495:ARG:HH22	1:F:549:ILE:CD1	2.30	0.42
1:G:56:SER:CA	1:G:128:LEU:HD22	2.48	0.42
1:G:126:SER:H	1:G:296:GLU:HG3	1.84	0.42
1:G:300:LEU:CD1	1:G:301:LEU:N	2.82	0.42
1:G:312:LEU:O	1:G:316:VAL:HG13	2.18	0.42
1:G:362:PRO:CA	1:G:366:ARG:HB3	2.47	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:551:GLU:HA	1:G:551:GLU:OE1	2.20	0.42
1:H:170:VAL:CG2	1:H:171:GLN:N	2.81	0.42
1:H:179:PHE:HE1	1:H:240:CYS:HG	1.66	0.42
1:H:244:LEU:HB2	1:H:247:VAL:CG2	2.49	0.42
1:H:290:MET:HG3	1:H:291:THR:N	2.34	0.42
1:H:390:TRP:CD2	1:H:402:VAL:HG12	2.54	0.42
1:H:402:VAL:CG2	1:H:403:ASN:N	2.81	0.42
1:H:450:PRO:CG	1:H:471:ILE:HD13	2.49	0.42
1:H:558:TYR:HE2	1:H:1035:UNK:CB	2.31	0.42
1:I:122:LYS:CG	1:I:304:TYR:CD2	3.01	0.42
1:I:139:LEU:HD21	1:I:174:MET:SD	2.58	0.42
1:I:182:ASN:OD1	1:I:246:ASN:HB3	2.19	0.42
1:I:322:ARG:NH2	1:I:326:ILE:HB	2.33	0.42
1:I:536:GLU:HA	1:I:539:VAL:CG1	2.48	0.42
1:I:542:ILE:CG2	1:I:573:ILE:CD1	2.94	0.42
1:I:549:ILE:HG23	1:I:549:ILE:O	2.19	0.42
1:J:24:VAL:CG2	1:J:27:PHE:CE2	2.94	0.42
1:J:178:ILE:HG13	1:J:241:LEU:HD23	2.01	0.42
1:J:973:UNK:HA	1:J:986:UNK:O	2.19	0.42
1:K:192:VAL:CG2	1:K:193:LEU:N	2.82	0.42
1:K:394:ILE:O	1:K:395:LYS:HB2	2.18	0.42
1:K:410:LEU:CA	1:K:423:PRO:CB	2.97	0.42
1:K:536:GLU:HA	1:K:539:VAL:CG1	2.48	0.42
1:K:591:UNK:CB	1:K:1321:UNK:CA	2.94	0.42
3:K:1402:DTP:H5'2	3:K:1402:DTP:H2'2	1.46	0.42
1:L:91:PRO:HA	1:L:94:THR:HG22	2.00	0.42
1:L:192:VAL:CG1	1:L:251:LYS:CD	2.94	0.42
1:L:304:TYR:HH	3:L:1402:DTP:C2	2.32	0.42
1:L:326:ILE:CG2	1:L:327:ILE:N	2.82	0.42
1:L:542:ILE:CG2	1:L:573:ILE:CD1	2.94	0.42
1:L:557:LYS:HD2	1:L:558:TYR:N	2.26	0.42
1:M:56:SER:CA	1:M:128:LEU:HD22	2.48	0.42
1:M:113:LEU:CB	1:M:166:LEU:CD1	2.93	0.42
1:M:149:ILE:HG21	1:M:149:ILE:HD13	1.40	0.42
1:M:381:ILE:CG2	1:M:466:TYR:CE2	3.01	0.42
1:M:480:HIS:N	1:M:481:PRO:HD2	2.34	0.42
1:M:509:ASN:CA	1:M:648:UNK:CB	2.92	0.42
1:N:153:LEU:HD23	1:N:322:ARG:HD3	2.00	0.42
1:N:170:VAL:CG2	1:N:171:GLN:N	2.81	0.42
1:N:290:MET:HG3	1:N:291:THR:N	2.34	0.42
1:N:390:TRP:CD2	1:N:402:VAL:HG12	2.54	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:402:VAL:CG2	1:N:403:ASN:N	2.81	0.42
1:N:450:PRO:CG	1:N:471:ILE:HD13	2.49	0.42
1:O:20:GLU:CG	1:O:85:TYR:CE2	2.93	0.42
1:O:312:LEU:O	1:O:316:VAL:HG13	2.18	0.42
1:O:314:ARG:CZ	1:O:341:TRP:HH2	2.32	0.42
1:O:362:PRO:CA	1:O:366:ARG:HB3	2.47	0.42
1:O:368:MET:CB	1:O:390:TRP:CE2	2.93	0.42
1:O:549:ILE:O	1:O:549:ILE:HG23	2.19	0.42
1:O:551:GLU:HA	1:O:551:GLU:OE1	2.20	0.42
1:O:558:TYR:HE2	1:O:1035:UNK:CB	2.31	0.42
1:P:48:ILE:HG23	1:P:57:GLY:O	2.19	0.42
1:P:179:PHE:CZ	1:P:237:TYR:CE1	3.06	0.42
1:P:256:PHE:HE2	1:P:262:ILE:N	2.17	0.42
1:P:390:TRP:CD2	1:P:402:VAL:HG12	2.54	0.42
1:P:629:UNK:N	1:P:644:UNK:CB	2.81	0.42
1:A:187:ASN:ND2	1:A:187:ASN:H	2.16	0.42
1:A:300:LEU:HD12	1:A:300:LEU:C	2.39	0.42
1:A:394:ILE:O	1:A:395:LYS:HB2	2.18	0.42
1:A:973:UNK:HA	1:A:986:UNK:O	2.19	0.42
1:B:7:GLU:CG	1:B:107:ILE:CD1	2.93	0.42
1:B:20:GLU:O	1:B:23:PHE:N	2.53	0.42
1:B:152:VAL:CG1	1:B:153:LEU:N	2.82	0.42
1:B:207:TRP:CD1	1:B:207:TRP:N	2.83	0.42
1:B:499:GLN:NE2	1:B:554:ILE:HG12	2.30	0.42
1:B:536:GLU:O	1:B:539:VAL:HG13	2.19	0.42
1:C:24:VAL:CG1	1:C:25:ASP:N	2.82	0.42
1:C:32:VAL:CG1	1:C:45:ILE:HG21	2.47	0.42
1:C:85:TYR:CD2	1:C:88:LEU:HB2	2.55	0.42
1:C:192:VAL:CG2	1:C:193:LEU:N	2.82	0.42
1:C:322:ARG:NH2	1:C:326:ILE:HB	2.33	0.42
1:C:410:LEU:CA	1:C:423:PRO:CB	2.97	0.42
1:C:480:HIS:N	1:C:481:PRO:HD2	2.34	0.42
1:C:536:GLU:O	1:C:539:VAL:HG13	2.19	0.42
1:C:559:THR:O	1:C:1037:UNK:HA	2.19	0.42
1:D:40:LEU:CG	1:D:64:THR:HG21	2.33	0.42
1:D:308:ARG:HH12	1:D:310:GLN:HB2	1.85	0.42
1:D:527:TYR:HD1	1:D:527:TYR:HA	1.68	0.42
1:D:1068:UNK:HA	1:D:1072:UNK:HA	2.00	0.42
1:E:80:VAL:CG1	1:E:81:LEU:N	2.82	0.42
1:E:179:PHE:CZ	1:E:237:TYR:CE1	3.06	0.42
1:E:192:VAL:CG2	1:E:193:LEU:N	2.82	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:207:TRP:CD1	1:E:207:TRP:N	2.83	0.42
1:E:268:PHE:CD2	1:E:271:VAL:N	2.84	0.42
1:E:542:ILE:CG2	1:E:573:ILE:CD1	2.94	0.42
1:E:549:ILE:HG23	1:E:549:ILE:O	2.19	0.42
1:F:100:SER:CB	1:F:102:MET:SD	3.07	0.42
1:F:113:LEU:CB	1:F:166:LEU:CD1	2.93	0.42
1:F:170:VAL:CG2	1:F:171:GLN:N	2.81	0.42
1:F:203:ILE:CG2	1:F:204:ASP:N	2.82	0.42
1:F:361:GLU:CG	1:F:365:TYR:HD1	2.28	0.42
1:F:372:LEU:HD23	1:F:372:LEU:C	2.38	0.42
1:F:551:GLU:HA	1:F:551:GLU:OE1	2.20	0.42
1:G:107:ILE:HG23	1:G:108:GLU:N	2.35	0.42
1:G:314:ARG:CZ	1:G:341:TRP:HH2	2.32	0.42
1:G:487:PHE:HE2	1:G:523:PHE:HB3	1.83	0.42
1:G:528:ILE:CD1	1:G:529:CYS:N	2.82	0.42
1:G:549:ILE:O	1:G:549:ILE:HG23	2.19	0.42
1:G:558:TYR:HE2	1:G:1035:UNK:CB	2.31	0.42
1:G:559:THR:O	1:G:1037:UNK:HA	2.19	0.42
1:H:113:LEU:CD2	1:H:166:LEU:CD1	2.94	0.42
1:H:187:ASN:ND2	1:H:187:ASN:H	2.16	0.42
1:H:249:ASN:O	1:H:253:TRP:HD1	2.01	0.42
1:H:368:MET:CG	1:H:390:TRP:NE1	2.78	0.42
1:H:425:ILE:CG2	1:H:426:TYR:N	2.82	0.42
1:H:437:TYR:CE1	1:H:439:LEU:HB2	2.54	0.42
1:I:80:VAL:CG1	1:I:81:LEU:N	2.82	0.42
1:I:142:ARG:O	1:I:261:LYS:HD2	2.19	0.42
1:I:179:PHE:CZ	1:I:237:TYR:CE1	3.06	0.42
1:I:192:VAL:CG2	1:I:193:LEU:N	2.82	0.42
1:I:483:ARG:HE	1:I:527:TYR:HB2	1.79	0.42
1:I:535:TYR:O	1:I:539:VAL:HG12	2.19	0.42
1:J:20:GLU:HB3	1:J:23:PHE:HD2	1.81	0.42
1:J:139:LEU:HD21	1:J:174:MET:SD	2.58	0.42
1:J:153:LEU:O	1:J:153:LEU:HD22	2.19	0.42
1:J:170:VAL:CG2	1:J:171:GLN:N	2.81	0.42
1:J:268:PHE:HZ	1:J:407:LYS:HB3	1.84	0.42
1:J:450:PRO:CG	1:J:471:ILE:HD13	2.49	0.42
1:J:535:TYR:O	1:J:539:VAL:HG12	2.19	0.42
1:J:1068:UNK:HA	1:J:1072:UNK:HA	2.00	0.42
1:K:24:VAL:CG1	1:K:25:ASP:N	2.82	0.42
1:K:85:TYR:CD2	1:K:88:LEU:HB2	2.55	0.42
1:K:203:ILE:CG2	1:K:204:ASP:N	2.82	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:228:LEU:CD2	1:K:232:LEU:CD1	2.94	0.42
1:K:480:HIS:N	1:K:481:PRO:HD2	2.34	0.42
1:K:535:TYR:O	1:K:539:VAL:HG12	2.19	0.42
1:K:973:UNK:HA	1:K:986:UNK:O	2.19	0.42
1:L:1:MET:CE	1:L:65:LEU:CD1	2.95	0.42
1:L:20:GLU:O	1:L:23:PHE:N	2.53	0.42
1:L:24:VAL:CG2	1:L:27:PHE:CE2	2.94	0.42
1:L:152:VAL:CG1	1:L:153:LEU:N	2.82	0.42
1:L:196:LEU:CD2	1:L:224:ILE:CG2	2.94	0.42
1:L:221:ILE:CG1	1:L:222:HIS:N	2.82	0.42
1:L:301:LEU:CD1	1:L:305:LEU:CD1	2.95	0.42
1:L:308:ARG:HH12	1:L:310:GLN:HB2	1.85	0.42
1:L:371:ARG:CB	1:L:389:ILE:CG2	2.93	0.42
1:L:510:ALA:CB	1:L:645:UNK:O	2.64	0.42
1:L:536:GLU:O	1:L:539:VAL:HG13	2.19	0.42
1:M:3:PHE:HB3	1:M:7:GLU:OE2	2.20	0.42
1:M:187:ASN:ND2	1:M:187:ASN:H	2.16	0.42
1:M:203:ILE:CG2	1:M:204:ASP:N	2.82	0.42
1:M:437:TYR:CE1	1:M:439:LEU:HB2	2.54	0.42
1:M:487:PHE:HE2	1:M:523:PHE:HB3	1.83	0.42
1:M:973:UNK:HA	1:M:986:UNK:O	2.19	0.42
1:N:244:LEU:HB2	1:N:247:VAL:CG2	2.49	0.42
1:N:425:ILE:CG2	1:N:426:TYR:N	2.82	0.42
1:N:509:ASN:CA	1:N:648:UNK:CB	2.92	0.42
1:O:91:PRO:HA	1:O:94:THR:HG22	2.00	0.42
1:O:107:ILE:HG23	1:O:108:GLU:N	2.35	0.42
1:O:365:TYR:CD2	1:O:401:VAL:CG1	3.02	0.42
1:O:390:TRP:HD1	1:O:398:VAL:CB	2.30	0.42
1:P:24:VAL:CA	1:P:27:PHE:CE2	2.94	0.42
1:P:24:VAL:CG1	1:P:25:ASP:N	2.82	0.42
1:P:39:ILE:O	1:P:72:MET:HE3	2.20	0.42
1:P:100:SER:CB	1:P:102:MET:SD	3.07	0.42
1:P:170:VAL:CG2	1:P:171:GLN:N	2.81	0.42
1:P:203:ILE:CG2	1:P:204:ASP:N	2.82	0.42
1:P:437:TYR:CE1	1:P:439:LEU:HB2	2.54	0.42
1:P:551:GLU:OE1	1:P:551:GLU:HA	2.20	0.42
1:A:3:PHE:HB3	1:A:7:GLU:OE2	2.20	0.42
1:A:290:MET:HG3	1:A:291:THR:N	2.34	0.42
1:A:384:ILE:CG2	1:A:385:LEU:N	2.82	0.42
1:A:437:TYR:CE1	1:A:439:LEU:HB2	2.54	0.42
1:A:509:ASN:CA	1:A:648:UNK:CB	2.92	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:542:ILE:HD12	1:A:543:LEU:CA	2.49	0.42
1:A:551:GLU:HA	1:A:551:GLU:OE1	2.20	0.42
1:B:100:SER:CB	1:B:102:MET:SD	3.07	0.42
1:B:192:VAL:CG1	1:B:251:LYS:CD	2.94	0.42
1:B:221:ILE:CG1	1:B:222:HIS:N	2.82	0.42
1:B:300:LEU:HD12	1:B:300:LEU:C	2.39	0.42
1:B:308:ARG:HH12	1:B:310:GLN:HB2	1.85	0.42
1:B:317:LEU:HA	1:B:318:THR:HA	1.73	0.42
1:B:364:GLU:CD	1:B:401:VAL:HG21	2.39	0.42
1:B:371:ARG:CB	1:B:389:ILE:CG2	2.93	0.42
1:B:480:HIS:N	1:B:481:PRO:HD2	2.34	0.42
1:C:3:PHE:HB3	1:C:7:GLU:OE2	2.20	0.42
1:C:24:VAL:CG2	1:C:27:PHE:CE2	2.94	0.42
1:C:87:PHE:CG	1:K:19:PHE:CE2	2.97	0.42
1:C:126:SER:H	1:C:296:GLU:HG3	1.84	0.42
1:C:206:ASN:HB3	1:C:207:TRP:H	1.41	0.42
1:C:509:ASN:CA	1:C:648:UNK:CB	2.92	0.42
1:C:973:UNK:HA	1:C:986:UNK:O	2.19	0.42
1:D:157:LYS:HE3	1:D:265:THR:HB	1.99	0.42
1:D:170:VAL:CG2	1:D:171:GLN:N	2.81	0.42
1:D:253:TRP:HE3	1:D:275:LEU:CB	2.31	0.42
1:D:450:PRO:CG	1:D:471:ILE:HD13	2.49	0.42
1:D:462:TYR:HE2	1:D:494:PHE:CE1	2.37	0.42
1:D:542:ILE:HD12	1:D:543:LEU:CA	2.50	0.42
1:E:242:LEU:CD1	1:E:260:CYS:SG	3.07	0.42
1:E:558:TYR:CE2	1:E:1035:UNK:CB	3.01	0.42
1:E:563:ARG:HH11	1:E:1039:UNK:CB	2.33	0.42
1:F:20:GLU:O	1:F:23:PHE:N	2.53	0.42
1:F:27:PHE:HB2	1:F:30:LYS:HZ1	1.84	0.42
1:F:301:LEU:HD13	1:F:328:ALA:CB	2.45	0.42
1:F:314:ARG:CZ	1:F:341:TRP:HH2	2.32	0.42
1:F:437:TYR:CE1	1:F:439:LEU:HB2	2.54	0.42
1:G:91:PRO:HA	1:G:94:THR:HG22	2.00	0.42
1:G:364:GLU:CD	1:G:401:VAL:HG21	2.39	0.42
1:G:365:TYR:CD2	1:G:401:VAL:CG1	3.02	0.42
1:G:381:ILE:CG2	1:G:466:TYR:CE2	3.01	0.42
1:H:20:GLU:HA	1:H:85:TYR:HH	1.84	0.42
1:H:221:ILE:HD13	1:H:221:ILE:H	1.82	0.42
1:H:312:LEU:O	1:H:316:VAL:HG13	2.18	0.42
1:H:376:PRO:HD2	1:H:470:HIS:HD2	1.84	0.42
1:H:535:TYR:O	1:H:539:VAL:HG12	2.19	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:85:TYR:CD2	1:I:88:LEU:HB2	2.55	0.42
1:I:242:LEU:CD1	1:I:260:CYS:SG	3.07	0.42
1:I:268:PHE:CD2	1:I:271:VAL:N	2.84	0.42
1:I:519:GLN:CG	1:I:523:PHE:CZ	2.94	0.42
1:I:558:TYR:CE2	1:I:1035:UNK:CB	3.01	0.42
1:I:563:ARG:HH11	1:I:1039:UNK:CB	2.33	0.42
1:J:10:TYR:CE1	1:J:166:LEU:O	2.72	0.42
1:J:37:LYS:CG	1:J:38:SER:N	2.80	0.42
1:J:192:VAL:CG1	1:J:251:LYS:CD	2.94	0.42
1:J:308:ARG:HH12	1:J:310:GLN:HB2	1.85	0.42
1:J:326:ILE:CG2	1:J:327:ILE:N	2.82	0.42
1:J:542:ILE:HD12	1:J:543:LEU:CA	2.50	0.42
1:K:3:PHE:HB3	1:K:7:GLU:OE2	2.20	0.42
1:K:34:ASP:N	1:K:36:PRO:HD2	2.34	0.42
1:K:124:ASN:HB3	3:K:1402:DTP:N6	2.29	0.42
1:K:268:PHE:HZ	1:K:407:LYS:HB3	1.84	0.42
1:K:536:GLU:O	1:K:539:VAL:HG13	2.19	0.42
1:L:10:TYR:CE1	1:L:166:LEU:O	2.72	0.42
1:L:300:LEU:HD12	1:L:300:LEU:C	2.39	0.42
1:L:364:GLU:CD	1:L:401:VAL:HG21	2.39	0.42
1:L:495:ARG:NE	1:L:561:LEU:HD12	2.21	0.42
1:L:536:GLU:HA	1:L:539:VAL:CG1	2.48	0.42
1:M:290:MET:HG3	1:M:291:THR:N	2.34	0.42
1:M:300:LEU:HD12	1:M:300:LEU:C	2.39	0.42
1:M:394:ILE:O	1:M:395:LYS:HB2	2.18	0.42
1:M:410:LEU:CA	1:M:423:PRO:CB	2.97	0.42
1:M:542:ILE:HD12	1:M:543:LEU:CA	2.50	0.42
1:N:84:ASN:CA	1:N:89:MET:HE1	2.44	0.42
1:N:153:LEU:O	1:N:153:LEU:HD22	2.19	0.42
1:N:187:ASN:ND2	1:N:187:ASN:H	2.16	0.42
1:N:249:ASN:O	1:N:253:TRP:HD1	2.01	0.42
1:N:368:MET:CG	1:N:390:TRP:NE1	2.78	0.42
1:N:475:LEU:HA	1:N:475:LEU:HD23	1.89	0.42
1:N:558:TYR:HE2	1:N:1035:UNK:CB	2.31	0.42
1:O:132:LEU:CD1	1:O:135:ARG:CZ	2.97	0.42
1:O:157:LYS:HG2	1:O:287:HIS:HD2	1.81	0.42
1:O:528:ILE:CD1	1:O:529:CYS:N	2.82	0.42
1:P:20:GLU:O	1:P:23:PHE:N	2.53	0.42
1:P:27:PHE:HB2	1:P:30:LYS:HZ1	1.84	0.42
1:P:249:ASN:O	1:P:253:TRP:HD1	2.01	0.42
1:P:256:PHE:CE2	1:P:262:ILE:CB	2.93	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:314:ARG:CZ	1:P:341:TRP:HH2	2.32	0.42
1:P:372:LEU:HD23	1:P:372:LEU:C	2.38	0.42
1:A:24:VAL:CG2	1:A:27:PHE:CE2	2.94	0.42
1:A:87:PHE:CZ	1:I:87:PHE:CE1	3.06	0.42
1:A:107:ILE:HG23	1:A:108:GLU:N	2.35	0.42
1:A:152:VAL:CG1	1:A:153:LEU:N	2.82	0.42
1:A:410:LEU:CA	1:A:423:PRO:CB	2.97	0.42
1:A:536:GLU:O	1:A:539:VAL:HG13	2.19	0.42
1:A:557:LYS:CB	1:A:597:UNK:N	2.70	0.42
1:A:563:ARG:HH11	1:A:1039:UNK:CB	2.33	0.42
1:A:1020:UNK:CB	1:A:1022:UNK:N	2.82	0.42
1:B:1:MET:CE	1:B:65:LEU:CD1	2.95	0.42
1:B:10:TYR:CE1	1:B:166:LEU:O	2.72	0.42
1:B:126:SER:H	1:B:296:GLU:HG3	1.84	0.42
1:B:132:LEU:CD1	1:B:135:ARG:CZ	2.97	0.42
1:B:253:TRP:CE2	1:B:271:VAL:HG11	2.53	0.42
1:B:301:LEU:CD1	1:B:305:LEU:CD1	2.95	0.42
1:B:337:THR:O	1:B:341:TRP:CE3	2.73	0.42
1:B:476:LYS:CE	1:B:529:CYS:SG	3.07	0.42
1:B:536:GLU:HA	1:B:539:VAL:CG1	2.48	0.42
1:B:542:ILE:HD12	1:B:543:LEU:CA	2.50	0.42
1:B:557:LYS:HD2	1:B:558:TYR:N	2.26	0.42
1:C:30:LYS:HE3	1:C:30:LYS:HB2	1.83	0.42
1:C:34:ASP:N	1:C:36:PRO:HD2	2.34	0.42
1:C:80:VAL:CG1	1:C:81:LEU:N	2.82	0.42
1:C:462:TYR:HE2	1:C:494:PHE:CE1	2.37	0.42
1:C:1020:UNK:CB	1:C:1022:UNK:N	2.82	0.42
1:D:10:TYR:CE1	1:D:166:LEU:O	2.72	0.42
1:D:20:GLU:HB3	1:D:23:PHE:HD2	1.81	0.42
1:D:37:LYS:CG	1:D:38:SER:N	2.80	0.42
1:D:87:PHE:CZ	1:L:87:PHE:CE1	3.06	0.42
1:D:290:MET:HG3	1:D:291:THR:N	2.34	0.42
1:D:326:ILE:CG2	1:D:327:ILE:N	2.82	0.42
1:D:549:ILE:O	1:D:549:ILE:HG23	2.19	0.42
1:E:39:ILE:O	1:E:72:MET:HE1	2.19	0.42
1:E:85:TYR:CD2	1:E:88:LEU:HB2	2.55	0.42
1:E:249:ASN:O	1:E:253:TRP:HD1	2.01	0.42
1:E:268:PHE:HZ	1:E:407:LYS:HB3	1.84	0.42
1:E:398:VAL:CG2	1:E:399:MET:N	2.82	0.42
1:F:85:TYR:CD2	1:F:88:LEU:HB2	2.55	0.42
1:F:94:THR:HG23	1:F:95:GLU:N	2.35	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:178:ILE:HG13	1:F:241:LEU:HD23	2.01	0.42
1:F:249:ASN:O	1:F:253:TRP:HD1	2.01	0.42
1:F:337:THR:O	1:F:341:TRP:CE3	2.73	0.42
1:F:536:GLU:O	1:F:539:VAL:HG13	2.19	0.42
3:F:1402:DTP:H2'2	3:F:1402:DTP:H5'2	1.46	0.42
1:G:153:LEU:O	1:G:153:LEU:HD22	2.19	0.42
1:H:40:LEU:O	1:H:41:SER:C	2.58	0.42
1:H:48:ILE:HG23	1:H:57:GLY:O	2.19	0.42
1:H:107:ILE:HG23	1:H:108:GLU:N	2.35	0.42
1:H:153:LEU:O	1:H:153:LEU:HD22	2.19	0.42
1:H:203:ILE:CG2	1:H:204:ASP:N	2.82	0.42
1:H:463:LEU:N	1:H:463:LEU:CD1	2.81	0.42
1:H:509:ASN:CA	1:H:648:UNK:CB	2.92	0.42
1:H:549:ILE:O	1:H:549:ILE:HG23	2.19	0.42
1:I:149:ILE:HG21	1:I:149:ILE:HD13	1.40	0.42
1:I:249:ASN:O	1:I:253:TRP:HD1	2.01	0.42
1:I:398:VAL:CG2	1:I:399:MET:N	2.82	0.42
1:I:410:LEU:CB	1:I:423:PRO:HB2	2.47	0.42
1:I:487:PHE:HE2	1:I:523:PHE:HB3	1.83	0.42
1:J:253:TRP:HE3	1:J:275:LEU:CB	2.31	0.42
1:J:300:LEU:CD1	1:J:301:LEU:N	2.82	0.42
1:J:360:LEU:HD12	1:J:360:LEU:N	2.34	0.42
1:J:365:TYR:CD2	1:J:401:VAL:CG1	3.02	0.42
1:J:398:VAL:CG2	1:J:399:MET:N	2.82	0.42
1:J:462:TYR:HE2	1:J:494:PHE:CE1	2.37	0.42
1:K:80:VAL:CG1	1:K:81:LEU:N	2.82	0.42
1:K:126:SER:H	1:K:296:GLU:HG3	1.84	0.42
1:K:192:VAL:CG1	1:K:251:LYS:CD	2.94	0.42
1:L:100:SER:CB	1:L:102:MET:SD	3.07	0.42
1:L:124:ASN:HB3	3:L:1402:DTP:N6	2.29	0.42
1:L:126:SER:H	1:L:296:GLU:HG3	1.84	0.42
1:L:132:LEU:CD1	1:L:135:ARG:CZ	2.97	0.42
1:L:244:LEU:CD2	1:L:262:ILE:CD1	2.94	0.42
1:L:337:THR:O	1:L:341:TRP:CE3	2.73	0.42
1:L:476:LYS:CE	1:L:529:CYS:SG	3.07	0.42
1:L:480:HIS:N	1:L:481:PRO:HD2	2.34	0.42
1:L:542:ILE:HD12	1:L:543:LEU:CA	2.50	0.42
1:L:973:UNK:HA	1:L:986:UNK:O	2.19	0.42
1:M:107:ILE:HG23	1:M:108:GLU:N	2.35	0.42
1:M:384:ILE:CG2	1:M:385:LEU:N	2.82	0.42
1:M:536:GLU:O	1:M:539:VAL:HG13	2.19	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:551:GLU:HA	1:M:551:GLU:OE1	2.20	0.42
1:M:557:LYS:CB	1:M:597:UNK:N	2.71	0.42
1:M:563:ARG:HH11	1:M:1039:UNK:CB	2.33	0.42
1:M:1020:UNK:CB	1:M:1022:UNK:N	2.82	0.42
1:N:40:LEU:O	1:N:41:SER:C	2.58	0.42
1:N:107:ILE:HG23	1:N:108:GLU:N	2.35	0.42
1:N:113:LEU:CD2	1:N:166:LEU:CD1	2.94	0.42
1:N:203:ILE:CG2	1:N:204:ASP:N	2.82	0.42
1:N:246:ASN:H	1:N:265:THR:HG1	1.68	0.42
1:N:312:LEU:O	1:N:316:VAL:HG13	2.18	0.42
1:N:376:PRO:HD2	1:N:470:HIS:HD2	1.84	0.42
1:N:437:TYR:CE1	1:N:439:LEU:HB2	2.54	0.42
1:N:535:TYR:O	1:N:539:VAL:HG12	2.19	0.42
1:N:549:ILE:O	1:N:549:ILE:HG23	2.19	0.42
1:N:551:GLU:HA	1:N:551:GLU:OE1	2.20	0.42
1:N:557:LYS:N	1:N:597:UNK:CB	2.81	0.42
1:O:20:GLU:O	1:O:23:PHE:N	2.53	0.42
1:O:364:GLU:CD	1:O:401:VAL:HG21	2.39	0.42
1:O:381:ILE:CG2	1:O:466:TYR:CE2	3.01	0.42
1:O:559:THR:O	1:O:1037:UNK:HA	2.19	0.42
1:O:563:ARG:HH11	1:O:1039:UNK:CB	2.33	0.42
1:P:94:THR:HG23	1:P:95:GLU:N	2.35	0.42
1:P:113:LEU:CB	1:P:166:LEU:CD1	2.93	0.42
1:P:148:LEU:HD22	1:P:148:LEU:HA	1.63	0.42
1:P:337:THR:O	1:P:341:TRP:CE3	2.73	0.42
1:P:360:LEU:HD12	1:P:360:LEU:N	2.34	0.42
1:P:484:MET:HA	1:P:489:MET:HE1	1.98	0.42
1:P:536:GLU:O	1:P:539:VAL:HG13	2.19	0.42
1:A:123:TYR:CD1	1:A:304:TYR:N	2.88	0.42
1:A:326:ILE:CG2	1:A:327:ILE:N	2.82	0.42
1:A:368:MET:CB	1:A:390:TRP:CE2	2.94	0.42
1:A:376:PRO:CG	1:A:470:HIS:CD2	3.03	0.42
1:A:390:TRP:CD2	1:A:402:VAL:HG12	2.54	0.42
1:A:487:PHE:O	1:A:488:ARG:C	2.57	0.42
1:A:1251:UNK:O	1:A:1252:UNK:C	2.68	0.42
1:B:40:LEU:O	1:B:41:SER:C	2.58	0.42
1:B:87:PHE:CE1	1:J:87:PHE:CZ	3.06	0.42
1:B:164:VAL:CG1	1:B:165:CYS:N	2.83	0.42
1:B:193:LEU:HD23	1:B:193:LEU:HA	1.78	0.42
1:B:415:PRO:HD2	1:B:419:THR:O	2.18	0.42
1:B:443:ILE:CG2	1:B:444:VAL:N	2.83	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HB3	3:C:1402:DTP:N6	2.29	0.42
1:C:148:LEU:HD21	1:C:264:LEU:HD13	1.99	0.42
1:C:228:LEU:CD2	1:C:232:LEU:CD1	2.94	0.42
1:C:256:PHE:CE2	1:C:260:CYS:O	2.73	0.42
1:C:337:THR:O	1:C:341:TRP:CE3	2.73	0.42
1:C:492:LEU:HD23	1:C:492:LEU:HA	1.46	0.42
1:D:24:VAL:CG2	1:D:27:PHE:CE2	2.94	0.42
1:D:152:VAL:CG1	1:D:153:LEU:N	2.82	0.42
1:D:192:VAL:CG1	1:D:251:LYS:CD	2.94	0.42
1:D:207:TRP:N	1:D:207:TRP:CD1	2.83	0.42
1:D:256:PHE:CE2	1:D:260:CYS:O	2.73	0.42
1:D:300:LEU:CD1	1:D:301:LEU:N	2.82	0.42
1:D:360:LEU:HD12	1:D:360:LEU:N	2.34	0.42
1:D:365:TYR:CD2	1:D:401:VAL:CG1	3.02	0.42
1:D:398:VAL:CG2	1:D:399:MET:N	2.82	0.42
1:E:32:VAL:N	1:E:45:ILE:CD1	2.83	0.42
1:E:123:TYR:CD1	1:E:304:TYR:N	2.88	0.42
1:E:268:PHE:HD1	1:E:268:PHE:HA	1.62	0.42
1:E:384:ILE:CG2	1:E:385:LEU:N	2.82	0.42
1:E:390:TRP:CD2	1:E:402:VAL:HG12	2.54	0.42
1:E:443:ILE:CG2	1:E:444:VAL:N	2.83	0.42
1:E:480:HIS:N	1:E:481:PRO:HD2	2.34	0.42
1:E:483:ARG:HE	1:E:527:TYR:HB2	1.79	0.42
1:E:1068:UNK:HA	1:E:1072:UNK:HA	2.00	0.42
1:E:1251:UNK:O	1:E:1252:UNK:C	2.68	0.42
1:F:87:PHE:CZ	1:N:87:PHE:CE2	3.06	0.42
1:F:132:LEU:O	1:F:135:ARG:HD3	2.20	0.42
1:F:148:LEU:HD21	1:F:264:LEU:HD13	1.99	0.42
1:F:256:PHE:CE2	1:F:260:CYS:O	2.73	0.42
1:F:360:LEU:HD12	1:F:360:LEU:N	2.34	0.42
1:F:376:PRO:HD2	1:F:470:HIS:HD2	1.84	0.42
1:G:20:GLU:O	1:G:23:PHE:N	2.53	0.42
1:G:132:LEU:CD1	1:G:135:ARG:CZ	2.97	0.42
1:G:256:PHE:CE2	1:G:260:CYS:O	2.73	0.42
1:G:368:MET:CB	1:G:390:TRP:CE2	2.94	0.42
1:G:563:ARG:HH11	1:G:1039:UNK:CB	2.33	0.42
1:H:132:LEU:O	1:H:135:ARG:HD3	2.20	0.42
1:H:300:LEU:HD12	1:H:300:LEU:C	2.39	0.42
1:H:308:ARG:HH12	1:H:310:GLN:HB2	1.85	0.42
1:H:527:TYR:HD1	1:H:527:TYR:HA	1.68	0.42
1:H:551:GLU:OE1	1:H:551:GLU:HA	2.20	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:557:LYS:N	1:H:597:UNK:CB	2.81	0.42
1:H:557:LYS:CB	1:H:597:UNK:N	2.71	0.42
1:I:123:TYR:CD1	1:I:304:TYR:N	2.88	0.42
1:I:268:PHE:HZ	1:I:407:LYS:HB3	1.84	0.42
1:I:365:TYR:CD2	1:I:401:VAL:CG1	3.02	0.42
1:I:390:TRP:CD2	1:I:402:VAL:HG12	2.54	0.42
1:I:1251:UNK:O	1:I:1252:UNK:C	2.68	0.42
1:J:110:ARG:CG	1:J:114:TYR:CE2	2.95	0.42
1:J:221:ILE:CG1	1:J:222:HIS:N	2.82	0.42
1:J:228:LEU:CD2	1:J:232:LEU:CD1	2.94	0.42
1:J:249:ASN:O	1:J:253:TRP:HD1	2.01	0.42
1:J:290:MET:HG3	1:J:291:THR:N	2.34	0.42
1:J:549:ILE:O	1:J:549:ILE:HG23	2.19	0.42
1:K:256:PHE:CE2	1:K:260:CYS:O	2.73	0.42
1:K:322:ARG:NH2	1:K:326:ILE:HB	2.33	0.42
1:K:337:THR:O	1:K:341:TRP:CE3	2.73	0.42
1:K:357:LEU:CD2	1:K:366:ARG:CD	2.95	0.42
1:K:365:TYR:CD2	1:K:401:VAL:CG1	3.02	0.42
1:K:462:TYR:HE2	1:K:494:PHE:CE1	2.37	0.42
1:K:549:ILE:O	1:K:549:ILE:HG23	2.19	0.42
1:K:1020:UNK:CB	1:K:1022:UNK:N	2.82	0.42
1:L:164:VAL:CG1	1:L:165:CYS:N	2.83	0.42
1:L:253:TRP:CE2	1:L:271:VAL:HG11	2.53	0.42
1:L:415:PRO:HD2	1:L:419:THR:O	2.18	0.42
1:L:443:ILE:CG2	1:L:444:VAL:N	2.83	0.42
1:L:591:UNK:CB	1:L:1321:UNK:CA	2.94	0.42
1:M:123:TYR:CD1	1:M:304:TYR:N	2.88	0.42
1:M:152:VAL:CG1	1:M:153:LEU:N	2.82	0.42
1:M:178:ILE:HG13	1:M:241:LEU:HD23	2.01	0.42
1:M:390:TRP:CD2	1:M:402:VAL:HG12	2.54	0.42
1:M:458:LEU:HD12	1:M:580:GLN:HE21	1.84	0.42
1:N:3:PHE:CZ	1:O:281:THR:CG2	2.97	0.42
1:N:48:ILE:HG23	1:N:57:GLY:O	2.19	0.42
1:N:132:LEU:O	1:N:135:ARG:HD3	2.20	0.42
1:N:259:SER:HB3	1:N:260:CYS:H	1.49	0.42
1:N:308:ARG:HH12	1:N:310:GLN:HB2	1.85	0.42
1:N:557:LYS:CB	1:N:597:UNK:N	2.71	0.42
1:O:48:ILE:HG23	1:O:57:GLY:O	2.19	0.42
1:O:153:LEU:O	1:O:153:LEU:HD22	2.19	0.42
1:O:256:PHE:CE2	1:O:260:CYS:O	2.73	0.42
1:O:353:ILE:HG21	1:O:430:LYS:CD	2.46	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:85:TYR:CD2	1:P:88:LEU:HB2	2.55	0.42
1:P:256:PHE:CE2	1:P:260:CYS:O	2.73	0.42
1:P:376:PRO:HD2	1:P:470:HIS:HD2	1.84	0.42
1:P:462:TYR:HE2	1:P:494:PHE:CE1	2.37	0.42
1:A:39:ILE:HD12	1:A:39:ILE:HA	1.70	0.42
1:A:114:TYR:CE1	1:H:280:THR:CB	2.90	0.42
1:A:164:VAL:HG13	1:A:165:CYS:N	2.34	0.42
1:A:244:LEU:HB2	1:A:247:VAL:CG2	2.49	0.42
1:A:443:ILE:CG1	1:A:478:ILE:HG22	2.41	0.42
1:A:458:LEU:HD12	1:A:580:GLN:HE21	1.84	0.42
1:B:24:VAL:CG2	1:B:27:PHE:CE2	2.94	0.42
1:B:178:ILE:HG13	1:B:241:LEU:HD23	2.01	0.42
1:B:182:ASN:OD1	1:B:246:ASN:HB3	2.19	0.42
1:B:244:LEU:CD2	1:B:262:ILE:CD1	2.94	0.42
1:B:244:LEU:HB2	1:B:247:VAL:CG2	2.49	0.42
1:B:256:PHE:HE2	1:B:262:ILE:N	2.17	0.42
1:B:268:PHE:HZ	1:B:407:LYS:HB3	1.84	0.42
1:B:300:LEU:CD1	1:B:301:LEU:N	2.82	0.42
1:B:402:VAL:CG2	1:B:403:ASN:N	2.81	0.42
1:B:462:TYR:HE2	1:B:494:PHE:CE1	2.37	0.42
1:B:463:LEU:N	1:B:463:LEU:CD1	2.81	0.42
1:B:973:UNK:HA	1:B:986:UNK:O	2.19	0.42
1:C:19:PHE:CE2	1:K:87:PHE:CG	2.97	0.42
1:C:40:LEU:O	1:C:41:SER:C	2.58	0.42
1:C:153:LEU:O	1:C:153:LEU:HD22	2.19	0.42
1:C:192:VAL:CG1	1:C:251:LYS:CD	2.94	0.42
1:C:357:LEU:CD2	1:C:366:ARG:CD	2.95	0.42
1:D:24:VAL:CG1	1:D:25:ASP:N	2.82	0.42
1:D:123:TYR:CD1	1:D:304:TYR:N	2.88	0.42
1:D:221:ILE:CG1	1:D:222:HIS:N	2.82	0.42
1:D:249:ASN:O	1:D:253:TRP:HD1	2.01	0.42
1:D:259:SER:HB3	1:D:260:CYS:H	1.49	0.42
1:D:408:TYR:HB2	1:D:411:VAL:HG22	2.02	0.42
1:E:3:PHE:HB3	1:E:7:GLU:OE2	2.20	0.42
1:E:87:PHE:CE1	1:M:87:PHE:CZ	3.06	0.42
1:E:120:PHE:CE1	1:E:122:LYS:CD	2.95	0.42
1:E:149:ILE:HG21	1:E:149:ILE:HD13	1.40	0.42
1:E:203:ILE:CG2	1:E:204:ASP:N	2.82	0.42
1:E:244:LEU:HB2	1:E:247:VAL:CG2	2.49	0.42
1:E:256:PHE:CE2	1:E:260:CYS:O	2.73	0.42
1:E:314:ARG:CZ	1:E:341:TRP:HH2	2.32	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:365:TYR:CD2	1:E:401:VAL:CG1	3.02	0.42
1:E:410:LEU:CB	1:E:423:PRO:HB2	2.47	0.42
1:E:487:PHE:HE2	1:E:523:PHE:HB3	1.83	0.42
1:E:528:ILE:CD1	1:E:529:CYS:N	2.82	0.42
1:F:390:TRP:HD1	1:F:398:VAL:CB	2.30	0.42
1:F:462:TYR:HE2	1:F:494:PHE:CE1	2.37	0.42
1:F:469:SER:O	1:F:523:PHE:CE1	2.73	0.42
1:G:125:VAL:CG2	1:G:297:VAL:N	2.83	0.42
1:G:152:VAL:CG1	1:G:153:LEU:N	2.82	0.42
1:G:203:ILE:CG2	1:G:204:ASP:N	2.82	0.42
1:G:256:PHE:CD2	1:G:262:ILE:HG13	2.46	0.42
1:G:268:PHE:HD1	1:G:268:PHE:HA	1.62	0.42
1:G:408:TYR:HB2	1:G:411:VAL:HG22	2.02	0.42
1:G:488:ARG:CD	1:G:494:PHE:HB2	2.29	0.42
1:H:85:TYR:CD2	1:H:88:LEU:HB2	2.55	0.42
1:H:87:PHE:CE2	1:P:87:PHE:CZ	3.06	0.42
1:H:123:TYR:CD1	1:H:304:TYR:N	2.88	0.42
1:H:125:VAL:CG2	1:H:296:GLU:HG3	2.44	0.42
1:H:129:GLN:HB2	1:H:130:PRO:CD	2.44	0.42
1:H:192:VAL:CG2	1:H:193:LEU:N	2.82	0.42
1:H:256:PHE:HE2	1:H:262:ILE:N	2.17	0.42
1:H:410:LEU:CA	1:H:423:PRO:CB	2.97	0.42
1:H:538:LEU:CD1	1:H:572:ALA:CB	2.93	0.42
1:I:24:VAL:CG1	1:I:25:ASP:N	2.82	0.42
1:I:32:VAL:N	1:I:45:ILE:CD1	2.83	0.42
1:I:152:VAL:CG1	1:I:153:LEU:N	2.82	0.42
1:I:256:PHE:CE2	1:I:260:CYS:O	2.73	0.42
1:I:317:LEU:HA	1:I:318:THR:HA	1.73	0.42
1:I:384:ILE:CG2	1:I:385:LEU:N	2.82	0.42
1:I:443:ILE:CG2	1:I:444:VAL:N	2.83	0.42
1:I:528:ILE:CD1	1:I:529:CYS:N	2.82	0.42
1:J:123:TYR:CD1	1:J:304:TYR:N	2.88	0.42
1:J:126:SER:H	1:J:296:GLU:HG3	1.84	0.42
1:J:152:VAL:CG1	1:J:153:LEU:N	2.82	0.42
1:J:157:LYS:HE3	1:J:265:THR:HB	1.99	0.42
1:J:244:LEU:HB2	1:J:247:VAL:CG2	2.49	0.42
1:J:256:PHE:CE2	1:J:260:CYS:O	2.73	0.42
1:J:408:TYR:HB2	1:J:411:VAL:HG22	2.02	0.42
1:K:20:GLU:O	1:K:23:PHE:N	2.53	0.42
1:K:30:LYS:HE3	1:K:30:LYS:HB2	1.83	0.42
1:K:40:LEU:O	1:K:41:SER:C	2.58	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:302:LEU:CD2	1:K:307:CYS:H	2.33	0.42
1:K:542:ILE:CG2	1:K:573:ILE:CD1	2.94	0.42
1:L:40:LEU:O	1:L:41:SER:C	2.58	0.42
1:L:182:ASN:OD1	1:L:246:ASN:HB3	2.19	0.42
1:L:193:LEU:HD23	1:L:193:LEU:HA	1.78	0.42
1:L:302:LEU:CD2	1:L:307:CYS:H	2.33	0.42
1:L:402:VAL:CG2	1:L:403:ASN:N	2.81	0.42
1:M:256:PHE:HE2	1:M:262:ILE:N	2.17	0.42
1:M:326:ILE:CG2	1:M:327:ILE:N	2.82	0.42
1:M:376:PRO:CG	1:M:470:HIS:CD2	3.03	0.42
1:M:1251:UNK:O	1:M:1252:UNK:C	2.68	0.42
1:N:85:TYR:CD2	1:N:88:LEU:HB2	2.55	0.42
1:N:91:PRO:HA	1:N:94:THR:HG22	2.00	0.42
1:N:123:TYR:CD1	1:N:304:TYR:N	2.88	0.42
1:N:125:VAL:CG2	1:N:296:GLU:HG3	2.44	0.42
1:N:192:VAL:CG2	1:N:193:LEU:N	2.82	0.42
1:N:221:ILE:HD13	1:N:221:ILE:H	1.82	0.42
1:N:256:PHE:HE2	1:N:262:ILE:N	2.17	0.42
1:N:410:LEU:CA	1:N:423:PRO:CB	2.97	0.42
1:N:463:LEU:N	1:N:463:LEU:CD1	2.81	0.42
1:O:3:PHE:CZ	1:P:281:THR:CG2	2.97	0.42
1:O:125:VAL:CG2	1:O:297:VAL:N	2.83	0.42
1:O:132:LEU:O	1:O:135:ARG:HD3	2.20	0.42
1:O:152:VAL:CG1	1:O:153:LEU:N	2.82	0.42
1:O:203:ILE:CG2	1:O:204:ASP:N	2.82	0.42
1:O:372:LEU:HD23	1:O:372:LEU:C	2.38	0.42
1:O:381:ILE:HG21	1:O:381:ILE:HD13	1.60	0.42
1:O:408:TYR:HB2	1:O:411:VAL:HG22	2.02	0.42
1:O:410:LEU:CA	1:O:423:PRO:CB	2.97	0.42
1:O:1020:UNK:CB	1:O:1022:UNK:N	2.82	0.42
1:P:132:LEU:O	1:P:135:ARG:HD3	2.20	0.42
1:P:178:ILE:HG13	1:P:241:LEU:HD23	2.01	0.42
1:P:301:LEU:HD13	1:P:328:ALA:CB	2.45	0.42
1:P:469:SER:O	1:P:523:PHE:CE1	2.73	0.42
1:P:492:LEU:HD23	1:P:492:LEU:HA	1.46	0.42
1:P:549:ILE:HG23	1:P:549:ILE:O	2.19	0.42
1:A:91:PRO:HA	1:A:94:THR:HG22	2.00	0.42
1:A:142:ARG:HB2	1:A:143:PRO:CD	2.43	0.42
1:A:157:LYS:HE3	1:A:265:THR:HB	1.99	0.42
1:A:164:VAL:CG1	1:A:165:CYS:N	2.83	0.42
1:A:178:ILE:HG13	1:A:241:LEU:HD23	2.01	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:256:PHE:HE2	1:A:262:ILE:N	2.17	0.42
1:A:320:ASN:HA	1:A:321:PRO:HD3	1.71	0.42
1:A:476:LYS:CE	1:A:529:CYS:SG	3.07	0.42
1:A:1068:UNK:HA	1:A:1072:UNK:HA	2.00	0.42
1:B:87:PHE:CZ	1:J:87:PHE:CE1	3.06	0.42
1:B:262:ILE:CG2	1:B:264:LEU:CG	2.95	0.42
1:B:302:LEU:CD2	1:B:307:CYS:H	2.33	0.42
1:B:314:ARG:NE	1:B:341:TRP:CH2	2.86	0.42
1:B:376:PRO:CG	1:B:470:HIS:CD2	3.03	0.42
1:B:591:UNK:CB	1:B:1321:UNK:CA	2.94	0.42
1:C:8:HIS:HD2	1:C:103:THR:HG23	1.85	0.42
1:C:20:GLU:O	1:C:23:PHE:N	2.53	0.42
1:C:105:MET:HE2	1:C:106:TYR:CE1	2.54	0.42
1:C:125:VAL:HB	1:C:300:LEU:HB3	2.02	0.42
1:C:164:VAL:CG1	1:C:165:CYS:N	2.83	0.42
1:C:221:ILE:CG1	1:C:222:HIS:N	2.82	0.42
1:C:302:LEU:CD2	1:C:307:CYS:H	2.33	0.42
1:C:365:TYR:CD2	1:C:401:VAL:CG1	3.02	0.42
1:C:471:ILE:CG2	1:C:472:GLY:N	2.83	0.42
1:C:542:ILE:HD12	1:C:543:LEU:CA	2.49	0.42
1:C:549:ILE:O	1:C:549:ILE:HG23	2.19	0.42
1:C:1068:UNK:HA	1:C:1072:UNK:HA	2.00	0.42
1:C:1161:UNK:C	1:C:1163:UNK:N	2.82	0.42
1:D:113:LEU:CD2	1:D:166:LEU:CD1	2.94	0.42
1:D:425:ILE:CG2	1:D:426:TYR:N	2.82	0.42
1:D:443:ILE:CG2	1:D:444:VAL:N	2.83	0.42
1:D:563:ARG:HH11	1:D:1039:UNK:CB	2.32	0.42
1:D:1251:UNK:O	1:D:1252:UNK:C	2.68	0.42
1:E:24:VAL:CG1	1:E:25:ASP:N	2.82	0.42
1:E:152:VAL:CG1	1:E:153:LEU:N	2.82	0.42
1:E:164:VAL:HG13	1:E:165:CYS:N	2.34	0.42
1:E:326:ILE:CG2	1:E:327:ILE:N	2.82	0.42
1:E:353:ILE:CD1	1:E:426:TYR:HE2	2.13	0.42
1:E:469:SER:O	1:E:523:PHE:CE1	2.73	0.42
1:E:519:GLN:CG	1:E:523:PHE:CZ	2.94	0.42
1:F:105:MET:HE1	1:F:106:TYR:CE1	2.54	0.42
1:F:164:VAL:CG1	1:F:165:CYS:N	2.83	0.42
1:F:204:ASP:CG	1:F:235:LYS:HZ1	2.23	0.42
1:F:221:ILE:CG1	1:F:222:HIS:N	2.82	0.42
1:F:256:PHE:CE2	1:F:262:ILE:CB	2.93	0.42
1:F:268:PHE:HZ	1:F:407:LYS:HB3	1.84	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:308:ARG:HH12	1:F:310:GLN:HB2	1.85	0.42
1:F:371:ARG:CB	1:F:389:ILE:CG2	2.93	0.42
1:F:549:ILE:O	1:F:549:ILE:HG23	2.19	0.42
1:G:32:VAL:N	1:G:45:ILE:CD1	2.83	0.42
1:G:48:ILE:HG23	1:G:57:GLY:O	2.19	0.42
1:G:132:LEU:O	1:G:135:ARG:HD3	2.20	0.42
1:G:164:VAL:CG1	1:G:165:CYS:N	2.83	0.42
1:G:192:VAL:CG2	1:G:193:LEU:N	2.82	0.42
1:G:353:ILE:HG21	1:G:430:LYS:CD	2.46	0.42
1:G:381:ILE:HA	1:G:382:PRO:HD2	1.88	0.42
1:G:410:LEU:CA	1:G:423:PRO:CB	2.97	0.42
1:G:469:SER:O	1:G:523:PHE:CE1	2.73	0.42
1:G:1020:UNK:CB	1:G:1022:UNK:N	2.82	0.42
1:H:3:PHE:HB3	1:H:7:GLU:OE2	2.20	0.42
1:H:8:HIS:HD2	1:H:103:THR:HG23	1.85	0.42
1:H:91:PRO:HA	1:H:94:THR:HG22	2.00	0.42
1:H:142:ARG:O	1:H:261:LYS:HD2	2.19	0.42
1:H:150:ASP:N	1:H:287:HIS:CB	2.74	0.42
1:H:157:LYS:HG2	1:H:287:HIS:HD2	1.81	0.42
1:H:262:ILE:HG22	1:H:264:LEU:HD11	1.99	0.42
1:H:475:LEU:HA	1:H:475:LEU:HD23	1.89	0.42
1:H:563:ARG:HH11	1:H:1039:UNK:CB	2.32	0.42
1:I:3:PHE:HB3	1:I:7:GLU:OE2	2.20	0.42
1:I:164:VAL:HG13	1:I:165:CYS:N	2.34	0.42
1:I:203:ILE:CG2	1:I:204:ASP:N	2.82	0.42
1:I:244:LEU:HB2	1:I:247:VAL:CG2	2.49	0.42
1:I:314:ARG:CZ	1:I:341:TRP:HH2	2.32	0.42
1:I:353:ILE:CD1	1:I:426:TYR:HE2	2.13	0.42
1:I:360:LEU:HD12	1:I:360:LEU:N	2.34	0.42
1:I:480:HIS:N	1:I:481:PRO:HD2	2.34	0.42
1:I:536:GLU:O	1:I:539:VAL:HG13	2.19	0.42
1:I:1068:UNK:HA	1:I:1072:UNK:HA	2.00	0.42
1:J:24:VAL:CG1	1:J:25:ASP:N	2.82	0.42
1:J:40:LEU:CG	1:J:64:THR:HG21	2.33	0.42
1:J:85:TYR:CD2	1:J:88:LEU:HB2	2.55	0.42
1:J:443:ILE:CG2	1:J:444:VAL:N	2.83	0.42
1:J:563:ARG:HH11	1:J:1039:UNK:CB	2.32	0.42
1:K:8:HIS:HD2	1:K:103:THR:HG23	1.85	0.42
1:K:105:MET:HE2	1:K:106:TYR:CE1	2.54	0.42
1:K:148:LEU:HD21	1:K:264:LEU:HD13	1.99	0.42
1:K:153:LEU:O	1:K:153:LEU:HD22	2.19	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:164:VAL:CG1	1:K:165:CYS:N	2.83	0.42
1:K:221:ILE:CG1	1:K:222:HIS:N	2.82	0.42
1:K:256:PHE:HE2	1:K:262:ILE:N	2.17	0.42
1:K:542:ILE:HD12	1:K:543:LEU:CA	2.50	0.42
1:K:1068:UNK:HA	1:K:1072:UNK:HA	2.00	0.42
1:L:244:LEU:HB2	1:L:247:VAL:CG2	2.49	0.42
1:L:246:ASN:H	1:L:265:THR:HG1	1.67	0.42
1:L:256:PHE:HE2	1:L:262:ILE:N	2.17	0.42
1:L:262:ILE:CG2	1:L:264:LEU:CG	2.95	0.42
1:L:268:PHE:HZ	1:L:407:LYS:HB3	1.84	0.42
1:L:314:ARG:NE	1:L:341:TRP:CH2	2.86	0.42
1:L:365:TYR:CD2	1:L:401:VAL:CG1	3.02	0.42
1:M:91:PRO:HA	1:M:94:THR:HG22	2.00	0.42
1:M:114:TYR:CE1	1:N:280:THR:CB	2.90	0.42
1:M:164:VAL:HG13	1:M:165:CYS:N	2.34	0.42
1:M:249:ASN:O	1:M:253:TRP:HD1	2.01	0.42
1:M:320:ASN:HA	1:M:321:PRO:HD3	1.71	0.42
1:M:476:LYS:CE	1:M:529:CYS:SG	3.07	0.42
1:M:557:LYS:N	1:M:597:UNK:CB	2.81	0.42
1:N:8:HIS:HD2	1:N:103:THR:HG23	1.85	0.42
1:N:125:VAL:CG1	1:N:300:LEU:CD2	2.94	0.42
1:N:148:LEU:HD22	1:N:148:LEU:HA	1.63	0.42
1:N:152:VAL:CG1	1:N:153:LEU:N	2.82	0.42
1:N:300:LEU:HD12	1:N:300:LEU:C	2.39	0.42
1:N:314:ARG:CZ	1:N:341:TRP:HH2	2.32	0.42
1:N:536:GLU:O	1:N:539:VAL:HG13	2.19	0.42
1:O:32:VAL:N	1:O:45:ILE:CD1	2.83	0.42
1:O:164:VAL:CG1	1:O:165:CYS:N	2.83	0.42
1:O:268:PHE:HZ	1:O:407:LYS:HB3	1.84	0.42
1:O:469:SER:O	1:O:523:PHE:CE1	2.73	0.42
1:O:974:UNK:O	1:O:985:UNK:HA	2.20	0.42
1:P:148:LEU:HD21	1:P:264:LEU:HD13	1.99	0.42
1:P:204:ASP:CG	1:P:235:LYS:HZ1	2.23	0.42
1:P:216:ASN:HD21	1:P:216:ASN:N	2.09	0.42
1:P:235:LYS:HB2	1:P:237:TYR:HE2	1.78	0.42
1:P:308:ARG:HH12	1:P:310:GLN:HB2	1.85	0.42
1:P:371:ARG:CB	1:P:389:ILE:CG2	2.93	0.42
1:P:408:TYR:HB2	1:P:411:VAL:HG22	2.02	0.42
1:A:164:VAL:O	1:A:168:TYR:CD2	2.73	0.42
1:A:253:TRP:HE3	1:A:275:LEU:CB	2.31	0.42
1:A:497:LEU:O	1:A:501:ILE:HG23	2.20	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:557:LYS:N	1:A:597:UNK:CB	2.81	0.42
1:B:19:PHE:CD1	1:B:19:PHE:C	2.93	0.42
1:B:125:VAL:CG2	1:B:297:VAL:N	2.83	0.42
1:B:183:LEU:CD2	1:B:183:LEU:N	2.83	0.42
1:B:246:ASN:H	1:B:265:THR:HG1	1.67	0.42
1:B:249:ASN:O	1:B:253:TRP:HD1	2.01	0.42
1:B:365:TYR:CD2	1:B:401:VAL:CG1	3.02	0.42
1:B:495:ARG:NE	1:B:561:LEU:HD12	2.21	0.42
1:B:499:GLN:HG2	1:B:554:ILE:CG1	2.50	0.42
1:B:509:ASN:CA	1:B:648:UNK:N	2.74	0.42
1:B:1068:UNK:HA	1:B:1072:UNK:HA	2.00	0.42
1:C:327:ILE:HG22	1:C:331:ILE:CD1	2.44	0.42
1:C:376:PRO:CG	1:C:470:HIS:CD2	3.03	0.42
1:C:458:LEU:HD12	1:C:580:GLN:HE21	1.84	0.42
1:C:511:SER:HB3	1:C:646:UNK:HA	2.02	0.42
1:C:542:ILE:CG2	1:C:573:ILE:CD1	2.94	0.42
1:D:85:TYR:CD2	1:D:88:LEU:HB2	2.55	0.42
1:D:126:SER:H	1:D:296:GLU:HG3	1.84	0.42
1:D:228:LEU:CD2	1:D:232:LEU:CD1	2.94	0.42
1:D:244:LEU:HB2	1:D:247:VAL:CG2	2.49	0.42
1:D:256:PHE:HE2	1:D:262:ILE:N	2.17	0.42
1:D:364:GLU:CD	1:D:401:VAL:HG21	2.39	0.42
1:D:449:ILE:HD11	1:D:453:PHE:CE1	2.55	0.42
1:D:466:TYR:CE1	1:D:470:HIS:HB2	2.55	0.42
1:D:499:GLN:HG2	1:D:554:ILE:CG1	2.50	0.42
1:D:536:GLU:O	1:D:539:VAL:HG13	2.19	0.42
1:E:107:ILE:HG23	1:E:108:GLU:N	2.35	0.42
1:E:337:THR:O	1:E:341:TRP:CE3	2.73	0.42
1:E:494:PHE:CE2	1:E:498:GLU:HB2	2.55	0.42
1:E:536:GLU:O	1:E:539:VAL:HG13	2.19	0.42
1:F:3:PHE:HB3	1:F:7:GLU:OE2	2.20	0.42
1:F:19:PHE:HB2	1:F:88:LEU:HD11	1.98	0.42
1:F:281:THR:CG2	1:G:3:PHE:CZ	2.97	0.42
1:F:365:TYR:CD2	1:F:401:VAL:CG1	3.02	0.42
1:F:384:ILE:CG2	1:F:463:LEU:HD22	2.39	0.42
1:F:408:TYR:HB2	1:F:411:VAL:HG22	2.02	0.42
1:F:484:MET:HA	1:F:489:MET:HE1	1.98	0.42
1:F:974:UNK:O	1:F:985:UNK:HA	2.20	0.42
1:G:40:LEU:O	1:G:41:SER:C	2.58	0.42
1:G:246:ASN:H	1:G:265:THR:HG1	1.68	0.42
1:G:268:PHE:HZ	1:G:407:LYS:HB3	1.84	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:281:THR:CG2	1:H:3:PHE:CZ	2.97	0.42
1:G:372:LEU:HD23	1:G:372:LEU:C	2.38	0.42
1:G:450:PRO:CG	1:G:471:ILE:HD13	2.49	0.42
1:G:542:ILE:HD12	1:G:543:LEU:CA	2.49	0.42
1:G:974:UNK:O	1:G:985:UNK:HA	2.20	0.42
1:H:125:VAL:CG2	1:H:297:VAL:N	2.83	0.42
1:H:126:SER:H	1:H:296:GLU:HG3	1.84	0.42
1:H:164:VAL:O	1:H:168:TYR:CD2	2.73	0.42
1:H:314:ARG:CZ	1:H:341:TRP:HH2	2.32	0.42
1:H:449:ILE:HD11	1:H:453:PHE:CE1	2.55	0.42
1:H:536:GLU:O	1:H:539:VAL:HG13	2.19	0.42
1:I:297:VAL:HG13	1:I:300:LEU:CD2	2.47	0.42
1:I:326:ILE:CG2	1:I:327:ILE:N	2.82	0.42
1:I:469:SER:O	1:I:523:PHE:CE1	2.73	0.42
1:I:494:PHE:CE2	1:I:498:GLU:HB2	2.55	0.42
1:J:145:LYS:HZ3	1:J:261:LYS:HE3	1.84	0.42
1:J:302:LEU:CD2	1:J:307:CYS:H	2.33	0.42
1:J:364:GLU:CD	1:J:401:VAL:HG21	2.39	0.42
1:J:425:ILE:CG2	1:J:426:TYR:N	2.82	0.42
1:J:466:TYR:CE1	1:J:470:HIS:HB2	2.55	0.42
1:J:499:GLN:HG2	1:J:554:ILE:CG1	2.50	0.42
1:J:536:GLU:O	1:J:539:VAL:HG13	2.19	0.42
1:J:1251:UNK:O	1:J:1252:UNK:C	2.68	0.42
1:K:125:VAL:HB	1:K:300:LEU:HB3	2.02	0.42
1:K:381:ILE:HG21	1:K:381:ILE:HD13	1.60	0.42
1:K:458:LEU:HD12	1:K:580:GLN:HE21	1.84	0.42
1:K:471:ILE:CG2	1:K:472:GLY:N	2.83	0.42
1:K:511:SER:HB3	1:K:646:UNK:HA	2.02	0.42
1:K:1161:UNK:C	1:K:1163:UNK:N	2.82	0.42
1:L:19:PHE:CD1	1:L:19:PHE:C	2.93	0.42
1:L:85:TYR:CD2	1:L:88:LEU:HB2	2.55	0.42
1:L:125:VAL:HB	1:L:300:LEU:HB3	2.02	0.42
1:L:125:VAL:CG2	1:L:297:VAL:N	2.83	0.42
1:L:178:ILE:HG13	1:L:241:LEU:HD23	2.01	0.42
1:L:183:LEU:CD2	1:L:183:LEU:N	2.83	0.42
1:L:376:PRO:CG	1:L:470:HIS:CD2	3.03	0.42
1:L:462:TYR:HE2	1:L:494:PHE:CE1	2.37	0.42
1:L:469:SER:O	1:L:523:PHE:CE1	2.73	0.42
1:L:499:GLN:HG2	1:L:554:ILE:CG1	2.50	0.42
1:L:1068:UNK:HA	1:L:1072:UNK:HA	2.00	0.42
1:L:1251:UNK:O	1:L:1252:UNK:C	2.68	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:164:VAL:O	1:M:168:TYR:CD2	2.73	0.42
1:M:244:LEU:HB2	1:M:247:VAL:CG2	2.49	0.42
1:N:125:VAL:CG2	1:N:297:VAL:N	2.83	0.42
1:N:164:VAL:O	1:N:168:TYR:CD2	2.73	0.42
1:N:179:PHE:HE1	1:N:240:CYS:HG	1.67	0.42
1:N:217:ILE:HG23	1:N:218:LYS:N	2.34	0.42
1:N:563:ARG:HH11	1:N:1039:UNK:CB	2.32	0.42
1:O:192:VAL:CG2	1:O:193:LEU:N	2.82	0.42
1:O:221:ILE:CG1	1:O:222:HIS:N	2.82	0.42
1:O:462:TYR:HE2	1:O:494:PHE:CE1	2.37	0.42
1:O:1161:UNK:C	1:O:1163:UNK:N	2.82	0.42
1:P:3:PHE:HB3	1:P:7:GLU:OE2	2.20	0.42
1:P:164:VAL:CG1	1:P:165:CYS:N	2.83	0.42
1:P:221:ILE:CG1	1:P:222:HIS:N	2.82	0.42
1:P:361:GLU:CG	1:P:365:TYR:CD1	2.95	0.42
1:P:390:TRP:HD1	1:P:398:VAL:CB	2.30	0.42
1:P:489:MET:SD	1:P:539:VAL:HB	2.60	0.42
1:A:109:GLN:HG3	1:A:172:CYS:SG	2.60	0.42
1:A:249:ASN:O	1:A:253:TRP:HD1	2.01	0.42
1:A:369:PHE:HZ	1:A:427:LEU:CD2	2.31	0.42
1:B:85:TYR:CD2	1:B:88:LEU:HB2	2.55	0.42
1:B:125:VAL:HB	1:B:300:LEU:HB3	2.02	0.42
1:B:153:LEU:O	1:B:153:LEU:HD22	2.19	0.42
1:B:469:SER:O	1:B:523:PHE:CE1	2.73	0.42
1:B:497:LEU:O	1:B:501:ILE:HG23	2.20	0.42
1:B:523:PHE:O	1:B:527:TYR:CD2	2.73	0.42
1:B:538:LEU:CD1	1:B:572:ALA:HB3	2.42	0.42
1:B:561:LEU:HA	1:B:564:ILE:HD13	2.01	0.42
1:B:1251:UNK:O	1:B:1252:UNK:C	2.68	0.42
1:C:87:PHE:CZ	1:K:87:PHE:CE1	3.06	0.42
1:C:256:PHE:HE2	1:C:262:ILE:N	2.17	0.42
1:C:523:PHE:O	1:C:527:TYR:CD2	2.73	0.42
1:D:87:PHE:CE1	1:L:87:PHE:CZ	3.06	0.42
1:D:107:ILE:HG23	1:D:108:GLU:N	2.35	0.42
1:D:110:ARG:CG	1:D:114:TYR:CE2	2.95	0.42
1:D:128:LEU:H	1:D:128:LEU:CD1	2.31	0.42
1:D:183:LEU:CD2	1:D:183:LEU:N	2.83	0.42
1:D:246:ASN:H	1:D:265:THR:HG1	1.67	0.42
1:D:302:LEU:CD2	1:D:307:CYS:H	2.33	0.42
1:D:376:PRO:CG	1:D:470:HIS:CD2	3.03	0.42
1:E:132:LEU:O	1:E:135:ARG:HD3	2.20	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:297:VAL:HG13	1:E:300:LEU:CD2	2.47	0.42
1:E:360:LEU:HD12	1:E:360:LEU:N	2.34	0.42
1:F:125:VAL:CG2	1:F:297:VAL:N	2.83	0.42
1:F:489:MET:SD	1:F:539:VAL:HB	2.60	0.42
1:F:538:LEU:CD1	1:F:572:ALA:HB3	2.42	0.42
1:G:94:THR:HG23	1:G:95:GLU:N	2.35	0.42
1:G:200:LEU:CD2	1:G:208:THR:CG2	2.93	0.42
1:G:221:ILE:CG1	1:G:222:HIS:N	2.82	0.42
1:G:262:ILE:CG2	1:G:264:LEU:CG	2.95	0.42
1:G:425:ILE:CG2	1:G:426:TYR:N	2.83	0.42
1:G:462:TYR:HE2	1:G:494:PHE:CE1	2.37	0.42
1:G:1161:UNK:C	1:G:1163:UNK:N	2.82	0.42
1:H:19:PHE:HB2	1:H:88:LEU:HD11	1.98	0.42
1:H:125:VAL:CG1	1:H:300:LEU:CD2	2.94	0.42
1:H:217:ILE:HG23	1:H:218:LYS:N	2.34	0.42
1:H:376:PRO:CG	1:H:470:HIS:CD2	3.03	0.42
1:H:497:LEU:O	1:H:501:ILE:HG23	2.20	0.42
1:I:107:ILE:HG23	1:I:108:GLU:N	2.35	0.42
1:I:120:PHE:CE1	1:I:122:LYS:CD	2.95	0.42
1:I:337:THR:O	1:I:341:TRP:CE3	2.73	0.42
1:J:107:ILE:HG23	1:J:108:GLU:N	2.35	0.42
1:J:183:LEU:CD2	1:J:183:LEU:N	2.83	0.42
1:J:256:PHE:HE2	1:J:262:ILE:N	2.17	0.42
1:J:449:ILE:HD11	1:J:453:PHE:CE1	2.55	0.42
1:J:480:HIS:N	1:J:481:PRO:HD2	2.34	0.42
1:J:536:GLU:HA	1:J:539:VAL:CG1	2.48	0.42
1:K:376:PRO:CG	1:K:470:HIS:CD2	3.03	0.42
1:K:484:MET:HE3	1:K:535:TYR:HE1	1.83	0.42
1:K:523:PHE:O	1:K:527:TYR:CD2	2.73	0.42
1:K:563:ARG:HH11	1:K:1039:UNK:CB	2.33	0.42
1:L:475:LEU:HA	1:L:475:LEU:HD23	1.89	0.42
1:L:509:ASN:CA	1:L:648:UNK:N	2.74	0.42
1:M:157:LYS:HE3	1:M:265:THR:HB	1.99	0.42
1:M:164:VAL:CG1	1:M:165:CYS:N	2.83	0.42
1:M:225:GLN:HE21	1:M:225:GLN:HB2	1.72	0.42
1:M:302:LEU:CD2	1:M:307:CYS:H	2.33	0.42
1:M:357:LEU:HD11	1:M:366:ARG:CD	2.27	0.42
1:M:443:ILE:CG2	1:M:444:VAL:N	2.83	0.42
1:M:497:LEU:O	1:M:501:ILE:HG23	2.20	0.42
1:M:1068:UNK:HA	1:M:1072:UNK:HA	2.00	0.42
1:N:3:PHE:HB3	1:N:7:GLU:OE2	2.20	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:60:ARG:HD3	1:N:60:ARG:HA	1.89	0.42
1:N:126:SER:H	1:N:296:GLU:HG3	1.84	0.42
1:N:142:ARG:O	1:N:261:LYS:HD2	2.19	0.42
1:N:268:PHE:HZ	1:N:407:LYS:HB3	1.84	0.42
1:N:376:PRO:CG	1:N:470:HIS:CD2	3.03	0.42
1:N:449:ILE:HD11	1:N:453:PHE:CE1	2.55	0.42
1:N:497:LEU:O	1:N:501:ILE:HG23	2.20	0.42
1:N:538:LEU:CD1	1:N:572:ALA:CB	2.93	0.42
1:O:40:LEU:O	1:O:41:SER:C	2.58	0.42
1:O:94:THR:HG23	1:O:95:GLU:N	2.35	0.42
1:O:142:ARG:O	1:O:261:LYS:HD2	2.19	0.42
1:O:178:ILE:HG13	1:O:241:LEU:HD23	2.01	0.42
1:O:183:LEU:CD2	1:O:183:LEU:N	2.83	0.42
1:O:246:ASN:H	1:O:265:THR:HG1	1.68	0.42
1:O:256:PHE:CD2	1:O:262:ILE:HG13	2.46	0.42
1:O:337:THR:O	1:O:341:TRP:CE3	2.73	0.42
1:O:425:ILE:CG2	1:O:426:TYR:N	2.83	0.42
1:O:450:PRO:CG	1:O:471:ILE:HD13	2.49	0.42
1:O:466:TYR:CE1	1:O:470:HIS:HB2	2.55	0.42
1:P:32:VAL:N	1:P:45:ILE:CD1	2.83	0.42
1:P:105:MET:HE1	1:P:106:TYR:CE1	2.54	0.42
1:P:125:VAL:CG2	1:P:297:VAL:N	2.83	0.42
1:P:207:TRP:HB3	1:P:210:ARG:NE	2.35	0.42
1:P:268:PHE:HZ	1:P:407:LYS:HB3	1.84	0.42
1:P:974:UNK:O	1:P:985:UNK:HA	2.20	0.42
1:A:113:LEU:CD2	1:A:166:LEU:CD1	2.94	0.42
1:A:302:LEU:CD2	1:A:307:CYS:H	2.33	0.42
1:A:314:ARG:NE	1:A:341:TRP:CH2	2.86	0.42
1:A:443:ILE:CG2	1:A:444:VAL:N	2.83	0.42
1:A:449:ILE:HD11	1:A:453:PHE:CE1	2.55	0.42
1:A:469:SER:O	1:A:523:PHE:CE1	2.73	0.42
1:A:523:PHE:O	1:A:527:TYR:CD2	2.73	0.42
1:B:164:VAL:HG13	1:B:165:CYS:N	2.34	0.42
1:B:253:TRP:CE3	1:B:275:LEU:HB2	2.55	0.42
1:B:290:MET:HG3	1:B:291:THR:N	2.34	0.42
1:B:374:VAL:CG1	1:B:446:HIS:CE1	3.03	0.42
1:B:410:LEU:CA	1:B:423:PRO:CB	2.97	0.42
1:B:563:ARG:HH11	1:B:1039:UNK:CB	2.32	0.42
1:C:87:PHE:CE1	1:K:87:PHE:CZ	3.06	0.42
1:C:120:PHE:CE1	1:C:122:LYS:CD	2.95	0.42
1:C:304:TYR:HH	3:C:1402:DTP:C2	2.33	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:425:ILE:CG2	1:C:426:TYR:N	2.83	0.42
1:C:563:ARG:HH11	1:C:1039:UNK:CB	2.33	0.42
1:D:20:GLU:HA	1:D:85:TYR:HH	1.84	0.42
1:D:193:LEU:CD2	1:D:221:ILE:HA	2.32	0.42
1:D:253:TRP:CE3	1:D:275:LEU:HB2	2.55	0.42
1:D:471:ILE:HG23	1:D:472:GLY:H	1.84	0.42
1:D:480:HIS:N	1:D:481:PRO:HD2	2.34	0.42
1:D:489:MET:SD	1:D:539:VAL:HB	2.60	0.42
1:D:492:LEU:HD22	1:D:492:LEU:C	2.37	0.42
1:D:536:GLU:HA	1:D:539:VAL:CG1	2.48	0.42
1:E:200:LEU:HD23	1:E:200:LEU:HA	1.89	0.42
1:E:393:VAL:CG1	1:E:394:ILE:N	2.83	0.42
1:E:466:TYR:CE1	1:E:470:HIS:HB2	2.55	0.42
1:E:489:MET:SD	1:E:539:VAL:HB	2.60	0.42
1:E:1182:UNK:C	1:E:1184:UNK:N	2.83	0.42
1:F:32:VAL:N	1:F:45:ILE:CD1	2.83	0.42
1:F:80:VAL:CG1	1:F:81:LEU:N	2.82	0.42
1:F:152:VAL:CG1	1:F:153:LEU:N	2.82	0.42
1:F:207:TRP:HB3	1:F:210:ARG:NE	2.35	0.42
1:F:235:LYS:HB2	1:F:237:TYR:HE2	1.78	0.42
1:F:563:ARG:HH11	1:F:1039:UNK:CB	2.32	0.42
1:G:24:VAL:CG1	1:G:25:ASP:N	2.82	0.42
1:G:109:GLN:HG3	1:G:172:CYS:SG	2.60	0.42
1:G:142:ARG:O	1:G:261:LYS:HD2	2.19	0.42
1:G:183:LEU:CD2	1:G:183:LEU:N	2.83	0.42
1:G:326:ILE:CG2	1:G:327:ILE:N	2.82	0.42
1:G:337:THR:O	1:G:341:TRP:CE3	2.73	0.42
1:G:466:TYR:CE1	1:G:470:HIS:HB2	2.55	0.42
1:G:487:PHE:O	1:G:488:ARG:C	2.57	0.42
1:G:973:UNK:HA	1:G:986:UNK:O	2.19	0.42
1:H:60:ARG:HD3	1:H:60:ARG:HA	1.89	0.42
1:H:87:PHE:CZ	1:P:87:PHE:CE2	3.06	0.42
1:H:268:PHE:CZ	1:H:407:LYS:HB3	2.55	0.42
1:H:398:VAL:CG2	1:H:399:MET:N	2.82	0.42
1:H:443:ILE:CG2	1:H:444:VAL:N	2.83	0.42
1:I:94:THR:HG23	1:I:95:GLU:N	2.35	0.42
1:I:132:LEU:O	1:I:135:ARG:HD3	2.20	0.42
1:I:183:LEU:CD2	1:I:183:LEU:N	2.83	0.42
1:I:302:LEU:CD2	1:I:307:CYS:H	2.33	0.42
1:I:304:TYR:HH	3:I:1402:DTP:C2	2.32	0.42
1:I:466:TYR:CE1	1:I:470:HIS:HB2	2.55	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:489:MET:SD	1:I:539:VAL:HB	2.60	0.42
1:I:1182:UNK:C	1:I:1184:UNK:N	2.83	0.42
1:J:113:LEU:CD2	1:J:166:LEU:CD1	2.94	0.42
1:J:125:VAL:HB	1:J:300:LEU:HB3	2.02	0.42
1:J:164:VAL:CG1	1:J:165:CYS:N	2.83	0.42
1:J:193:LEU:CD2	1:J:221:ILE:HA	2.32	0.42
1:J:253:TRP:CE3	1:J:275:LEU:HB2	2.55	0.42
1:J:376:PRO:CG	1:J:470:HIS:CD2	3.03	0.42
1:J:489:MET:SD	1:J:539:VAL:HB	2.60	0.42
1:K:94:THR:HG23	1:K:95:GLU:N	2.35	0.42
1:K:304:TYR:HH	3:K:1402:DTP:C2	2.33	0.42
1:K:510:ALA:N	1:K:648:UNK:N	2.67	0.42
1:L:153:LEU:O	1:L:153:LEU:HD22	2.19	0.42
1:L:164:VAL:HG13	1:L:165:CYS:N	2.34	0.42
1:L:249:ASN:O	1:L:253:TRP:HD1	2.01	0.42
1:L:253:TRP:CE3	1:L:275:LEU:HB2	2.55	0.42
1:L:300:LEU:CD1	1:L:301:LEU:N	2.82	0.42
1:L:374:VAL:CG1	1:L:446:HIS:CE1	3.03	0.42
1:L:398:VAL:CG2	1:L:399:MET:N	2.82	0.42
1:L:410:LEU:CA	1:L:423:PRO:CB	2.97	0.42
1:L:497:LEU:O	1:L:501:ILE:HG23	2.20	0.42
1:L:523:PHE:O	1:L:527:TYR:CD2	2.73	0.42
1:M:24:VAL:CG1	1:M:25:ASP:N	2.82	0.42
1:M:109:GLN:HG3	1:M:172:CYS:SG	2.60	0.42
1:M:192:VAL:CG2	1:M:193:LEU:N	2.82	0.42
1:M:253:TRP:HE3	1:M:275:LEU:CB	2.31	0.42
1:M:314:ARG:NE	1:M:341:TRP:CH2	2.86	0.42
1:M:365:TYR:CD2	1:M:401:VAL:CG1	3.02	0.42
1:M:443:ILE:CG1	1:M:478:ILE:HG22	2.41	0.42
1:M:449:ILE:HD11	1:M:453:PHE:CE1	2.55	0.42
1:M:523:PHE:O	1:M:527:TYR:CD2	2.73	0.42
1:N:129:GLN:HB2	1:N:130:PRO:CD	2.44	0.42
1:N:157:LYS:HG2	1:N:287:HIS:HD2	1.81	0.42
1:N:262:ILE:HG22	1:N:264:LEU:HD11	1.99	0.42
1:N:268:PHE:CZ	1:N:407:LYS:HB3	2.55	0.42
1:N:462:TYR:HE2	1:N:494:PHE:CE1	2.37	0.42
1:N:973:UNK:HA	1:N:986:UNK:O	2.19	0.42
1:N:974:UNK:O	1:N:985:UNK:HA	2.20	0.42
1:O:85:TYR:CD2	1:O:88:LEU:HB2	2.55	0.42
1:O:200:LEU:CD2	1:O:208:THR:CG2	2.93	0.42
1:O:262:ILE:CG2	1:O:264:LEU:CG	2.95	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:326:ILE:CG2	1:O:327:ILE:N	2.82	0.42
1:O:398:VAL:CG2	1:O:399:MET:N	2.82	0.42
1:O:443:ILE:CG2	1:O:444:VAL:N	2.83	0.42
1:O:542:ILE:HD12	1:O:543:LEU:CA	2.50	0.42
1:P:499:GLN:HG2	1:P:554:ILE:CG1	2.50	0.42
1:A:65:LEU:HD12	1:A:72:MET:HG2	2.01	0.41
1:A:132:LEU:CD1	1:A:135:ARG:CZ	2.97	0.41
1:A:157:LYS:HG2	1:A:287:HIS:HD2	1.81	0.41
1:A:192:VAL:CG2	1:A:193:LEU:N	2.82	0.41
1:A:207:TRP:HB3	1:A:210:ARG:NE	2.35	0.41
1:A:268:PHE:CZ	1:A:407:LYS:HB3	2.55	0.41
1:A:365:TYR:CD2	1:A:401:VAL:CG1	3.02	0.41
1:A:376:PRO:HA	1:A:377:PRO:HD2	1.79	0.41
1:A:462:TYR:HE2	1:A:494:PHE:CE1	2.37	0.41
1:A:492:LEU:HD23	1:A:492:LEU:HA	1.46	0.41
1:B:28:ASP:OD1	1:B:35:MET:HE1	2.20	0.41
1:B:32:VAL:N	1:B:45:ILE:CD1	2.83	0.41
1:B:164:VAL:O	1:B:168:TYR:CD2	2.73	0.41
1:B:398:VAL:CG2	1:B:399:MET:N	2.82	0.41
1:B:449:ILE:HD11	1:B:453:PHE:CE1	2.55	0.41
1:C:94:THR:HG23	1:C:95:GLU:N	2.35	0.41
1:C:164:VAL:HG13	1:C:165:CYS:N	2.34	0.41
1:C:369:PHE:HZ	1:C:427:LEU:CD2	2.31	0.41
1:C:384:ILE:CG2	1:C:385:LEU:N	2.82	0.41
1:C:443:ILE:CG2	1:C:444:VAL:N	2.83	0.41
1:C:484:MET:HE3	1:C:535:TYR:HE1	1.83	0.41
1:C:510:ALA:N	1:C:648:UNK:N	2.67	0.41
1:D:125:VAL:HB	1:D:300:LEU:HB3	2.02	0.41
1:D:164:VAL:O	1:D:168:TYR:CD2	2.73	0.41
1:D:164:VAL:CG1	1:D:165:CYS:N	2.83	0.41
1:D:200:LEU:CD1	1:D:208:THR:CG2	2.95	0.41
1:D:384:ILE:CG2	1:D:463:LEU:HD22	2.39	0.41
1:E:94:THR:HG23	1:E:95:GLU:N	2.35	0.41
1:E:164:VAL:O	1:E:168:TYR:CD2	2.73	0.41
1:E:262:ILE:HG22	1:E:264:LEU:HD11	1.99	0.41
1:E:302:LEU:CD2	1:E:307:CYS:H	2.33	0.41
1:E:364:GLU:CD	1:E:401:VAL:HG21	2.39	0.41
1:E:511:SER:HB3	1:E:646:UNK:HA	2.02	0.41
1:F:353:ILE:CD1	1:F:426:TYR:HE2	2.13	0.41
1:F:361:GLU:CG	1:F:365:TYR:CD1	2.95	0.41
1:F:374:VAL:HG12	1:F:374:VAL:O	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:499:GLN:HG2	1:F:554:ILE:CG1	2.50	0.41
1:G:85:TYR:CD2	1:G:88:LEU:HB2	2.55	0.41
1:G:178:ILE:HG13	1:G:241:LEU:HD23	2.01	0.41
1:G:398:VAL:CG2	1:G:399:MET:N	2.82	0.41
1:G:443:ILE:CG2	1:G:444:VAL:N	2.83	0.41
1:G:489:MET:SD	1:G:539:VAL:HB	2.60	0.41
1:G:536:GLU:O	1:G:539:VAL:HG13	2.19	0.41
1:H:109:GLN:HG3	1:H:172:CYS:SG	2.60	0.41
1:H:178:ILE:HG13	1:H:241:LEU:HD23	2.01	0.41
1:H:268:PHE:HZ	1:H:407:LYS:HB3	1.84	0.41
1:H:489:MET:SD	1:H:539:VAL:HB	2.60	0.41
1:H:511:SER:HB3	1:H:646:UNK:HA	2.02	0.41
1:H:974:UNK:O	1:H:985:UNK:HA	2.20	0.41
1:H:1251:UNK:O	1:H:1252:UNK:C	2.68	0.41
1:I:40:LEU:HD13	1:I:61:LEU:CD1	2.50	0.41
1:I:125:VAL:CG2	1:I:297:VAL:N	2.83	0.41
1:I:164:VAL:O	1:I:168:TYR:CD2	2.73	0.41
1:I:268:PHE:HD1	1:I:268:PHE:HA	1.62	0.41
1:I:308:ARG:HH12	1:I:310:GLN:HB2	1.85	0.41
1:I:393:VAL:CG1	1:I:394:ILE:N	2.83	0.41
1:I:449:ILE:HD11	1:I:453:PHE:CE1	2.55	0.41
1:I:511:SER:HB3	1:I:646:UNK:HA	2.02	0.41
1:J:20:GLU:CB	1:J:24:VAL:CB	2.97	0.41
1:J:128:LEU:H	1:J:128:LEU:CD1	2.31	0.41
1:J:164:VAL:O	1:J:168:TYR:CD2	2.73	0.41
1:J:200:LEU:CD1	1:J:208:THR:CG2	2.95	0.41
1:J:262:ILE:CG2	1:J:264:LEU:CD1	2.94	0.41
1:J:301:LEU:CD1	1:J:305:LEU:CD1	2.95	0.41
1:J:458:LEU:HD12	1:J:580:GLN:HE21	1.85	0.41
1:K:11:GLN:HE21	1:K:106:TYR:HE2	1.60	0.41
1:K:120:PHE:CE1	1:K:122:LYS:CD	2.95	0.41
1:K:327:ILE:HG22	1:K:331:ILE:CD1	2.44	0.41
1:K:364:GLU:CD	1:K:401:VAL:HG21	2.39	0.41
1:K:369:PHE:HZ	1:K:427:LEU:CD2	2.31	0.41
1:K:408:TYR:HB2	1:K:411:VAL:HG22	2.02	0.41
1:K:449:ILE:HD11	1:K:453:PHE:CE1	2.55	0.41
1:L:32:VAL:N	1:L:45:ILE:CD1	2.83	0.41
1:L:94:THR:HG23	1:L:95:GLU:N	2.35	0.41
1:L:164:VAL:O	1:L:168:TYR:CD2	2.73	0.41
1:L:180:TRP:CH2	1:L:243:VAL:HG11	2.50	0.41
1:L:561:LEU:HA	1:L:564:ILE:HD13	2.01	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:65:LEU:HD12	1:M:72:MET:HG2	2.01	0.41
1:M:132:LEU:CD1	1:M:135:ARG:CZ	2.97	0.41
1:M:369:PHE:HZ	1:M:427:LEU:CD2	2.31	0.41
1:M:469:SER:O	1:M:523:PHE:CE1	2.73	0.41
1:N:19:PHE:HB2	1:N:88:LEU:HD11	1.98	0.41
1:N:150:ASP:N	1:N:287:HIS:CB	2.74	0.41
1:N:326:ILE:CG2	1:N:327:ILE:N	2.82	0.41
1:N:398:VAL:CG2	1:N:399:MET:N	2.82	0.41
1:N:443:ILE:CG2	1:N:444:VAL:N	2.83	0.41
1:N:489:MET:SD	1:N:539:VAL:HB	2.60	0.41
1:N:511:SER:HB3	1:N:646:UNK:HA	2.02	0.41
1:O:24:VAL:CG1	1:O:25:ASP:N	2.82	0.41
1:O:60:ARG:HD3	1:O:60:ARG:HA	1.89	0.41
1:O:109:GLN:HG3	1:O:172:CYS:SG	2.60	0.41
1:O:368:MET:CB	1:O:390:TRP:CZ2	2.94	0.41
1:O:381:ILE:HA	1:O:382:PRO:HD2	1.88	0.41
1:O:386:LEU:HD22	1:O:386:LEU:HA	1.91	0.41
1:O:489:MET:SD	1:O:539:VAL:HB	2.60	0.41
1:O:973:UNK:HA	1:O:986:UNK:O	2.19	0.41
1:P:19:PHE:HB2	1:P:88:LEU:HD11	1.98	0.41
1:P:80:VAL:CG1	1:P:81:LEU:N	2.82	0.41
1:P:152:VAL:CG1	1:P:153:LEU:N	2.82	0.41
1:P:153:LEU:O	1:P:153:LEU:HD22	2.19	0.41
1:P:164:VAL:HG13	1:P:165:CYS:N	2.34	0.41
1:P:298:LYS:HZ1	1:P:316:VAL:HG12	1.82	0.41
1:P:353:ILE:CD1	1:P:426:TYR:HE2	2.13	0.41
1:P:374:VAL:HG12	1:P:374:VAL:O	2.20	0.41
1:P:384:ILE:CG2	1:P:463:LEU:HD22	2.39	0.41
1:P:466:TYR:CE1	1:P:470:HIS:HB2	2.55	0.41
1:P:563:ARG:HH11	1:P:1039:UNK:CB	2.32	0.41
1:A:19:PHE:CD1	1:A:19:PHE:C	2.93	0.41
1:A:85:TYR:CD2	1:A:88:LEU:HB2	2.55	0.41
1:A:125:VAL:CG2	1:A:297:VAL:N	2.83	0.41
1:A:126:SER:H	1:A:296:GLU:HG3	1.84	0.41
1:A:337:THR:O	1:A:341:TRP:CE3	2.73	0.41
1:A:1051:UNK:HA	1:A:1067:UNK:HA	2.02	0.41
1:B:123:TYR:CD1	1:B:304:TYR:N	2.88	0.41
1:B:132:LEU:O	1:B:135:ARG:HD3	2.20	0.41
1:B:180:TRP:CH2	1:B:243:VAL:HG11	2.50	0.41
1:B:256:PHE:CE2	1:B:260:CYS:O	2.73	0.41
1:B:297:VAL:HG13	1:B:300:LEU:CD2	2.47	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:390:TRP:CD2	1:B:402:VAL:HG12	2.54	0.41
1:B:545:PHE:CZ	1:B:564:ILE:HG13	2.56	0.41
1:B:551:GLU:HA	1:B:551:GLU:OE1	2.20	0.41
1:C:11:GLN:HE21	1:C:106:TYR:HE2	1.60	0.41
1:C:113:LEU:CD2	1:C:166:LEU:CD1	2.94	0.41
1:C:207:TRP:HB3	1:C:210:ARG:NE	2.35	0.41
1:C:253:TRP:HE3	1:C:275:LEU:CB	2.31	0.41
1:C:364:GLU:CD	1:C:401:VAL:HG21	2.39	0.41
1:C:380:HIS:NE2	1:C:419:THR:CG2	2.83	0.41
1:C:408:TYR:HB2	1:C:411:VAL:HG22	2.02	0.41
1:C:449:ILE:HD11	1:C:453:PHE:CE1	2.55	0.41
1:C:551:GLU:OE1	1:C:551:GLU:HA	2.20	0.41
1:D:268:PHE:CZ	1:D:407:LYS:HB3	2.55	0.41
1:D:390:TRP:CD2	1:D:402:VAL:HG12	2.54	0.41
1:D:458:LEU:HD12	1:D:580:GLN:HE21	1.85	0.41
1:E:40:LEU:HD13	1:E:61:LEU:CD1	2.50	0.41
1:E:125:VAL:HB	1:E:300:LEU:HB3	2.02	0.41
1:E:125:VAL:CG2	1:E:297:VAL:N	2.83	0.41
1:E:308:ARG:HH12	1:E:310:GLN:HB2	1.85	0.41
1:E:376:PRO:CG	1:E:470:HIS:CD2	3.03	0.41
1:E:403:ASN:O	1:E:407:LYS:HG3	2.20	0.41
1:E:425:ILE:CG2	1:E:426:TYR:N	2.83	0.41
1:E:449:ILE:HD11	1:E:453:PHE:CE1	2.55	0.41
1:F:87:PHE:CE2	1:N:87:PHE:CZ	3.06	0.41
1:F:123:TYR:CD1	1:F:304:TYR:N	2.88	0.41
1:F:125:VAL:CG2	1:F:296:GLU:HG3	2.44	0.41
1:F:148:LEU:HD22	1:F:148:LEU:HA	1.63	0.41
1:F:153:LEU:O	1:F:153:LEU:HD22	2.19	0.41
1:F:216:ASN:HD21	1:F:216:ASN:N	2.09	0.41
1:F:262:ILE:CG2	1:F:264:LEU:CG	2.95	0.41
1:F:326:ILE:CG2	1:F:327:ILE:N	2.82	0.41
1:F:364:GLU:CD	1:F:401:VAL:HG21	2.39	0.41
1:F:466:TYR:CE1	1:F:470:HIS:HB2	2.55	0.41
1:G:40:LEU:CG	1:G:44:GLU:HB3	2.50	0.41
1:G:123:TYR:CD1	1:G:304:TYR:N	2.88	0.41
1:G:563:ARG:CD	1:G:1039:UNK:CB	2.98	0.41
1:H:34:ASP:N	1:H:36:PRO:HD2	2.34	0.41
1:H:34:ASP:C	1:H:36:PRO:HD2	2.41	0.41
1:H:183:LEU:CD2	1:H:183:LEU:N	2.83	0.41
1:H:380:HIS:NE2	1:H:419:THR:CG2	2.83	0.41
1:H:462:TYR:HE2	1:H:494:PHE:CE1	2.37	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:973:UNK:HA	1:H:986:UNK:O	2.19	0.41
1:I:262:ILE:HG22	1:I:264:LEU:HD11	1.99	0.41
1:I:290:MET:HG3	1:I:291:THR:N	2.34	0.41
1:I:364:GLU:CD	1:I:401:VAL:HG21	2.39	0.41
1:I:425:ILE:CG2	1:I:426:TYR:N	2.83	0.41
1:I:450:PRO:CG	1:I:471:ILE:HD13	2.49	0.41
1:J:125:VAL:CG2	1:J:297:VAL:N	2.83	0.41
1:J:142:ARG:HB2	1:J:143:PRO:CD	2.43	0.41
1:J:259:SER:HB3	1:J:260:CYS:H	1.49	0.41
1:J:268:PHE:CZ	1:J:407:LYS:HB3	2.55	0.41
1:J:390:TRP:CD2	1:J:402:VAL:HG12	2.54	0.41
1:J:471:ILE:HG23	1:J:472:GLY:H	1.84	0.41
1:K:125:VAL:CG2	1:K:297:VAL:N	2.83	0.41
1:K:146:ASN:CB	1:K:275:LEU:CD1	2.94	0.41
1:K:182:ASN:OD1	1:K:246:ASN:HB3	2.19	0.41
1:K:207:TRP:HB3	1:K:210:ARG:NE	2.35	0.41
1:K:217:ILE:HG23	1:K:218:LYS:N	2.34	0.41
1:K:368:MET:CB	1:K:390:TRP:CZ2	2.94	0.41
1:K:384:ILE:CG2	1:K:385:LEU:N	2.82	0.41
1:K:425:ILE:CG2	1:K:426:TYR:N	2.83	0.41
1:K:443:ILE:CG2	1:K:444:VAL:N	2.83	0.41
1:K:551:GLU:OE1	1:K:551:GLU:HA	2.20	0.41
1:L:8:HIS:HD2	1:L:103:THR:HG23	1.85	0.41
1:L:123:TYR:CD1	1:L:304:TYR:N	2.88	0.41
1:L:132:LEU:O	1:L:135:ARG:HD3	2.20	0.41
1:L:217:ILE:HG23	1:L:218:LYS:N	2.34	0.41
1:L:256:PHE:CE2	1:L:260:CYS:O	2.73	0.41
1:L:290:MET:HG3	1:L:291:THR:N	2.34	0.41
1:L:390:TRP:CD2	1:L:402:VAL:HG12	2.54	0.41
1:L:410:LEU:CB	1:L:423:PRO:HB2	2.47	0.41
1:L:449:ILE:HD11	1:L:453:PHE:CE1	2.55	0.41
1:L:458:LEU:HD12	1:L:580:GLN:HE21	1.85	0.41
1:L:563:ARG:HH11	1:L:1039:UNK:CB	2.32	0.41
1:M:19:PHE:CD1	1:M:19:PHE:C	2.93	0.41
1:M:125:VAL:CG2	1:M:297:VAL:N	2.83	0.41
1:M:132:LEU:O	1:M:135:ARG:HD3	2.20	0.41
1:M:207:TRP:HB3	1:M:210:ARG:NE	2.35	0.41
1:M:268:PHE:CZ	1:M:407:LYS:HB3	2.55	0.41
1:M:335:LEU:HB3	1:M:337:THR:HG23	2.02	0.41
1:M:376:PRO:HA	1:M:377:PRO:HD2	1.79	0.41
1:M:1051:UNK:HA	1:M:1067:UNK:HA	2.02	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:34:ASP:N	1:N:36:PRO:HD2	2.34	0.41
1:N:34:ASP:C	1:N:36:PRO:HD2	2.41	0.41
1:N:109:GLN:HG3	1:N:172:CYS:SG	2.60	0.41
1:N:178:ILE:HG13	1:N:241:LEU:HD23	2.01	0.41
1:N:183:LEU:CD2	1:N:183:LEU:N	2.83	0.41
1:N:200:LEU:CD2	1:N:208:THR:CG2	2.93	0.41
1:N:256:PHE:CE2	1:N:260:CYS:O	2.73	0.41
1:N:297:VAL:O	1:N:300:LEU:CG	2.68	0.41
1:N:380:HIS:NE2	1:N:419:THR:CG2	2.83	0.41
1:N:523:PHE:O	1:N:527:TYR:CD2	2.73	0.41
1:N:1251:UNK:O	1:N:1252:UNK:C	2.68	0.41
1:O:8:HIS:HD2	1:O:103:THR:HG23	1.85	0.41
1:O:40:LEU:CG	1:O:44:GLU:HB3	2.50	0.41
1:O:123:TYR:CD1	1:O:304:TYR:N	2.88	0.41
1:O:268:PHE:HD1	1:O:268:PHE:HA	1.62	0.41
1:O:391:PHE:CD1	1:O:398:VAL:CG1	2.93	0.41
1:O:484:MET:HA	1:O:489:MET:HE2	1.96	0.41
1:O:488:ARG:CD	1:O:494:PHE:HB2	2.29	0.41
1:O:536:GLU:O	1:O:539:VAL:HG13	2.19	0.41
1:O:563:ARG:CD	1:O:1039:UNK:CB	2.98	0.41
1:P:123:TYR:CD1	1:P:304:TYR:N	2.88	0.41
1:P:126:SER:H	1:P:296:GLU:HG3	1.84	0.41
1:P:326:ILE:CG2	1:P:327:ILE:N	2.82	0.41
1:P:364:GLU:CD	1:P:401:VAL:HG21	2.39	0.41
1:P:1251:UNK:O	1:P:1252:UNK:C	2.68	0.41
1:A:40:LEU:HD13	1:A:61:LEU:CD1	2.50	0.41
1:A:132:LEU:O	1:A:135:ARG:HD3	2.20	0.41
1:A:335:LEU:HB3	1:A:337:THR:HG23	2.02	0.41
1:A:545:PHE:CZ	1:A:564:ILE:HG13	2.56	0.41
1:B:2:ASP:HB2	1:B:97:ARG:HH22	1.86	0.41
1:B:268:PHE:CZ	1:B:407:LYS:HB3	2.55	0.41
1:C:35:MET:N	1:C:36:PRO:HD2	2.32	0.41
1:C:65:LEU:HD12	1:C:72:MET:HG2	2.01	0.41
1:C:123:TYR:CD1	1:C:304:TYR:N	2.88	0.41
1:C:125:VAL:CG2	1:C:297:VAL:N	2.83	0.41
1:C:146:ASN:CB	1:C:275:LEU:CD1	2.94	0.41
1:C:182:ASN:OD1	1:C:246:ASN:HB3	2.19	0.41
1:C:217:ILE:HG23	1:C:218:LYS:N	2.34	0.41
1:C:268:PHE:CZ	1:C:407:LYS:HB3	2.55	0.41
1:C:374:VAL:CG1	1:C:446:HIS:CE1	3.03	0.41
1:C:390:TRP:CD2	1:C:402:VAL:HG12	2.54	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:20:GLU:CB	1:D:24:VAL:CB	2.97	0.41
1:D:20:GLU:CG	1:D:85:TYR:CE2	2.93	0.41
1:D:40:LEU:HD13	1:D:61:LEU:CD1	2.51	0.41
1:D:65:LEU:HD12	1:D:72:MET:HG2	2.01	0.41
1:D:125:VAL:CG2	1:D:297:VAL:N	2.83	0.41
1:D:142:ARG:HB2	1:D:143:PRO:CD	2.43	0.41
1:D:494:PHE:CE2	1:D:498:GLU:HB2	2.55	0.41
3:D:1402:DTP:H5'2	3:D:1402:DTP:H2'2	1.46	0.41
1:E:68:LYS:CE	1:E:72:MET:SD	3.07	0.41
1:E:207:TRP:HB3	1:E:210:ARG:NE	2.35	0.41
1:E:450:PRO:CG	1:E:471:ILE:HD13	2.49	0.41
1:E:545:PHE:CZ	1:E:564:ILE:HG13	2.56	0.41
1:F:164:VAL:O	1:F:168:TYR:CD2	2.73	0.41
1:F:164:VAL:HG13	1:F:165:CYS:N	2.34	0.41
1:F:268:PHE:HD1	1:F:268:PHE:HA	1.62	0.41
1:F:297:VAL:HG13	1:F:300:LEU:CD2	2.47	0.41
1:F:425:ILE:CG2	1:F:426:TYR:N	2.82	0.41
1:F:492:LEU:HA	1:F:492:LEU:HD23	1.46	0.41
1:F:1251:UNK:O	1:F:1252:UNK:C	2.68	0.41
1:G:8:HIS:HD2	1:G:103:THR:HG23	1.85	0.41
1:G:60:ARG:HD3	1:G:60:ARG:HA	1.89	0.41
1:G:374:VAL:HG12	1:G:374:VAL:O	2.20	0.41
1:G:376:PRO:CG	1:G:470:HIS:CD2	3.03	0.41
1:G:561:LEU:HA	1:G:564:ILE:HD13	2.01	0.41
1:H:12:TYR:CD1	1:H:15:ILE:HG21	2.56	0.41
1:H:148:LEU:HD22	1:H:148:LEU:HA	1.63	0.41
1:H:246:ASN:H	1:H:265:THR:HG1	1.68	0.41
1:H:256:PHE:CE2	1:H:260:CYS:O	2.73	0.41
1:H:297:VAL:O	1:H:300:LEU:CG	2.68	0.41
1:H:326:ILE:CG2	1:H:327:ILE:N	2.82	0.41
1:H:335:LEU:HB3	1:H:337:THR:HG23	2.02	0.41
1:H:523:PHE:O	1:H:527:TYR:CD2	2.73	0.41
1:I:68:LYS:CE	1:I:72:MET:SD	3.07	0.41
1:I:125:VAL:HB	1:I:300:LEU:HB3	2.02	0.41
1:I:132:LEU:CD1	1:I:135:ARG:CZ	2.97	0.41
1:I:376:PRO:CG	1:I:470:HIS:CD2	3.03	0.41
1:I:403:ASN:O	1:I:407:LYS:HG3	2.20	0.41
1:I:510:ALA:N	1:I:648:UNK:N	2.67	0.41
1:I:523:PHE:O	1:I:527:TYR:CD2	2.73	0.41
1:I:545:PHE:CZ	1:I:564:ILE:HG13	2.56	0.41
1:J:3:PHE:HB3	1:J:7:GLU:OE2	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:40:LEU:HD13	1:J:61:LEU:CD1	2.51	0.41
1:J:65:LEU:HD12	1:J:72:MET:HG2	2.01	0.41
1:J:337:THR:O	1:J:341:TRP:CE3	2.73	0.41
1:J:494:PHE:CE2	1:J:498:GLU:HB2	2.55	0.41
1:J:523:PHE:O	1:J:527:TYR:CD2	2.73	0.41
1:J:561:LEU:HA	1:J:564:ILE:HD13	2.01	0.41
3:J:1402:DTP:H2'2	3:J:1402:DTP:H5'2	1.46	0.41
1:K:35:MET:N	1:K:36:PRO:HD2	2.32	0.41
1:K:65:LEU:HD13	1:K:72:MET:CE	2.49	0.41
1:K:152:VAL:CG1	1:K:153:LEU:N	2.82	0.41
1:K:374:VAL:CG1	1:K:446:HIS:CE1	3.03	0.41
1:K:380:HIS:NE2	1:K:419:THR:CG2	2.83	0.41
1:K:390:TRP:CD2	1:K:402:VAL:HG12	2.54	0.41
1:K:492:LEU:HD23	1:K:492:LEU:HA	1.46	0.41
1:L:2:ASP:HB2	1:L:97:ARG:HH22	1.86	0.41
1:L:297:VAL:HG13	1:L:300:LEU:CD2	2.47	0.41
1:L:380:HIS:NE2	1:L:419:THR:CG2	2.83	0.41
1:L:538:LEU:CD1	1:L:572:ALA:HB3	2.42	0.41
1:L:545:PHE:CZ	1:L:564:ILE:HG13	2.56	0.41
1:M:40:LEU:HD13	1:M:61:LEU:CD1	2.50	0.41
1:M:85:TYR:CD2	1:M:88:LEU:HB2	2.55	0.41
1:M:113:LEU:CD2	1:M:166:LEU:CD1	2.94	0.41
1:M:126:SER:H	1:M:296:GLU:HG3	1.84	0.41
1:M:217:ILE:HG23	1:M:218:LYS:N	2.34	0.41
1:M:337:THR:O	1:M:341:TRP:CE3	2.73	0.41
1:M:462:TYR:HE2	1:M:494:PHE:CE1	2.37	0.41
1:M:511:SER:HB3	1:M:646:UNK:HA	2.02	0.41
1:N:12:TYR:CD1	1:N:15:ILE:HG21	2.56	0.41
1:N:335:LEU:HB3	1:N:337:THR:HG23	2.02	0.41
1:O:3:PHE:HB3	1:O:7:GLU:OE2	2.20	0.41
1:O:308:ARG:HH12	1:O:310:GLN:HB2	1.85	0.41
1:O:376:PRO:CG	1:O:470:HIS:CD2	3.03	0.41
1:P:164:VAL:O	1:P:168:TYR:CD2	2.73	0.41
1:P:297:VAL:HG13	1:P:300:LEU:CD2	2.47	0.41
1:P:425:ILE:CG2	1:P:426:TYR:N	2.82	0.41
1:P:449:ILE:HD11	1:P:453:PHE:CE1	2.55	0.41
1:P:538:LEU:CD1	1:P:572:ALA:HB3	2.42	0.41
1:A:2:ASP:HB2	1:A:97:ARG:HH22	1.86	0.41
1:A:28:ASP:OD1	1:A:35:MET:HE1	2.20	0.41
1:A:32:VAL:N	1:A:45:ILE:CD1	2.83	0.41
1:A:123:TYR:CD1	1:A:303:LYS:C	2.94	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:153:LEU:O	1:A:153:LEU:HD22	2.19	0.41
1:A:268:PHE:HZ	1:A:407:LYS:HB3	1.84	0.41
1:A:374:VAL:CG1	1:A:446:HIS:CE1	3.03	0.41
1:A:380:HIS:NE2	1:A:419:THR:CG2	2.83	0.41
1:A:511:SER:HB3	1:A:646:UNK:HA	2.02	0.41
1:B:8:HIS:HD2	1:B:103:THR:HG23	1.85	0.41
1:B:34:ASP:C	1:B:36:PRO:HD2	2.41	0.41
1:B:80:VAL:CG1	1:B:81:LEU:N	2.82	0.41
1:B:107:ILE:HG23	1:B:108:GLU:N	2.35	0.41
1:B:109:GLN:HG3	1:B:172:CYS:SG	2.60	0.41
1:B:128:LEU:N	1:B:128:LEU:CD1	2.82	0.41
1:B:200:LEU:CD1	1:B:208:THR:CG2	2.95	0.41
1:B:217:ILE:HG23	1:B:218:LYS:N	2.34	0.41
1:B:380:HIS:NE2	1:B:419:THR:CG2	2.83	0.41
1:B:458:LEU:HD12	1:B:580:GLN:HE21	1.85	0.41
1:B:475:LEU:HA	1:B:475:LEU:HD23	1.89	0.41
1:B:484:MET:HA	1:B:489:MET:HE1	1.95	0.41
1:C:65:LEU:HA	1:C:72:MET:HE2	1.97	0.41
1:C:65:LEU:HD13	1:C:72:MET:CE	2.50	0.41
1:C:152:VAL:CG1	1:C:153:LEU:N	2.82	0.41
1:C:183:LEU:CD2	1:C:183:LEU:N	2.83	0.41
1:C:368:MET:CB	1:C:390:TRP:CZ2	2.94	0.41
1:C:476:LYS:CE	1:C:529:CYS:SG	3.07	0.41
1:D:3:PHE:HB3	1:D:7:GLU:OE2	2.20	0.41
1:D:36:PRO:HB3	1:D:42:LYS:HG2	2.03	0.41
1:D:122:LYS:O	1:D:123:TYR:CG	2.74	0.41
1:D:132:LEU:O	1:D:135:ARG:HD3	2.20	0.41
1:D:262:ILE:CG2	1:D:264:LEU:CD1	2.94	0.41
1:D:337:THR:O	1:D:341:TRP:CE3	2.73	0.41
1:D:384:ILE:CG2	1:D:385:LEU:N	2.82	0.41
1:D:508:TRP:CH2	1:D:671:UNK:O	2.74	0.41
1:D:523:PHE:O	1:D:527:TYR:CD2	2.73	0.41
1:E:2:ASP:HB2	1:E:97:ARG:HH22	1.86	0.41
1:E:122:LYS:C	1:E:123:TYR:CD1	2.94	0.41
1:E:290:MET:HG3	1:E:291:THR:N	2.34	0.41
1:E:374:VAL:CG1	1:E:446:HIS:CE1	3.03	0.41
1:E:408:TYR:HB2	1:E:411:VAL:HG22	2.02	0.41
1:E:458:LEU:HD12	1:E:580:GLN:HE21	1.84	0.41
1:E:497:LEU:O	1:E:501:ILE:HG23	2.20	0.41
1:E:510:ALA:N	1:E:648:UNK:N	2.67	0.41
1:E:523:PHE:O	1:E:527:TYR:CD2	2.73	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:974:UNK:O	1:E:985:UNK:HA	2.20	0.41
1:F:40:LEU:HD13	1:F:61:LEU:CD1	2.51	0.41
1:F:105:MET:HE2	1:F:106:TYR:CE1	2.54	0.41
1:F:298:LYS:HZ1	1:F:316:VAL:HG12	1.82	0.41
1:F:398:VAL:CG2	1:F:399:MET:N	2.82	0.41
1:F:449:ILE:HD11	1:F:453:PHE:CE1	2.55	0.41
1:F:471:ILE:CG2	1:F:472:GLY:N	2.83	0.41
1:F:497:LEU:O	1:F:501:ILE:HG23	2.20	0.41
1:F:542:ILE:HD12	1:F:543:LEU:CA	2.50	0.41
1:G:3:PHE:HB3	1:G:7:GLU:OE2	2.20	0.41
1:G:40:LEU:HD13	1:G:61:LEU:CD1	2.50	0.41
1:G:164:VAL:O	1:G:168:TYR:CD2	2.73	0.41
1:G:290:MET:HG3	1:G:291:THR:N	2.34	0.41
1:G:302:LEU:CD2	1:G:307:CYS:H	2.33	0.41
1:G:368:MET:CB	1:G:390:TRP:CZ2	2.94	0.41
1:G:492:LEU:HD23	1:G:492:LEU:HA	1.46	0.41
1:G:497:LEU:O	1:G:501:ILE:HG23	2.20	0.41
1:H:19:PHE:CD1	1:H:19:PHE:C	2.93	0.41
1:H:302:LEU:CD2	1:H:307:CYS:H	2.33	0.41
1:H:510:ALA:H	1:H:647:UNK:CA	2.33	0.41
1:I:2:ASP:HB2	1:I:97:ARG:HH22	1.86	0.41
1:I:34:ASP:N	1:I:36:PRO:HD2	2.34	0.41
1:I:122:LYS:C	1:I:123:TYR:CD1	2.94	0.41
1:I:207:TRP:HB3	1:I:210:ARG:NE	2.35	0.41
1:I:458:LEU:HD12	1:I:580:GLN:HE21	1.84	0.41
1:I:974:UNK:O	1:I:985:UNK:HA	2.20	0.41
1:J:36:PRO:HB3	1:J:42:LYS:HG2	2.03	0.41
1:J:122:LYS:O	1:J:123:TYR:CG	2.74	0.41
1:J:164:VAL:HG13	1:J:165:CYS:N	2.34	0.41
1:J:246:ASN:H	1:J:265:THR:HG1	1.67	0.41
1:J:487:PHE:O	1:J:488:ARG:C	2.57	0.41
1:J:492:LEU:HD22	1:J:492:LEU:C	2.37	0.41
1:J:508:TRP:CH2	1:J:671:UNK:O	2.74	0.41
1:J:545:PHE:CZ	1:J:564:ILE:HG13	2.56	0.41
1:K:65:LEU:HD12	1:K:72:MET:HG2	2.01	0.41
1:K:164:VAL:HG13	1:K:165:CYS:N	2.34	0.41
1:K:253:TRP:HE3	1:K:275:LEU:CB	2.31	0.41
1:K:268:PHE:CZ	1:K:407:LYS:HB3	2.55	0.41
1:K:476:LYS:CE	1:K:529:CYS:SG	3.07	0.41
1:L:34:ASP:C	1:L:36:PRO:HD2	2.41	0.41
1:L:109:GLN:HG3	1:L:172:CYS:SG	2.60	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:268:PHE:CZ	1:L:407:LYS:HB3	2.55	0.41
1:L:484:MET:HA	1:L:489:MET:HE1	1.95	0.41
1:L:551:GLU:OE1	1:L:551:GLU:HA	2.20	0.41
1:L:974:UNK:O	1:L:985:UNK:HA	2.20	0.41
1:M:32:VAL:N	1:M:45:ILE:CD1	2.83	0.41
1:M:40:LEU:O	1:M:41:SER:C	2.58	0.41
1:M:110:ARG:CG	1:M:114:TYR:CE2	2.95	0.41
1:M:123:TYR:CD1	1:M:303:LYS:C	2.94	0.41
1:M:153:LEU:O	1:M:153:LEU:HD22	2.19	0.41
1:M:157:LYS:HG2	1:M:287:HIS:HD2	1.81	0.41
1:M:253:TRP:CE3	1:M:275:LEU:HB2	2.55	0.41
1:M:380:HIS:HE1	1:M:464:ASP:HB2	1.83	0.41
1:M:545:PHE:CZ	1:M:564:ILE:HG13	2.56	0.41
1:N:19:PHE:CD1	1:N:19:PHE:C	2.93	0.41
1:N:164:VAL:CG1	1:N:165:CYS:N	2.83	0.41
1:N:302:LEU:CD2	1:N:307:CYS:H	2.33	0.41
1:N:499:GLN:HG2	1:N:554:ILE:CG1	2.50	0.41
1:N:591:UNK:CB	1:N:1321:UNK:CA	2.94	0.41
1:O:12:TYR:CD1	1:O:15:ILE:HG21	2.56	0.41
1:O:40:LEU:HD13	1:O:61:LEU:CD1	2.50	0.41
1:O:164:VAL:O	1:O:168:TYR:CD2	2.73	0.41
1:O:290:MET:HG3	1:O:291:THR:N	2.34	0.41
1:P:40:LEU:HD13	1:P:61:LEU:CD1	2.51	0.41
1:P:262:ILE:CG2	1:P:264:LEU:CG	2.95	0.41
1:P:302:LEU:CD2	1:P:307:CYS:H	2.33	0.41
1:P:365:TYR:CD2	1:P:401:VAL:CG1	3.02	0.41
1:P:395:LYS:HB3	1:P:396:SER:H	1.76	0.41
1:P:497:LEU:O	1:P:501:ILE:HG23	2.20	0.41
1:P:542:ILE:HD12	1:P:543:LEU:CA	2.50	0.41
1:A:40:LEU:O	1:A:41:SER:C	2.58	0.41
1:A:48:ILE:HG12	1:A:61:LEU:CA	2.51	0.41
1:A:142:ARG:CB	1:A:142:ARG:CZ	2.99	0.41
1:A:217:ILE:HG23	1:A:218:LYS:N	2.34	0.41
1:A:225:GLN:HE21	1:A:225:GLN:HB2	1.72	0.41
1:A:253:TRP:CE3	1:A:275:LEU:HB2	2.55	0.41
1:A:297:VAL:HG13	1:A:300:LEU:CD2	2.47	0.41
1:A:380:HIS:HE1	1:A:464:ASP:HB2	1.84	0.41
1:A:411:VAL:CG2	1:A:412:GLU:H	2.19	0.41
1:B:3:PHE:HB3	1:B:7:GLU:OE2	2.20	0.41
1:B:207:TRP:HB3	1:B:210:ARG:NE	2.35	0.41
1:B:314:ARG:CZ	1:B:341:TRP:HH2	2.32	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:410:LEU:CB	1:B:423:PRO:HB2	2.47	0.41
1:B:974:UNK:O	1:B:985:UNK:HA	2.20	0.41
1:B:1161:UNK:C	1:B:1163:UNK:N	2.82	0.41
1:C:362:PRO:CA	1:C:366:ARG:HB3	2.47	0.41
1:C:469:SER:O	1:C:523:PHE:CE1	2.73	0.41
1:C:508:TRP:CH2	1:C:671:UNK:O	2.74	0.41
1:C:974:UNK:O	1:C:985:UNK:HA	2.20	0.41
1:C:1251:UNK:O	1:C:1252:UNK:C	2.68	0.41
1:D:10:TYR:CE1	1:D:167:SER:O	2.74	0.41
1:D:94:THR:HG23	1:D:95:GLU:N	2.35	0.41
1:D:164:VAL:HG13	1:D:165:CYS:N	2.34	0.41
1:D:217:ILE:HG23	1:D:218:LYS:N	2.34	0.41
1:D:374:VAL:CG1	1:D:446:HIS:CE1	3.03	0.41
1:D:487:PHE:O	1:D:488:ARG:C	2.57	0.41
1:D:545:PHE:CZ	1:D:564:ILE:HG13	2.56	0.41
1:E:34:ASP:N	1:E:36:PRO:HD2	2.34	0.41
1:E:109:GLN:HG3	1:E:172:CYS:SG	2.60	0.41
1:E:132:LEU:CD1	1:E:135:ARG:CZ	2.97	0.41
1:E:164:VAL:CG1	1:E:165:CYS:N	2.83	0.41
1:E:253:TRP:CE3	1:E:275:LEU:HB2	2.55	0.41
1:E:256:PHE:HE2	1:E:262:ILE:N	2.17	0.41
1:E:390:TRP:HD1	1:E:398:VAL:CB	2.30	0.41
1:E:542:ILE:HD12	1:E:543:LEU:CA	2.49	0.41
1:F:8:HIS:HD2	1:F:103:THR:HG23	1.85	0.41
1:F:12:TYR:CD1	1:F:15:ILE:HG21	2.56	0.41
1:F:107:ILE:HG23	1:F:108:GLU:N	2.35	0.41
1:F:126:SER:H	1:F:296:GLU:HG3	1.84	0.41
1:F:302:LEU:CD2	1:F:307:CYS:H	2.33	0.41
1:F:395:LYS:HB3	1:F:396:SER:H	1.76	0.41
1:G:12:TYR:CD1	1:G:15:ILE:HG21	2.56	0.41
1:G:36:PRO:HB3	1:G:42:LYS:HG2	2.03	0.41
1:G:123:TYR:CD1	1:G:303:LYS:C	2.94	0.41
1:G:153:LEU:HD23	1:G:322:ARG:HD3	1.99	0.41
1:G:253:TRP:CE3	1:G:275:LEU:HB2	2.55	0.41
1:G:297:VAL:O	1:G:300:LEU:CG	2.68	0.41
1:G:308:ARG:HH12	1:G:310:GLN:HB2	1.85	0.41
1:G:386:LEU:HD22	1:G:386:LEU:HA	1.91	0.41
1:G:391:PHE:CD1	1:G:398:VAL:CG1	2.93	0.41
1:G:449:ILE:HD11	1:G:453:PHE:CE1	2.55	0.41
1:G:523:PHE:O	1:G:527:TYR:CD2	2.73	0.41
1:H:2:ASP:HB2	1:H:97:ARG:HH22	1.86	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:39:ILE:O	1:H:72:MET:HE1	2.21	0.41
1:H:40:LEU:CG	1:H:44:GLU:HB3	2.50	0.41
1:H:164:VAL:CG1	1:H:165:CYS:N	2.83	0.41
1:H:197:GLN:O	1:H:201:TYR:CD2	2.74	0.41
1:H:300:LEU:CD1	1:H:301:LEU:N	2.82	0.41
1:H:304:TYR:HH	3:H:1402:DTP:C2	2.33	0.41
1:H:499:GLN:HG2	1:H:554:ILE:CG1	2.50	0.41
1:H:542:ILE:HD12	1:H:543:LEU:CA	2.50	0.41
1:I:109:GLN:HG3	1:I:172:CYS:SG	2.60	0.41
1:I:164:VAL:CG1	1:I:165:CYS:N	2.83	0.41
1:I:217:ILE:HG23	1:I:218:LYS:N	2.34	0.41
1:I:228:LEU:CD2	1:I:232:LEU:CD1	2.94	0.41
1:I:268:PHE:HE2	1:I:270:GLN:HB2	1.78	0.41
1:I:374:VAL:CG1	1:I:446:HIS:CE1	3.03	0.41
1:I:408:TYR:HB2	1:I:411:VAL:HG22	2.02	0.41
1:I:497:LEU:O	1:I:501:ILE:HG23	2.20	0.41
1:I:508:TRP:CH2	1:I:671:UNK:O	2.74	0.41
1:I:739:UNK:C	1:I:741:UNK:N	2.82	0.41
1:J:10:TYR:CE1	1:J:167:SER:O	2.74	0.41
1:J:20:GLU:CG	1:J:85:TYR:CE2	2.93	0.41
1:J:30:LYS:HE3	1:J:30:LYS:HB2	1.83	0.41
1:J:132:LEU:O	1:J:135:ARG:HD3	2.20	0.41
1:J:217:ILE:HG23	1:J:218:LYS:N	2.34	0.41
1:J:384:ILE:CG2	1:J:385:LEU:N	2.82	0.41
1:J:591:UNK:CB	1:J:1321:UNK:CA	2.94	0.41
1:K:113:LEU:CD2	1:K:166:LEU:CD1	2.94	0.41
1:K:123:TYR:CD1	1:K:304:TYR:N	2.88	0.41
1:K:183:LEU:CD2	1:K:183:LEU:N	2.83	0.41
1:K:253:TRP:CE3	1:K:275:LEU:HB2	2.55	0.41
1:K:362:PRO:CA	1:K:366:ARG:HB3	2.47	0.41
1:K:398:VAL:CG2	1:K:399:MET:N	2.82	0.41
1:K:469:SER:O	1:K:523:PHE:CE1	2.73	0.41
1:K:974:UNK:O	1:K:985:UNK:HA	2.20	0.41
1:L:11:GLN:HE21	1:L:106:TYR:HE2	1.60	0.41
1:L:65:LEU:CD1	1:L:72:MET:CE	2.99	0.41
1:L:80:VAL:CG1	1:L:81:LEU:N	2.82	0.41
1:L:107:ILE:HG23	1:L:108:GLU:N	2.35	0.41
1:L:200:LEU:CD1	1:L:208:THR:CG2	2.95	0.41
1:L:207:TRP:HB3	1:L:210:ARG:NE	2.35	0.41
1:L:301:LEU:CB	1:L:324:LEU:HD21	2.48	0.41
1:L:314:ARG:CZ	1:L:341:TRP:HH2	2.32	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:2:ASP:HB2	1:M:97:ARG:HH22	1.86	0.41
1:M:142:ARG:CZ	1:M:142:ARG:CB	2.99	0.41
1:M:246:ASN:H	1:M:265:THR:HG1	1.68	0.41
1:M:297:VAL:HG13	1:M:300:LEU:CD2	2.47	0.41
1:M:1182:UNK:C	1:M:1184:UNK:N	2.83	0.41
1:N:2:ASP:HB2	1:N:97:ARG:HH22	1.86	0.41
1:N:20:GLU:O	1:N:23:PHE:N	2.53	0.41
1:N:164:VAL:HG13	1:N:165:CYS:N	2.34	0.41
1:N:300:LEU:CD1	1:N:301:LEU:N	2.82	0.41
1:N:469:SER:O	1:N:523:PHE:CE1	2.73	0.41
1:N:492:LEU:HA	1:N:492:LEU:HD23	1.46	0.41
1:N:509:ASN:CA	1:N:648:UNK:N	2.74	0.41
1:O:36:PRO:HB3	1:O:42:LYS:HG2	2.03	0.41
1:O:123:TYR:CD1	1:O:303:LYS:C	2.94	0.41
1:O:253:TRP:CE3	1:O:275:LEU:HB2	2.55	0.41
1:O:297:VAL:O	1:O:300:LEU:CG	2.68	0.41
1:O:302:LEU:CD2	1:O:307:CYS:H	2.33	0.41
1:O:361:GLU:CG	1:O:365:TYR:CD1	2.95	0.41
1:O:374:VAL:HG12	1:O:374:VAL:O	2.20	0.41
1:O:497:LEU:O	1:O:501:ILE:HG23	2.20	0.41
1:O:523:PHE:O	1:O:527:TYR:CD2	2.73	0.41
1:O:561:LEU:HA	1:O:564:ILE:HD13	2.01	0.41
1:P:2:ASP:HB2	1:P:97:ARG:HH22	1.86	0.41
1:P:105:MET:HE2	1:P:106:TYR:CE1	2.54	0.41
1:P:107:ILE:HD13	1:P:110:ARG:NH2	2.36	0.41
1:P:369:PHE:HZ	1:P:427:LEU:HD21	1.80	0.41
1:P:471:ILE:CG2	1:P:472:GLY:N	2.83	0.41
1:A:77:VAL:HG23	1:A:92:ILE:CG2	2.50	0.41
1:A:120:PHE:CE1	1:A:122:LYS:CD	2.95	0.41
1:A:125:VAL:HB	1:A:300:LEU:HB3	2.02	0.41
1:A:146:ASN:HD22	1:A:146:ASN:N	2.18	0.41
1:A:403:ASN:O	1:A:407:LYS:HG3	2.20	0.41
1:A:475:LEU:HA	1:A:475:LEU:HD23	1.89	0.41
1:A:476:LYS:CD	1:A:527:TYR:HD1	2.34	0.41
1:A:541:ALA:HB1	1:A:571:GLU:OE1	2.20	0.41
1:A:1161:UNK:C	1:A:1163:UNK:N	2.82	0.41
1:A:1182:UNK:C	1:A:1184:UNK:N	2.83	0.41
1:B:40:LEU:CG	1:B:44:GLU:HB3	2.50	0.41
1:B:65:LEU:CD1	1:B:72:MET:CE	2.99	0.41
1:B:113:LEU:CD2	1:B:166:LEU:CD1	2.94	0.41
1:B:301:LEU:CB	1:B:324:LEU:HD21	2.48	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:362:PRO:CA	1:B:366:ARG:HB3	2.47	0.41
1:B:403:ASN:O	1:B:407:LYS:HG3	2.21	0.41
1:B:411:VAL:CG2	1:B:412:GLU:H	2.19	0.41
1:B:508:TRP:CH2	1:B:671:UNK:O	2.74	0.41
1:C:19:PHE:CD1	1:C:19:PHE:C	2.93	0.41
1:C:123:TYR:CD1	1:C:303:LYS:C	2.94	0.41
1:C:132:LEU:CD1	1:C:135:ARG:CZ	2.97	0.41
1:C:146:ASN:HD22	1:C:146:ASN:N	2.18	0.41
1:C:300:LEU:CD1	1:C:301:LEU:N	2.82	0.41
1:C:398:VAL:CG2	1:C:399:MET:N	2.82	0.41
1:C:489:MET:SD	1:C:539:VAL:HB	2.60	0.41
1:C:497:LEU:O	1:C:501:ILE:HG23	2.20	0.41
1:C:739:UNK:C	1:C:741:UNK:N	2.82	0.41
1:D:8:HIS:HD2	1:D:103:THR:HG23	1.85	0.41
1:D:30:LYS:HE3	1:D:30:LYS:HB2	1.83	0.41
1:D:34:ASP:C	1:D:36:PRO:HD2	2.41	0.41
1:D:469:SER:O	1:D:523:PHE:CE1	2.73	0.41
1:E:77:VAL:HG23	1:E:92:ILE:CG2	2.50	0.41
1:E:217:ILE:HG23	1:E:218:LYS:N	2.34	0.41
1:E:508:TRP:CH2	1:E:671:UNK:O	2.74	0.41
1:E:538:LEU:CD1	1:E:572:ALA:CB	2.93	0.41
1:E:739:UNK:C	1:E:741:UNK:N	2.82	0.41
1:F:2:ASP:HB2	1:F:97:ARG:HH22	1.86	0.41
1:F:107:ILE:HD13	1:F:110:ARG:NH2	2.36	0.41
1:F:122:LYS:C	1:F:123:TYR:CD1	2.94	0.41
1:F:450:PRO:CG	1:F:471:ILE:HD13	2.49	0.41
1:G:77:VAL:HG23	1:G:92:ILE:CG2	2.50	0.41
1:G:125:VAL:HB	1:G:300:LEU:HB3	2.02	0.41
1:G:207:TRP:HB3	1:G:210:ARG:NE	2.35	0.41
1:G:217:ILE:HG23	1:G:218:LYS:N	2.34	0.41
1:G:256:PHE:HE2	1:G:262:ILE:N	2.17	0.41
1:G:275:LEU:HD13	1:G:276:SER:N	2.36	0.41
1:G:335:LEU:HB3	1:G:337:THR:HG23	2.02	0.41
1:G:395:LYS:HB3	1:G:396:SER:H	1.76	0.41
1:G:494:PHE:CE2	1:G:498:GLU:HB2	2.55	0.41
1:G:499:GLN:HG2	1:G:554:ILE:CG1	2.50	0.41
1:H:20:GLU:O	1:H:23:PHE:N	2.53	0.41
1:H:65:LEU:CD1	1:H:72:MET:CE	2.99	0.41
1:H:164:VAL:HG13	1:H:165:CYS:N	2.34	0.41
1:H:275:LEU:HD13	1:H:276:SER:N	2.36	0.41
1:H:469:SER:O	1:H:523:PHE:CE1	2.73	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:471:ILE:CG2	1:H:472:GLY:N	2.83	0.41
1:H:494:PHE:CE2	1:H:498:GLU:HB2	2.55	0.41
1:H:591:UNK:CB	1:H:1321:UNK:CA	2.94	0.41
1:I:19:PHE:CD1	1:I:19:PHE:C	2.93	0.41
1:I:77:VAL:HG23	1:I:92:ILE:CG2	2.50	0.41
1:I:200:LEU:HD23	1:I:200:LEU:HA	1.89	0.41
1:I:253:TRP:CE3	1:I:275:LEU:HB2	2.55	0.41
1:I:542:ILE:HD12	1:I:543:LEU:CA	2.49	0.41
1:J:34:ASP:C	1:J:36:PRO:HD2	2.41	0.41
1:J:94:THR:HG23	1:J:95:GLU:N	2.35	0.41
1:J:374:VAL:CG1	1:J:446:HIS:CE1	3.03	0.41
1:J:551:GLU:OE1	1:J:551:GLU:HA	2.20	0.41
1:K:123:TYR:CD1	1:K:303:LYS:C	2.94	0.41
1:K:132:LEU:CD1	1:K:135:ARG:CZ	2.97	0.41
1:K:244:LEU:CD2	1:K:262:ILE:CD1	2.94	0.41
1:K:300:LEU:CD1	1:K:301:LEU:N	2.82	0.41
1:K:487:PHE:HD2	1:K:524:TYR:CD1	2.39	0.41
1:K:489:MET:SD	1:K:539:VAL:HB	2.60	0.41
1:K:508:TRP:CH2	1:K:671:UNK:O	2.74	0.41
1:L:128:LEU:N	1:L:128:LEU:CD1	2.82	0.41
1:L:403:ASN:O	1:L:407:LYS:HG3	2.21	0.41
1:L:489:MET:SD	1:L:539:VAL:HB	2.60	0.41
1:L:527:TYR:HD1	1:L:527:TYR:HA	1.68	0.41
1:L:561:LEU:CA	1:L:564:ILE:CD1	2.95	0.41
1:L:1161:UNK:C	1:L:1163:UNK:N	2.82	0.41
1:M:48:ILE:HG12	1:M:61:LEU:CA	2.51	0.41
1:M:77:VAL:HG23	1:M:92:ILE:CG2	2.50	0.41
1:M:120:PHE:CE1	1:M:122:LYS:CD	2.95	0.41
1:M:268:PHE:HZ	1:M:407:LYS:HB3	1.84	0.41
1:M:314:ARG:CZ	1:M:341:TRP:HH2	2.32	0.41
1:M:374:VAL:CG1	1:M:446:HIS:CE1	3.03	0.41
1:M:380:HIS:NE2	1:M:419:THR:CG2	2.83	0.41
1:M:403:ASN:O	1:M:407:LYS:HG3	2.21	0.41
1:M:541:ALA:HB1	1:M:571:GLU:OE1	2.20	0.41
1:N:27:PHE:CD1	1:N:27:PHE:C	2.94	0.41
1:N:39:ILE:O	1:N:72:MET:HE1	2.21	0.41
1:N:40:LEU:CG	1:N:44:GLU:HB3	2.50	0.41
1:N:65:LEU:CD1	1:N:72:MET:CE	2.99	0.41
1:N:197:GLN:O	1:N:201:TYR:CD2	2.74	0.41
1:N:275:LEU:HD13	1:N:276:SER:N	2.36	0.41
1:N:304:TYR:HH	3:N:1402:DTP:C2	2.33	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:77:VAL:HG23	1:O:92:ILE:CG2	2.50	0.41
1:O:125:VAL:HB	1:O:300:LEU:HB3	2.02	0.41
1:O:153:LEU:HD23	1:O:322:ARG:HD3	1.99	0.41
1:O:207:TRP:HB3	1:O:210:ARG:NE	2.35	0.41
1:O:256:PHE:HE2	1:O:262:ILE:N	2.17	0.41
1:O:275:LEU:HD13	1:O:276:SER:N	2.36	0.41
1:O:335:LEU:HB3	1:O:337:THR:HG23	2.02	0.41
1:O:361:GLU:CG	1:O:365:TYR:HD1	2.28	0.41
1:O:494:PHE:CE2	1:O:498:GLU:HB2	2.55	0.41
1:O:499:GLN:HG2	1:O:554:ILE:CG1	2.50	0.41
1:O:511:SER:HB3	1:O:646:UNK:HA	2.02	0.41
1:P:12:TYR:CD1	1:P:15:ILE:HG21	2.56	0.41
1:P:122:LYS:C	1:P:123:TYR:CD1	2.94	0.41
1:P:125:VAL:CG2	1:P:296:GLU:HG3	2.44	0.41
1:P:183:LEU:CD2	1:P:183:LEU:N	2.83	0.41
1:P:376:PRO:CG	1:P:470:HIS:CD2	3.03	0.41
1:P:398:VAL:CG2	1:P:399:MET:N	2.82	0.41
1:P:458:LEU:HD12	1:P:580:GLN:HE21	1.85	0.41
1:A:34:ASP:C	1:A:36:PRO:HD2	2.41	0.41
1:A:110:ARG:CG	1:A:114:TYR:CE2	2.95	0.41
1:A:183:LEU:CD2	1:A:183:LEU:N	2.83	0.41
1:A:268:PHE:HD1	1:A:268:PHE:HA	1.62	0.41
1:A:458:LEU:HD23	1:A:458:LEU:HA	1.86	0.41
1:B:11:GLN:HE21	1:B:106:TYR:HE2	1.60	0.41
1:B:146:ASN:N	1:B:146:ASN:HD22	2.18	0.41
1:B:253:TRP:HE3	1:B:275:LEU:CB	2.31	0.41
1:B:376:PRO:HD2	1:B:470:HIS:HD2	1.84	0.41
1:B:380:HIS:CE1	1:B:464:ASP:CB	3.01	0.41
1:B:390:TRP:CE2	1:B:402:VAL:HG12	2.56	0.41
1:B:489:MET:SD	1:B:539:VAL:HB	2.60	0.41
1:B:511:SER:HB3	1:B:646:UNK:HA	2.02	0.41
1:C:40:LEU:HD13	1:C:61:LEU:CD1	2.50	0.41
1:C:110:ARG:HH11	1:C:110:ARG:HD2	1.76	0.41
1:C:180:TRP:CE3	1:C:243:VAL:CB	3.04	0.41
1:C:253:TRP:CE3	1:C:275:LEU:HB2	2.55	0.41
1:C:390:TRP:CE2	1:C:402:VAL:HG12	2.56	0.41
1:C:487:PHE:HD2	1:C:524:TYR:CD1	2.39	0.41
1:D:10:TYR:CZ	1:D:166:LEU:O	2.74	0.41
1:D:32:VAL:N	1:D:45:ILE:CD1	2.83	0.41
1:D:48:ILE:HG12	1:D:61:LEU:CA	2.51	0.41
1:D:52:LYS:HB2	1:D:52:LYS:HZ3	1.85	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:197:GLN:O	1:D:201:TYR:CD2	2.74	0.41
1:D:520:GLN:HG2	1:D:524:TYR:CE2	2.56	0.41
1:D:528:ILE:CD1	1:D:529:CYS:N	2.82	0.41
1:D:551:GLU:OE1	1:D:551:GLU:HA	2.20	0.41
1:E:10:TYR:CE1	1:E:167:SER:O	2.74	0.41
1:E:12:TYR:CD1	1:E:15:ILE:HG21	2.56	0.41
1:E:19:PHE:CD1	1:E:19:PHE:C	2.93	0.41
1:E:122:LYS:O	1:E:123:TYR:CG	2.74	0.41
1:E:123:TYR:O	1:E:304:TYR:CE1	2.74	0.41
1:E:268:PHE:CZ	1:E:407:LYS:HB3	2.55	0.41
1:E:381:ILE:HA	1:E:382:PRO:HD2	1.88	0.41
1:E:541:ALA:HB1	1:E:571:GLU:OE1	2.20	0.41
1:F:109:GLN:HG3	1:F:172:CYS:SG	2.60	0.41
1:F:217:ILE:HG23	1:F:218:LYS:N	2.34	0.41
1:F:275:LEU:HD13	1:F:276:SER:N	2.36	0.41
1:F:376:PRO:CG	1:F:470:HIS:CD2	3.03	0.41
1:F:458:LEU:HD12	1:F:580:GLN:HE21	1.85	0.41
1:G:19:PHE:HE2	1:O:87:PHE:CB	2.08	0.41
1:G:68:LYS:CE	1:G:72:MET:SD	3.07	0.41
1:G:157:LYS:HE3	1:G:265:THR:HB	1.99	0.41
1:G:458:LEU:HA	1:G:458:LEU:HD23	1.86	0.41
1:G:510:ALA:H	1:G:647:UNK:CA	2.34	0.41
1:G:511:SER:HB3	1:G:646:UNK:HA	2.02	0.41
1:G:538:LEU:CD1	1:G:572:ALA:CB	2.93	0.41
1:H:27:PHE:C	1:H:27:PHE:CD1	2.94	0.41
1:H:120:PHE:CD1	1:H:121:ALA:N	2.81	0.41
1:H:253:TRP:CE3	1:H:275:LEU:HB2	2.55	0.41
1:H:408:TYR:HB2	1:H:411:VAL:HG22	2.02	0.41
1:I:12:TYR:CD1	1:I:15:ILE:HG21	2.56	0.41
1:I:24:VAL:CG2	1:I:27:PHE:CE2	2.94	0.41
1:I:122:LYS:O	1:I:123:TYR:CG	2.74	0.41
1:I:256:PHE:HE2	1:I:262:ILE:N	2.17	0.41
1:J:8:HIS:HD2	1:J:103:THR:HG23	1.85	0.41
1:J:10:TYR:CZ	1:J:166:LEU:O	2.74	0.41
1:J:48:ILE:HG12	1:J:61:LEU:CA	2.51	0.41
1:J:110:ARG:HG2	1:J:114:TYR:HE2	1.86	0.41
1:J:197:GLN:O	1:J:201:TYR:CD2	2.74	0.41
1:J:307:CYS:HB3	1:J:308:ARG:H	1.66	0.41
1:J:317:LEU:HA	1:J:318:THR:HA	1.73	0.41
1:J:403:ASN:O	1:J:407:LYS:HG3	2.21	0.41
1:J:469:SER:O	1:J:523:PHE:CE1	2.73	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:487:PHE:HD2	1:J:524:TYR:CD1	2.39	0.41
1:J:497:LEU:O	1:J:501:ILE:HG23	2.20	0.41
1:J:520:GLN:HG2	1:J:524:TYR:CE2	2.56	0.41
1:K:32:VAL:N	1:K:45:ILE:CD1	2.83	0.41
1:K:146:ASN:HD22	1:K:146:ASN:N	2.18	0.41
1:K:180:TRP:CE3	1:K:243:VAL:CB	3.04	0.41
1:K:285:LEU:O	1:K:287:HIS:HB2	2.21	0.41
1:K:390:TRP:CE2	1:K:402:VAL:HG12	2.56	0.41
1:K:1251:UNK:O	1:K:1252:UNK:C	2.68	0.41
1:L:3:PHE:HB3	1:L:7:GLU:OE2	2.20	0.41
1:L:10:TYR:CZ	1:L:166:LEU:O	2.74	0.41
1:L:40:LEU:CG	1:L:44:GLU:HB3	2.50	0.41
1:L:146:ASN:N	1:L:146:ASN:HD22	2.18	0.41
1:L:362:PRO:CA	1:L:366:ARG:HB3	2.47	0.41
1:L:390:TRP:CE2	1:L:402:VAL:HG12	2.56	0.41
1:L:494:PHE:CE2	1:L:498:GLU:HB2	2.55	0.41
1:L:508:TRP:CH2	1:L:671:UNK:O	2.74	0.41
1:L:509:ASN:CA	1:L:648:UNK:CB	2.92	0.41
1:M:34:ASP:C	1:M:36:PRO:HD2	2.41	0.41
1:M:40:LEU:CG	1:M:44:GLU:HB3	2.50	0.41
1:M:146:ASN:HD22	1:M:146:ASN:N	2.18	0.41
1:M:275:LEU:HD13	1:M:276:SER:N	2.36	0.41
1:M:476:LYS:CD	1:M:527:TYR:HD1	2.34	0.41
1:M:499:GLN:NE2	1:M:554:ILE:HG12	2.30	0.41
1:M:974:UNK:O	1:M:985:UNK:HA	2.20	0.41
1:N:40:LEU:HD13	1:N:61:LEU:CD1	2.51	0.41
1:N:471:ILE:CG2	1:N:472:GLY:N	2.83	0.41
1:N:494:PHE:CE2	1:N:498:GLU:HB2	2.55	0.41
1:N:542:ILE:HD12	1:N:543:LEU:CA	2.50	0.41
1:O:68:LYS:CE	1:O:72:MET:SD	3.07	0.41
1:O:449:ILE:HD11	1:O:453:PHE:CE1	2.55	0.41
1:O:509:ASN:CA	1:O:648:UNK:CB	2.92	0.41
1:P:8:HIS:HD2	1:P:103:THR:HG23	1.85	0.41
1:P:107:ILE:HG23	1:P:108:GLU:N	2.35	0.41
1:P:142:ARG:HB2	1:P:143:PRO:CD	2.43	0.41
1:P:499:GLN:NE2	1:P:554:ILE:HG12	2.30	0.41
1:A:40:LEU:CG	1:A:44:GLU:HB3	2.50	0.41
1:A:73:VAL:CG1	1:A:74:GLN:N	2.84	0.41
1:A:107:ILE:HD13	1:A:110:ARG:NH2	2.36	0.41
1:A:244:LEU:HD22	1:A:262:ILE:HG23	2.03	0.41
1:A:275:LEU:HD13	1:A:276:SER:N	2.36	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:308:ARG:HH12	1:A:310:GLN:HB2	1.85	0.41
1:A:314:ARG:CZ	1:A:341:TRP:HH2	2.32	0.41
1:A:358:ASN:HD21	1:A:358:ASN:HA	1.48	0.41
1:A:487:PHE:HD2	1:A:524:TYR:CD1	2.39	0.41
1:A:499:GLN:HG2	1:A:554:ILE:CG1	2.50	0.41
1:A:508:TRP:CH2	1:A:671:UNK:O	2.74	0.41
1:A:974:UNK:O	1:A:985:UNK:HA	2.20	0.41
1:B:10:TYR:CZ	1:B:166:LEU:O	2.74	0.41
1:B:297:VAL:O	1:B:300:LEU:CG	2.68	0.41
1:B:484:MET:HE3	1:B:535:TYR:HE1	1.85	0.41
1:B:494:PHE:CE2	1:B:498:GLU:HB2	2.55	0.41
1:B:561:LEU:CA	1:B:564:ILE:CD1	2.95	0.41
1:C:270:GLN:O	1:C:274:PHE:CD2	2.74	0.41
1:C:285:LEU:O	1:C:287:HIS:HB2	2.21	0.41
1:C:314:ARG:CZ	1:C:341:TRP:HH2	2.32	0.41
1:C:414:GLN:HA	1:C:415:PRO:HD2	1.78	0.41
1:D:2:ASP:HB2	1:D:97:ARG:HH22	1.86	0.41
1:D:109:GLN:HG3	1:D:172:CYS:SG	2.60	0.41
1:D:123:TYR:CD1	1:D:303:LYS:C	2.94	0.41
1:D:307:CYS:HB3	1:D:308:ARG:H	1.66	0.41
1:D:403:ASN:O	1:D:407:LYS:HG3	2.21	0.41
1:D:476:LYS:CD	1:D:527:TYR:HD1	2.34	0.41
1:D:487:PHE:HD2	1:D:524:TYR:CD1	2.39	0.41
1:D:497:LEU:O	1:D:501:ILE:HG23	2.20	0.41
1:D:591:UNK:CB	1:D:1321:UNK:CA	2.94	0.41
1:E:228:LEU:CD2	1:E:232:LEU:CD1	2.94	0.41
1:F:40:LEU:O	1:F:41:SER:C	2.58	0.41
1:F:129:GLN:HB2	1:F:130:PRO:CD	2.44	0.41
1:F:183:LEU:CD2	1:F:183:LEU:N	2.83	0.41
1:F:270:GLN:O	1:F:274:PHE:CD2	2.74	0.41
1:F:374:VAL:CG1	1:F:446:HIS:CE1	3.03	0.41
1:F:403:ASN:O	1:F:407:LYS:HG3	2.21	0.41
1:G:27:PHE:CD1	1:G:31:ASP:OD2	2.74	0.41
1:G:87:PHE:CB	1:O:19:PHE:HE2	2.07	0.41
1:G:387:SER:O	1:G:391:PHE:CD2	2.74	0.41
1:G:459:ILE:CD1	1:G:493:ASP:OD2	2.69	0.41
1:H:36:PRO:HB3	1:H:42:LYS:HG2	2.03	0.41
1:H:40:LEU:HD13	1:H:61:LEU:CD1	2.51	0.41
1:H:94:THR:HG23	1:H:95:GLU:N	2.35	0.41
1:H:152:VAL:CG1	1:H:153:LEU:N	2.82	0.41
1:H:314:ARG:NE	1:H:341:TRP:CH2	2.86	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:387:SER:O	1:H:391:PHE:CD2	2.74	0.41
1:H:476:LYS:CE	1:H:529:CYS:SG	3.07	0.41
1:I:10:TYR:CE1	1:I:167:SER:O	2.74	0.41
1:I:123:TYR:O	1:I:304:TYR:CE1	2.74	0.41
1:I:268:PHE:CZ	1:I:407:LYS:HB3	2.55	0.41
1:I:390:TRP:HD1	1:I:398:VAL:CB	2.30	0.41
1:I:541:ALA:HB1	1:I:571:GLU:OE1	2.20	0.41
1:I:1051:UNK:HA	1:I:1067:UNK:HA	2.02	0.41
1:J:20:GLU:O	1:J:23:PHE:N	2.53	0.41
1:J:109:GLN:HG3	1:J:172:CYS:SG	2.60	0.41
1:J:123:TYR:CD1	1:J:303:LYS:C	2.94	0.41
1:J:127:ARG:CG	1:J:292:LEU:CD1	2.94	0.41
1:J:476:LYS:CD	1:J:527:TYR:HD1	2.34	0.41
1:J:528:ILE:CD1	1:J:529:CYS:N	2.82	0.41
1:K:40:LEU:HD13	1:K:61:LEU:CD1	2.50	0.41
1:K:107:ILE:HD13	1:K:110:ARG:NH2	2.36	0.41
1:K:164:VAL:O	1:K:168:TYR:CD2	2.73	0.41
1:K:270:GLN:O	1:K:274:PHE:CD2	2.74	0.41
1:K:497:LEU:O	1:K:501:ILE:HG23	2.20	0.41
1:K:563:ARG:CD	1:K:1039:UNK:CB	2.98	0.41
1:L:27:PHE:CD1	1:L:31:ASP:OD2	2.74	0.41
1:M:107:ILE:HD13	1:M:110:ARG:NH2	2.36	0.41
1:M:125:VAL:HB	1:M:300:LEU:HB3	2.02	0.41
1:M:308:ARG:HH12	1:M:310:GLN:HB2	1.85	0.41
1:M:458:LEU:HD23	1:M:458:LEU:HA	1.86	0.41
1:M:487:PHE:HD2	1:M:524:TYR:CD1	2.39	0.41
1:M:492:LEU:HD23	1:M:492:LEU:HA	1.46	0.41
1:M:1161:UNK:C	1:M:1163:UNK:N	2.82	0.41
1:N:123:TYR:CD1	1:N:303:LYS:C	2.94	0.41
1:N:337:THR:O	1:N:341:TRP:CE3	2.73	0.41
1:N:387:SER:O	1:N:391:PHE:CD2	2.74	0.41
1:N:458:LEU:HD12	1:N:580:GLN:HE21	1.85	0.41
1:N:476:LYS:CE	1:N:529:CYS:SG	3.07	0.41
1:O:27:PHE:CD1	1:O:31:ASP:OD2	2.74	0.41
1:O:217:ILE:HG23	1:O:218:LYS:N	2.34	0.41
1:O:268:PHE:CZ	1:O:407:LYS:HB3	2.55	0.41
1:O:395:LYS:HB3	1:O:396:SER:H	1.76	0.41
1:O:459:ILE:CD1	1:O:493:ASP:OD2	2.69	0.41
1:O:510:ALA:H	1:O:647:UNK:CA	2.34	0.41
1:O:1182:UNK:C	1:O:1184:UNK:N	2.83	0.41
1:P:109:GLN:HG3	1:P:172:CYS:SG	2.60	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:217:ILE:HG23	1:P:218:LYS:N	2.34	0.41
1:P:268:PHE:CZ	1:P:407:LYS:HB3	2.55	0.41
1:P:270:GLN:O	1:P:274:PHE:CD2	2.74	0.41
1:P:275:LEU:HD13	1:P:276:SER:N	2.36	0.41
1:P:374:VAL:CG1	1:P:446:HIS:CE1	3.03	0.41
1:P:450:PRO:CG	1:P:471:ILE:HD13	2.49	0.41
1:P:494:PHE:CE2	1:P:498:GLU:HB2	2.55	0.41
1:P:545:PHE:CZ	1:P:564:ILE:HG13	2.56	0.41
1:A:8:HIS:HD2	1:A:103:THR:HG23	1.85	0.41
1:A:24:VAL:CG1	1:A:25:ASP:N	2.82	0.41
1:A:35:MET:HG2	1:A:40:LEU:CG	2.51	0.41
1:A:36:PRO:HB3	1:A:42:LYS:HG2	2.03	0.41
1:A:122:LYS:C	1:A:123:TYR:CD1	2.94	0.41
1:A:197:GLN:O	1:A:201:TYR:CD2	2.74	0.41
1:A:256:PHE:CE2	1:A:260:CYS:O	2.73	0.41
1:A:301:LEU:CB	1:A:324:LEU:HD21	2.48	0.41
1:A:393:VAL:CG1	1:A:394:ILE:N	2.83	0.41
1:A:494:PHE:CE2	1:A:498:GLU:HB2	2.55	0.41
1:A:499:GLN:NE2	1:A:554:ILE:HG12	2.30	0.41
1:A:520:GLN:HG2	1:A:524:TYR:CE2	2.56	0.41
1:B:12:TYR:CD1	1:B:15:ILE:HG21	2.56	0.41
1:B:27:PHE:CD1	1:B:31:ASP:OD2	2.74	0.41
1:B:48:ILE:HG12	1:B:61:LEU:CA	2.51	0.41
1:B:120:PHE:HD1	1:B:121:ALA:N	2.10	0.41
1:B:122:LYS:C	1:B:123:TYR:CD1	2.94	0.41
1:B:123:TYR:CD1	1:B:303:LYS:C	2.94	0.41
1:B:128:LEU:H	1:B:128:LEU:CD1	2.31	0.41
1:B:180:TRP:CE3	1:B:243:VAL:CB	3.04	0.41
1:B:219:LEU:N	1:B:219:LEU:CD2	2.84	0.41
1:B:285:LEU:O	1:B:287:HIS:HB2	2.21	0.41
1:B:425:ILE:CG2	1:B:426:TYR:N	2.82	0.41
1:B:466:TYR:CE1	1:B:470:HIS:HB2	2.55	0.41
1:B:476:LYS:CD	1:B:527:TYR:HD1	2.34	0.41
1:B:509:ASN:CA	1:B:648:UNK:CB	2.92	0.41
1:B:527:TYR:HD1	1:B:527:TYR:HA	1.68	0.41
1:B:1182:UNK:C	1:B:1184:UNK:N	2.83	0.41
1:C:10:TYR:CE1	1:C:167:SER:O	2.74	0.41
1:C:27:PHE:CD1	1:C:31:ASP:OD2	2.74	0.41
1:C:32:VAL:N	1:C:45:ILE:CD1	2.83	0.41
1:C:73:VAL:CG1	1:C:74:GLN:N	2.84	0.41
1:C:107:ILE:HD13	1:C:110:ARG:NH2	2.36	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:109:GLN:HG3	1:C:172:CYS:SG	2.60	0.41
1:C:120:PHE:HD1	1:C:121:ALA:N	2.10	0.41
1:C:122:LYS:C	1:C:123:TYR:CD1	2.94	0.41
1:C:122:LYS:O	1:C:123:TYR:CG	2.74	0.41
1:C:153:LEU:HD23	1:C:322:ARG:HD3	1.99	0.41
1:C:164:VAL:O	1:C:168:TYR:CD2	2.73	0.41
1:C:197:GLN:O	1:C:201:TYR:CD2	2.74	0.41
1:C:244:LEU:CD2	1:C:262:ILE:CD1	2.94	0.41
1:C:314:ARG:NE	1:C:341:TRP:CH2	2.86	0.41
1:C:563:ARG:CD	1:C:1039:UNK:CB	2.98	0.41
1:D:20:GLU:O	1:D:23:PHE:N	2.53	0.41
1:D:75:LYS:HB2	1:D:75:LYS:HZ3	1.85	0.41
1:D:107:ILE:HD13	1:D:110:ARG:NH2	2.36	0.41
1:D:122:LYS:C	1:D:123:TYR:CD1	2.94	0.41
1:D:123:TYR:O	1:D:304:TYR:CE1	2.74	0.41
1:D:270:GLN:O	1:D:274:PHE:CD2	2.74	0.41
1:D:280:THR:CB	1:E:114:TYR:CE1	2.90	0.41
1:D:380:HIS:NE2	1:D:419:THR:CG2	2.83	0.41
1:D:541:ALA:HB1	1:D:571:GLU:OE1	2.20	0.41
1:E:19:PHE:HB2	1:E:88:LEU:HD11	1.98	0.41
1:E:36:PRO:HB3	1:E:42:LYS:HG2	2.03	0.41
1:E:48:ILE:HG12	1:E:61:LEU:CA	2.51	0.41
1:E:183:LEU:CD2	1:E:183:LEU:N	2.83	0.41
1:E:262:ILE:CG2	1:E:263:LEU:N	2.81	0.41
1:E:268:PHE:HE2	1:E:270:GLN:HB2	1.78	0.41
1:E:275:LEU:HD13	1:E:276:SER:N	2.36	0.41
1:E:335:LEU:HB3	1:E:337:THR:HG23	2.02	0.41
1:E:374:VAL:HG12	1:E:374:VAL:O	2.20	0.41
1:E:434:GLU:HG3	1:E:434:GLU:O	2.21	0.41
1:E:476:LYS:CD	1:E:527:TYR:HD1	2.34	0.41
1:E:538:LEU:CD1	1:E:572:ALA:HB3	2.42	0.41
1:E:591:UNK:CB	1:E:1321:UNK:CA	2.94	0.41
1:E:1051:UNK:HA	1:E:1067:UNK:HA	2.02	0.41
1:F:10:TYR:CZ	1:F:166:LEU:O	2.74	0.41
1:F:19:PHE:CD1	1:F:19:PHE:C	2.93	0.41
1:F:27:PHE:CD1	1:F:31:ASP:OD2	2.74	0.41
1:F:123:TYR:CD1	1:F:303:LYS:C	2.94	0.41
1:F:123:TYR:O	1:F:304:TYR:CE1	2.74	0.41
1:F:142:ARG:HB2	1:F:143:PRO:CD	2.43	0.41
1:F:268:PHE:CZ	1:F:407:LYS:HB3	2.55	0.41
1:F:369:PHE:HZ	1:F:427:LEU:HD21	1.80	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:446:HIS:HA	1:F:449:ILE:CG2	2.51	0.41
1:F:459:ILE:CD1	1:F:493:ASP:OD2	2.69	0.41
1:F:494:PHE:CE2	1:F:498:GLU:HB2	2.55	0.41
1:F:508:TRP:CH2	1:F:671:UNK:O	2.74	0.41
1:F:510:ALA:H	1:F:647:UNK:CA	2.33	0.41
1:F:545:PHE:CZ	1:F:564:ILE:HG13	2.56	0.41
1:F:563:ARG:CD	1:F:1039:UNK:CB	2.98	0.41
1:G:27:PHE:CD1	1:G:27:PHE:C	2.94	0.41
1:G:39:ILE:HD12	1:G:39:ILE:HA	1.70	0.41
1:G:68:LYS:CD	1:G:72:MET:SD	3.09	0.41
1:G:122:LYS:O	1:G:123:TYR:CG	2.74	0.41
1:G:193:LEU:HD23	1:G:193:LEU:HA	1.78	0.41
1:G:197:GLN:O	1:G:201:TYR:CD2	2.74	0.41
1:G:268:PHE:CZ	1:G:407:LYS:HB3	2.55	0.41
1:G:270:GLN:O	1:G:274:PHE:CD2	2.74	0.41
1:G:380:HIS:NE2	1:G:419:THR:CG2	2.83	0.41
1:G:414:GLN:HA	1:G:415:PRO:HD2	1.78	0.41
1:G:476:LYS:CD	1:G:527:TYR:HD1	2.34	0.41
1:G:509:ASN:CA	1:G:648:UNK:CB	2.92	0.41
1:G:545:PHE:CZ	1:G:564:ILE:HG13	2.56	0.41
1:G:1182:UNK:C	1:G:1184:UNK:N	2.83	0.41
1:H:27:PHE:CD1	1:H:31:ASP:OD2	2.74	0.41
1:H:48:ILE:HG12	1:H:61:LEU:CA	2.51	0.41
1:H:68:LYS:CD	1:H:72:MET:SD	3.09	0.41
1:H:105:MET:HE1	1:H:106:TYR:CE1	2.55	0.41
1:H:122:LYS:C	1:H:123:TYR:CD1	2.94	0.41
1:H:123:TYR:CD1	1:H:303:LYS:C	2.94	0.41
1:H:125:VAL:HB	1:H:300:LEU:HB3	2.02	0.41
1:H:206:ASN:HB3	1:H:207:TRP:H	1.41	0.41
1:H:285:LEU:O	1:H:287:HIS:HB2	2.21	0.41
1:H:298:LYS:HZ1	1:H:316:VAL:HG12	1.84	0.41
1:H:337:THR:O	1:H:341:TRP:CE3	2.73	0.41
1:H:374:VAL:CG1	1:H:446:HIS:CE1	3.03	0.41
1:H:434:GLU:HG3	1:H:434:GLU:O	2.21	0.41
1:H:458:LEU:HD12	1:H:580:GLN:HE21	1.85	0.41
1:H:487:PHE:HD2	1:H:524:TYR:CD1	2.39	0.41
1:H:1161:UNK:C	1:H:1163:UNK:N	2.82	0.41
1:I:10:TYR:CZ	1:I:166:LEU:O	2.74	0.41
1:I:24:VAL:CA	1:I:27:PHE:CE2	2.94	0.41
1:I:36:PRO:HB3	1:I:42:LYS:HG2	2.03	0.41
1:I:39:ILE:O	1:I:72:MET:HE1	2.21	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:114:TYR:CE1	1:J:280:THR:CB	2.90	0.41
1:I:148:LEU:HD21	1:I:264:LEU:HD13	1.99	0.41
1:I:204:ASP:CG	1:I:235:LYS:HZ1	2.23	0.41
1:I:262:ILE:CG2	1:I:263:LEU:N	2.81	0.41
1:I:335:LEU:HB3	1:I:337:THR:HG23	2.02	0.41
1:I:374:VAL:HG12	1:I:374:VAL:O	2.20	0.41
1:I:376:PRO:HA	1:I:377:PRO:HD2	1.79	0.41
1:I:434:GLU:O	1:I:434:GLU:HG3	2.21	0.41
1:I:476:LYS:CD	1:I:527:TYR:HD1	2.34	0.41
1:I:591:UNK:CB	1:I:1321:UNK:CA	2.94	0.41
1:J:2:ASP:HB2	1:J:97:ARG:HH22	1.86	0.41
1:J:52:LYS:HB2	1:J:52:LYS:HZ3	1.85	0.41
1:J:75:LYS:HB2	1:J:75:LYS:HZ3	1.85	0.41
1:J:107:ILE:HD13	1:J:110:ARG:NH2	2.36	0.41
1:J:122:LYS:C	1:J:123:TYR:CD1	2.94	0.41
1:J:180:TRP:CE3	1:J:243:VAL:CB	3.04	0.41
1:J:206:ASN:HB3	1:J:207:TRP:H	1.41	0.41
1:J:270:GLN:O	1:J:274:PHE:CD2	2.74	0.41
1:J:380:HIS:NE2	1:J:419:THR:CG2	2.83	0.41
1:J:511:SER:HB3	1:J:646:UNK:HA	2.02	0.41
1:J:1182:UNK:C	1:J:1184:UNK:N	2.83	0.41
1:K:12:TYR:CD1	1:K:15:ILE:HG21	2.56	0.41
1:K:19:PHE:CD1	1:K:19:PHE:C	2.93	0.41
1:K:21:ASP:HA	1:K:24:VAL:CG1	2.49	0.41
1:K:73:VAL:CG1	1:K:74:GLN:N	2.84	0.41
1:K:109:GLN:HG3	1:K:172:CYS:SG	2.60	0.41
1:K:122:LYS:O	1:K:123:TYR:CG	2.74	0.41
1:K:197:GLN:O	1:K:201:TYR:CD2	2.74	0.41
1:K:235:LYS:HB2	1:K:237:TYR:HE2	1.78	0.41
1:K:301:LEU:CB	1:K:324:LEU:HD21	2.48	0.41
1:K:308:ARG:HH12	1:K:310:GLN:HB2	1.85	0.41
1:K:314:ARG:NE	1:K:341:TRP:CH2	2.86	0.41
1:K:314:ARG:CZ	1:K:341:TRP:HH2	2.32	0.41
1:K:353:ILE:HG21	1:K:430:LYS:CD	2.46	0.41
1:K:376:PRO:HA	1:K:377:PRO:HD2	1.79	0.41
1:K:446:HIS:HA	1:K:449:ILE:CG2	2.51	0.41
1:K:739:UNK:C	1:K:741:UNK:N	2.82	0.41
1:L:12:TYR:CD1	1:L:15:ILE:HG21	2.56	0.41
1:L:48:ILE:HG12	1:L:61:LEU:CA	2.51	0.41
1:L:113:LEU:CD2	1:L:166:LEU:CD1	2.94	0.41
1:L:123:TYR:CD1	1:L:303:LYS:C	2.94	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:180:TRP:CE3	1:L:243:VAL:CB	3.04	0.41
1:L:216:ASN:HD21	1:L:216:ASN:N	2.09	0.41
1:L:253:TRP:HE3	1:L:275:LEU:CB	2.31	0.41
1:L:297:VAL:O	1:L:300:LEU:CG	2.68	0.41
1:L:335:LEU:HB3	1:L:337:THR:HG23	2.02	0.41
1:L:376:PRO:HD2	1:L:470:HIS:HD2	1.84	0.41
1:L:380:HIS:CE1	1:L:464:ASP:CB	3.01	0.41
1:L:484:MET:HE3	1:L:535:TYR:HE1	1.85	0.41
1:L:487:PHE:HD2	1:L:524:TYR:CD1	2.39	0.41
1:L:511:SER:HB3	1:L:646:UNK:HA	2.02	0.41
1:L:1051:UNK:HA	1:L:1067:UNK:HA	2.02	0.41
1:L:1182:UNK:C	1:L:1184:UNK:N	2.83	0.41
1:M:8:HIS:HD2	1:M:103:THR:HG23	1.85	0.41
1:M:10:TYR:CZ	1:M:166:LEU:O	2.74	0.41
1:M:35:MET:HG2	1:M:40:LEU:CG	2.51	0.41
1:M:73:VAL:CG1	1:M:74:GLN:N	2.84	0.41
1:M:122:LYS:C	1:M:123:TYR:CD1	2.94	0.41
1:M:179:PHE:HE1	1:M:240:CYS:HG	1.67	0.41
1:M:183:LEU:CD2	1:M:183:LEU:N	2.83	0.41
1:M:197:GLN:O	1:M:201:TYR:CD2	2.74	0.41
1:M:219:LEU:N	1:M:219:LEU:CD2	2.84	0.41
1:M:244:LEU:HD22	1:M:262:ILE:HG23	2.03	0.41
1:M:256:PHE:CE2	1:M:260:CYS:O	2.73	0.41
1:M:262:ILE:CG2	1:M:264:LEU:CG	2.95	0.41
1:M:297:VAL:O	1:M:300:LEU:CG	2.68	0.41
1:M:300:LEU:CD1	1:M:301:LEU:N	2.82	0.41
1:M:301:LEU:CD1	1:M:305:LEU:CD1	2.95	0.41
1:M:301:LEU:CB	1:M:324:LEU:HD21	2.48	0.41
1:M:372:LEU:HD23	1:M:372:LEU:C	2.38	0.41
1:M:393:VAL:CG1	1:M:394:ILE:N	2.83	0.41
1:M:411:VAL:CG2	1:M:412:GLU:H	2.19	0.41
1:M:466:TYR:CE1	1:M:470:HIS:HB2	2.55	0.41
1:M:494:PHE:CE2	1:M:498:GLU:HB2	2.55	0.41
1:M:499:GLN:HG2	1:M:554:ILE:CG1	2.50	0.41
1:M:508:TRP:CH2	1:M:671:UNK:O	2.74	0.41
1:M:520:GLN:HG2	1:M:524:TYR:CE2	2.56	0.41
1:M:561:LEU:CA	1:M:564:ILE:CD1	2.95	0.41
1:N:27:PHE:CD1	1:N:31:ASP:OD2	2.74	0.41
1:N:36:PRO:HB3	1:N:42:LYS:HG2	2.03	0.41
1:N:48:ILE:HG12	1:N:61:LEU:CA	2.51	0.41
1:N:68:LYS:CD	1:N:72:MET:SD	3.09	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:68:LYS:CE	1:N:72:MET:SD	3.07	0.41
1:N:94:THR:HG23	1:N:95:GLU:N	2.35	0.41
1:N:120:PHE:CD1	1:N:121:ALA:N	2.81	0.41
1:N:125:VAL:HB	1:N:300:LEU:HB3	2.02	0.41
1:N:244:LEU:HD22	1:N:262:ILE:HG23	2.03	0.41
1:N:253:TRP:CE3	1:N:275:LEU:HB2	2.55	0.41
1:N:285:LEU:O	1:N:287:HIS:HB2	2.21	0.41
1:N:314:ARG:NE	1:N:341:TRP:CH2	2.86	0.41
1:N:358:ASN:HD21	1:N:358:ASN:HA	1.48	0.41
1:N:374:VAL:CG1	1:N:446:HIS:CE1	3.03	0.41
1:N:408:TYR:HB2	1:N:411:VAL:HG22	2.02	0.41
1:N:434:GLU:HG3	1:N:434:GLU:O	2.21	0.41
1:N:487:PHE:HD2	1:N:524:TYR:CD1	2.39	0.41
1:N:561:LEU:CA	1:N:564:ILE:CD1	2.95	0.41
1:N:1161:UNK:C	1:N:1163:UNK:N	2.82	0.41
1:N:1182:UNK:C	1:N:1184:UNK:N	2.83	0.41
1:O:27:PHE:CD1	1:O:27:PHE:C	2.94	0.41
1:O:68:LYS:CD	1:O:72:MET:SD	3.09	0.41
1:O:122:LYS:O	1:O:123:TYR:CG	2.74	0.41
1:O:157:LYS:HE3	1:O:265:THR:HB	1.99	0.41
1:O:270:GLN:O	1:O:274:PHE:CD2	2.74	0.41
1:O:380:HIS:HE1	1:O:464:ASP:HB2	1.83	0.41
1:O:380:HIS:NE2	1:O:419:THR:CG2	2.83	0.41
1:O:387:SER:O	1:O:391:PHE:CD2	2.74	0.41
1:O:458:LEU:HD12	1:O:580:GLN:HE21	1.84	0.41
1:O:476:LYS:CD	1:O:527:TYR:HD1	2.34	0.41
1:O:545:PHE:CZ	1:O:564:ILE:HG13	2.56	0.41
1:O:561:LEU:CA	1:O:564:ILE:CD1	2.95	0.41
1:P:10:TYR:CZ	1:P:166:LEU:O	2.74	0.41
1:P:19:PHE:CD1	1:P:19:PHE:C	2.93	0.41
1:P:20:GLU:HA	1:P:85:TYR:HH	1.83	0.41
1:P:27:PHE:CD1	1:P:31:ASP:OD2	2.74	0.41
1:P:40:LEU:O	1:P:41:SER:C	2.58	0.41
1:P:84:ASN:CA	1:P:89:MET:HE1	2.42	0.41
1:P:123:TYR:CD1	1:P:303:LYS:C	2.94	0.41
1:P:123:TYR:O	1:P:304:TYR:CE1	2.74	0.41
1:P:146:ASN:CB	1:P:275:LEU:CD1	2.94	0.41
1:P:253:TRP:CE3	1:P:275:LEU:HB2	2.55	0.41
1:P:268:PHE:HD1	1:P:268:PHE:HA	1.62	0.41
1:P:300:LEU:CD1	1:P:301:LEU:N	2.82	0.41
1:P:353:ILE:HG21	1:P:430:LYS:CD	2.46	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:403:ASN:O	1:P:407:LYS:HG3	2.21	0.41
1:P:443:ILE:CG2	1:P:444:VAL:N	2.83	0.41
1:P:459:ILE:CD1	1:P:493:ASP:OD2	2.69	0.41
1:P:508:TRP:CH2	1:P:671:UNK:O	2.74	0.41
1:P:510:ALA:H	1:P:647:UNK:CA	2.33	0.41
1:P:523:PHE:O	1:P:527:TYR:CD2	2.73	0.41
1:P:563:ARG:CD	1:P:1039:UNK:CB	2.98	0.41
1:A:77:VAL:HG13	1:A:78:GLU:N	2.36	0.41
1:A:105:MET:HE1	1:A:106:TYR:CE1	2.57	0.41
1:A:142:ARG:HB2	1:A:142:ARG:HH11	1.86	0.41
1:A:203:ILE:HD12	1:A:231:LEU:HD23	2.03	0.41
1:A:219:LEU:N	1:A:219:LEU:CD2	2.84	0.41
1:A:262:ILE:CG2	1:A:264:LEU:CG	2.95	0.41
1:A:434:GLU:HG3	1:A:434:GLU:O	2.21	0.41
1:A:466:TYR:CE1	1:A:470:HIS:HB2	2.55	0.41
1:A:489:MET:SD	1:A:539:VAL:HB	2.60	0.41
1:B:10:TYR:CE1	1:B:167:SER:O	2.74	0.41
1:B:27:PHE:CD1	1:B:27:PHE:C	2.94	0.41
1:B:335:LEU:HB3	1:B:337:THR:HG23	2.02	0.41
1:B:434:GLU:HG3	1:B:434:GLU:O	2.21	0.41
1:B:487:PHE:HD2	1:B:524:TYR:CD1	2.39	0.41
1:B:739:UNK:C	1:B:741:UNK:N	2.82	0.41
1:B:1051:UNK:HA	1:B:1067:UNK:HA	2.02	0.41
1:C:12:TYR:CD1	1:C:15:ILE:HG21	2.56	0.41
1:C:37:LYS:HD2	1:C:37:LYS:C	2.42	0.41
1:C:123:TYR:O	1:C:304:TYR:CE1	2.74	0.41
1:C:297:VAL:O	1:C:300:LEU:CG	2.68	0.41
1:C:301:LEU:CB	1:C:324:LEU:HD21	2.48	0.41
1:C:308:ARG:HH12	1:C:310:GLN:HB2	1.85	0.41
1:C:387:SER:O	1:C:391:PHE:CD2	2.74	0.41
1:C:393:VAL:CG1	1:C:394:ILE:N	2.83	0.41
1:C:446:HIS:HA	1:C:449:ILE:CG2	2.51	0.41
1:C:476:LYS:CD	1:C:527:TYR:HD1	2.34	0.41
1:D:127:ARG:CG	1:D:292:LEU:CD1	2.94	0.41
1:D:180:TRP:CE3	1:D:243:VAL:CB	3.04	0.41
1:D:207:TRP:HB3	1:D:210:ARG:NE	2.35	0.41
1:D:974:UNK:O	1:D:985:UNK:HA	2.20	0.41
1:D:1051:UNK:HA	1:D:1067:UNK:HA	2.02	0.41
1:D:1182:UNK:C	1:D:1184:UNK:N	2.83	0.41
1:E:10:TYR:CZ	1:E:166:LEU:O	2.74	0.41
1:E:24:VAL:CA	1:E:27:PHE:CE2	2.94	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:24:VAL:CG2	1:E:27:PHE:CE2	2.94	0.41
1:E:109:GLN:HE21	1:E:109:GLN:HB3	1.76	0.41
1:E:146:ASN:N	1:E:146:ASN:HD22	2.18	0.41
1:E:148:LEU:HD21	1:E:264:LEU:HD13	1.99	0.41
1:E:510:ALA:H	1:E:647:UNK:CA	2.34	0.41
1:F:34:ASP:C	1:F:36:PRO:HD2	2.41	0.41
1:F:102:MET:O	1:F:106:TYR:CD2	2.74	0.41
1:F:125:VAL:HB	1:F:300:LEU:HB3	2.02	0.41
1:F:146:ASN:N	1:F:146:ASN:HD22	2.18	0.41
1:F:253:TRP:CE3	1:F:275:LEU:HB2	2.55	0.41
1:F:300:LEU:CD1	1:F:301:LEU:N	2.82	0.41
1:F:443:ILE:CG2	1:F:444:VAL:N	2.83	0.41
1:F:476:LYS:CD	1:F:527:TYR:HD1	2.34	0.41
1:F:499:GLN:NE2	1:F:554:ILE:HG12	2.30	0.41
1:F:523:PHE:O	1:F:527:TYR:CD2	2.73	0.41
1:G:77:VAL:HG13	1:G:78:GLU:N	2.36	0.41
1:G:361:GLU:CG	1:G:365:TYR:HD1	2.28	0.41
1:G:374:VAL:CG1	1:G:446:HIS:CE1	3.03	0.41
1:G:380:HIS:HE1	1:G:464:ASP:HB2	1.84	0.41
1:G:403:ASN:O	1:G:407:LYS:HG3	2.20	0.41
1:G:1051:UNK:HA	1:G:1067:UNK:HA	2.02	0.41
1:H:146:ASN:N	1:H:146:ASN:HD22	2.18	0.41
1:H:207:TRP:HB3	1:H:210:ARG:NE	2.35	0.41
1:H:244:LEU:HD22	1:H:262:ILE:HG23	2.03	0.41
1:H:270:GLN:O	1:H:274:PHE:CD2	2.74	0.41
1:H:411:VAL:CG2	1:H:412:GLU:H	2.19	0.41
1:H:508:TRP:CH2	1:H:671:UNK:O	2.74	0.41
1:H:545:PHE:CZ	1:H:564:ILE:HG13	2.56	0.41
1:H:1182:UNK:C	1:H:1184:UNK:N	2.83	0.41
1:I:27:PHE:CD1	1:I:31:ASP:OD2	2.74	0.41
1:I:48:ILE:HG12	1:I:61:LEU:CA	2.51	0.41
1:I:275:LEU:HD13	1:I:276:SER:N	2.36	0.41
1:I:551:GLU:OE1	1:I:551:GLU:HA	2.20	0.41
1:J:123:TYR:O	1:J:304:TYR:CE1	2.74	0.41
1:J:148:LEU:HD21	1:J:264:LEU:HD13	1.99	0.41
1:J:192:VAL:CG2	1:J:193:LEU:N	2.82	0.41
1:J:207:TRP:HB3	1:J:210:ARG:NE	2.35	0.41
1:J:434:GLU:HG3	1:J:434:GLU:O	2.21	0.41
1:J:541:ALA:HB1	1:J:571:GLU:OE1	2.20	0.41
1:J:974:UNK:O	1:J:985:UNK:HA	2.20	0.41
1:J:1051:UNK:HA	1:J:1067:UNK:HA	2.02	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:10:TYR:CE1	1:K:167:SER:O	2.74	0.41
1:K:27:PHE:CD1	1:K:31:ASP:OD2	2.74	0.41
1:K:36:PRO:HB3	1:K:42:LYS:HG2	2.03	0.41
1:K:37:LYS:HD2	1:K:37:LYS:C	2.42	0.41
1:K:120:PHE:HD1	1:K:121:ALA:N	2.10	0.41
1:K:122:LYS:C	1:K:123:TYR:CD1	2.94	0.41
1:K:123:TYR:O	1:K:304:TYR:CE1	2.74	0.41
1:K:476:LYS:CD	1:K:527:TYR:HD1	2.34	0.41
1:L:10:TYR:CE1	1:L:167:SER:O	2.74	0.41
1:L:32:VAL:CG1	1:L:45:ILE:HG21	2.47	0.41
1:L:122:LYS:C	1:L:123:TYR:CD1	2.94	0.41
1:L:219:LEU:N	1:L:219:LEU:CD2	2.84	0.41
1:L:275:LEU:HD13	1:L:276:SER:N	2.36	0.41
1:L:285:LEU:O	1:L:287:HIS:HB2	2.21	0.41
1:L:391:PHE:CD1	1:L:398:VAL:CG1	2.93	0.41
1:L:411:VAL:CG2	1:L:412:GLU:H	2.19	0.41
1:L:425:ILE:CG2	1:L:426:TYR:N	2.82	0.41
1:L:434:GLU:HG3	1:L:434:GLU:O	2.21	0.41
1:L:466:TYR:CE1	1:L:470:HIS:HB2	2.55	0.41
1:L:476:LYS:CD	1:L:527:TYR:HD1	2.34	0.41
1:L:542:ILE:CG1	1:L:543:LEU:N	2.85	0.41
1:L:563:ARG:CD	1:L:1039:UNK:CB	2.98	0.41
1:M:36:PRO:HB3	1:M:42:LYS:HG2	2.03	0.41
1:M:105:MET:HE1	1:M:106:TYR:CE1	2.56	0.41
1:M:119:VAL:CG2	1:N:277:ALA:C	2.83	0.41
1:M:142:ARG:HB2	1:M:142:ARG:HH11	1.86	0.41
1:M:203:ILE:HD12	1:M:231:LEU:HD23	2.03	0.41
1:M:358:ASN:HD21	1:M:358:ASN:HA	1.48	0.41
1:M:434:GLU:HG3	1:M:434:GLU:O	2.21	0.41
1:N:65:LEU:HD12	1:N:72:MET:HG2	2.01	0.41
1:N:107:ILE:HD13	1:N:110:ARG:NH2	2.36	0.41
1:N:122:LYS:C	1:N:123:TYR:CD1	2.94	0.41
1:N:146:ASN:N	1:N:146:ASN:HD22	2.18	0.41
1:N:157:LYS:HE3	1:N:265:THR:HB	1.99	0.41
1:O:77:VAL:HG13	1:O:78:GLU:N	2.36	0.41
1:O:146:ASN:CB	1:O:275:LEU:CD1	2.94	0.41
1:O:197:GLN:O	1:O:201:TYR:CD2	2.74	0.41
1:O:446:HIS:HA	1:O:449:ILE:CG2	2.51	0.41
1:O:492:LEU:HD23	1:O:492:LEU:HA	1.46	0.41
1:O:1051:UNK:HA	1:O:1067:UNK:HA	2.02	0.41
1:P:34:ASP:C	1:P:36:PRO:HD2	2.41	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:36:PRO:HB3	1:P:42:LYS:HG2	2.03	0.41
1:P:68:LYS:CD	1:P:72:MET:SD	3.09	0.41
1:P:102:MET:O	1:P:106:TYR:CD2	2.74	0.41
1:P:129:GLN:HB2	1:P:130:PRO:CD	2.44	0.41
1:P:244:LEU:CD2	1:P:262:ILE:CD1	2.94	0.41
1:P:446:HIS:HA	1:P:449:ILE:CG2	2.51	0.41
1:P:510:ALA:N	1:P:648:UNK:N	2.67	0.41
1:A:10:TYR:CZ	1:A:166:LEU:O	2.74	0.40
1:A:20:GLU:HA	1:A:85:TYR:HH	1.85	0.40
1:A:34:ASP:N	1:A:36:PRO:HD2	2.34	0.40
1:A:138:LEU:CD1	1:A:263:LEU:HD11	2.51	0.40
1:A:297:VAL:O	1:A:300:LEU:CG	2.68	0.40
1:A:298:LYS:HZ1	1:A:316:VAL:HG12	1.86	0.40
1:A:300:LEU:CD1	1:A:301:LEU:N	2.82	0.40
1:A:372:LEU:HD23	1:A:372:LEU:C	2.38	0.40
1:A:542:ILE:CG1	1:A:543:LEU:N	2.85	0.40
1:A:561:LEU:CA	1:A:564:ILE:CD1	2.95	0.40
1:B:11:GLN:NE2	1:B:106:TYR:CD2	2.86	0.40
1:B:24:VAL:CG1	1:B:25:ASP:N	2.82	0.40
1:B:37:LYS:HD2	1:B:37:LYS:C	2.42	0.40
1:B:142:ARG:CB	1:B:142:ARG:CZ	2.99	0.40
1:B:262:ILE:HG22	1:B:264:LEU:HD11	1.99	0.40
1:B:275:LEU:HD13	1:B:276:SER:N	2.36	0.40
1:B:471:ILE:CG2	1:B:472:GLY:N	2.83	0.40
1:B:542:ILE:CG1	1:B:543:LEU:N	2.85	0.40
1:B:563:ARG:CD	1:B:1039:UNK:CB	2.98	0.40
1:C:10:TYR:CZ	1:C:166:LEU:O	2.74	0.40
1:C:21:ASP:HA	1:C:24:VAL:CG1	2.49	0.40
1:C:110:ARG:HG2	1:C:114:TYR:HE2	1.86	0.40
1:C:132:LEU:O	1:C:135:ARG:HD3	2.20	0.40
1:C:353:ILE:HG21	1:C:430:LYS:CD	2.46	0.40
1:C:545:PHE:CZ	1:C:564:ILE:HG13	2.56	0.40
1:C:1051:UNK:HA	1:C:1067:UNK:HA	2.02	0.40
1:D:21:ASP:HA	1:D:24:VAL:CG1	2.49	0.40
1:D:138:LEU:CD1	1:D:263:LEU:HD11	2.51	0.40
1:D:153:LEU:HD23	1:D:322:ARG:HD3	2.00	0.40
1:D:314:ARG:CZ	1:D:341:TRP:HH2	2.32	0.40
1:D:317:LEU:HA	1:D:318:THR:HA	1.73	0.40
1:D:357:LEU:CD2	1:D:366:ARG:CD	2.95	0.40
1:D:358:ASN:HD21	1:D:358:ASN:HA	1.48	0.40
1:D:511:SER:HB3	1:D:646:UNK:HA	2.02	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:27:PHE:CD1	1:E:31:ASP:OD2	2.74	0.40
1:E:102:MET:O	1:E:106:TYR:CD2	2.74	0.40
1:E:123:TYR:CD1	1:E:303:LYS:C	2.94	0.40
1:E:376:PRO:HA	1:E:377:PRO:HD2	1.79	0.40
1:E:459:ILE:CD1	1:E:493:ASP:OD2	2.69	0.40
1:F:68:LYS:CD	1:F:72:MET:SD	3.09	0.40
1:F:128:LEU:H	1:F:128:LEU:CD1	2.31	0.40
1:F:146:ASN:CB	1:F:275:LEU:CD1	2.94	0.40
1:F:203:ILE:HD12	1:F:231:LEU:HD23	2.03	0.40
1:F:307:CYS:HB3	1:F:308:ARG:H	1.66	0.40
1:F:541:ALA:HB1	1:F:571:GLU:OE1	2.20	0.40
1:F:1051:UNK:HA	1:F:1067:UNK:HA	2.02	0.40
1:G:34:ASP:C	1:G:36:PRO:HD2	2.41	0.40
1:G:458:LEU:HD12	1:G:580:GLN:HE21	1.84	0.40
1:G:487:PHE:HD2	1:G:524:TYR:CD1	2.39	0.40
1:G:1251:UNK:O	1:G:1252:UNK:C	2.68	0.40
1:H:65:LEU:HD12	1:H:72:MET:HG2	2.01	0.40
1:H:107:ILE:HD13	1:H:110:ARG:NH2	2.36	0.40
1:H:122:LYS:O	1:H:123:TYR:CG	2.74	0.40
1:H:148:LEU:CD2	1:H:282:HIS:HE1	2.17	0.40
1:H:446:HIS:HA	1:H:449:ILE:CG2	2.51	0.40
1:H:492:LEU:HA	1:H:492:LEU:HD23	1.46	0.40
1:H:561:LEU:CA	1:H:564:ILE:CD1	2.95	0.40
1:I:123:TYR:CD1	1:I:303:LYS:C	2.94	0.40
1:I:146:ASN:N	1:I:146:ASN:HD22	2.18	0.40
1:I:381:ILE:HA	1:I:382:PRO:HD2	1.88	0.40
1:I:459:ILE:CD1	1:I:493:ASP:OD2	2.69	0.40
1:I:676:UNK:C	1:I:678:UNK:N	2.80	0.40
1:J:19:PHE:CD1	1:J:19:PHE:C	2.93	0.40
1:J:37:LYS:HD2	1:J:37:LYS:C	2.42	0.40
1:J:138:LEU:CD1	1:J:263:LEU:HD11	2.51	0.40
1:K:65:LEU:HA	1:K:72:MET:HE2	1.98	0.40
1:K:153:LEU:HD23	1:K:322:ARG:HD3	1.99	0.40
1:K:200:LEU:CD1	1:K:208:THR:CG2	2.95	0.40
1:K:297:VAL:O	1:K:300:LEU:CG	2.68	0.40
1:K:387:SER:O	1:K:391:PHE:CD2	2.74	0.40
1:K:393:VAL:CG1	1:K:394:ILE:N	2.83	0.40
1:K:466:TYR:CE1	1:K:470:HIS:HB2	2.55	0.40
1:K:520:GLN:HG2	1:K:524:TYR:CE2	2.56	0.40
1:L:18:VAL:CG2	1:L:19:PHE:N	2.84	0.40
1:L:27:PHE:CD1	1:L:27:PHE:C	2.94	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:40:LEU:HD13	1:L:61:LEU:CD1	2.51	0.40
1:L:120:PHE:HD1	1:L:121:ALA:N	2.10	0.40
1:L:270:GLN:O	1:L:274:PHE:CD2	2.74	0.40
1:L:459:ILE:CD1	1:L:493:ASP:OD2	2.69	0.40
1:M:3:PHE:CZ	1:N:281:THR:CG2	2.97	0.40
1:M:34:ASP:N	1:M:36:PRO:HD2	2.34	0.40
1:M:77:VAL:HG13	1:M:78:GLU:N	2.36	0.40
1:M:138:LEU:CD1	1:M:263:LEU:HD11	2.51	0.40
1:M:235:LYS:HB2	1:M:237:TYR:HE2	1.78	0.40
1:M:475:LEU:HA	1:M:475:LEU:HD23	1.89	0.40
1:M:489:MET:SD	1:M:539:VAL:HB	2.60	0.40
1:M:542:ILE:CG1	1:M:543:LEU:N	2.85	0.40
1:N:122:LYS:O	1:N:123:TYR:CG	2.74	0.40
1:N:138:LEU:CD1	1:N:263:LEU:HD11	2.51	0.40
1:N:207:TRP:HB3	1:N:210:ARG:NE	2.35	0.40
1:N:270:GLN:O	1:N:274:PHE:CD2	2.74	0.40
1:N:459:ILE:CD1	1:N:493:ASP:OD2	2.69	0.40
1:N:497:LEU:HD23	1:N:497:LEU:HA	1.61	0.40
1:N:508:TRP:CH2	1:N:671:UNK:O	2.74	0.40
1:N:545:PHE:CZ	1:N:564:ILE:HG13	2.56	0.40
1:O:32:VAL:CG1	1:O:45:ILE:HG21	2.47	0.40
1:O:34:ASP:C	1:O:36:PRO:HD2	2.41	0.40
1:O:262:ILE:CG2	1:O:263:LEU:N	2.81	0.40
1:O:317:LEU:HA	1:O:318:THR:HA	1.73	0.40
1:O:374:VAL:CG1	1:O:446:HIS:CE1	3.03	0.40
1:O:434:GLU:HG3	1:O:434:GLU:O	2.21	0.40
1:O:458:LEU:HA	1:O:458:LEU:HD23	1.86	0.40
1:P:125:VAL:HB	1:P:300:LEU:HB3	2.02	0.40
1:P:146:ASN:N	1:P:146:ASN:HD22	2.18	0.40
1:P:192:VAL:CG2	1:P:193:LEU:N	2.82	0.40
1:P:200:LEU:HD23	1:P:200:LEU:HA	1.89	0.40
1:P:203:ILE:HD12	1:P:231:LEU:HD23	2.03	0.40
1:P:476:LYS:CD	1:P:527:TYR:HD1	2.34	0.40
1:A:12:TYR:CD1	1:A:15:ILE:HG21	2.56	0.40
1:A:80:VAL:CG1	1:A:81:LEU:N	2.82	0.40
1:A:374:VAL:HG12	1:A:374:VAL:O	2.20	0.40
1:A:487:PHE:HB3	1:A:524:TYR:HE1	1.86	0.40
1:B:18:VAL:CG2	1:B:19:PHE:N	2.84	0.40
1:B:36:PRO:HB3	1:B:42:LYS:HG2	2.03	0.40
1:B:40:LEU:HD13	1:B:61:LEU:CD1	2.51	0.40
1:B:270:GLN:O	1:B:274:PHE:CD2	2.74	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:387:SER:O	1:B:391:PHE:CD2	2.74	0.40
1:B:459:ILE:CD1	1:B:493:ASP:OD2	2.69	0.40
1:C:36:PRO:HB3	1:C:42:LYS:HG2	2.03	0.40
1:C:68:LYS:CD	1:C:72:MET:SD	3.09	0.40
1:C:77:VAL:HG13	1:C:78:GLU:N	2.36	0.40
1:C:235:LYS:HB2	1:C:237:TYR:HE2	1.78	0.40
1:C:494:PHE:CE2	1:C:498:GLU:HB2	2.55	0.40
1:C:520:GLN:HG2	1:C:524:TYR:CE2	2.56	0.40
1:D:37:LYS:HD2	1:D:37:LYS:C	2.42	0.40
1:D:83:ILE:O	1:D:83:ILE:HG22	2.22	0.40
1:D:85:TYR:HE2	1:D:88:LEU:HG	1.86	0.40
1:D:148:LEU:HD21	1:D:264:LEU:HD13	1.99	0.40
1:D:192:VAL:CG2	1:D:193:LEU:N	2.82	0.40
1:D:242:LEU:CB	1:D:262:ILE:HD13	2.51	0.40
1:D:304:TYR:HH	3:D:1402:DTP:C2	2.35	0.40
1:D:376:PRO:HD2	1:D:470:HIS:HD2	1.84	0.40
1:D:434:GLU:O	1:D:434:GLU:HG3	2.21	0.40
1:D:563:ARG:CD	1:D:1039:UNK:CB	2.98	0.40
1:D:581:VAL:HA	1:D:1035:UNK:CA	2.52	0.40
1:D:739:UNK:C	1:D:741:UNK:N	2.82	0.40
1:E:37:LYS:HD2	1:E:37:LYS:C	2.42	0.40
1:E:197:GLN:O	1:E:201:TYR:CD2	2.74	0.40
1:E:551:GLU:OE1	1:E:551:GLU:HA	2.20	0.40
1:F:20:GLU:HA	1:F:85:TYR:HH	1.84	0.40
1:F:36:PRO:HB3	1:F:42:LYS:HG2	2.03	0.40
1:F:192:VAL:CG2	1:F:193:LEU:N	2.82	0.40
1:F:224:ILE:O	1:F:224:ILE:HG22	2.19	0.40
1:F:244:LEU:CD2	1:F:262:ILE:CD1	2.94	0.40
1:F:393:VAL:CG1	1:F:394:ILE:N	2.83	0.40
1:F:510:ALA:N	1:F:648:UNK:N	2.67	0.40
1:F:528:ILE:CD1	1:F:529:CYS:N	2.82	0.40
1:G:40:LEU:CG	1:G:64:THR:HG21	2.33	0.40
1:G:102:MET:O	1:G:106:TYR:CD2	2.74	0.40
1:G:107:ILE:HD13	1:G:110:ARG:NH2	2.36	0.40
1:G:128:LEU:H	1:G:128:LEU:CD1	2.31	0.40
1:G:262:ILE:CG2	1:G:263:LEU:N	2.81	0.40
1:G:434:GLU:HG3	1:G:434:GLU:O	2.21	0.40
1:G:475:LEU:HA	1:G:475:LEU:HD23	1.89	0.40
1:G:561:LEU:CA	1:G:564:ILE:CD1	2.95	0.40
1:H:123:TYR:O	1:H:304:TYR:CE1	2.74	0.40
1:H:138:LEU:CD1	1:H:263:LEU:HD11	2.51	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:157:LYS:HE3	1:H:265:THR:HB	1.99	0.40
1:H:459:ILE:CD1	1:H:493:ASP:OD2	2.69	0.40
1:H:541:ALA:HB1	1:H:571:GLU:OE1	2.20	0.40
1:I:34:ASP:C	1:I:36:PRO:HD2	2.41	0.40
1:I:37:LYS:HD2	1:I:37:LYS:C	2.42	0.40
1:I:102:MET:O	1:I:106:TYR:CD2	2.74	0.40
1:I:142:ARG:CB	1:I:142:ARG:CZ	2.99	0.40
1:I:197:GLN:O	1:I:201:TYR:CD2	2.74	0.40
1:J:11:GLN:HE21	1:J:106:TYR:HE2	1.60	0.40
1:J:83:ILE:O	1:J:83:ILE:HG22	2.22	0.40
1:J:142:ARG:CZ	1:J:142:ARG:CB	2.99	0.40
1:J:304:TYR:HH	3:J:1402:DTP:C2	2.35	0.40
1:J:314:ARG:CZ	1:J:341:TRP:HH2	2.32	0.40
1:J:357:LEU:CD2	1:J:366:ARG:CD	2.95	0.40
1:J:376:PRO:HD2	1:J:470:HIS:HD2	1.84	0.40
1:J:563:ARG:CD	1:J:1039:UNK:CB	2.98	0.40
1:J:581:VAL:HA	1:J:1035:UNK:CA	2.52	0.40
1:K:10:TYR:CZ	1:K:166:LEU:O	2.74	0.40
1:K:68:LYS:CD	1:K:72:MET:SD	3.09	0.40
1:K:77:VAL:HG13	1:K:78:GLU:N	2.36	0.40
1:K:110:ARG:HG2	1:K:114:TYR:HE2	1.86	0.40
1:K:494:PHE:CE2	1:K:498:GLU:HB2	2.55	0.40
1:K:545:PHE:CZ	1:K:564:ILE:HG13	2.56	0.40
1:K:1051:UNK:HA	1:K:1067:UNK:HA	2.02	0.40
1:L:11:GLN:NE2	1:L:106:TYR:CD2	2.86	0.40
1:L:37:LYS:HD2	1:L:37:LYS:C	2.42	0.40
1:L:128:LEU:H	1:L:128:LEU:CD1	2.31	0.40
1:L:142:ARG:CB	1:L:142:ARG:CZ	2.99	0.40
1:L:408:TYR:HB2	1:L:411:VAL:HG22	2.02	0.40
1:L:739:UNK:C	1:L:741:UNK:N	2.82	0.40
1:M:12:TYR:CD1	1:M:15:ILE:HG21	2.56	0.40
1:M:27:PHE:CD1	1:M:27:PHE:C	2.94	0.40
1:M:68:LYS:CD	1:M:72:MET:SD	3.09	0.40
1:M:94:THR:HG23	1:M:95:GLU:N	2.35	0.40
1:M:285:LEU:O	1:M:287:HIS:HB2	2.21	0.40
1:M:446:HIS:HA	1:M:449:ILE:CG2	2.51	0.40
1:M:487:PHE:HB3	1:M:524:TYR:HE1	1.86	0.40
1:M:1068:UNK:CA	1:M:1072:UNK:CB	2.93	0.40
1:N:123:TYR:O	1:N:304:TYR:CE1	2.74	0.40
1:N:180:TRP:CE3	1:N:243:VAL:CB	3.04	0.40
1:N:403:ASN:O	1:N:407:LYS:HG3	2.21	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:446:HIS:HA	1:N:449:ILE:CG2	2.51	0.40
1:N:541:ALA:HB1	1:N:571:GLU:OE1	2.20	0.40
1:O:102:MET:O	1:O:106:TYR:CD2	2.74	0.40
1:O:128:LEU:H	1:O:128:LEU:CD1	2.31	0.40
1:O:146:ASN:HD22	1:O:146:ASN:N	2.18	0.40
1:O:487:PHE:HD2	1:O:524:TYR:CD1	2.39	0.40
1:O:557:LYS:HD2	1:O:558:TYR:N	2.25	0.40
1:P:48:ILE:HG12	1:P:61:LEU:CA	2.51	0.40
1:P:110:ARG:CG	1:P:114:TYR:CE2	2.95	0.40
1:P:122:LYS:O	1:P:123:TYR:CG	2.74	0.40
1:P:128:LEU:H	1:P:128:LEU:CD1	2.31	0.40
1:P:197:GLN:O	1:P:201:TYR:CD2	2.74	0.40
1:P:228:LEU:CD2	1:P:232:LEU:CD1	2.94	0.40
1:P:541:ALA:HB1	1:P:571:GLU:OE1	2.20	0.40
1:P:1051:UNK:HA	1:P:1067:UNK:HA	2.02	0.40
1:A:68:LYS:CD	1:A:72:MET:SD	3.09	0.40
1:A:249:ASN:O	1:A:253:TRP:CD1	2.75	0.40
1:A:387:SER:O	1:A:391:PHE:CD2	2.74	0.40
1:B:24:VAL:CA	1:B:27:PHE:CE2	2.94	0.40
1:B:32:VAL:CG1	1:B:45:ILE:HG21	2.47	0.40
1:B:40:LEU:CG	1:B:64:THR:HG21	2.33	0.40
1:B:69:GLN:CG	1:B:71:GLU:HB3	2.52	0.40
1:B:87:PHE:CB	1:J:19:PHE:HE2	2.08	0.40
1:B:94:THR:HG23	1:B:95:GLU:N	2.35	0.40
1:B:120:PHE:CE1	1:B:122:LYS:CD	2.95	0.40
1:B:125:VAL:CG2	1:B:296:GLU:HG3	2.44	0.40
1:B:129:GLN:HB2	1:B:130:PRO:CD	2.44	0.40
1:B:216:ASN:HD21	1:B:216:ASN:N	2.09	0.40
1:B:487:PHE:HB3	1:B:524:TYR:HE1	1.86	0.40
1:C:27:PHE:CD1	1:C:27:PHE:C	2.94	0.40
1:C:113:LEU:HD23	1:C:162:LEU:HA	2.04	0.40
1:C:200:LEU:CD1	1:C:208:THR:CG2	2.95	0.40
1:C:200:LEU:HD23	1:C:200:LEU:HA	1.89	0.40
1:C:242:LEU:CB	1:C:262:ILE:CD1	2.98	0.40
1:C:371:ARG:CB	1:C:389:ILE:CG2	2.93	0.40
1:C:372:LEU:HD23	1:C:373:SER:H	1.81	0.40
1:C:466:TYR:CE1	1:C:470:HIS:HB2	2.55	0.40
1:D:19:PHE:CD1	1:D:19:PHE:C	2.93	0.40
1:D:65:LEU:HA	1:D:72:MET:HE2	2.01	0.40
1:D:102:MET:O	1:D:106:TYR:CD2	2.74	0.40
1:D:142:ARG:CB	1:D:142:ARG:CZ	2.99	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:146:ASN:N	1:D:146:ASN:HD22	2.18	0.40
1:D:221:ILE:H	1:D:221:ILE:CD1	2.34	0.40
1:D:298:LYS:CD	1:D:316:VAL:HG12	2.50	0.40
1:D:374:VAL:HG12	1:D:374:VAL:O	2.20	0.40
1:D:390:TRP:CE2	1:D:402:VAL:HG12	2.56	0.40
1:D:446:HIS:HA	1:D:449:ILE:CG2	2.51	0.40
1:E:113:LEU:HD23	1:E:162:LEU:HA	2.04	0.40
1:E:142:ARG:CB	1:E:142:ARG:CZ	2.99	0.40
1:E:270:GLN:O	1:E:274:PHE:CD2	2.74	0.40
1:E:316:VAL:HG23	1:E:317:LEU:N	2.37	0.40
1:E:474:HIS:O	1:E:478:ILE:HG23	2.22	0.40
1:E:487:PHE:O	1:E:488:ARG:CB	2.68	0.40
1:E:487:PHE:HB3	1:E:524:TYR:HE1	1.86	0.40
1:F:48:ILE:HG12	1:F:61:LEU:CA	2.51	0.40
1:F:142:ARG:CB	1:F:142:ARG:CZ	2.99	0.40
1:F:197:GLN:O	1:F:201:TYR:CD2	2.74	0.40
1:F:244:LEU:HD22	1:F:262:ILE:HG23	2.03	0.40
1:F:353:ILE:HG21	1:F:430:LYS:CD	2.46	0.40
1:F:387:SER:O	1:F:391:PHE:CD2	2.74	0.40
1:F:520:GLN:HG2	1:F:524:TYR:CE2	2.56	0.40
1:G:10:TYR:CZ	1:G:166:LEU:O	2.74	0.40
1:G:73:VAL:CG1	1:G:74:GLN:N	2.84	0.40
1:G:113:LEU:CB	1:G:166:LEU:CD1	2.93	0.40
1:G:122:LYS:C	1:G:123:TYR:CD1	2.94	0.40
1:G:125:VAL:CG2	1:G:296:GLU:HG3	2.44	0.40
1:G:146:ASN:CB	1:G:275:LEU:CD1	2.94	0.40
1:G:146:ASN:HD22	1:G:146:ASN:N	2.18	0.40
1:G:476:LYS:CE	1:G:529:CYS:SG	3.07	0.40
1:H:68:LYS:CE	1:H:72:MET:SD	3.07	0.40
1:H:77:VAL:HG23	1:H:92:ILE:CG2	2.50	0.40
1:H:123:TYR:CB	1:H:300:LEU:O	2.70	0.40
1:H:180:TRP:CE3	1:H:243:VAL:CB	3.04	0.40
1:H:203:ILE:HD12	1:H:231:LEU:HD23	2.03	0.40
1:H:298:LYS:HZ1	1:H:316:VAL:HA	1.82	0.40
1:H:362:PRO:CA	1:H:366:ARG:HB3	2.47	0.40
1:H:374:VAL:HG12	1:H:374:VAL:O	2.20	0.40
1:I:19:PHE:HB2	1:I:88:LEU:HD11	1.98	0.40
1:I:40:LEU:CG	1:I:44:GLU:HB3	2.50	0.40
1:I:146:ASN:ND2	1:I:256:PHE:CE1	2.85	0.40
1:I:206:ASN:HB3	1:I:207:TRP:H	1.41	0.40
1:I:270:GLN:O	1:I:274:PHE:CD2	2.74	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:281:THR:CG2	1:P:3:PHE:CZ	2.97	0.40
1:I:316:VAL:HG23	1:I:317:LEU:N	2.37	0.40
1:I:446:HIS:HA	1:I:449:ILE:CG2	2.51	0.40
1:I:474:HIS:O	1:I:478:ILE:HG23	2.22	0.40
1:I:538:LEU:CD1	1:I:572:ALA:HB3	2.42	0.40
1:J:68:LYS:CD	1:J:72:MET:SD	3.09	0.40
1:J:85:TYR:HE2	1:J:88:LEU:HG	1.86	0.40
1:J:146:ASN:N	1:J:146:ASN:HD22	2.18	0.40
1:J:153:LEU:HD23	1:J:322:ARG:HD3	2.00	0.40
1:J:221:ILE:H	1:J:221:ILE:CD1	2.34	0.40
1:J:242:LEU:CB	1:J:262:ILE:HD13	2.51	0.40
1:J:335:LEU:HB3	1:J:337:THR:HG23	2.02	0.40
1:J:390:TRP:CE2	1:J:402:VAL:HG12	2.56	0.40
1:J:391:PHE:CD1	1:J:398:VAL:CG1	2.93	0.40
1:J:487:PHE:HB3	1:J:524:TYR:HE1	1.86	0.40
1:K:27:PHE:CD1	1:K:27:PHE:C	2.94	0.40
1:K:48:ILE:HG12	1:K:61:LEU:CA	2.51	0.40
1:K:113:LEU:HD23	1:K:162:LEU:HA	2.04	0.40
1:K:132:LEU:O	1:K:135:ARG:HD3	2.20	0.40
1:K:414:GLN:HA	1:K:415:PRO:HD2	1.78	0.40
1:K:542:ILE:CG1	1:K:543:LEU:N	2.85	0.40
1:L:24:VAL:CA	1:L:27:PHE:CE2	2.94	0.40
1:L:24:VAL:CG1	1:L:25:ASP:N	2.82	0.40
1:L:36:PRO:HB3	1:L:42:LYS:HG2	2.03	0.40
1:L:120:PHE:CE1	1:L:122:LYS:CD	2.95	0.40
1:L:146:ASN:CB	1:L:275:LEU:CD1	2.94	0.40
1:L:374:VAL:HG12	1:L:374:VAL:O	2.20	0.40
1:L:387:SER:O	1:L:391:PHE:CD2	2.74	0.40
1:L:471:ILE:CG2	1:L:472:GLY:N	2.83	0.40
1:L:487:PHE:HB3	1:L:524:TYR:HE1	1.86	0.40
1:M:20:GLU:HA	1:M:85:TYR:HH	1.85	0.40
1:M:80:VAL:CG1	1:M:81:LEU:N	2.82	0.40
1:M:249:ASN:O	1:M:253:TRP:CD1	2.75	0.40
1:M:387:SER:O	1:M:391:PHE:CD2	2.74	0.40
1:N:10:TYR:CZ	1:N:166:LEU:O	2.74	0.40
1:N:19:PHE:CD2	1:N:88:LEU:CD1	3.00	0.40
1:N:123:TYR:CB	1:N:300:LEU:O	2.70	0.40
1:N:142:ARG:CB	1:N:142:ARG:CZ	2.99	0.40
1:N:203:ILE:HD12	1:N:231:LEU:HD23	2.03	0.40
1:N:362:PRO:CA	1:N:366:ARG:HB3	2.47	0.40
3:N:1402:DTP:H5'2	3:N:1402:DTP:H2'2	1.46	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:19:PHE:CD2	1:O:88:LEU:CD1	3.00	0.40
1:O:39:ILE:HD12	1:O:39:ILE:HA	1.70	0.40
1:O:73:VAL:CG1	1:O:74:GLN:N	2.84	0.40
1:O:107:ILE:HD13	1:O:110:ARG:NH2	2.36	0.40
1:O:122:LYS:C	1:O:123:TYR:CD1	2.94	0.40
1:O:125:VAL:CG2	1:O:296:GLU:HG3	2.44	0.40
1:O:193:LEU:HD23	1:O:193:LEU:HA	1.78	0.40
1:O:297:VAL:HG13	1:O:300:LEU:CD2	2.47	0.40
1:O:403:ASN:O	1:O:407:LYS:HG3	2.21	0.40
1:O:476:LYS:CE	1:O:529:CYS:SG	3.07	0.40
1:O:1251:UNK:O	1:O:1252:UNK:C	2.68	0.40
1:P:224:ILE:O	1:P:224:ILE:HG22	2.19	0.40
1:P:307:CYS:HB3	1:P:308:ARG:H	1.66	0.40
1:P:393:VAL:CG1	1:P:394:ILE:N	2.83	0.40
1:A:3:PHE:CZ	1:H:281:THR:CG2	2.97	0.40
1:A:27:PHE:C	1:A:27:PHE:CD1	2.94	0.40
1:A:94:THR:HG23	1:A:95:GLU:N	2.35	0.40
1:A:285:LEU:O	1:A:287:HIS:HB2	2.21	0.40
1:A:446:HIS:HA	1:A:449:ILE:CG2	2.51	0.40
1:A:474:HIS:O	1:A:478:ILE:HG23	2.22	0.40
1:B:374:VAL:HG12	1:B:374:VAL:O	2.20	0.40
1:B:391:PHE:CD1	1:B:398:VAL:CG1	2.93	0.40
1:B:408:TYR:HB2	1:B:411:VAL:HG22	2.02	0.40
1:C:48:ILE:HG12	1:C:61:LEU:CA	2.51	0.40
1:C:121:ALA:CB	3:C:1402:DTP:H2	2.52	0.40
1:C:142:ARG:CZ	1:C:142:ARG:CB	2.99	0.40
1:C:204:ASP:CG	1:C:235:LYS:HZ1	2.24	0.40
1:C:298:LYS:CD	1:C:316:VAL:HG12	2.50	0.40
1:C:411:VAL:CG2	1:C:412:GLU:H	2.19	0.40
1:C:542:ILE:CG1	1:C:543:LEU:N	2.85	0.40
1:D:11:GLN:HE21	1:D:106:TYR:HE2	1.60	0.40
1:D:27:PHE:CD1	1:D:27:PHE:C	2.94	0.40
1:D:123:TYR:CB	1:D:300:LEU:O	2.70	0.40
1:D:193:LEU:HD23	1:D:193:LEU:HA	1.78	0.40
1:D:203:ILE:HD12	1:D:231:LEU:HD23	2.03	0.40
1:D:275:LEU:HD13	1:D:276:SER:N	2.36	0.40
1:D:335:LEU:HB3	1:D:337:THR:HG23	2.02	0.40
1:D:376:PRO:HA	1:D:377:PRO:HD2	1.79	0.40
1:D:459:ILE:CD1	1:D:493:ASP:OD2	2.69	0.40
1:D:487:PHE:HB3	1:D:524:TYR:HE1	1.86	0.40
1:E:18:VAL:CG2	1:E:19:PHE:N	2.84	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:34:ASP:C	1:E:36:PRO:HD2	2.41	0.40
1:E:40:LEU:CG	1:E:44:GLU:HB3	2.50	0.40
1:E:246:ASN:H	1:E:265:THR:HG1	1.68	0.40
1:E:304:TYR:HH	3:E:1402:DTP:C2	2.33	0.40
1:E:446:HIS:HA	1:E:449:ILE:CG2	2.51	0.40
1:E:487:PHE:HD2	1:E:524:TYR:CD1	2.39	0.40
1:E:676:UNK:C	1:E:678:UNK:N	2.80	0.40
1:F:122:LYS:O	1:F:123:TYR:CG	2.74	0.40
1:F:228:LEU:CD2	1:F:232:LEU:CD1	2.94	0.40
1:F:511:SER:HB3	1:F:646:UNK:HA	2.02	0.40
1:G:19:PHE:CD2	1:G:88:LEU:CD1	3.00	0.40
1:G:32:VAL:CG1	1:G:45:ILE:HG21	2.47	0.40
1:G:48:ILE:HG12	1:G:61:LEU:CA	2.51	0.40
1:G:142:ARG:CB	1:G:142:ARG:CZ	2.99	0.40
1:G:262:ILE:HG22	1:G:264:LEU:HD11	1.99	0.40
1:G:487:PHE:HB3	1:G:524:TYR:HE1	1.86	0.40
1:G:527:TYR:HD1	1:G:527:TYR:HA	1.68	0.40
1:G:541:ALA:HB1	1:G:571:GLU:OE1	2.20	0.40
1:H:10:TYR:CZ	1:H:166:LEU:O	2.74	0.40
1:H:19:PHE:CD2	1:H:88:LEU:CD1	3.00	0.40
1:H:73:VAL:CG1	1:H:74:GLN:N	2.84	0.40
1:H:123:TYR:N	1:H:304:TYR:CD1	2.84	0.40
1:H:142:ARG:CB	1:H:142:ARG:CZ	2.99	0.40
1:H:380:HIS:CE1	1:H:464:ASP:CB	3.01	0.40
1:H:386:LEU:HD22	1:H:386:LEU:HA	1.91	0.40
1:H:403:ASN:O	1:H:407:LYS:HG3	2.21	0.40
1:H:487:PHE:HB3	1:H:524:TYR:HE1	1.86	0.40
1:H:528:ILE:CD1	1:H:529:CYS:N	2.82	0.40
1:I:18:VAL:CG2	1:I:19:PHE:N	2.84	0.40
1:I:30:LYS:HE3	1:I:30:LYS:HB2	1.83	0.40
1:I:68:LYS:CD	1:I:72:MET:SD	3.09	0.40
1:I:109:GLN:HE21	1:I:109:GLN:HB3	1.76	0.40
1:I:113:LEU:HD23	1:I:162:LEU:HA	2.04	0.40
1:I:563:ARG:CD	1:I:1039:UNK:CB	2.98	0.40
1:J:27:PHE:CD1	1:J:27:PHE:C	2.94	0.40
1:J:65:LEU:HA	1:J:72:MET:HE2	2.01	0.40
1:J:102:MET:O	1:J:106:TYR:CD2	2.74	0.40
1:J:123:TYR:CB	1:J:300:LEU:O	2.70	0.40
1:J:203:ILE:HD12	1:J:231:LEU:HD23	2.03	0.40
1:J:216:ASN:HD21	1:J:216:ASN:N	2.09	0.40
1:J:275:LEU:HD13	1:J:276:SER:N	2.36	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:298:LYS:CD	1:J:316:VAL:HG12	2.50	0.40
1:J:316:VAL:HG23	1:J:317:LEU:N	2.36	0.40
1:J:358:ASN:HD21	1:J:358:ASN:HA	1.48	0.40
1:J:374:VAL:HG12	1:J:374:VAL:O	2.20	0.40
1:J:376:PRO:HA	1:J:377:PRO:HD2	1.79	0.40
1:J:416:LYS:CG	1:J:417:GLU:H	2.21	0.40
1:J:446:HIS:HA	1:J:449:ILE:CG2	2.51	0.40
1:J:739:UNK:C	1:J:741:UNK:N	2.82	0.40
1:K:83:ILE:O	1:K:83:ILE:HG22	2.22	0.40
1:K:121:ALA:CB	3:K:1402:DTP:H2	2.52	0.40
1:K:138:LEU:CD1	1:K:263:LEU:HD11	2.51	0.40
1:K:142:ARG:CB	1:K:142:ARG:CZ	2.99	0.40
1:K:242:LEU:CB	1:K:262:ILE:CD1	2.98	0.40
1:K:275:LEU:HD13	1:K:276:SER:N	2.36	0.40
1:L:69:GLN:CG	1:L:71:GLU:HB3	2.52	0.40
1:L:262:ILE:HG22	1:L:264:LEU:HD11	1.99	0.40
1:L:349:LEU:CB	1:L:426:TYR:HE1	2.31	0.40
1:L:520:GLN:HG2	1:L:524:TYR:CE2	2.56	0.40
1:L:557:LYS:CB	1:L:597:UNK:N	2.71	0.40
1:M:27:PHE:CD1	1:M:31:ASP:OD2	2.74	0.40
1:M:357:LEU:CD2	1:M:366:ARG:CD	2.95	0.40
1:M:374:VAL:HG12	1:M:374:VAL:O	2.20	0.40
1:M:474:HIS:O	1:M:478:ILE:HG23	2.22	0.40
1:N:35:MET:HG2	1:N:40:LEU:CG	2.51	0.40
1:N:69:GLN:CG	1:N:71:GLU:HB3	2.52	0.40
1:N:77:VAL:HG23	1:N:92:ILE:CG2	2.50	0.40
1:N:148:LEU:CD2	1:N:282:HIS:HE1	2.17	0.40
1:N:374:VAL:HG12	1:N:374:VAL:O	2.20	0.40
1:N:385:LEU:HD23	1:N:385:LEU:HA	1.96	0.40
1:N:487:PHE:HB3	1:N:524:TYR:HE1	1.86	0.40
1:O:48:ILE:HG12	1:O:61:LEU:CA	2.51	0.40
1:O:180:TRP:CE3	1:O:243:VAL:CB	3.04	0.40
1:O:508:TRP:CH2	1:O:671:UNK:O	2.74	0.40
1:O:527:TYR:HD1	1:O:527:TYR:HA	1.68	0.40
1:P:142:ARG:CB	1:P:142:ARG:CZ	2.99	0.40
1:P:221:ILE:H	1:P:221:ILE:CD1	2.34	0.40
1:P:244:LEU:HD22	1:P:262:ILE:HG23	2.03	0.40
1:P:387:SER:O	1:P:391:PHE:CD2	2.74	0.40
1:P:520:GLN:HG2	1:P:524:TYR:CE2	2.56	0.40
1:P:528:ILE:CD1	1:P:529:CYS:N	2.82	0.40
1:P:561:LEU:CA	1:P:564:ILE:CD1	2.95	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:20:GLU:O	1:A:23:PHE:CB	2.69	0.40
1:A:123:TYR:O	1:A:304:TYR:CE1	2.74	0.40
1:A:242:LEU:CB	1:A:262:ILE:HD13	2.51	0.40
1:A:408:TYR:HB2	1:A:411:VAL:HG22	2.02	0.40
1:A:602:UNK:CB	1:A:999:UNK:O	2.70	0.40
1:A:1068:UNK:CA	1:A:1072:UNK:CB	2.93	0.40
1:B:8:HIS:CD2	1:B:103:THR:HG21	2.57	0.40
1:B:107:ILE:HD13	1:B:110:ARG:NH2	2.36	0.40
1:B:146:ASN:CB	1:B:275:LEU:CD1	2.94	0.40
1:B:474:HIS:O	1:B:478:ILE:HG23	2.22	0.40
1:B:497:LEU:HD23	1:B:497:LEU:HA	1.61	0.40
1:B:520:GLN:HG2	1:B:524:TYR:CE2	2.56	0.40
1:B:557:LYS:CB	1:B:597:UNK:N	2.71	0.40
1:C:8:HIS:CD2	1:C:103:THR:HG21	2.57	0.40
1:C:11:GLN:NE2	1:C:106:TYR:CD2	2.86	0.40
1:C:83:ILE:O	1:C:83:ILE:HG22	2.22	0.40
1:C:107:ILE:HG23	1:C:108:GLU:N	2.35	0.40
1:C:138:LEU:CD1	1:C:263:LEU:HD11	2.51	0.40
1:C:221:ILE:H	1:C:221:ILE:CD1	2.34	0.40
1:C:335:LEU:HB3	1:C:337:THR:HG23	2.02	0.40
1:C:376:PRO:HA	1:C:377:PRO:HD2	1.79	0.40
1:D:68:LYS:CD	1:D:72:MET:SD	3.09	0.40
1:D:188:SER:O	1:D:191:THR:HB	2.22	0.40
1:D:316:VAL:HG23	1:D:317:LEU:N	2.36	0.40
1:E:40:LEU:O	1:E:41:SER:C	2.58	0.40
1:E:68:LYS:CD	1:E:72:MET:SD	3.09	0.40
1:E:138:LEU:CD1	1:E:263:LEU:HD11	2.51	0.40
1:E:146:ASN:ND2	1:E:256:PHE:CE1	2.85	0.40
1:E:563:ARG:CD	1:E:1039:UNK:CB	2.98	0.40
1:F:110:ARG:CG	1:F:114:TYR:CE2	2.95	0.40
1:F:221:ILE:H	1:F:221:ILE:CD1	2.34	0.40
1:F:297:VAL:O	1:F:300:LEU:CG	2.68	0.40
1:F:304:TYR:HH	3:F:1402:DTP:C2	2.35	0.40
1:F:384:ILE:CG2	1:F:385:LEU:N	2.82	0.40
1:F:468:TYR:CE2	1:F:501:ILE:CD1	3.04	0.40
1:F:487:PHE:HD2	1:F:524:TYR:CD1	2.39	0.40
1:G:8:HIS:CD2	1:G:103:THR:HG21	2.57	0.40
1:G:180:TRP:CE3	1:G:243:VAL:CB	3.04	0.40
1:G:285:LEU:O	1:G:287:HIS:HB2	2.21	0.40
1:G:471:ILE:CG2	1:G:472:GLY:N	2.83	0.40
1:G:508:TRP:CH2	1:G:671:UNK:O	2.74	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:557:LYS:CB	1:G:597:UNK:N	2.70	0.40
1:G:563:ARG:CB	1:G:1038:UNK:O	2.70	0.40
1:H:35:MET:HG2	1:H:40:LEU:CG	2.51	0.40
1:H:37:LYS:HD2	1:H:37:LYS:C	2.42	0.40
1:H:69:GLN:CG	1:H:71:GLU:HB3	2.52	0.40
1:H:83:ILE:O	1:H:83:ILE:HG22	2.22	0.40
1:H:357:LEU:CD2	1:H:366:ARG:CD	2.95	0.40
1:H:385:LEU:HD23	1:H:385:LEU:HA	1.96	0.40
1:H:538:LEU:CD1	1:H:572:ALA:HB3	2.42	0.40
1:I:246:ASN:H	1:I:265:THR:HG1	1.68	0.40
1:I:487:PHE:HD2	1:I:524:TYR:CD1	2.39	0.40
1:I:487:PHE:HB3	1:I:524:TYR:HE1	1.86	0.40
1:J:65:LEU:CD1	1:J:72:MET:CE	2.99	0.40
1:J:188:SER:O	1:J:191:THR:HB	2.22	0.40
1:K:8:HIS:CD2	1:K:103:THR:HG21	2.57	0.40
1:K:298:LYS:CD	1:K:316:VAL:HG12	2.50	0.40
1:K:371:ARG:CB	1:K:389:ILE:CG2	2.93	0.40
1:K:459:ILE:CD1	1:K:493:ASP:OD2	2.69	0.40
1:L:8:HIS:CD2	1:L:103:THR:HG21	2.57	0.40
1:L:34:ASP:N	1:L:36:PRO:HD2	2.34	0.40
1:L:125:VAL:CG2	1:L:296:GLU:HG3	2.44	0.40
1:L:203:ILE:HD12	1:L:231:LEU:HD23	2.03	0.40
1:L:225:GLN:HE21	1:L:225:GLN:HB2	1.72	0.40
1:L:474:HIS:O	1:L:478:ILE:HG23	2.22	0.40
1:L:532:ASP:OD1	1:L:535:TYR:CD2	2.74	0.40
1:M:65:LEU:CD1	1:M:72:MET:CE	2.99	0.40
1:M:122:LYS:O	1:M:123:TYR:CG	2.74	0.40
1:M:408:TYR:HB2	1:M:411:VAL:HG22	2.02	0.40
1:M:602:UNK:CB	1:M:999:UNK:O	2.70	0.40
1:N:32:VAL:N	1:N:45:ILE:CD1	2.83	0.40
1:N:37:LYS:HD2	1:N:37:LYS:C	2.42	0.40
1:N:73:VAL:CG1	1:N:74:GLN:N	2.84	0.40
1:N:83:ILE:O	1:N:83:ILE:HG22	2.22	0.40
1:N:206:ASN:HB3	1:N:207:TRP:H	1.41	0.40
1:N:298:LYS:HZ1	1:N:316:VAL:HG12	1.85	0.40
1:N:411:VAL:CG2	1:N:412:GLU:H	2.19	0.40
1:N:1051:UNK:HA	1:N:1067:UNK:HA	2.02	0.40
1:O:2:ASP:HB2	1:O:97:ARG:HH22	1.86	0.40
1:O:10:TYR:CZ	1:O:166:LEU:O	2.74	0.40
1:O:65:LEU:CD1	1:O:72:MET:CE	2.99	0.40
1:O:142:ARG:CB	1:O:142:ARG:CZ	2.99	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:285:LEU:O	1:O:287:HIS:HB2	2.21	0.40
1:O:298:LYS:HE2	1:O:298:LYS:HB2	1.85	0.40
1:O:385:LEU:HD23	1:O:385:LEU:HA	1.96	0.40
1:O:414:GLN:HA	1:O:415:PRO:HD2	1.78	0.40
1:O:487:PHE:HB3	1:O:524:TYR:HE1	1.86	0.40
1:O:520:GLN:HG2	1:O:524:TYR:CE2	2.56	0.40
1:O:541:ALA:HB1	1:O:571:GLU:OE1	2.20	0.40
1:O:563:ARG:CB	1:O:1038:UNK:O	2.70	0.40
1:P:304:TYR:HH	3:P:1402:DTP:C2	2.35	0.40
1:P:384:ILE:CG2	1:P:385:LEU:N	2.82	0.40
1:P:435:ASN:HD22	1:P:435:ASN:HA	1.43	0.40
1:P:468:TYR:CE2	1:P:501:ILE:CD1	3.04	0.40
1:P:474:HIS:O	1:P:478:ILE:HG23	2.22	0.40
1:P:487:PHE:HD2	1:P:524:TYR:CD1	2.39	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	B	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	C	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	D	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	E	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	F	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	G	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	H	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30
1	I	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5 30

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	J	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5	30
1	K	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5	30
1	L	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5	30
1	M	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5	30
1	N	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5	30
1	O	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5	30
1	P	581/1221 (48%)	529 (91%)	36 (6%)	16 (3%)	5	30
All	All	9296/19536 (48%)	8464 (91%)	576 (6%)	256 (3%)	8	30

All (256) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	38	SER
1	A	41	SER
1	A	121	ALA
1	A	206	ASN
1	A	289	SER
1	A	395	LYS
1	A	409	SER
1	A	464	ASP
1	B	38	SER
1	B	41	SER
1	B	121	ALA
1	B	206	ASN
1	B	289	SER
1	B	395	LYS
1	B	409	SER
1	B	464	ASP
1	C	38	SER
1	C	41	SER
1	C	121	ALA
1	C	206	ASN
1	C	289	SER
1	C	395	LYS
1	C	409	SER
1	C	464	ASP
1	D	38	SER
1	D	41	SER
1	D	121	ALA
1	D	206	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	289	SER
1	D	395	LYS
1	D	409	SER
1	D	464	ASP
1	E	38	SER
1	E	41	SER
1	E	121	ALA
1	E	206	ASN
1	E	289	SER
1	E	395	LYS
1	E	409	SER
1	E	464	ASP
1	F	38	SER
1	F	41	SER
1	F	121	ALA
1	F	206	ASN
1	F	289	SER
1	F	395	LYS
1	F	409	SER
1	F	464	ASP
1	G	38	SER
1	G	41	SER
1	G	121	ALA
1	G	206	ASN
1	G	289	SER
1	G	395	LYS
1	G	409	SER
1	G	464	ASP
1	H	38	SER
1	H	41	SER
1	H	121	ALA
1	H	206	ASN
1	H	289	SER
1	H	395	LYS
1	H	409	SER
1	H	464	ASP
1	I	38	SER
1	I	41	SER
1	I	121	ALA
1	I	206	ASN
1	I	289	SER
1	I	395	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	I	409	SER
1	I	464	ASP
1	J	38	SER
1	J	41	SER
1	J	121	ALA
1	J	206	ASN
1	J	289	SER
1	J	395	LYS
1	J	409	SER
1	J	464	ASP
1	K	38	SER
1	K	41	SER
1	K	121	ALA
1	K	206	ASN
1	K	289	SER
1	K	395	LYS
1	K	409	SER
1	K	464	ASP
1	L	38	SER
1	L	41	SER
1	L	121	ALA
1	L	206	ASN
1	L	289	SER
1	L	395	LYS
1	L	409	SER
1	L	464	ASP
1	M	38	SER
1	M	41	SER
1	M	121	ALA
1	M	206	ASN
1	M	289	SER
1	M	395	LYS
1	M	409	SER
1	M	464	ASP
1	N	38	SER
1	N	41	SER
1	N	121	ALA
1	N	206	ASN
1	N	289	SER
1	N	395	LYS
1	N	409	SER
1	N	464	ASP

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	O	38	SER
1	O	41	SER
1	O	121	ALA
1	O	206	ASN
1	O	289	SER
1	O	395	LYS
1	O	409	SER
1	O	464	ASP
1	P	38	SER
1	P	41	SER
1	P	121	ALA
1	P	206	ASN
1	P	289	SER
1	P	395	LYS
1	P	409	SER
1	P	464	ASP
1	A	462	TYR
1	B	462	TYR
1	C	462	TYR
1	D	462	TYR
1	E	462	TYR
1	F	462	TYR
1	G	462	TYR
1	H	462	TYR
1	I	462	TYR
1	J	462	TYR
1	K	462	TYR
1	L	462	TYR
1	M	462	TYR
1	N	462	TYR
1	O	462	TYR
1	P	462	TYR
1	A	21	ASP
1	A	259	SER
1	A	288	HIS
1	A	344	VAL
1	B	21	ASP
1	B	259	SER
1	B	288	HIS
1	B	344	VAL
1	C	21	ASP
1	C	259	SER

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	C	288	HIS
1	C	344	VAL
1	D	21	ASP
1	D	259	SER
1	D	288	HIS
1	D	344	VAL
1	E	21	ASP
1	E	259	SER
1	E	288	HIS
1	E	344	VAL
1	F	21	ASP
1	F	259	SER
1	F	288	HIS
1	F	344	VAL
1	G	21	ASP
1	G	259	SER
1	G	288	HIS
1	G	344	VAL
1	H	21	ASP
1	H	259	SER
1	H	288	HIS
1	H	344	VAL
1	I	21	ASP
1	I	259	SER
1	I	288	HIS
1	I	344	VAL
1	J	21	ASP
1	J	259	SER
1	J	288	HIS
1	J	344	VAL
1	K	21	ASP
1	K	259	SER
1	K	288	HIS
1	K	344	VAL
1	L	21	ASP
1	L	259	SER
1	L	288	HIS
1	L	344	VAL
1	M	21	ASP
1	M	259	SER
1	M	288	HIS
1	M	344	VAL

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	N	21	ASP
1	N	259	SER
1	N	288	HIS
1	N	344	VAL
1	O	21	ASP
1	O	259	SER
1	O	288	HIS
1	O	344	VAL
1	P	21	ASP
1	P	259	SER
1	P	288	HIS
1	P	344	VAL
1	A	117	ASN
1	A	280	THR
1	A	516	ASN
1	B	117	ASN
1	B	280	THR
1	B	516	ASN
1	C	117	ASN
1	C	280	THR
1	C	516	ASN
1	D	117	ASN
1	D	280	THR
1	D	516	ASN
1	E	117	ASN
1	E	280	THR
1	E	516	ASN
1	F	117	ASN
1	F	280	THR
1	F	516	ASN
1	G	117	ASN
1	G	280	THR
1	G	516	ASN
1	H	117	ASN
1	H	280	THR
1	H	516	ASN
1	I	117	ASN
1	I	280	THR
1	I	516	ASN
1	J	117	ASN
1	J	280	THR
1	J	516	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	K	117	ASN
1	K	280	THR
1	K	516	ASN
1	L	117	ASN
1	L	280	THR
1	L	516	ASN
1	M	117	ASN
1	M	280	THR
1	M	516	ASN
1	N	117	ASN
1	N	280	THR
1	N	516	ASN
1	O	117	ASN
1	O	280	THR
1	O	516	ASN
1	P	117	ASN
1	P	280	THR
1	P	516	ASN

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	B	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	C	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	D	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	E	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	F	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	G	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	H	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	I	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	J	551/557 (99%)	476 (86%)	75 (14%)	3 17

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	K	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	L	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	M	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	N	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	O	551/557 (99%)	476 (86%)	75 (14%)	3 17
1	P	551/557 (99%)	476 (86%)	75 (14%)	3 17
All	All	8816/8912 (99%)	7616 (86%)	1200 (14%)	7 17

All (1200) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	15	ILE
1	A	34	ASP
1	A	35	MET
1	A	37	LYS
1	A	39	ILE
1	A	40	LEU
1	A	68	LYS
1	A	70	GLU
1	A	75	LYS
1	A	79	GLU
1	A	80	VAL
1	A	86	LYS
1	A	89	MET
1	A	93	LYS
1	A	97	ARG
1	A	102	MET
1	A	109	GLN
1	A	120	PHE
1	A	124	ASN
1	A	135	ARG
1	A	141	LEU
1	A	145	LYS
1	A	148	LEU
1	A	149	ILE
1	A	150	ASP
1	A	153	LEU
1	A	159	TRP
1	A	173	LYS
1	A	178	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	183	LEU
1	A	184	LYS
1	A	187	ASN
1	A	200	LEU
1	A	203	ILE
1	A	216	ASN
1	A	221	ILE
1	A	225	GLN
1	A	244	LEU
1	A	254	ASN
1	A	275	LEU
1	A	300	LEU
1	A	322	ARG
1	A	325	SER
1	A	326	ILE
1	A	368	MET
1	A	372	LEU
1	A	395	LYS
1	A	405	LEU
1	A	408	TYR
1	A	411	VAL
1	A	423	PRO
1	A	427	LEU
1	A	435	ASN
1	A	437	TYR
1	A	449	ILE
1	A	465	GLN
1	A	470	HIS
1	A	492	LEU
1	A	493	ASP
1	A	494	PHE
1	A	495	ARG
1	A	500	LYS
1	A	501	ILE
1	A	508	TRP
1	A	509	ASN
1	A	514	ILE
1	A	515	LEU
1	A	528	ILE
1	A	538	LEU
1	A	540	ASN
1	A	557	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	562	LEU
1	A	564	ILE
1	A	573	ILE
1	A	581	VAL
1	B	15	ILE
1	B	34	ASP
1	B	35	MET
1	B	37	LYS
1	B	39	ILE
1	B	40	LEU
1	B	68	LYS
1	B	70	GLU
1	B	75	LYS
1	B	79	GLU
1	B	80	VAL
1	B	86	LYS
1	B	89	MET
1	B	93	LYS
1	B	97	ARG
1	B	102	MET
1	B	109	GLN
1	B	120	PHE
1	B	124	ASN
1	B	135	ARG
1	B	141	LEU
1	B	145	LYS
1	B	148	LEU
1	B	149	ILE
1	B	150	ASP
1	B	153	LEU
1	B	159	TRP
1	B	173	LYS
1	B	178	ILE
1	B	183	LEU
1	B	184	LYS
1	B	187	ASN
1	B	200	LEU
1	B	203	ILE
1	B	216	ASN
1	B	221	ILE
1	B	225	GLN
1	B	244	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	B	254	ASN
1	B	275	LEU
1	B	300	LEU
1	B	322	ARG
1	B	325	SER
1	B	326	ILE
1	B	368	MET
1	B	372	LEU
1	B	395	LYS
1	B	405	LEU
1	B	408	TYR
1	B	411	VAL
1	B	423	PRO
1	B	427	LEU
1	B	435	ASN
1	B	437	TYR
1	B	449	ILE
1	B	465	GLN
1	B	470	HIS
1	B	492	LEU
1	B	493	ASP
1	B	494	PHE
1	B	495	ARG
1	B	500	LYS
1	B	501	ILE
1	B	508	TRP
1	B	509	ASN
1	B	514	ILE
1	B	515	LEU
1	B	528	ILE
1	B	538	LEU
1	B	540	ASN
1	B	557	LYS
1	B	562	LEU
1	B	564	ILE
1	B	573	ILE
1	B	581	VAL
1	C	15	ILE
1	C	34	ASP
1	C	35	MET
1	C	37	LYS
1	C	39	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	C	40	LEU
1	C	68	LYS
1	C	70	GLU
1	C	75	LYS
1	C	79	GLU
1	C	80	VAL
1	C	86	LYS
1	C	89	MET
1	C	93	LYS
1	C	97	ARG
1	C	102	MET
1	C	109	GLN
1	C	120	PHE
1	C	124	ASN
1	C	135	ARG
1	C	141	LEU
1	C	145	LYS
1	C	148	LEU
1	C	149	ILE
1	C	150	ASP
1	C	153	LEU
1	C	159	TRP
1	C	173	LYS
1	C	178	ILE
1	C	183	LEU
1	C	184	LYS
1	C	187	ASN
1	C	200	LEU
1	C	203	ILE
1	C	216	ASN
1	C	221	ILE
1	C	225	GLN
1	C	244	LEU
1	C	254	ASN
1	C	275	LEU
1	C	300	LEU
1	C	322	ARG
1	C	325	SER
1	C	326	ILE
1	C	368	MET
1	C	372	LEU
1	C	395	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	C	405	LEU
1	C	408	TYR
1	C	411	VAL
1	C	423	PRO
1	C	427	LEU
1	C	435	ASN
1	C	437	TYR
1	C	449	ILE
1	C	465	GLN
1	C	470	HIS
1	C	492	LEU
1	C	493	ASP
1	C	494	PHE
1	C	495	ARG
1	C	500	LYS
1	C	501	ILE
1	C	508	TRP
1	C	509	ASN
1	C	514	ILE
1	C	515	LEU
1	C	528	ILE
1	C	538	LEU
1	C	540	ASN
1	C	557	LYS
1	C	562	LEU
1	C	564	ILE
1	C	573	ILE
1	C	581	VAL
1	D	15	ILE
1	D	34	ASP
1	D	35	MET
1	D	37	LYS
1	D	39	ILE
1	D	40	LEU
1	D	68	LYS
1	D	70	GLU
1	D	75	LYS
1	D	79	GLU
1	D	80	VAL
1	D	86	LYS
1	D	89	MET
1	D	93	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	97	ARG
1	D	102	MET
1	D	109	GLN
1	D	120	PHE
1	D	124	ASN
1	D	135	ARG
1	D	141	LEU
1	D	145	LYS
1	D	148	LEU
1	D	149	ILE
1	D	150	ASP
1	D	153	LEU
1	D	159	TRP
1	D	173	LYS
1	D	178	ILE
1	D	183	LEU
1	D	184	LYS
1	D	187	ASN
1	D	200	LEU
1	D	203	ILE
1	D	216	ASN
1	D	221	ILE
1	D	225	GLN
1	D	244	LEU
1	D	254	ASN
1	D	275	LEU
1	D	300	LEU
1	D	322	ARG
1	D	325	SER
1	D	326	ILE
1	D	368	MET
1	D	372	LEU
1	D	395	LYS
1	D	405	LEU
1	D	408	TYR
1	D	411	VAL
1	D	423	PRO
1	D	427	LEU
1	D	435	ASN
1	D	437	TYR
1	D	449	ILE
1	D	465	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	470	HIS
1	D	492	LEU
1	D	493	ASP
1	D	494	PHE
1	D	495	ARG
1	D	500	LYS
1	D	501	ILE
1	D	508	TRP
1	D	509	ASN
1	D	514	ILE
1	D	515	LEU
1	D	528	ILE
1	D	538	LEU
1	D	540	ASN
1	D	557	LYS
1	D	562	LEU
1	D	564	ILE
1	D	573	ILE
1	D	581	VAL
1	E	15	ILE
1	E	34	ASP
1	E	35	MET
1	E	37	LYS
1	E	39	ILE
1	E	40	LEU
1	E	68	LYS
1	E	70	GLU
1	E	75	LYS
1	E	79	GLU
1	E	80	VAL
1	E	86	LYS
1	E	89	MET
1	E	93	LYS
1	E	97	ARG
1	E	102	MET
1	E	109	GLN
1	E	120	PHE
1	E	124	ASN
1	E	135	ARG
1	E	141	LEU
1	E	145	LYS
1	E	148	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	E	149	ILE
1	E	150	ASP
1	E	153	LEU
1	E	159	TRP
1	E	173	LYS
1	E	178	ILE
1	E	183	LEU
1	E	184	LYS
1	E	187	ASN
1	E	200	LEU
1	E	203	ILE
1	E	216	ASN
1	E	221	ILE
1	E	225	GLN
1	E	244	LEU
1	E	254	ASN
1	E	275	LEU
1	E	300	LEU
1	E	322	ARG
1	E	325	SER
1	E	326	ILE
1	E	368	MET
1	E	372	LEU
1	E	395	LYS
1	E	405	LEU
1	E	408	TYR
1	E	411	VAL
1	E	423	PRO
1	E	427	LEU
1	E	435	ASN
1	E	437	TYR
1	E	449	ILE
1	E	465	GLN
1	E	470	HIS
1	E	492	LEU
1	E	493	ASP
1	E	494	PHE
1	E	495	ARG
1	E	500	LYS
1	E	501	ILE
1	E	508	TRP
1	E	509	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	E	514	ILE
1	E	515	LEU
1	E	528	ILE
1	E	538	LEU
1	E	540	ASN
1	E	557	LYS
1	E	562	LEU
1	E	564	ILE
1	E	573	ILE
1	E	581	VAL
1	F	15	ILE
1	F	34	ASP
1	F	35	MET
1	F	37	LYS
1	F	39	ILE
1	F	40	LEU
1	F	68	LYS
1	F	70	GLU
1	F	75	LYS
1	F	79	GLU
1	F	80	VAL
1	F	86	LYS
1	F	89	MET
1	F	93	LYS
1	F	97	ARG
1	F	102	MET
1	F	109	GLN
1	F	120	PHE
1	F	124	ASN
1	F	135	ARG
1	F	141	LEU
1	F	145	LYS
1	F	148	LEU
1	F	149	ILE
1	F	150	ASP
1	F	153	LEU
1	F	159	TRP
1	F	173	LYS
1	F	178	ILE
1	F	183	LEU
1	F	184	LYS
1	F	187	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	F	200	LEU
1	F	203	ILE
1	F	216	ASN
1	F	221	ILE
1	F	225	GLN
1	F	244	LEU
1	F	254	ASN
1	F	275	LEU
1	F	300	LEU
1	F	322	ARG
1	F	325	SER
1	F	326	ILE
1	F	368	MET
1	F	372	LEU
1	F	395	LYS
1	F	405	LEU
1	F	408	TYR
1	F	411	VAL
1	F	423	PRO
1	F	427	LEU
1	F	435	ASN
1	F	437	TYR
1	F	449	ILE
1	F	465	GLN
1	F	470	HIS
1	F	492	LEU
1	F	493	ASP
1	F	494	PHE
1	F	495	ARG
1	F	500	LYS
1	F	501	ILE
1	F	508	TRP
1	F	509	ASN
1	F	514	ILE
1	F	515	LEU
1	F	528	ILE
1	F	538	LEU
1	F	540	ASN
1	F	557	LYS
1	F	562	LEU
1	F	564	ILE
1	F	573	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	F	581	VAL
1	G	15	ILE
1	G	34	ASP
1	G	35	MET
1	G	37	LYS
1	G	39	ILE
1	G	40	LEU
1	G	68	LYS
1	G	70	GLU
1	G	75	LYS
1	G	79	GLU
1	G	80	VAL
1	G	86	LYS
1	G	89	MET
1	G	93	LYS
1	G	97	ARG
1	G	102	MET
1	G	109	GLN
1	G	120	PHE
1	G	124	ASN
1	G	135	ARG
1	G	141	LEU
1	G	145	LYS
1	G	148	LEU
1	G	149	ILE
1	G	150	ASP
1	G	153	LEU
1	G	159	TRP
1	G	173	LYS
1	G	178	ILE
1	G	183	LEU
1	G	184	LYS
1	G	187	ASN
1	G	200	LEU
1	G	203	ILE
1	G	216	ASN
1	G	221	ILE
1	G	225	GLN
1	G	244	LEU
1	G	254	ASN
1	G	275	LEU
1	G	300	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	G	322	ARG
1	G	325	SER
1	G	326	ILE
1	G	368	MET
1	G	372	LEU
1	G	395	LYS
1	G	405	LEU
1	G	408	TYR
1	G	411	VAL
1	G	423	PRO
1	G	427	LEU
1	G	435	ASN
1	G	437	TYR
1	G	449	ILE
1	G	465	GLN
1	G	470	HIS
1	G	492	LEU
1	G	493	ASP
1	G	494	PHE
1	G	495	ARG
1	G	500	LYS
1	G	501	ILE
1	G	508	TRP
1	G	509	ASN
1	G	514	ILE
1	G	515	LEU
1	G	528	ILE
1	G	538	LEU
1	G	540	ASN
1	G	557	LYS
1	G	562	LEU
1	G	564	ILE
1	G	573	ILE
1	G	581	VAL
1	H	15	ILE
1	H	34	ASP
1	H	35	MET
1	H	37	LYS
1	H	39	ILE
1	H	40	LEU
1	H	68	LYS
1	H	70	GLU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	H	75	LYS
1	H	79	GLU
1	H	80	VAL
1	H	86	LYS
1	H	89	MET
1	H	93	LYS
1	H	97	ARG
1	H	102	MET
1	H	109	GLN
1	H	120	PHE
1	H	124	ASN
1	H	135	ARG
1	H	141	LEU
1	H	145	LYS
1	H	148	LEU
1	H	149	ILE
1	H	150	ASP
1	H	153	LEU
1	H	159	TRP
1	H	173	LYS
1	H	178	ILE
1	H	183	LEU
1	H	184	LYS
1	H	187	ASN
1	H	200	LEU
1	H	203	ILE
1	H	216	ASN
1	H	221	ILE
1	H	225	GLN
1	H	244	LEU
1	H	254	ASN
1	H	275	LEU
1	H	300	LEU
1	H	322	ARG
1	H	325	SER
1	H	326	ILE
1	H	368	MET
1	H	372	LEU
1	H	395	LYS
1	H	405	LEU
1	H	408	TYR
1	H	411	VAL

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	H	423	PRO
1	H	427	LEU
1	H	435	ASN
1	H	437	TYR
1	H	449	ILE
1	H	465	GLN
1	H	470	HIS
1	H	492	LEU
1	H	493	ASP
1	H	494	PHE
1	H	495	ARG
1	H	500	LYS
1	H	501	ILE
1	H	508	TRP
1	H	509	ASN
1	H	514	ILE
1	H	515	LEU
1	H	528	ILE
1	H	538	LEU
1	H	540	ASN
1	H	557	LYS
1	H	562	LEU
1	H	564	ILE
1	H	573	ILE
1	H	581	VAL
1	I	15	ILE
1	I	34	ASP
1	I	35	MET
1	I	37	LYS
1	I	39	ILE
1	I	40	LEU
1	I	68	LYS
1	I	70	GLU
1	I	75	LYS
1	I	79	GLU
1	I	80	VAL
1	I	86	LYS
1	I	89	MET
1	I	93	LYS
1	I	97	ARG
1	I	102	MET
1	I	109	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	I	120	PHE
1	I	124	ASN
1	I	135	ARG
1	I	141	LEU
1	I	145	LYS
1	I	148	LEU
1	I	149	ILE
1	I	150	ASP
1	I	153	LEU
1	I	159	TRP
1	I	173	LYS
1	I	178	ILE
1	I	183	LEU
1	I	184	LYS
1	I	187	ASN
1	I	200	LEU
1	I	203	ILE
1	I	216	ASN
1	I	221	ILE
1	I	225	GLN
1	I	244	LEU
1	I	254	ASN
1	I	275	LEU
1	I	300	LEU
1	I	322	ARG
1	I	325	SER
1	I	326	ILE
1	I	368	MET
1	I	372	LEU
1	I	395	LYS
1	I	405	LEU
1	I	408	TYR
1	I	411	VAL
1	I	423	PRO
1	I	427	LEU
1	I	435	ASN
1	I	437	TYR
1	I	449	ILE
1	I	465	GLN
1	I	470	HIS
1	I	492	LEU
1	I	493	ASP

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	I	494	PHE
1	I	495	ARG
1	I	500	LYS
1	I	501	ILE
1	I	508	TRP
1	I	509	ASN
1	I	514	ILE
1	I	515	LEU
1	I	528	ILE
1	I	538	LEU
1	I	540	ASN
1	I	557	LYS
1	I	562	LEU
1	I	564	ILE
1	I	573	ILE
1	I	581	VAL
1	J	15	ILE
1	J	34	ASP
1	J	35	MET
1	J	37	LYS
1	J	39	ILE
1	J	40	LEU
1	J	68	LYS
1	J	70	GLU
1	J	75	LYS
1	J	79	GLU
1	J	80	VAL
1	J	86	LYS
1	J	89	MET
1	J	93	LYS
1	J	97	ARG
1	J	102	MET
1	J	109	GLN
1	J	120	PHE
1	J	124	ASN
1	J	135	ARG
1	J	141	LEU
1	J	145	LYS
1	J	148	LEU
1	J	149	ILE
1	J	150	ASP
1	J	153	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	J	159	TRP
1	J	173	LYS
1	J	178	ILE
1	J	183	LEU
1	J	184	LYS
1	J	187	ASN
1	J	200	LEU
1	J	203	ILE
1	J	216	ASN
1	J	221	ILE
1	J	225	GLN
1	J	244	LEU
1	J	254	ASN
1	J	275	LEU
1	J	300	LEU
1	J	322	ARG
1	J	325	SER
1	J	326	ILE
1	J	368	MET
1	J	372	LEU
1	J	395	LYS
1	J	405	LEU
1	J	408	TYR
1	J	411	VAL
1	J	423	PRO
1	J	427	LEU
1	J	435	ASN
1	J	437	TYR
1	J	449	ILE
1	J	465	GLN
1	J	470	HIS
1	J	492	LEU
1	J	493	ASP
1	J	494	PHE
1	J	495	ARG
1	J	500	LYS
1	J	501	ILE
1	J	508	TRP
1	J	509	ASN
1	J	514	ILE
1	J	515	LEU
1	J	528	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	J	538	LEU
1	J	540	ASN
1	J	557	LYS
1	J	562	LEU
1	J	564	ILE
1	J	573	ILE
1	J	581	VAL
1	K	15	ILE
1	K	34	ASP
1	K	35	MET
1	K	37	LYS
1	K	39	ILE
1	K	40	LEU
1	K	68	LYS
1	K	70	GLU
1	K	75	LYS
1	K	79	GLU
1	K	80	VAL
1	K	86	LYS
1	K	89	MET
1	K	93	LYS
1	K	97	ARG
1	K	102	MET
1	K	109	GLN
1	K	120	PHE
1	K	124	ASN
1	K	135	ARG
1	K	141	LEU
1	K	145	LYS
1	K	148	LEU
1	K	149	ILE
1	K	150	ASP
1	K	153	LEU
1	K	159	TRP
1	K	173	LYS
1	K	178	ILE
1	K	183	LEU
1	K	184	LYS
1	K	187	ASN
1	K	200	LEU
1	K	203	ILE
1	K	216	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	K	221	ILE
1	K	225	GLN
1	K	244	LEU
1	K	254	ASN
1	K	275	LEU
1	K	300	LEU
1	K	322	ARG
1	K	325	SER
1	K	326	ILE
1	K	368	MET
1	K	372	LEU
1	K	395	LYS
1	K	405	LEU
1	K	408	TYR
1	K	411	VAL
1	K	423	PRO
1	K	427	LEU
1	K	435	ASN
1	K	437	TYR
1	K	449	ILE
1	K	465	GLN
1	K	470	HIS
1	K	492	LEU
1	K	493	ASP
1	K	494	PHE
1	K	495	ARG
1	K	500	LYS
1	K	501	ILE
1	K	508	TRP
1	K	509	ASN
1	K	514	ILE
1	K	515	LEU
1	K	528	ILE
1	K	538	LEU
1	K	540	ASN
1	K	557	LYS
1	K	562	LEU
1	K	564	ILE
1	K	573	ILE
1	K	581	VAL
1	L	15	ILE
1	L	34	ASP

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	L	35	MET
1	L	37	LYS
1	L	39	ILE
1	L	40	LEU
1	L	68	LYS
1	L	70	GLU
1	L	75	LYS
1	L	79	GLU
1	L	80	VAL
1	L	86	LYS
1	L	89	MET
1	L	93	LYS
1	L	97	ARG
1	L	102	MET
1	L	109	GLN
1	L	120	PHE
1	L	124	ASN
1	L	135	ARG
1	L	141	LEU
1	L	145	LYS
1	L	148	LEU
1	L	149	ILE
1	L	150	ASP
1	L	153	LEU
1	L	159	TRP
1	L	173	LYS
1	L	178	ILE
1	L	183	LEU
1	L	184	LYS
1	L	187	ASN
1	L	200	LEU
1	L	203	ILE
1	L	216	ASN
1	L	221	ILE
1	L	225	GLN
1	L	244	LEU
1	L	254	ASN
1	L	275	LEU
1	L	300	LEU
1	L	322	ARG
1	L	325	SER
1	L	326	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	L	368	MET
1	L	372	LEU
1	L	395	LYS
1	L	405	LEU
1	L	408	TYR
1	L	411	VAL
1	L	423	PRO
1	L	427	LEU
1	L	435	ASN
1	L	437	TYR
1	L	449	ILE
1	L	465	GLN
1	L	470	HIS
1	L	492	LEU
1	L	493	ASP
1	L	494	PHE
1	L	495	ARG
1	L	500	LYS
1	L	501	ILE
1	L	508	TRP
1	L	509	ASN
1	L	514	ILE
1	L	515	LEU
1	L	528	ILE
1	L	538	LEU
1	L	540	ASN
1	L	557	LYS
1	L	562	LEU
1	L	564	ILE
1	L	573	ILE
1	L	581	VAL
1	M	15	ILE
1	M	34	ASP
1	M	35	MET
1	M	37	LYS
1	M	39	ILE
1	M	40	LEU
1	M	68	LYS
1	M	70	GLU
1	M	75	LYS
1	M	79	GLU
1	M	80	VAL

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	M	86	LYS
1	M	89	MET
1	M	93	LYS
1	M	97	ARG
1	M	102	MET
1	M	109	GLN
1	M	120	PHE
1	M	124	ASN
1	M	135	ARG
1	M	141	LEU
1	M	145	LYS
1	M	148	LEU
1	M	149	ILE
1	M	150	ASP
1	M	153	LEU
1	M	159	TRP
1	M	173	LYS
1	M	178	ILE
1	M	183	LEU
1	M	184	LYS
1	M	187	ASN
1	M	200	LEU
1	M	203	ILE
1	M	216	ASN
1	M	221	ILE
1	M	225	GLN
1	M	244	LEU
1	M	254	ASN
1	M	275	LEU
1	M	300	LEU
1	M	322	ARG
1	M	325	SER
1	M	326	ILE
1	M	368	MET
1	M	372	LEU
1	M	395	LYS
1	M	405	LEU
1	M	408	TYR
1	M	411	VAL
1	M	423	PRO
1	M	427	LEU
1	M	435	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	M	437	TYR
1	M	449	ILE
1	M	465	GLN
1	M	470	HIS
1	M	492	LEU
1	M	493	ASP
1	M	494	PHE
1	M	495	ARG
1	M	500	LYS
1	M	501	ILE
1	M	508	TRP
1	M	509	ASN
1	M	514	ILE
1	M	515	LEU
1	M	528	ILE
1	M	538	LEU
1	M	540	ASN
1	M	557	LYS
1	M	562	LEU
1	M	564	ILE
1	M	573	ILE
1	M	581	VAL
1	N	15	ILE
1	N	34	ASP
1	N	35	MET
1	N	37	LYS
1	N	39	ILE
1	N	40	LEU
1	N	68	LYS
1	N	70	GLU
1	N	75	LYS
1	N	79	GLU
1	N	80	VAL
1	N	86	LYS
1	N	89	MET
1	N	93	LYS
1	N	97	ARG
1	N	102	MET
1	N	109	GLN
1	N	120	PHE
1	N	124	ASN
1	N	135	ARG

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	N	141	LEU
1	N	145	LYS
1	N	148	LEU
1	N	149	ILE
1	N	150	ASP
1	N	153	LEU
1	N	159	TRP
1	N	173	LYS
1	N	178	ILE
1	N	183	LEU
1	N	184	LYS
1	N	187	ASN
1	N	200	LEU
1	N	203	ILE
1	N	216	ASN
1	N	221	ILE
1	N	225	GLN
1	N	244	LEU
1	N	254	ASN
1	N	275	LEU
1	N	300	LEU
1	N	322	ARG
1	N	325	SER
1	N	326	ILE
1	N	368	MET
1	N	372	LEU
1	N	395	LYS
1	N	405	LEU
1	N	408	TYR
1	N	411	VAL
1	N	423	PRO
1	N	427	LEU
1	N	435	ASN
1	N	437	TYR
1	N	449	ILE
1	N	465	GLN
1	N	470	HIS
1	N	492	LEU
1	N	493	ASP
1	N	494	PHE
1	N	495	ARG
1	N	500	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	N	501	ILE
1	N	508	TRP
1	N	509	ASN
1	N	514	ILE
1	N	515	LEU
1	N	528	ILE
1	N	538	LEU
1	N	540	ASN
1	N	557	LYS
1	N	562	LEU
1	N	564	ILE
1	N	573	ILE
1	N	581	VAL
1	O	15	ILE
1	O	34	ASP
1	O	35	MET
1	O	37	LYS
1	O	39	ILE
1	O	40	LEU
1	O	68	LYS
1	O	70	GLU
1	O	75	LYS
1	O	79	GLU
1	O	80	VAL
1	O	86	LYS
1	O	89	MET
1	O	93	LYS
1	O	97	ARG
1	O	102	MET
1	O	109	GLN
1	O	120	PHE
1	O	124	ASN
1	O	135	ARG
1	O	141	LEU
1	O	145	LYS
1	O	148	LEU
1	O	149	ILE
1	O	150	ASP
1	O	153	LEU
1	O	159	TRP
1	O	173	LYS
1	O	178	ILE

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	O	183	LEU
1	O	184	LYS
1	O	187	ASN
1	O	200	LEU
1	O	203	ILE
1	O	216	ASN
1	O	221	ILE
1	O	225	GLN
1	O	244	LEU
1	O	254	ASN
1	O	275	LEU
1	O	300	LEU
1	O	322	ARG
1	O	325	SER
1	O	326	ILE
1	O	368	MET
1	O	372	LEU
1	O	395	LYS
1	O	405	LEU
1	O	408	TYR
1	O	411	VAL
1	O	423	PRO
1	O	427	LEU
1	O	435	ASN
1	O	437	TYR
1	O	449	ILE
1	O	465	GLN
1	O	470	HIS
1	O	492	LEU
1	O	493	ASP
1	O	494	PHE
1	O	495	ARG
1	O	500	LYS
1	O	501	ILE
1	O	508	TRP
1	O	509	ASN
1	O	514	ILE
1	O	515	LEU
1	O	528	ILE
1	O	538	LEU
1	O	540	ASN
1	O	557	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	O	562	LEU
1	O	564	ILE
1	O	573	ILE
1	O	581	VAL
1	P	15	ILE
1	P	34	ASP
1	P	35	MET
1	P	37	LYS
1	P	39	ILE
1	P	40	LEU
1	P	68	LYS
1	P	70	GLU
1	P	75	LYS
1	P	79	GLU
1	P	80	VAL
1	P	86	LYS
1	P	89	MET
1	P	93	LYS
1	P	97	ARG
1	P	102	MET
1	P	109	GLN
1	P	120	PHE
1	P	124	ASN
1	P	135	ARG
1	P	141	LEU
1	P	145	LYS
1	P	148	LEU
1	P	149	ILE
1	P	150	ASP
1	P	153	LEU
1	P	159	TRP
1	P	173	LYS
1	P	178	ILE
1	P	183	LEU
1	P	184	LYS
1	P	187	ASN
1	P	200	LEU
1	P	203	ILE
1	P	216	ASN
1	P	221	ILE
1	P	225	GLN
1	P	244	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	P	254	ASN
1	P	275	LEU
1	P	300	LEU
1	P	322	ARG
1	P	325	SER
1	P	326	ILE
1	P	368	MET
1	P	372	LEU
1	P	395	LYS
1	P	405	LEU
1	P	408	TYR
1	P	411	VAL
1	P	423	PRO
1	P	427	LEU
1	P	435	ASN
1	P	437	TYR
1	P	449	ILE
1	P	465	GLN
1	P	470	HIS
1	P	492	LEU
1	P	493	ASP
1	P	494	PHE
1	P	495	ARG
1	P	500	LYS
1	P	501	ILE
1	P	508	TRP
1	P	509	ASN
1	P	514	ILE
1	P	515	LEU
1	P	528	ILE
1	P	538	LEU
1	P	540	ASN
1	P	557	LYS
1	P	562	LEU
1	P	564	ILE
1	P	573	ILE
1	P	581	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (365) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	47	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	69	GLN
1	A	124	ASN
1	A	136	GLN
1	A	197	GLN
1	A	202	GLN
1	A	216	ASN
1	A	222	HIS
1	A	225	GLN
1	A	254	ASN
1	A	282	HIS
1	A	320	ASN
1	A	340	ASN
1	A	343	HIS
1	A	358	ASN
1	A	380	HIS
1	A	435	ASN
1	A	440	HIS
1	A	470	HIS
1	A	474	HIS
1	A	499	GLN
1	A	509	ASN
1	A	516	ASN
1	A	531	ASN
1	B	47	HIS
1	B	69	GLN
1	B	124	ASN
1	B	197	GLN
1	B	202	GLN
1	B	216	ASN
1	B	222	HIS
1	B	225	GLN
1	B	254	ASN
1	B	282	HIS
1	B	320	ASN
1	B	340	ASN
1	B	343	HIS
1	B	358	ASN
1	B	380	HIS
1	B	435	ASN
1	B	440	HIS
1	B	470	HIS
1	B	474	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	B	499	GLN
1	B	509	ASN
1	B	516	ASN
1	B	531	ASN
1	C	47	HIS
1	C	69	GLN
1	C	124	ASN
1	C	197	GLN
1	C	202	GLN
1	C	216	ASN
1	C	222	HIS
1	C	225	GLN
1	C	254	ASN
1	C	282	HIS
1	C	320	ASN
1	C	340	ASN
1	C	343	HIS
1	C	358	ASN
1	C	380	HIS
1	C	435	ASN
1	C	440	HIS
1	C	470	HIS
1	C	474	HIS
1	C	499	GLN
1	C	509	ASN
1	C	516	ASN
1	C	531	ASN
1	D	47	HIS
1	D	69	GLN
1	D	124	ASN
1	D	197	GLN
1	D	202	GLN
1	D	216	ASN
1	D	222	HIS
1	D	225	GLN
1	D	254	ASN
1	D	282	HIS
1	D	320	ASN
1	D	340	ASN
1	D	343	HIS
1	D	358	ASN
1	D	380	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	435	ASN
1	D	440	HIS
1	D	470	HIS
1	D	474	HIS
1	D	499	GLN
1	D	509	ASN
1	D	516	ASN
1	D	531	ASN
1	E	47	HIS
1	E	69	GLN
1	E	124	ASN
1	E	197	GLN
1	E	202	GLN
1	E	216	ASN
1	E	222	HIS
1	E	225	GLN
1	E	282	HIS
1	E	320	ASN
1	E	340	ASN
1	E	343	HIS
1	E	358	ASN
1	E	380	HIS
1	E	435	ASN
1	E	440	HIS
1	E	470	HIS
1	E	474	HIS
1	E	499	GLN
1	E	509	ASN
1	E	516	ASN
1	E	531	ASN
1	F	47	HIS
1	F	69	GLN
1	F	124	ASN
1	F	197	GLN
1	F	202	GLN
1	F	216	ASN
1	F	222	HIS
1	F	225	GLN
1	F	254	ASN
1	F	282	HIS
1	F	320	ASN
1	F	340	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	F	343	HIS
1	F	358	ASN
1	F	380	HIS
1	F	435	ASN
1	F	440	HIS
1	F	470	HIS
1	F	474	HIS
1	F	499	GLN
1	F	509	ASN
1	F	516	ASN
1	F	531	ASN
1	G	47	HIS
1	G	69	GLN
1	G	124	ASN
1	G	197	GLN
1	G	202	GLN
1	G	216	ASN
1	G	222	HIS
1	G	225	GLN
1	G	282	HIS
1	G	320	ASN
1	G	340	ASN
1	G	343	HIS
1	G	358	ASN
1	G	380	HIS
1	G	435	ASN
1	G	440	HIS
1	G	470	HIS
1	G	474	HIS
1	G	499	GLN
1	G	509	ASN
1	G	516	ASN
1	G	531	ASN
1	H	47	HIS
1	H	69	GLN
1	H	124	ASN
1	H	197	GLN
1	H	202	GLN
1	H	216	ASN
1	H	222	HIS
1	H	225	GLN
1	H	254	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	H	282	HIS
1	H	320	ASN
1	H	340	ASN
1	H	343	HIS
1	H	358	ASN
1	H	380	HIS
1	H	435	ASN
1	H	440	HIS
1	H	470	HIS
1	H	474	HIS
1	H	499	GLN
1	H	509	ASN
1	H	516	ASN
1	H	531	ASN
1	I	47	HIS
1	I	69	GLN
1	I	124	ASN
1	I	197	GLN
1	I	202	GLN
1	I	216	ASN
1	I	222	HIS
1	I	225	GLN
1	I	282	HIS
1	I	320	ASN
1	I	340	ASN
1	I	343	HIS
1	I	358	ASN
1	I	380	HIS
1	I	435	ASN
1	I	440	HIS
1	I	470	HIS
1	I	474	HIS
1	I	499	GLN
1	I	509	ASN
1	I	516	ASN
1	I	531	ASN
1	J	47	HIS
1	J	69	GLN
1	J	124	ASN
1	J	197	GLN
1	J	202	GLN
1	J	216	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	J	222	HIS
1	J	225	GLN
1	J	254	ASN
1	J	282	HIS
1	J	320	ASN
1	J	340	ASN
1	J	343	HIS
1	J	358	ASN
1	J	380	HIS
1	J	435	ASN
1	J	440	HIS
1	J	470	HIS
1	J	474	HIS
1	J	499	GLN
1	J	509	ASN
1	J	516	ASN
1	J	531	ASN
1	K	47	HIS
1	K	69	GLN
1	K	124	ASN
1	K	197	GLN
1	K	202	GLN
1	K	216	ASN
1	K	222	HIS
1	K	225	GLN
1	K	254	ASN
1	K	282	HIS
1	K	320	ASN
1	K	340	ASN
1	K	343	HIS
1	K	358	ASN
1	K	380	HIS
1	K	435	ASN
1	K	440	HIS
1	K	470	HIS
1	K	474	HIS
1	K	499	GLN
1	K	509	ASN
1	K	516	ASN
1	K	531	ASN
1	L	47	HIS
1	L	69	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	L	124	ASN
1	L	197	GLN
1	L	202	GLN
1	L	216	ASN
1	L	222	HIS
1	L	225	GLN
1	L	254	ASN
1	L	282	HIS
1	L	320	ASN
1	L	340	ASN
1	L	343	HIS
1	L	358	ASN
1	L	380	HIS
1	L	435	ASN
1	L	440	HIS
1	L	470	HIS
1	L	474	HIS
1	L	499	GLN
1	L	509	ASN
1	L	516	ASN
1	L	531	ASN
1	M	47	HIS
1	M	69	GLN
1	M	124	ASN
1	M	197	GLN
1	M	202	GLN
1	M	216	ASN
1	M	222	HIS
1	M	225	GLN
1	M	254	ASN
1	M	282	HIS
1	M	320	ASN
1	M	340	ASN
1	M	343	HIS
1	M	358	ASN
1	M	380	HIS
1	M	435	ASN
1	M	440	HIS
1	M	470	HIS
1	M	474	HIS
1	M	499	GLN
1	M	509	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	M	516	ASN
1	M	531	ASN
1	N	47	HIS
1	N	69	GLN
1	N	124	ASN
1	N	197	GLN
1	N	202	GLN
1	N	216	ASN
1	N	222	HIS
1	N	225	GLN
1	N	254	ASN
1	N	282	HIS
1	N	320	ASN
1	N	340	ASN
1	N	343	HIS
1	N	358	ASN
1	N	380	HIS
1	N	435	ASN
1	N	440	HIS
1	N	470	HIS
1	N	474	HIS
1	N	499	GLN
1	N	509	ASN
1	N	516	ASN
1	N	531	ASN
1	O	47	HIS
1	O	69	GLN
1	O	124	ASN
1	O	197	GLN
1	O	202	GLN
1	O	216	ASN
1	O	222	HIS
1	O	225	GLN
1	O	282	HIS
1	O	320	ASN
1	O	340	ASN
1	O	343	HIS
1	O	358	ASN
1	O	380	HIS
1	O	435	ASN
1	O	440	HIS
1	O	470	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	O	474	HIS
1	O	499	GLN
1	O	509	ASN
1	O	516	ASN
1	O	531	ASN
1	P	47	HIS
1	P	69	GLN
1	P	124	ASN
1	P	197	GLN
1	P	202	GLN
1	P	216	ASN
1	P	222	HIS
1	P	225	GLN
1	P	254	ASN
1	P	282	HIS
1	P	320	ASN
1	P	340	ASN
1	P	343	HIS
1	P	358	ASN
1	P	380	HIS
1	P	435	ASN
1	P	440	HIS
1	P	470	HIS
1	P	474	HIS
1	P	499	GLN
1	P	509	ASN
1	P	516	ASN
1	P	531	ASN

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 32 ligands modelled in this entry, 16 are monoatomic - leaving 16 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	DTP	K	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	G	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	P	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	A	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	F	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	H	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	I	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	C	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	J	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	N	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	O	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	D	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	M	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	L	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	E	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)
3	DTP	B	1402	2	26,32,32	1.86	5 (19%)	30,50,50	2.04	9 (30%)

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	DTP	K	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	G	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	P	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	A	1402	2	-	3/18/34/34	0/3/3/3

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
3	DTP	F	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	H	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	I	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	C	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	J	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	N	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	O	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	D	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	M	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	L	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	E	1402	2	-	3/18/34/34	0/3/3/3
3	DTP	B	1402	2	-	3/18/34/34	0/3/3/3

All (80) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	A	1402	DTP	O4'-C1'	5.48	1.54	1.42
3	C	1402	DTP	O4'-C1'	5.48	1.54	1.42
3	E	1402	DTP	O4'-C1'	5.48	1.54	1.42
3	G	1402	DTP	O4'-C1'	5.48	1.54	1.42
3	I	1402	DTP	O4'-C1'	5.48	1.54	1.42
3	B	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	D	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	F	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	H	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	J	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	L	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	N	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	P	1402	DTP	O4'-C1'	5.47	1.54	1.42
3	K	1402	DTP	O4'-C1'	5.46	1.54	1.42
3	M	1402	DTP	O4'-C1'	5.46	1.54	1.42
3	O	1402	DTP	O4'-C1'	5.46	1.54	1.42
3	A	1402	DTP	C4-N3	4.38	1.41	1.35
3	C	1402	DTP	C4-N3	4.38	1.41	1.35
3	E	1402	DTP	C4-N3	4.38	1.41	1.35
3	G	1402	DTP	C4-N3	4.38	1.41	1.35
3	I	1402	DTP	C4-N3	4.38	1.41	1.35
3	K	1402	DTP	C4-N3	4.38	1.41	1.35
3	M	1402	DTP	C4-N3	4.38	1.41	1.35
3	O	1402	DTP	C4-N3	4.38	1.41	1.35

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	B	1402	DTP	C4-N3	4.36	1.41	1.35
3	D	1402	DTP	C4-N3	4.36	1.41	1.35
3	F	1402	DTP	C4-N3	4.36	1.41	1.35
3	H	1402	DTP	C4-N3	4.36	1.41	1.35
3	J	1402	DTP	C4-N3	4.36	1.41	1.35
3	L	1402	DTP	C4-N3	4.36	1.41	1.35
3	N	1402	DTP	C4-N3	4.36	1.41	1.35
3	P	1402	DTP	C4-N3	4.36	1.41	1.35
3	A	1402	DTP	C2-N3	3.82	1.38	1.32
3	C	1402	DTP	C2-N3	3.82	1.38	1.32
3	E	1402	DTP	C2-N3	3.82	1.38	1.32
3	G	1402	DTP	C2-N3	3.82	1.38	1.32
3	I	1402	DTP	C2-N3	3.82	1.38	1.32
3	K	1402	DTP	C2-N3	3.82	1.38	1.32
3	M	1402	DTP	C2-N3	3.82	1.38	1.32
3	O	1402	DTP	C2-N3	3.82	1.38	1.32
3	B	1402	DTP	C2-N3	3.82	1.38	1.32
3	D	1402	DTP	C2-N3	3.82	1.38	1.32
3	F	1402	DTP	C2-N3	3.82	1.38	1.32
3	H	1402	DTP	C2-N3	3.82	1.38	1.32
3	J	1402	DTP	C2-N3	3.82	1.38	1.32
3	L	1402	DTP	C2-N3	3.82	1.38	1.32
3	N	1402	DTP	C2-N3	3.82	1.38	1.32
3	P	1402	DTP	C2-N3	3.82	1.38	1.32
3	A	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	C	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	E	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	G	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	I	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	K	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	M	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	O	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	B	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	D	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	F	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	H	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	J	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	L	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	N	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	P	1402	DTP	O3'-C3'	2.31	1.48	1.43
3	A	1402	DTP	C2-N1	2.08	1.37	1.33
3	C	1402	DTP	C2-N1	2.08	1.37	1.33

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	E	1402	DTP	C2-N1	2.08	1.37	1.33
3	G	1402	DTP	C2-N1	2.08	1.37	1.33
3	I	1402	DTP	C2-N1	2.08	1.37	1.33
3	K	1402	DTP	C2-N1	2.08	1.37	1.33
3	M	1402	DTP	C2-N1	2.08	1.37	1.33
3	O	1402	DTP	C2-N1	2.08	1.37	1.33
3	B	1402	DTP	C2-N1	2.08	1.37	1.33
3	D	1402	DTP	C2-N1	2.08	1.37	1.33
3	F	1402	DTP	C2-N1	2.08	1.37	1.33
3	H	1402	DTP	C2-N1	2.08	1.37	1.33
3	J	1402	DTP	C2-N1	2.08	1.37	1.33
3	L	1402	DTP	C2-N1	2.08	1.37	1.33
3	N	1402	DTP	C2-N1	2.08	1.37	1.33
3	P	1402	DTP	C2-N1	2.08	1.37	1.33

All (144) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	A	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	C	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	E	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	G	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	I	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	K	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	M	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	O	1402	DTP	PA-O3A-PB	-5.92	112.51	132.83
3	B	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	D	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	F	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	H	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	J	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	L	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	N	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	P	1402	DTP	PA-O3A-PB	-5.92	112.52	132.83
3	K	1402	DTP	PB-O3B-PG	-4.72	116.62	132.83
3	M	1402	DTP	PB-O3B-PG	-4.72	116.62	132.83
3	O	1402	DTP	PB-O3B-PG	-4.72	116.62	132.83
3	A	1402	DTP	PB-O3B-PG	-4.72	116.63	132.83
3	C	1402	DTP	PB-O3B-PG	-4.72	116.63	132.83
3	E	1402	DTP	PB-O3B-PG	-4.72	116.63	132.83
3	G	1402	DTP	PB-O3B-PG	-4.72	116.63	132.83
3	I	1402	DTP	PB-O3B-PG	-4.72	116.63	132.83

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	B	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	D	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	F	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	H	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	J	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	L	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	N	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	P	1402	DTP	PB-O3B-PG	-4.72	116.64	132.83
3	A	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	C	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	E	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	G	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	I	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	K	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	M	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	O	1402	DTP	C2'-C3'-C4'	-2.96	96.60	102.76
3	B	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	D	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	F	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	H	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	J	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	L	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	N	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	P	1402	DTP	C2'-C3'-C4'	-2.95	96.61	102.76
3	B	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	D	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	F	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	H	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	J	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	L	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	N	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	P	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	A	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	C	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	E	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	G	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	I	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	K	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	M	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	O	1402	DTP	C4-C5-N7	2.71	112.22	109.40
3	B	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99
3	D	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	F	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99
3	H	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99
3	J	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99
3	L	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99
3	N	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99
3	P	1402	DTP	O5'-C5'-C4'	2.70	118.27	108.99
3	A	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	C	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	E	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	G	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	I	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	K	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	M	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	O	1402	DTP	O5'-C5'-C4'	2.69	118.24	108.99
3	A	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	C	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	E	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	G	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	I	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	K	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	M	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	O	1402	DTP	O3G-PG-O2G	2.63	117.68	107.64
3	B	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	D	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	F	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	H	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	J	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	L	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	N	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	P	1402	DTP	O3G-PG-O2G	2.63	117.67	107.64
3	A	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	C	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	E	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	G	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	I	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	K	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	M	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	O	1402	DTP	O2A-PA-O1A	2.56	124.89	112.24
3	B	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24
3	D	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24
3	F	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24
3	H	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	J	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24
3	L	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24
3	N	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24
3	P	1402	DTP	O2A-PA-O1A	2.56	124.88	112.24
3	K	1402	DTP	O4'-C4'-C3'	-2.47	99.90	105.67
3	M	1402	DTP	O4'-C4'-C3'	-2.47	99.90	105.67
3	O	1402	DTP	O4'-C4'-C3'	-2.47	99.90	105.67
3	B	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	D	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	F	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	H	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	J	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	L	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	N	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	P	1402	DTP	O4'-C4'-C3'	-2.47	99.91	105.67
3	A	1402	DTP	O4'-C4'-C3'	-2.47	99.92	105.67
3	C	1402	DTP	O4'-C4'-C3'	-2.47	99.92	105.67
3	E	1402	DTP	O4'-C4'-C3'	-2.47	99.92	105.67
3	G	1402	DTP	O4'-C4'-C3'	-2.47	99.92	105.67
3	I	1402	DTP	O4'-C4'-C3'	-2.47	99.92	105.67
3	B	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	D	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	F	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	H	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	J	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	L	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	N	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	P	1402	DTP	O4'-C1'-C2'	-2.16	102.16	106.25
3	A	1402	DTP	O4'-C1'-C2'	-2.16	102.17	106.25
3	C	1402	DTP	O4'-C1'-C2'	-2.16	102.17	106.25
3	E	1402	DTP	O4'-C1'-C2'	-2.16	102.17	106.25
3	G	1402	DTP	O4'-C1'-C2'	-2.16	102.17	106.25
3	I	1402	DTP	O4'-C1'-C2'	-2.16	102.17	106.25
3	K	1402	DTP	O4'-C1'-C2'	-2.15	102.20	106.25
3	M	1402	DTP	O4'-C1'-C2'	-2.15	102.20	106.25
3	O	1402	DTP	O4'-C1'-C2'	-2.15	102.20	106.25

There are no chirality outliers.

All (48) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	1402	DTP	C4'-C5'-O5'-PA

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
3	B	1402	DTP	C4'-C5'-O5'-PA
3	C	1402	DTP	C4'-C5'-O5'-PA
3	D	1402	DTP	C4'-C5'-O5'-PA
3	E	1402	DTP	C4'-C5'-O5'-PA
3	F	1402	DTP	C4'-C5'-O5'-PA
3	G	1402	DTP	C4'-C5'-O5'-PA
3	H	1402	DTP	C4'-C5'-O5'-PA
3	I	1402	DTP	C4'-C5'-O5'-PA
3	J	1402	DTP	C4'-C5'-O5'-PA
3	K	1402	DTP	C4'-C5'-O5'-PA
3	L	1402	DTP	C4'-C5'-O5'-PA
3	M	1402	DTP	C4'-C5'-O5'-PA
3	N	1402	DTP	C4'-C5'-O5'-PA
3	O	1402	DTP	C4'-C5'-O5'-PA
3	P	1402	DTP	C4'-C5'-O5'-PA
3	A	1402	DTP	PA-O3A-PB-O1B
3	A	1402	DTP	PA-O3A-PB-O2B
3	B	1402	DTP	PA-O3A-PB-O1B
3	B	1402	DTP	PA-O3A-PB-O2B
3	C	1402	DTP	PA-O3A-PB-O1B
3	C	1402	DTP	PA-O3A-PB-O2B
3	D	1402	DTP	PA-O3A-PB-O1B
3	D	1402	DTP	PA-O3A-PB-O2B
3	E	1402	DTP	PA-O3A-PB-O1B
3	E	1402	DTP	PA-O3A-PB-O2B
3	F	1402	DTP	PA-O3A-PB-O1B
3	F	1402	DTP	PA-O3A-PB-O2B
3	G	1402	DTP	PA-O3A-PB-O1B
3	G	1402	DTP	PA-O3A-PB-O2B
3	H	1402	DTP	PA-O3A-PB-O1B
3	H	1402	DTP	PA-O3A-PB-O2B
3	I	1402	DTP	PA-O3A-PB-O1B
3	I	1402	DTP	PA-O3A-PB-O2B
3	J	1402	DTP	PA-O3A-PB-O1B
3	J	1402	DTP	PA-O3A-PB-O2B
3	K	1402	DTP	PA-O3A-PB-O1B
3	K	1402	DTP	PA-O3A-PB-O2B
3	L	1402	DTP	PA-O3A-PB-O1B
3	L	1402	DTP	PA-O3A-PB-O2B
3	M	1402	DTP	PA-O3A-PB-O1B
3	M	1402	DTP	PA-O3A-PB-O2B
3	N	1402	DTP	PA-O3A-PB-O1B

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms
3	N	1402	DTP	PA-O3A-PB-O2B
3	O	1402	DTP	PA-O3A-PB-O1B
3	O	1402	DTP	PA-O3A-PB-O2B
3	P	1402	DTP	PA-O3A-PB-O1B
3	P	1402	DTP	PA-O3A-PB-O2B

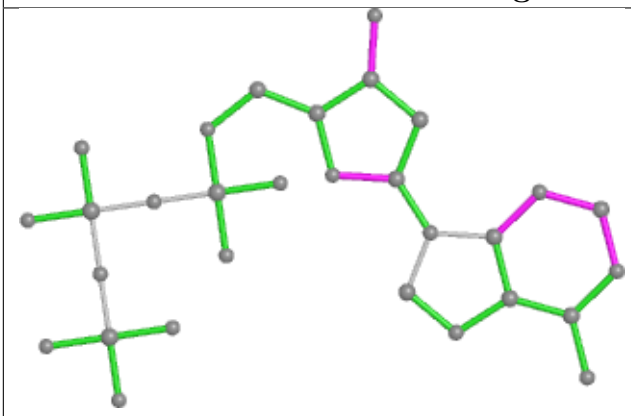
There are no ring outliers.

16 monomers are involved in 256 short contacts:

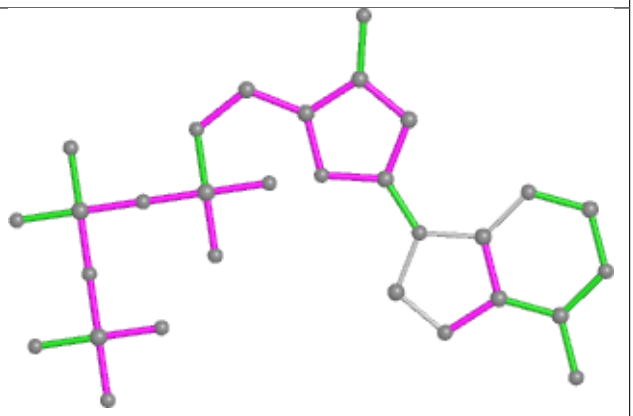
Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	K	1402	DTP	17	0
3	G	1402	DTP	15	0
3	P	1402	DTP	15	0
3	A	1402	DTP	16	0
3	F	1402	DTP	15	0
3	H	1402	DTP	16	0
3	I	1402	DTP	16	0
3	C	1402	DTP	17	0
3	J	1402	DTP	17	0
3	N	1402	DTP	17	0
3	O	1402	DTP	16	0
3	D	1402	DTP	17	0
3	M	1402	DTP	16	0
3	L	1402	DTP	15	0
3	E	1402	DTP	16	0
3	B	1402	DTP	15	0

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 then 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.

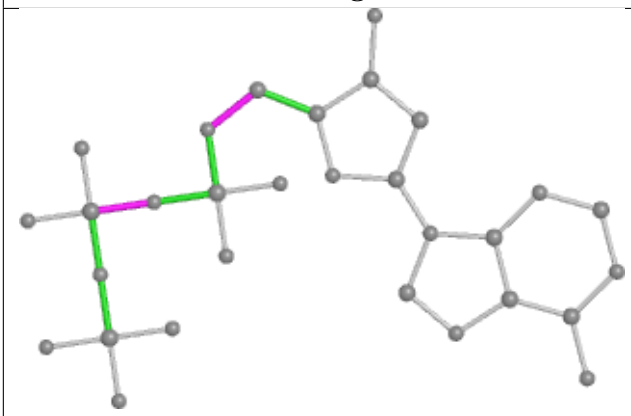
Ligand DTP K 1402



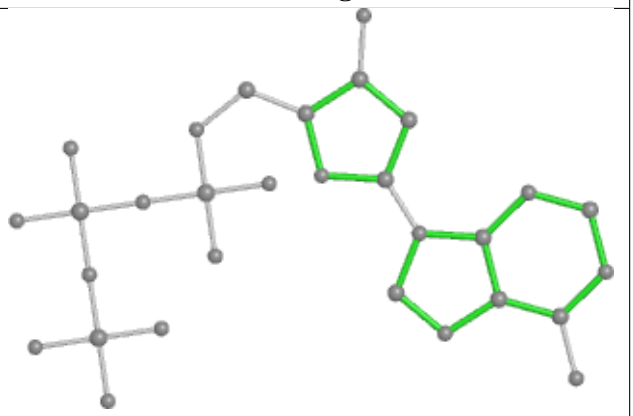
Bond lengths



Bond angles

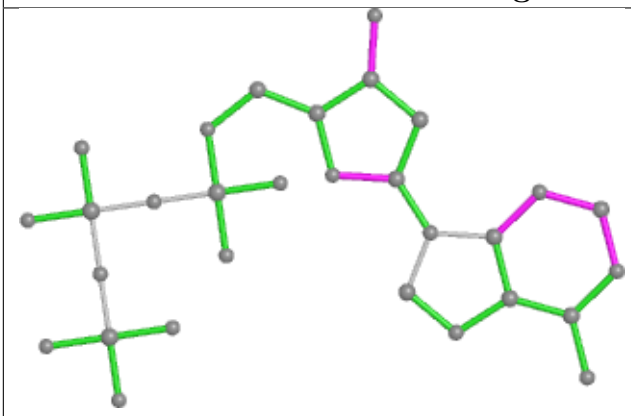


Torsions

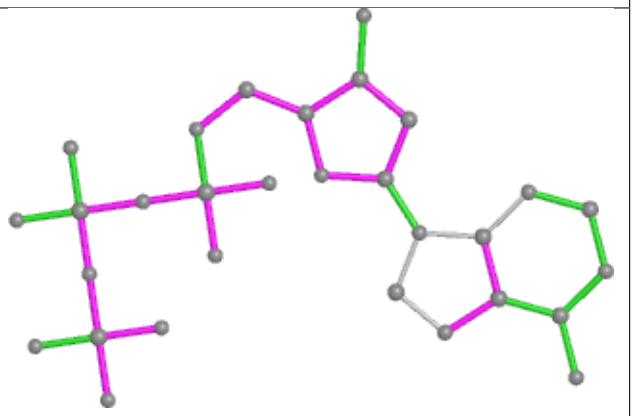


Rings

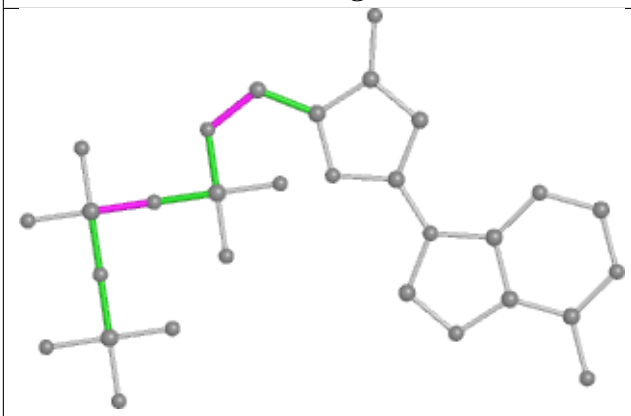
Ligand DTP G 1402



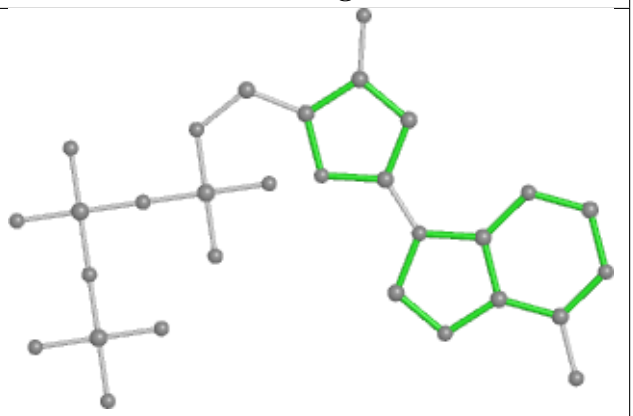
Bond lengths



Bond angles

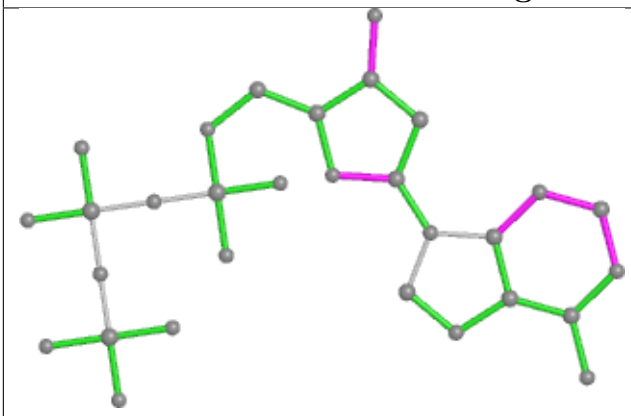


Torsions

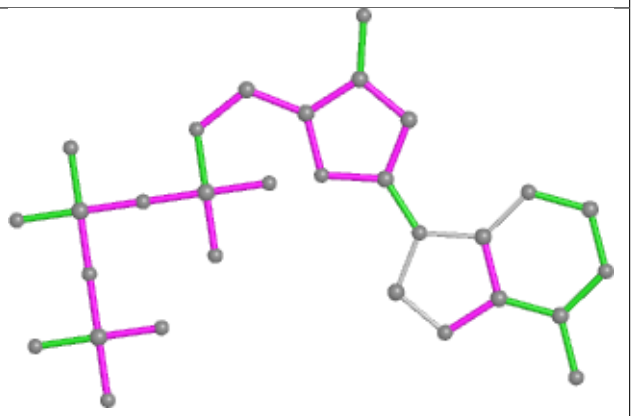


Rings

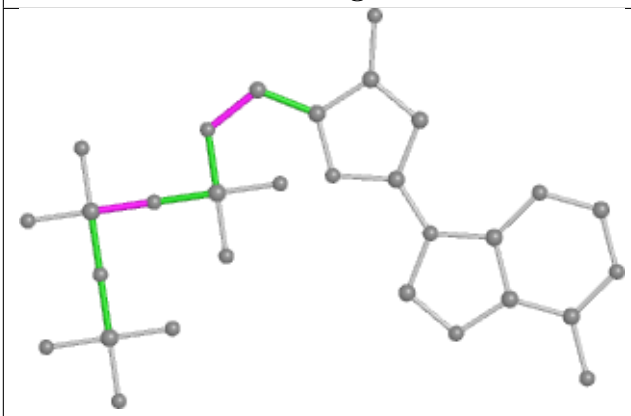
Ligand DTP P 1402



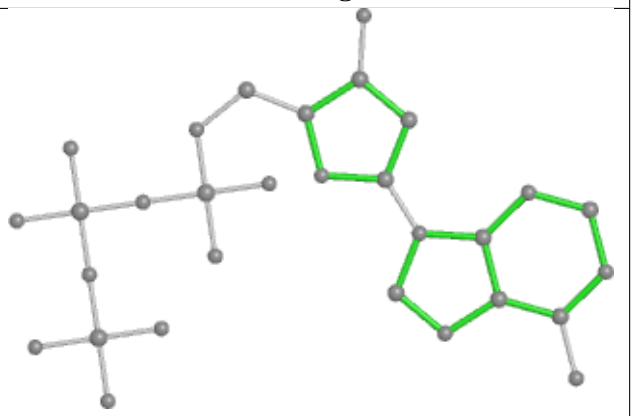
Bond lengths



Bond angles

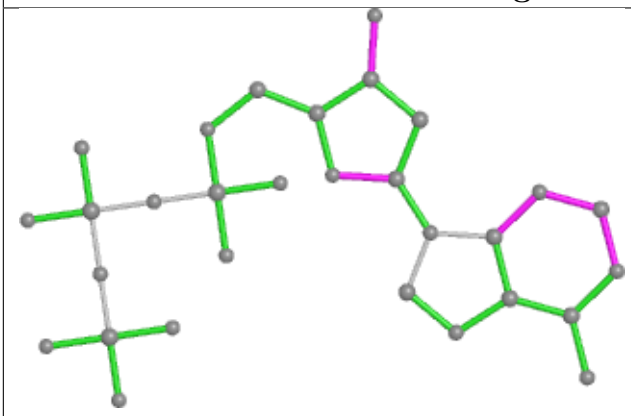


Torsions

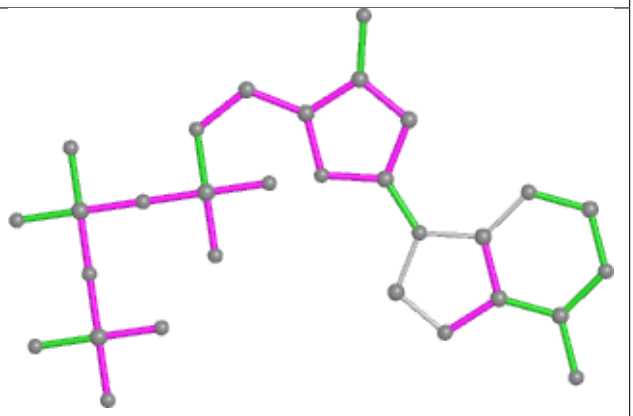


Rings

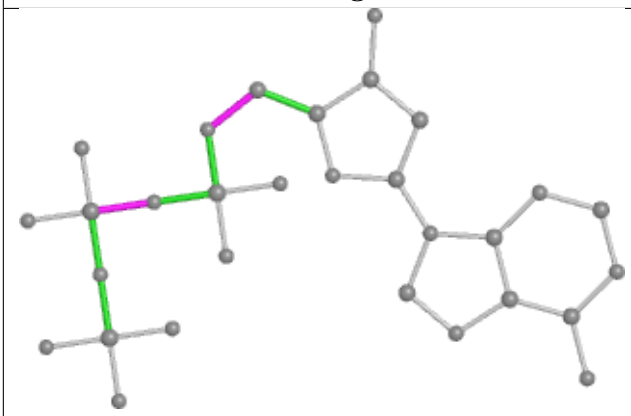
Ligand DTP A 1402



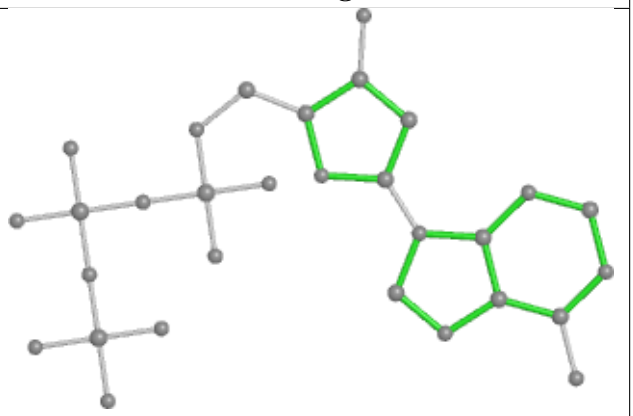
Bond lengths



Bond angles

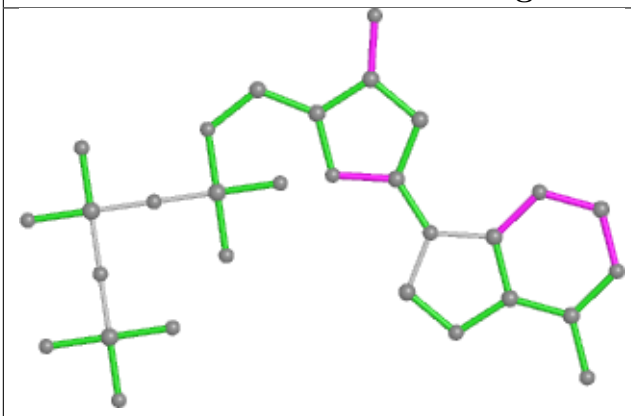


Torsions

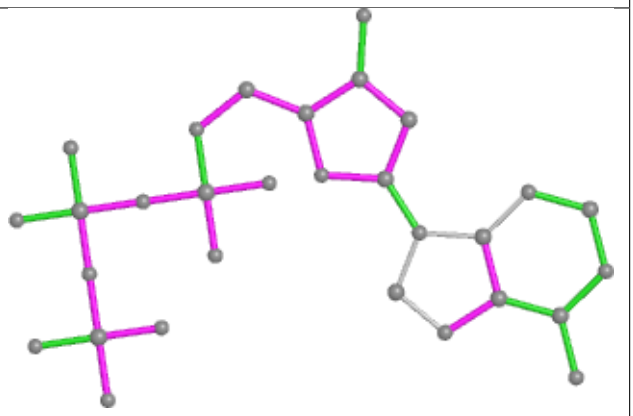


Rings

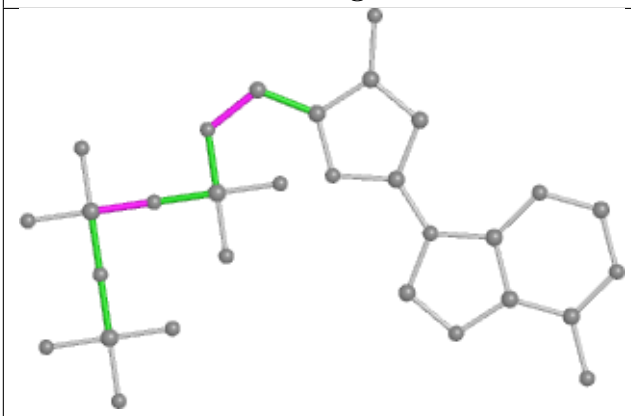
Ligand DTP F 1402



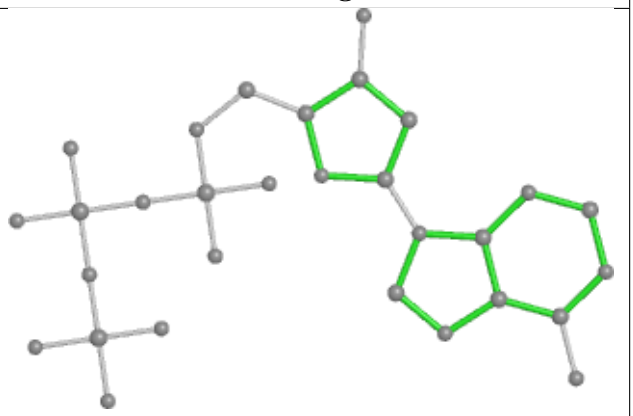
Bond lengths



Bond angles

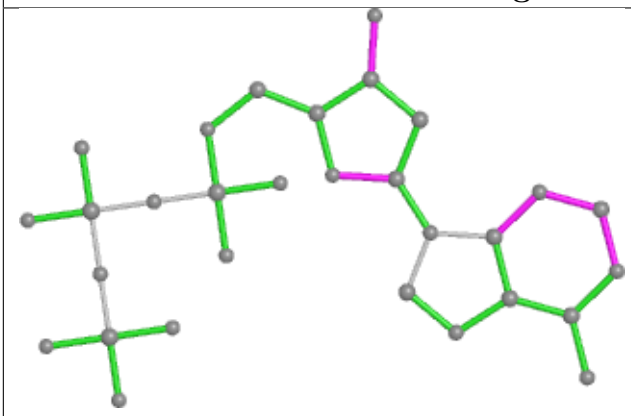


Torsions

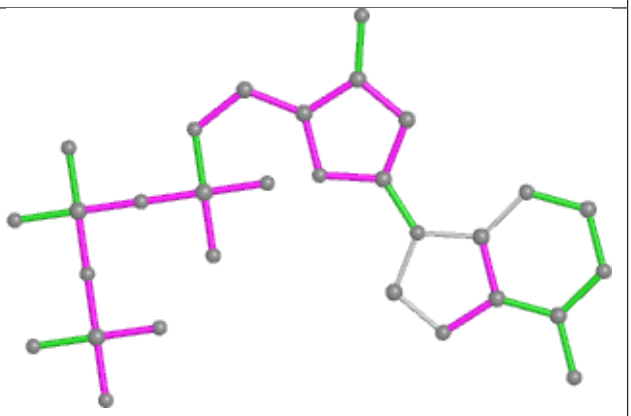


Rings

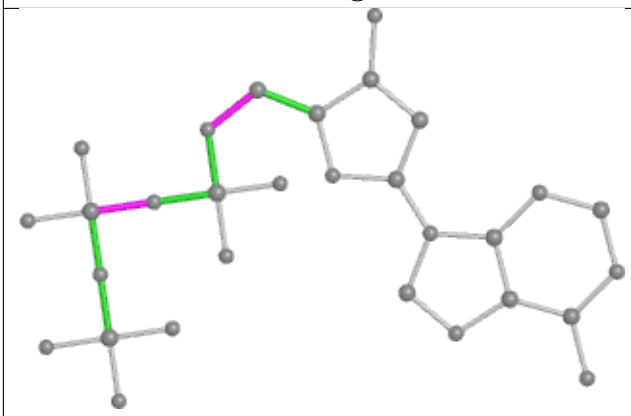
Ligand DTP H 1402



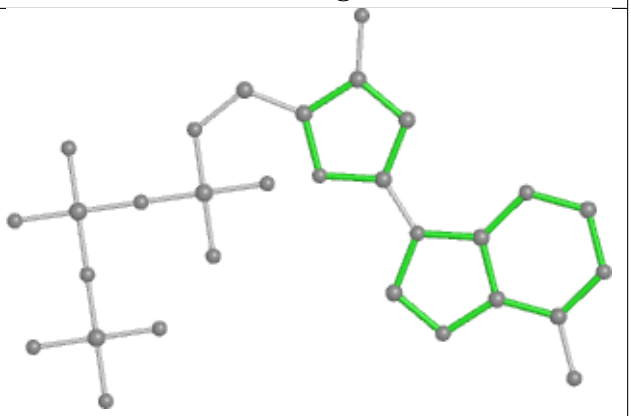
Bond lengths



Bond angles

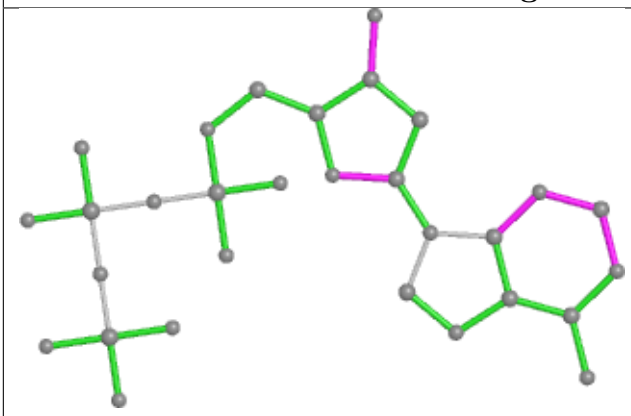


Torsions

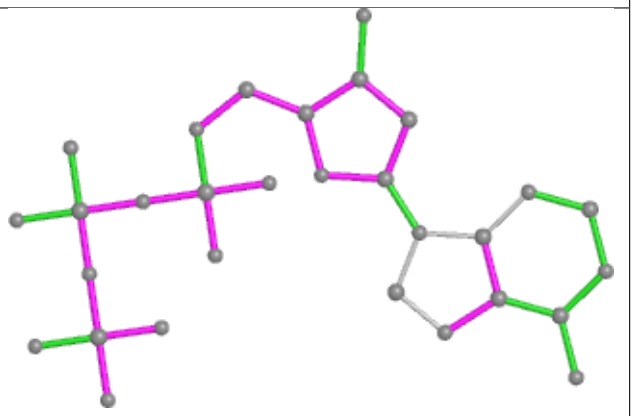


Rings

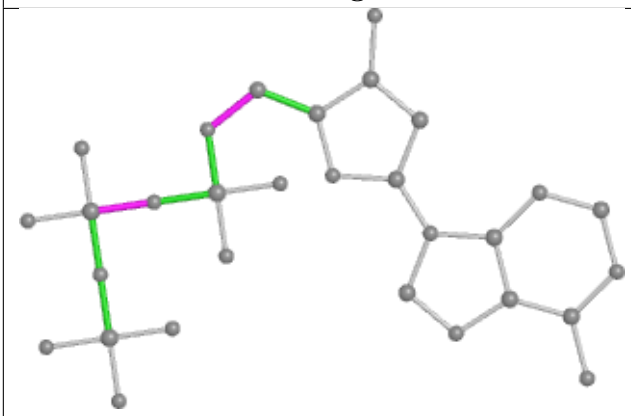
Ligand DTP I 1402



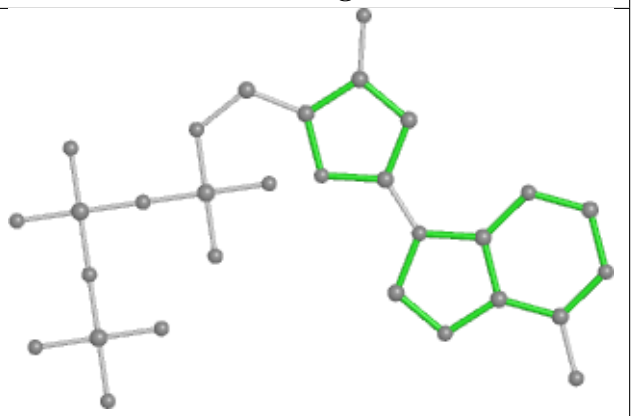
Bond lengths



Bond angles

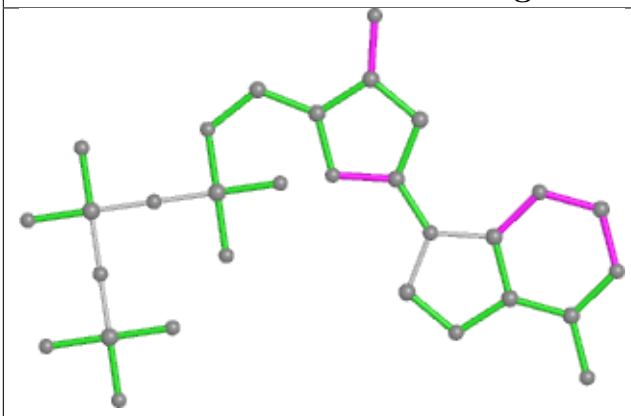


Torsions

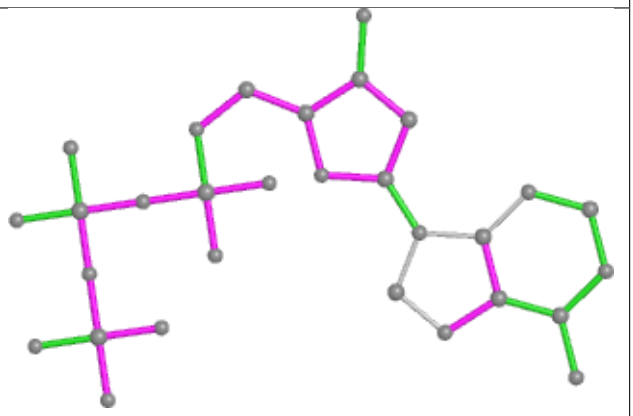


Rings

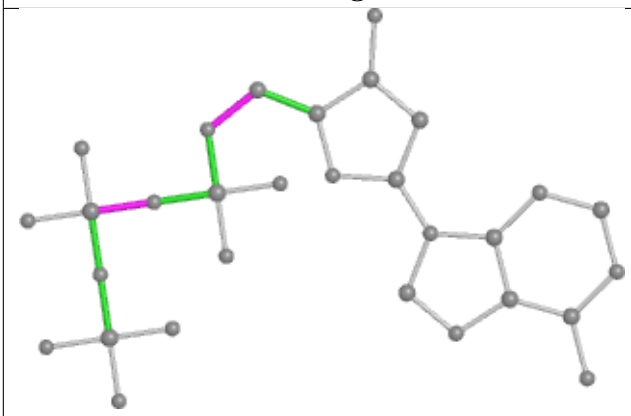
Ligand DTP C 1402



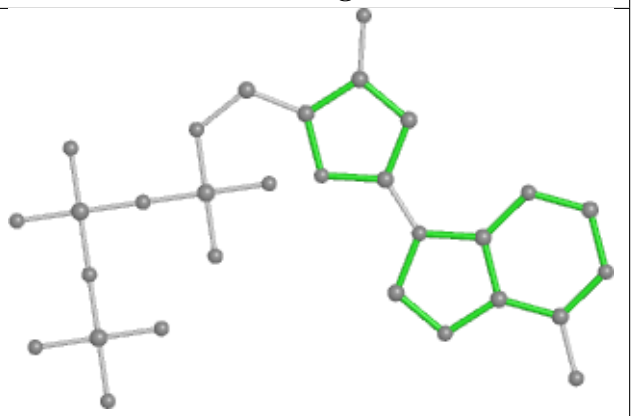
Bond lengths



Bond angles

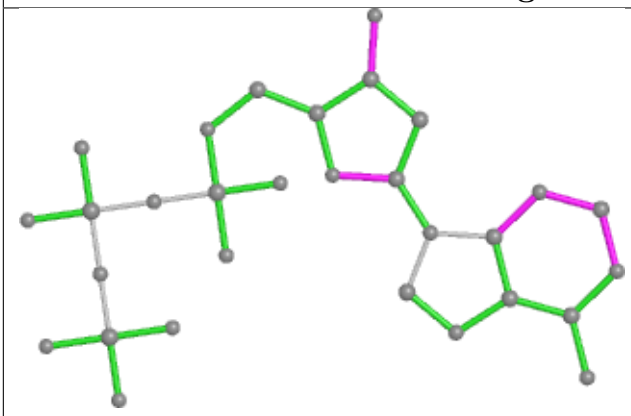


Torsions

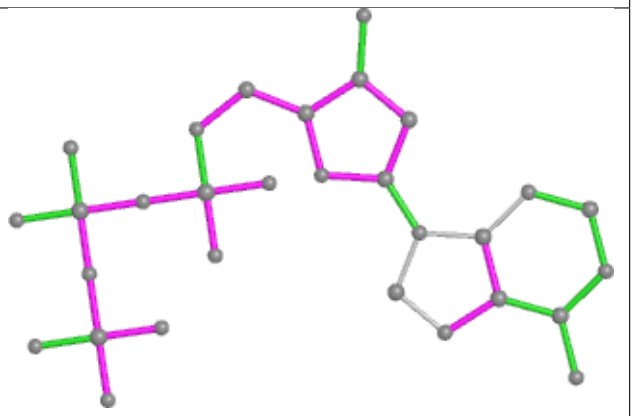


Rings

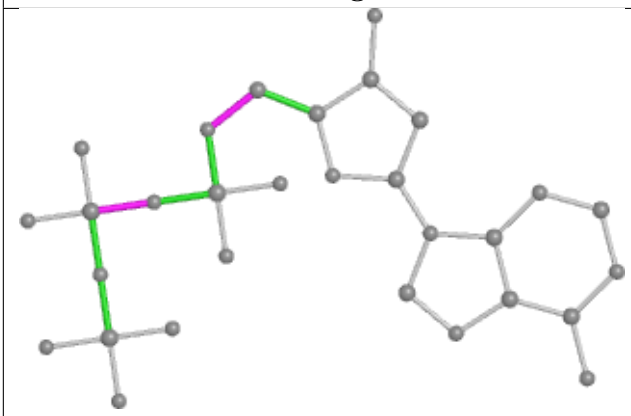
Ligand DTP J 1402



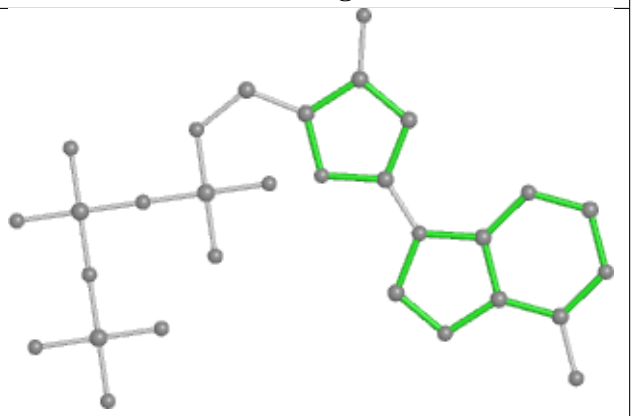
Bond lengths



Bond angles

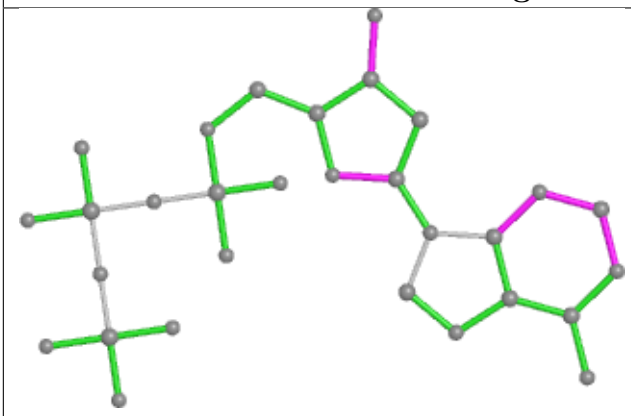


Torsions

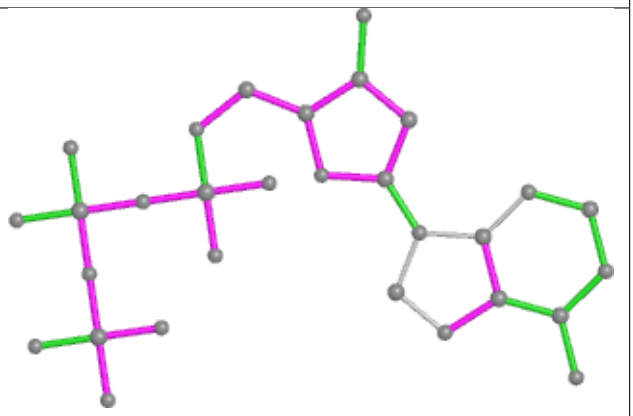


Rings

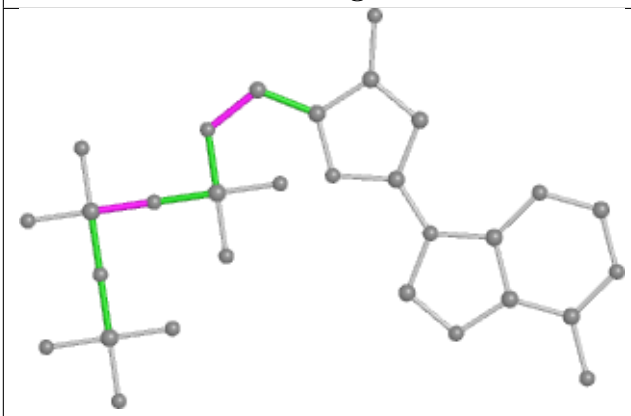
Ligand DTP N 1402



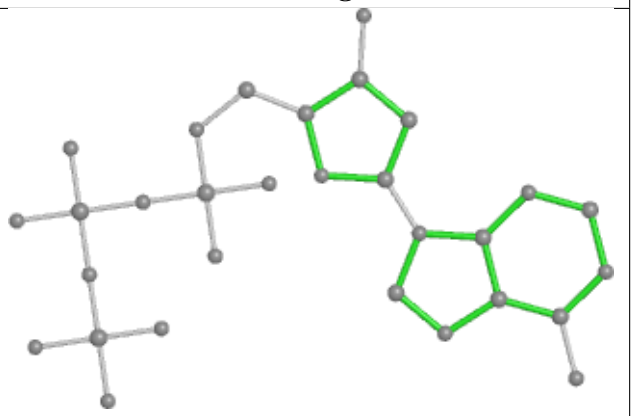
Bond lengths



Bond angles

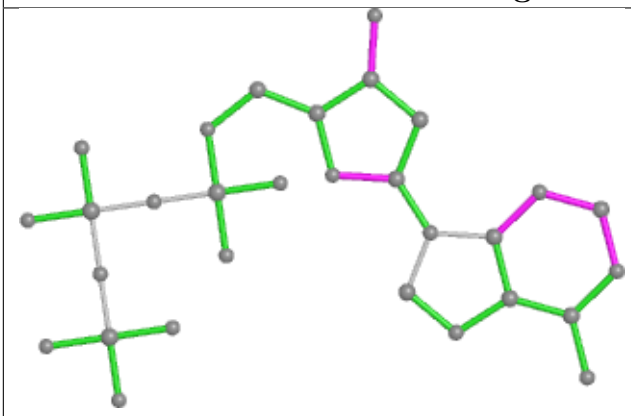


Torsions

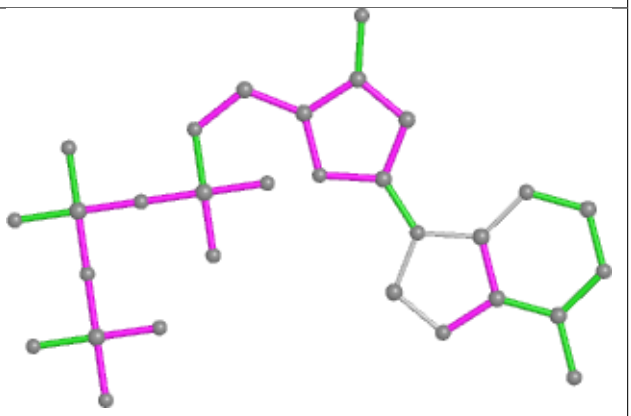


Rings

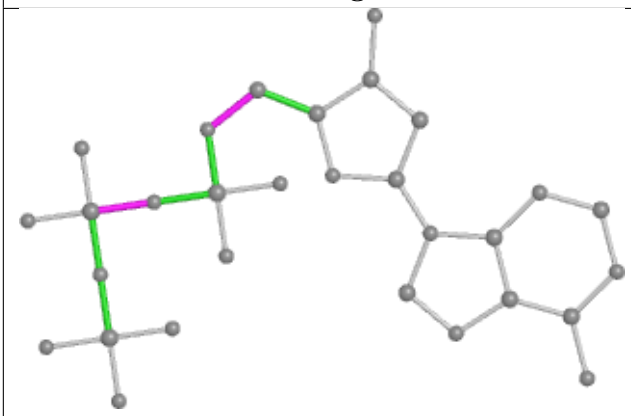
Ligand DTP O 1402



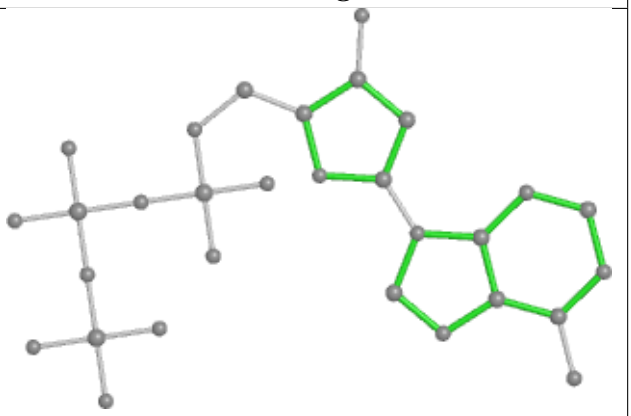
Bond lengths



Bond angles

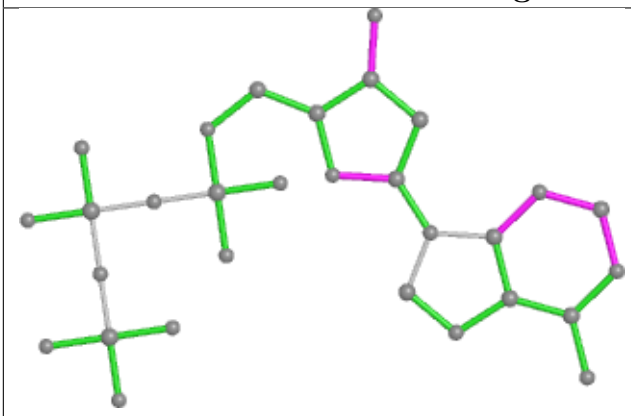


Torsions

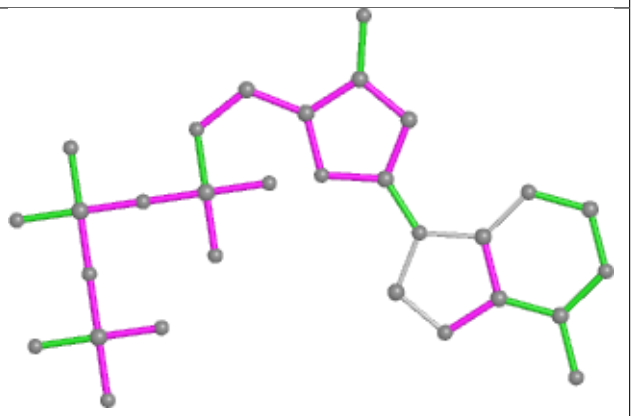


Rings

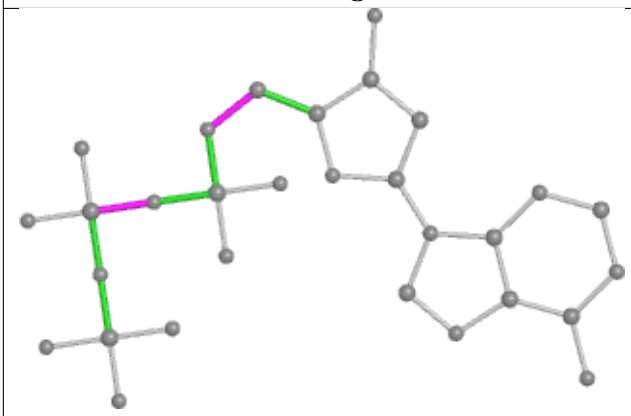
Ligand DTP D 1402



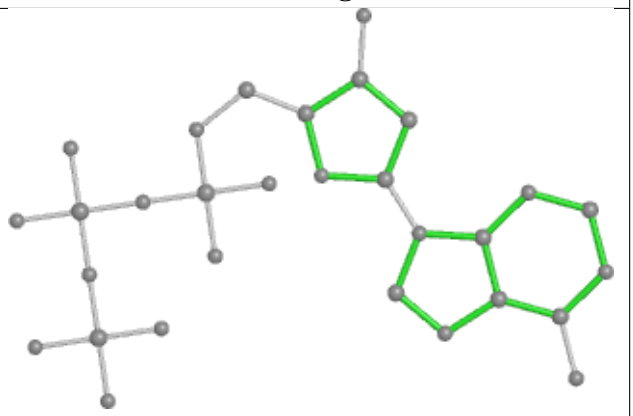
Bond lengths



Bond angles

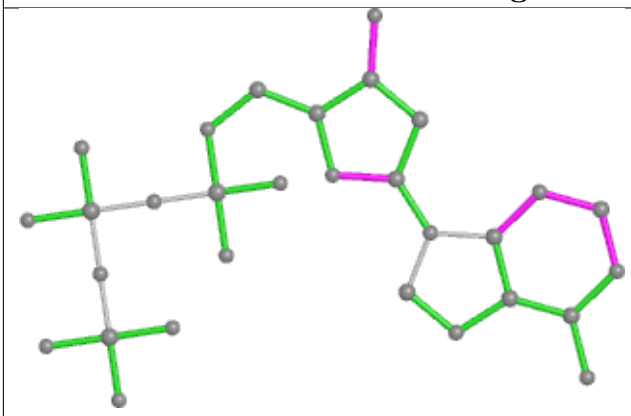


Torsions

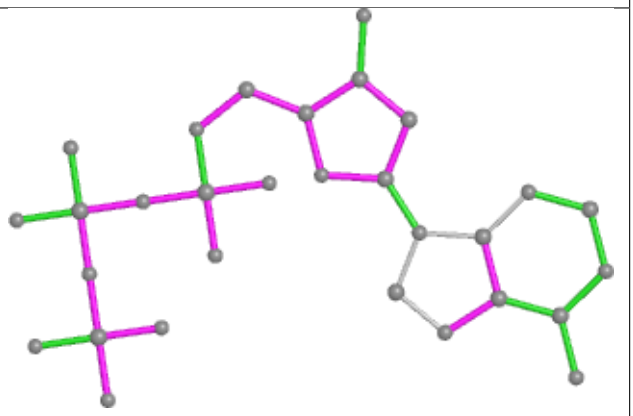


Rings

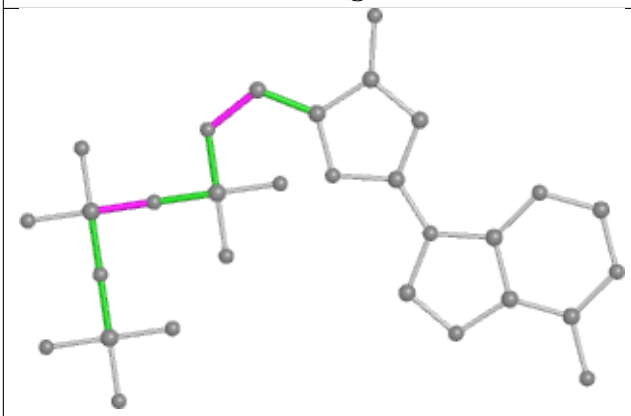
Ligand DTP M 1402



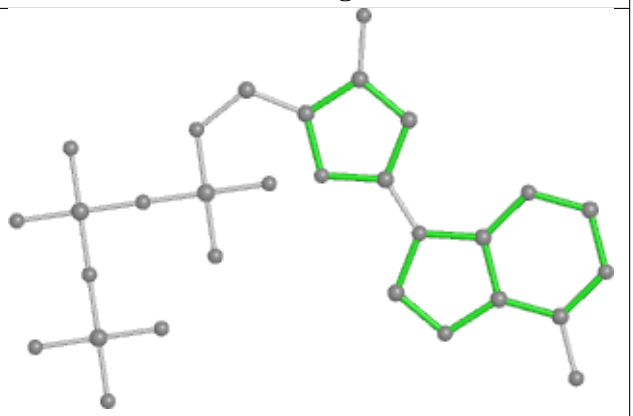
Bond lengths



Bond angles

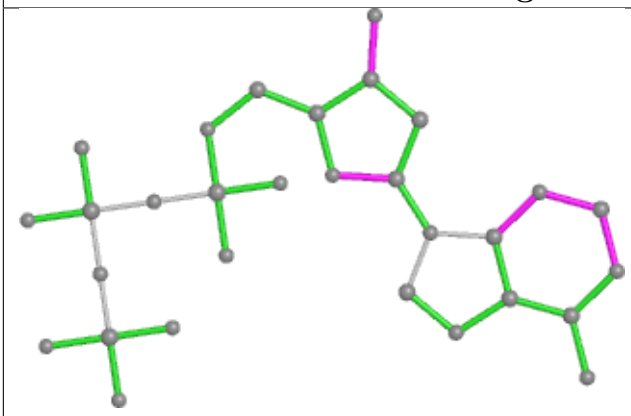


Torsions

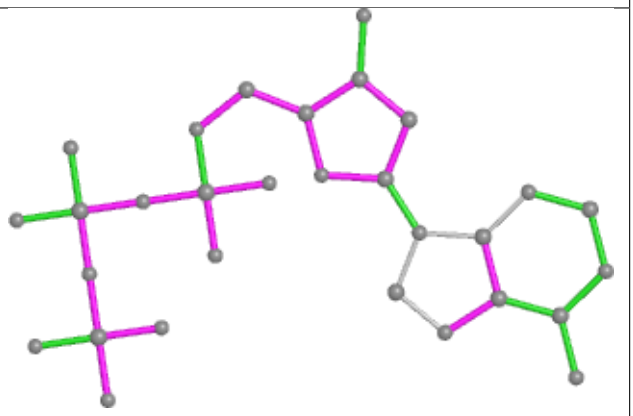


Rings

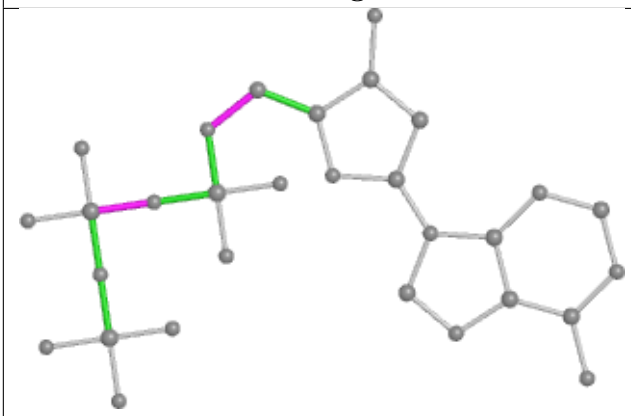
Ligand DTP L 1402



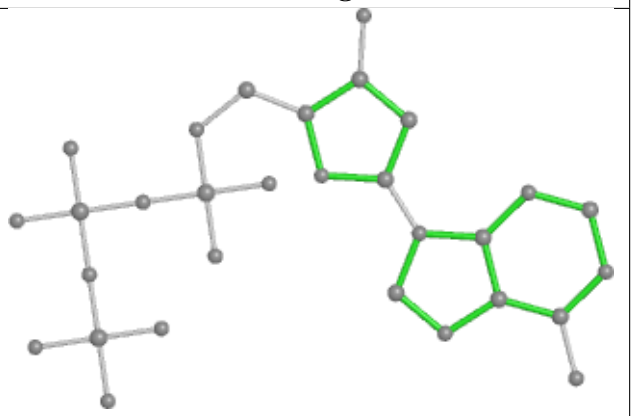
Bond lengths



Bond angles

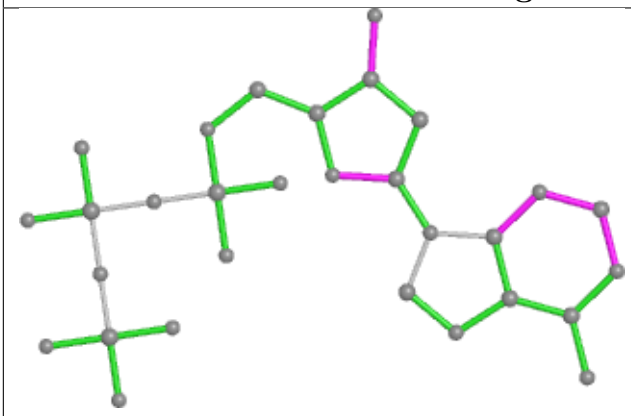


Torsions

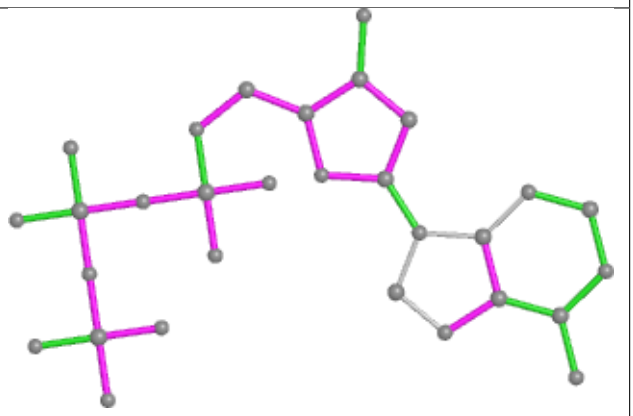


Rings

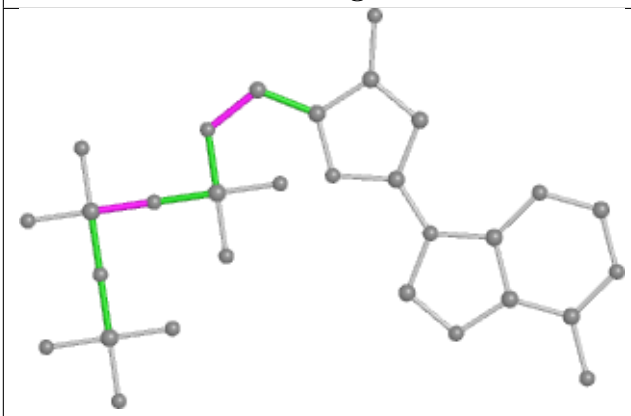
Ligand DTP E 1402



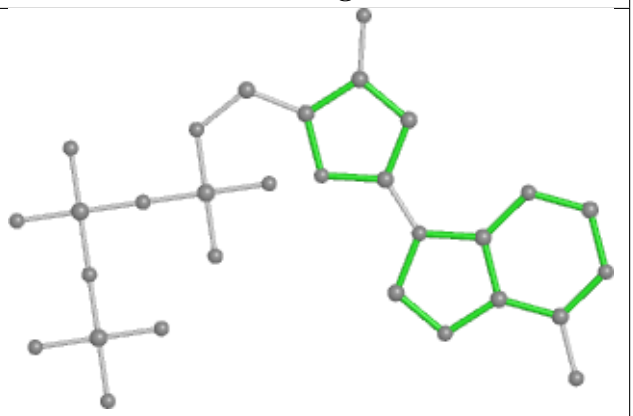
Bond lengths



Bond angles

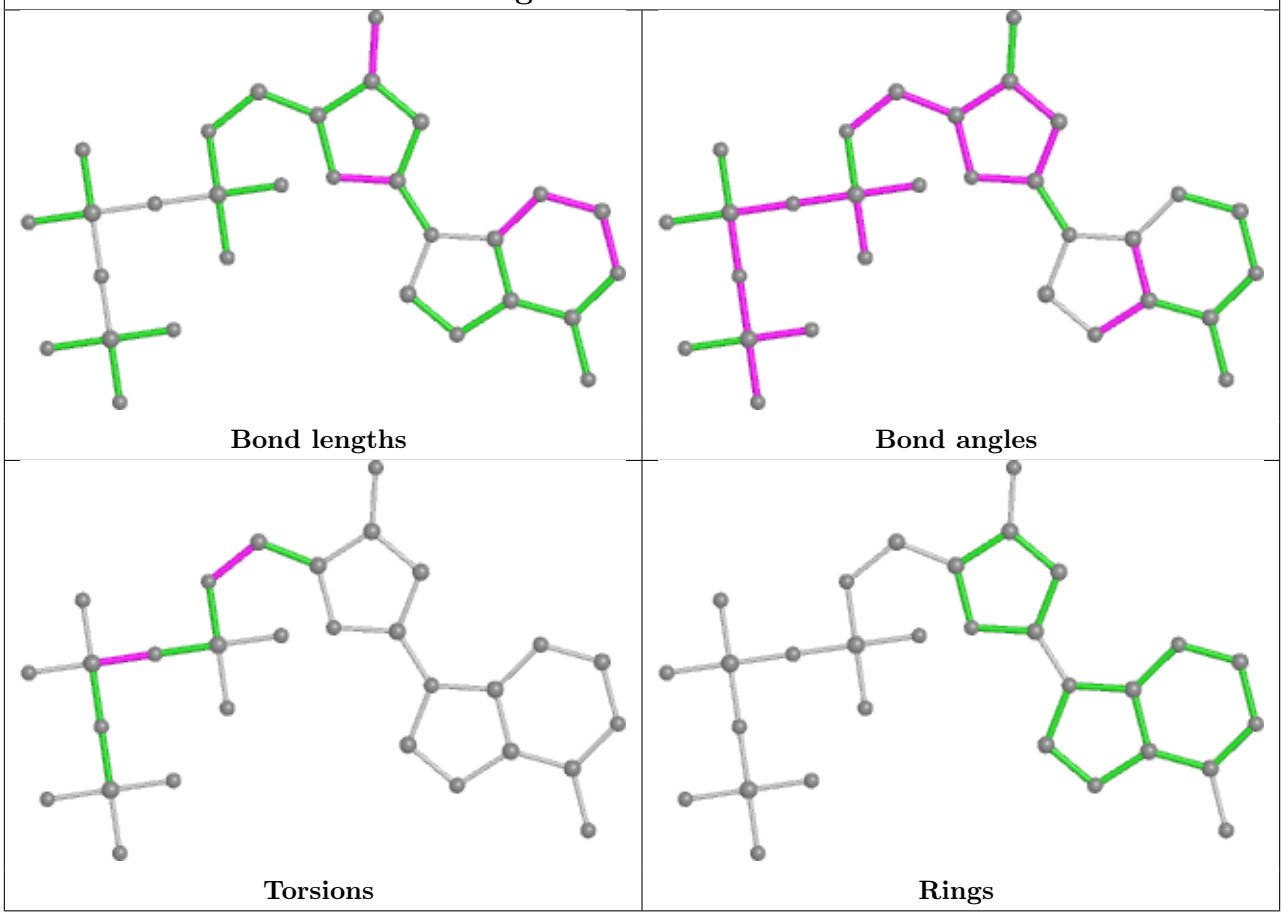


Torsions



Rings

Ligand DTP B 1402



5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
1	A	10
1	B	10
1	C	10
1	D	10
1	E	10
1	F	10
1	G	10
1	H	10
1	I	10
1	J	10

Continued on next page...

Continued from previous page...

Mol	Chain	Number of breaks
1	K	10
1	L	10
1	M	10
1	N	10
1	O	10
1	P	10

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	A	583:ARG	C	587:UNK	N	29.89
1	B	583:ARG	C	587:UNK	N	29.89
1	C	583:ARG	C	587:UNK	N	29.89
1	D	583:ARG	C	587:UNK	N	29.89
1	E	583:ARG	C	587:UNK	N	29.89
1	F	583:ARG	C	587:UNK	N	29.89
1	G	583:ARG	C	587:UNK	N	29.89
1	H	583:ARG	C	587:UNK	N	29.89
1	I	583:ARG	C	587:UNK	N	29.89
1	J	583:ARG	C	587:UNK	N	29.89
1	K	583:ARG	C	587:UNK	N	29.89
1	L	583:ARG	C	587:UNK	N	29.89
1	M	583:ARG	C	587:UNK	N	29.89
1	N	583:ARG	C	587:UNK	N	29.89
1	O	583:ARG	C	587:UNK	N	29.89
1	P	583:ARG	C	587:UNK	N	29.89
1	B	950:UNK	C	957:UNK	N	13.16
1	D	950:UNK	C	957:UNK	N	13.16
1	F	950:UNK	C	957:UNK	N	13.16
1	H	950:UNK	C	957:UNK	N	13.16
1	J	950:UNK	C	957:UNK	N	13.16
1	K	950:UNK	C	957:UNK	N	13.16
1	L	950:UNK	C	957:UNK	N	13.16
1	M	950:UNK	C	957:UNK	N	13.16
1	N	950:UNK	C	957:UNK	N	13.16
1	O	950:UNK	C	957:UNK	N	13.16
1	P	950:UNK	C	957:UNK	N	13.16
1	A	950:UNK	C	957:UNK	N	13.15
1	C	950:UNK	C	957:UNK	N	13.15
1	E	950:UNK	C	957:UNK	N	13.15
1	G	950:UNK	C	957:UNK	N	13.15
1	I	950:UNK	C	957:UNK	N	13.15
1	B	1211:UNK	C	1219:UNK	N	11.85

Continued on next page...

Continued from previous page...

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	D	1211:UNK	C	1219:UNK	N	11.85
1	F	1211:UNK	C	1219:UNK	N	11.85
1	H	1211:UNK	C	1219:UNK	N	11.85
1	J	1211:UNK	C	1219:UNK	N	11.85
1	L	1211:UNK	C	1219:UNK	N	11.85
1	N	1211:UNK	C	1219:UNK	N	11.85
1	P	1211:UNK	C	1219:UNK	N	11.85
1	A	1211:UNK	C	1219:UNK	N	11.84
1	C	1211:UNK	C	1219:UNK	N	11.84
1	E	1211:UNK	C	1219:UNK	N	11.84
1	G	1211:UNK	C	1219:UNK	N	11.84
1	I	1211:UNK	C	1219:UNK	N	11.84
1	K	1211:UNK	C	1219:UNK	N	11.84
1	M	1211:UNK	C	1219:UNK	N	11.84
1	O	1211:UNK	C	1219:UNK	N	11.84
1	A	1289:UNK	C	1315:UNK	N	10.00
1	B	1289:UNK	C	1315:UNK	N	10.00
1	C	1289:UNK	C	1315:UNK	N	10.00
1	D	1289:UNK	C	1315:UNK	N	10.00
1	E	1289:UNK	C	1315:UNK	N	10.00
1	F	1289:UNK	C	1315:UNK	N	10.00
1	G	1289:UNK	C	1315:UNK	N	10.00
1	H	1289:UNK	C	1315:UNK	N	10.00
1	I	1289:UNK	C	1315:UNK	N	10.00
1	J	1289:UNK	C	1315:UNK	N	10.00
1	K	1289:UNK	C	1315:UNK	N	10.00
1	L	1289:UNK	C	1315:UNK	N	10.00
1	M	1289:UNK	C	1315:UNK	N	10.00
1	N	1289:UNK	C	1315:UNK	N	10.00
1	O	1289:UNK	C	1315:UNK	N	10.00
1	P	1289:UNK	C	1315:UNK	N	10.00
1	A	793:UNK	C	821:UNK	N	9.00
1	B	793:UNK	C	821:UNK	N	9.00
1	C	793:UNK	C	821:UNK	N	9.00
1	D	793:UNK	C	821:UNK	N	9.00
1	E	793:UNK	C	821:UNK	N	9.00
1	F	793:UNK	C	821:UNK	N	9.00
1	G	793:UNK	C	821:UNK	N	9.00
1	H	793:UNK	C	821:UNK	N	9.00
1	I	793:UNK	C	821:UNK	N	9.00
1	J	793:UNK	C	821:UNK	N	9.00
1	K	793:UNK	C	821:UNK	N	9.00

Continued on next page...

Continued from previous page...

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	L	793:UNK	C	821:UNK	N	9.00
1	M	793:UNK	C	821:UNK	N	9.00
1	N	793:UNK	C	821:UNK	N	9.00
1	O	793:UNK	C	821:UNK	N	9.00
1	P	793:UNK	C	821:UNK	N	9.00
1	A	719:UNK	C	733:UNK	N	8.19
1	B	719:UNK	C	733:UNK	N	8.19
1	C	719:UNK	C	733:UNK	N	8.19
1	D	719:UNK	C	733:UNK	N	8.19
1	E	719:UNK	C	733:UNK	N	8.19
1	F	719:UNK	C	733:UNK	N	8.19
1	G	719:UNK	C	733:UNK	N	8.19
1	H	719:UNK	C	733:UNK	N	8.19
1	I	719:UNK	C	733:UNK	N	8.19
1	J	719:UNK	C	733:UNK	N	8.19
1	K	719:UNK	C	733:UNK	N	8.19
1	L	719:UNK	C	733:UNK	N	8.19
1	M	719:UNK	C	733:UNK	N	8.19
1	N	719:UNK	C	733:UNK	N	8.19
1	O	719:UNK	C	733:UNK	N	8.19
1	P	719:UNK	C	733:UNK	N	8.19
1	A	747:UNK	C	758:UNK	N	7.70
1	B	747:UNK	C	758:UNK	N	7.70
1	C	747:UNK	C	758:UNK	N	7.70
1	D	747:UNK	C	758:UNK	N	7.70
1	E	747:UNK	C	758:UNK	N	7.70
1	F	747:UNK	C	758:UNK	N	7.70
1	G	747:UNK	C	758:UNK	N	7.70
1	H	747:UNK	C	758:UNK	N	7.70
1	I	747:UNK	C	758:UNK	N	7.70
1	J	747:UNK	C	758:UNK	N	7.70
1	K	747:UNK	C	758:UNK	N	7.70
1	L	747:UNK	C	758:UNK	N	7.70
1	M	747:UNK	C	758:UNK	N	7.70
1	N	747:UNK	C	758:UNK	N	7.70
1	O	747:UNK	C	758:UNK	N	7.70
1	P	747:UNK	C	758:UNK	N	7.70
1	A	914:UNK	C	946:UNK	N	7.20
1	B	914:UNK	C	946:UNK	N	7.20
1	C	914:UNK	C	946:UNK	N	7.20
1	D	914:UNK	C	946:UNK	N	7.20
1	E	914:UNK	C	946:UNK	N	7.20

Continued on next page...

Continued from previous page...

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	F	914:UNK	C	946:UNK	N	7.20
1	G	914:UNK	C	946:UNK	N	7.20
1	H	914:UNK	C	946:UNK	N	7.20
1	I	914:UNK	C	946:UNK	N	7.20
1	J	914:UNK	C	946:UNK	N	7.20
1	K	914:UNK	C	946:UNK	N	7.20
1	L	914:UNK	C	946:UNK	N	7.20
1	M	914:UNK	C	946:UNK	N	7.20
1	N	914:UNK	C	946:UNK	N	7.20
1	O	914:UNK	C	946:UNK	N	7.20
1	P	914:UNK	C	946:UNK	N	7.20
1	A	679:UNK	C	699:UNK	N	6.82
1	B	679:UNK	C	699:UNK	N	6.82
1	C	679:UNK	C	699:UNK	N	6.82
1	D	679:UNK	C	699:UNK	N	6.82
1	E	679:UNK	C	699:UNK	N	6.82
1	F	679:UNK	C	699:UNK	N	6.82
1	G	679:UNK	C	699:UNK	N	6.82
1	H	679:UNK	C	699:UNK	N	6.82
1	I	679:UNK	C	699:UNK	N	6.82
1	J	679:UNK	C	699:UNK	N	6.82
1	K	679:UNK	C	699:UNK	N	6.82
1	L	679:UNK	C	699:UNK	N	6.82
1	M	679:UNK	C	699:UNK	N	6.82
1	N	679:UNK	C	699:UNK	N	6.82
1	O	679:UNK	C	699:UNK	N	6.82
1	P	679:UNK	C	699:UNK	N	6.82
1	A	601:UNK	C	602:UNK	N	1.64
1	B	601:UNK	C	602:UNK	N	1.64
1	C	601:UNK	C	602:UNK	N	1.64
1	D	601:UNK	C	602:UNK	N	1.64
1	E	601:UNK	C	602:UNK	N	1.64
1	F	601:UNK	C	602:UNK	N	1.64
1	G	601:UNK	C	602:UNK	N	1.64
1	H	601:UNK	C	602:UNK	N	1.64
1	I	601:UNK	C	602:UNK	N	1.64
1	J	601:UNK	C	602:UNK	N	1.64
1	K	601:UNK	C	602:UNK	N	1.64
1	L	601:UNK	C	602:UNK	N	1.64
1	M	601:UNK	C	602:UNK	N	1.64
1	N	601:UNK	C	602:UNK	N	1.64
1	O	601:UNK	C	602:UNK	N	1.64

Continued on next page...

Continued from previous page...

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	P	601:UNK	C	602:UNK	N	1.64

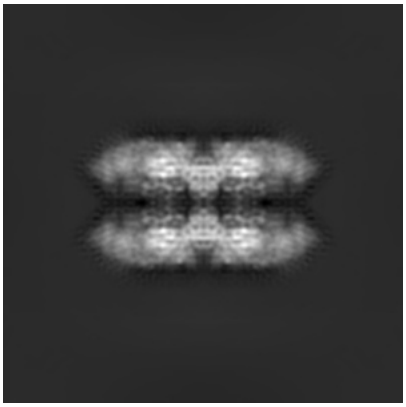
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-5235. These allow visual inspection of the internal detail of the map and identification of artifacts.

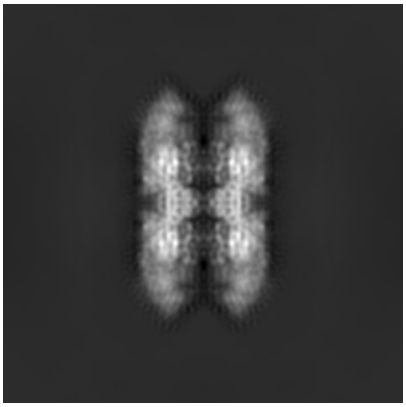
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

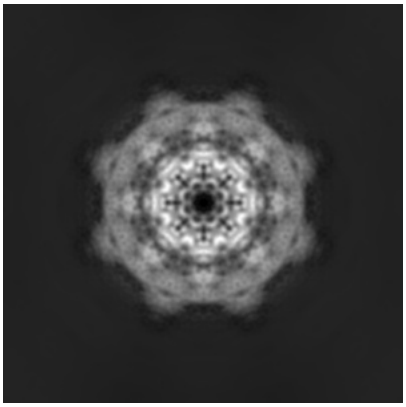
6.1.1 Primary map



X



Y

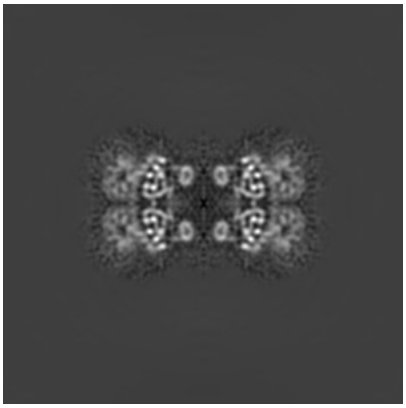


Z

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

6.2 Central slices

6.2.1 Primary map



X Index: 144

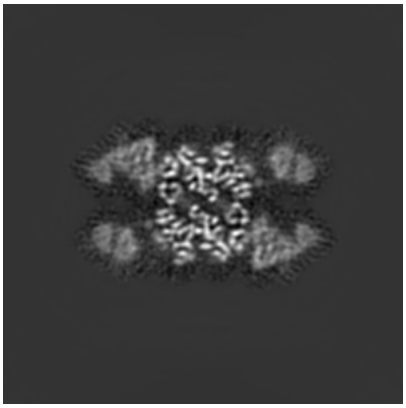
Y Index: 144

Z Index: 144

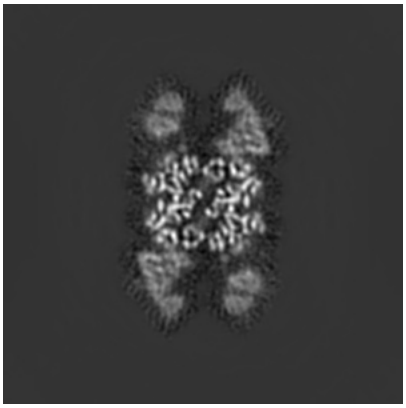
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

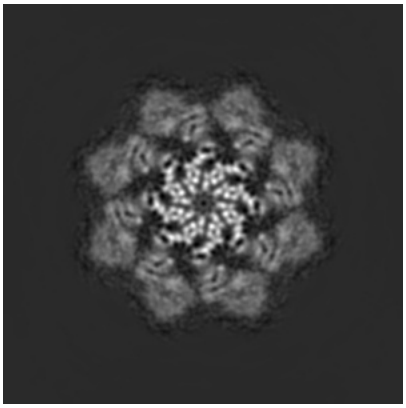
6.3.1 Primary map



X Index: 173



Y Index: 173

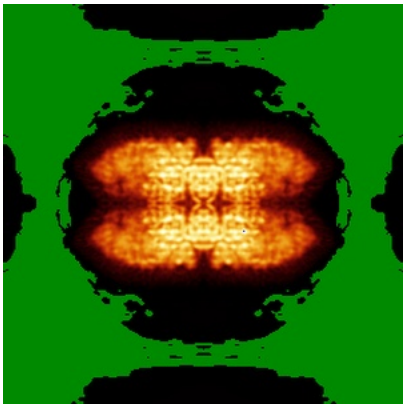


Z Index: 119

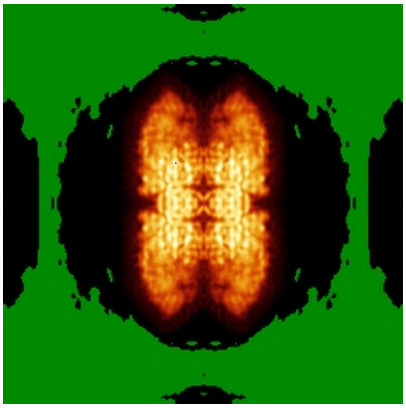
The images above show the largest variance slices of the map in three orthogonal directions.

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

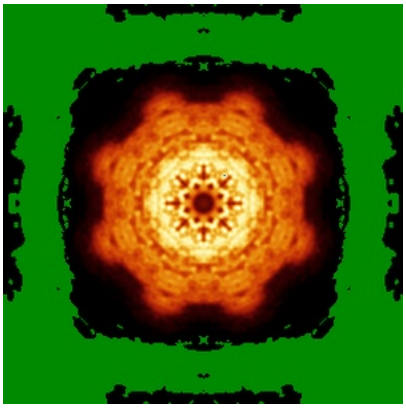
6.4.1 Primary map



X



Y



Z

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

6.5 Orthogonal surface views (i)

6.5.1 Primary map

X Y Z

The images above show the 3D surface view of the map at the recommended contour level 0.8. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

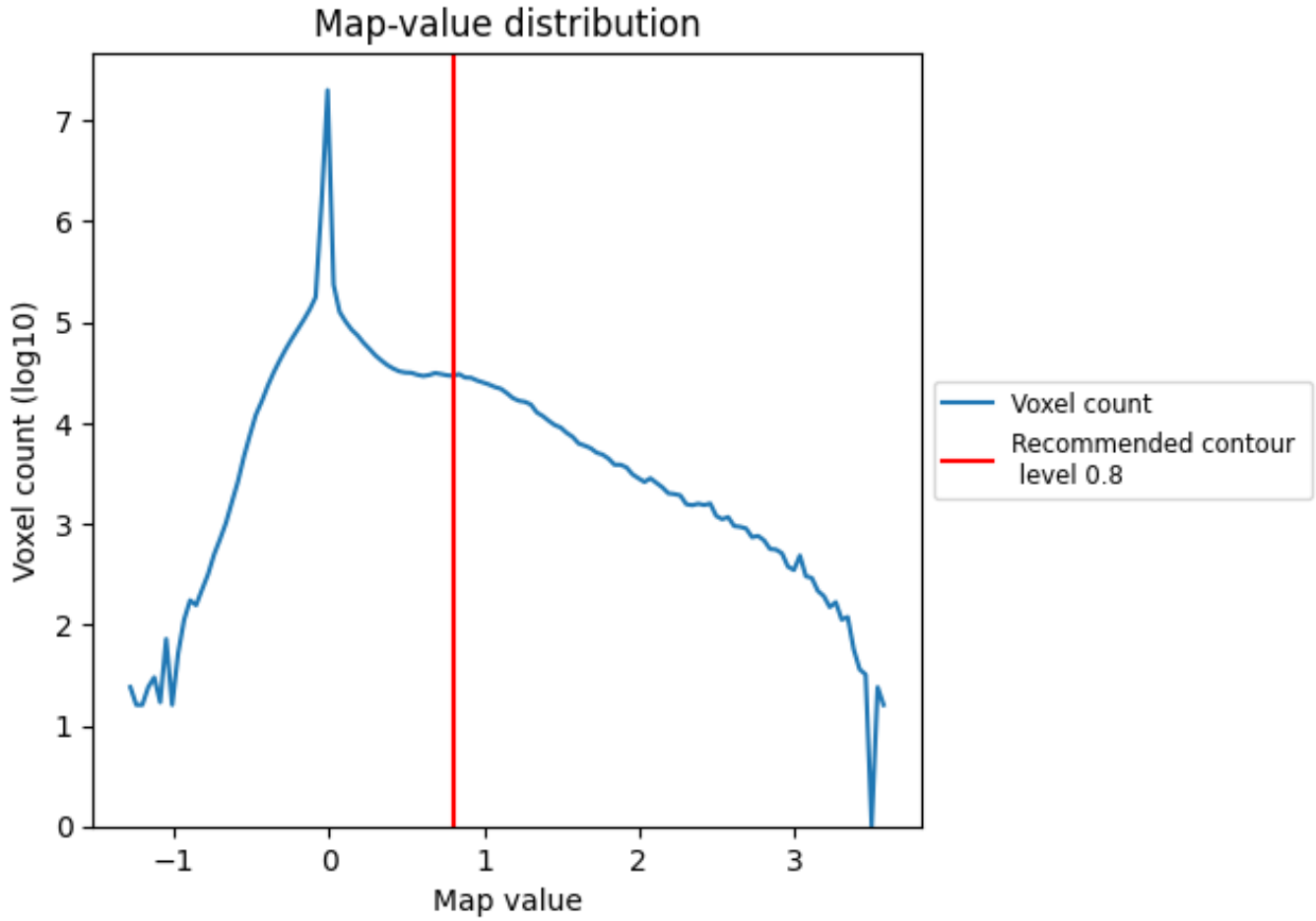
6.6 Mask visualisation (i)

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

7 Map analysis

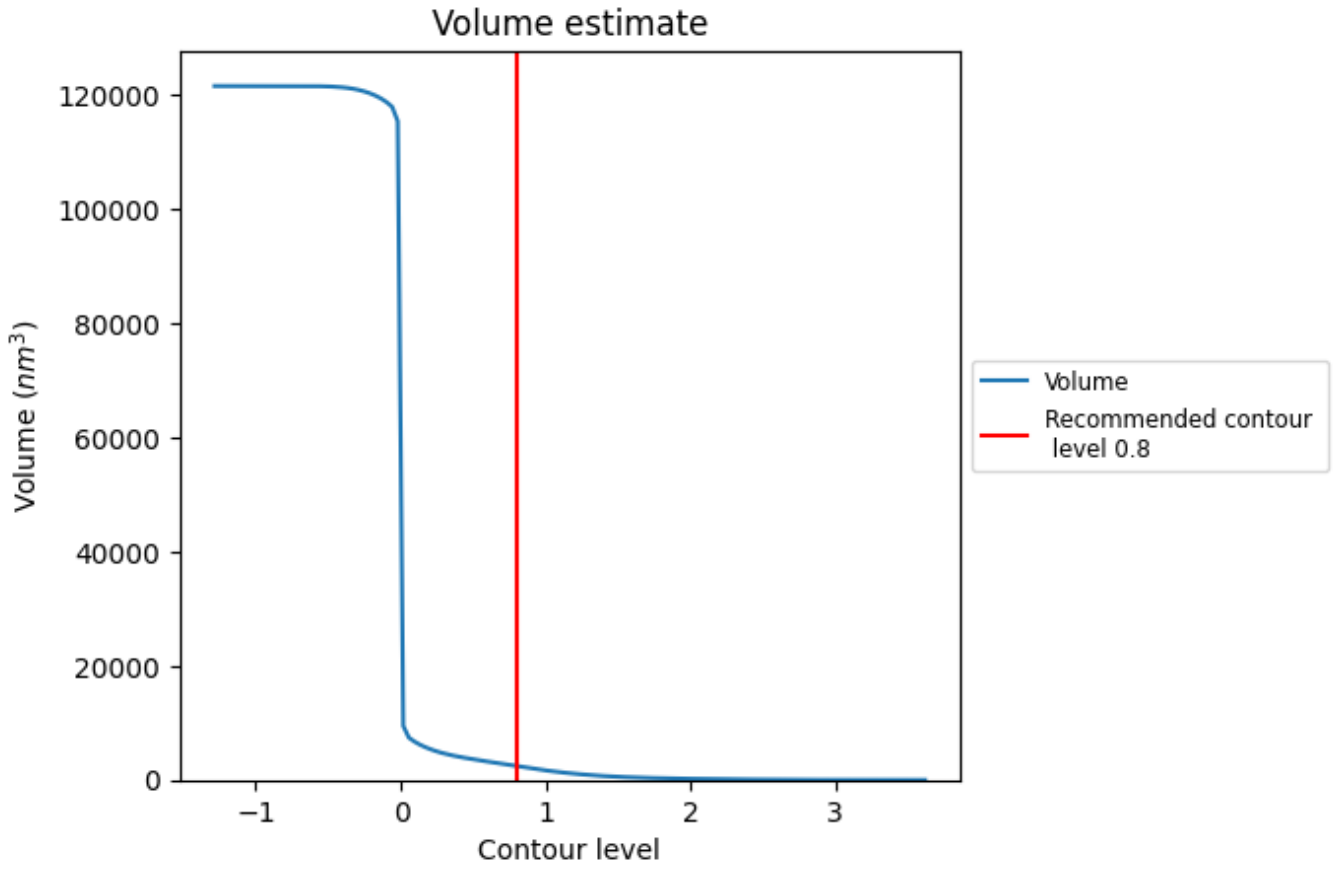
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



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

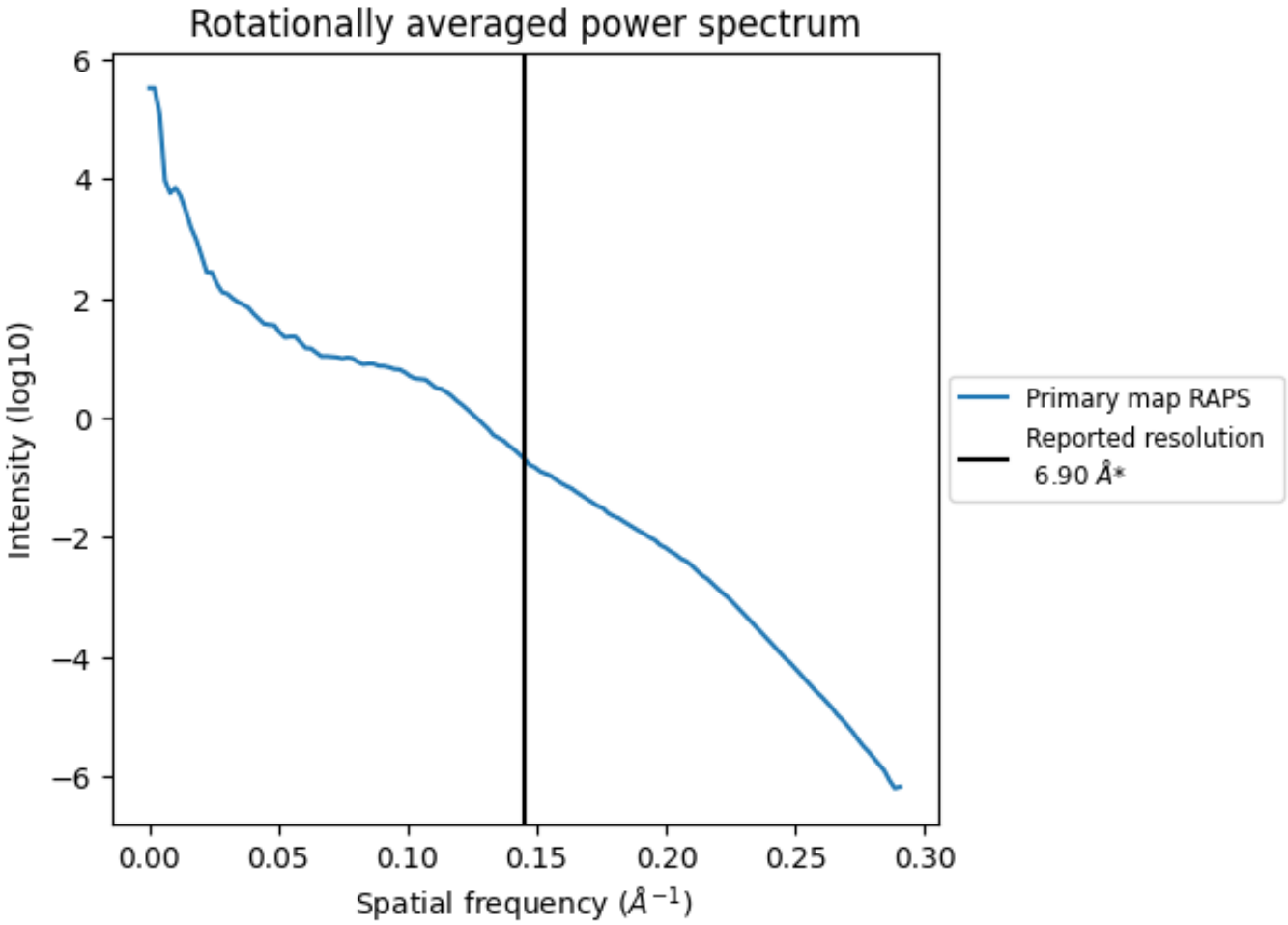
7.2 Volume estimate



The volume at the recommended contour level is 2428 nm^3; this corresponds to an approximate mass of 2193 kDa.

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

7.3 Rotationally averaged power spectrum (i)



*Reported resolution corresponds to spatial frequency of 0.145 Å^{-1}

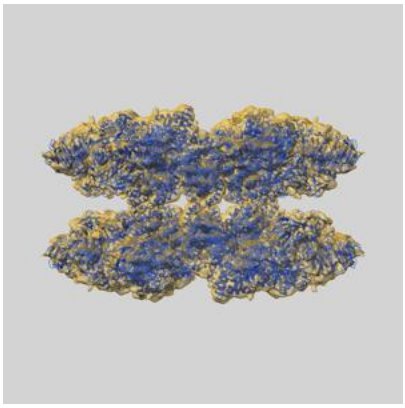
8 Fourier-Shell correlation

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

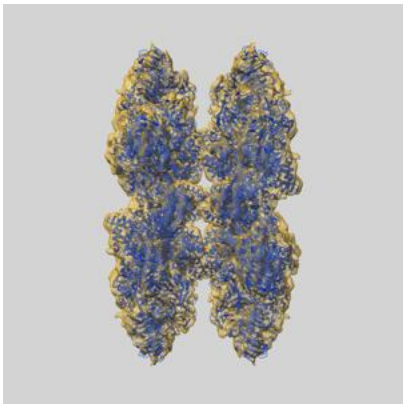
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-5235 and PDB model 4V4L. Per-residue inclusion information can be found in section 3 on page 10.

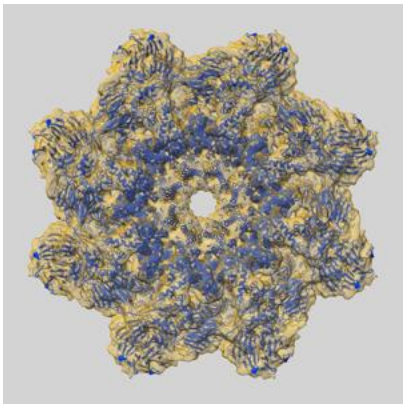
9.1 Map-model overlay



X



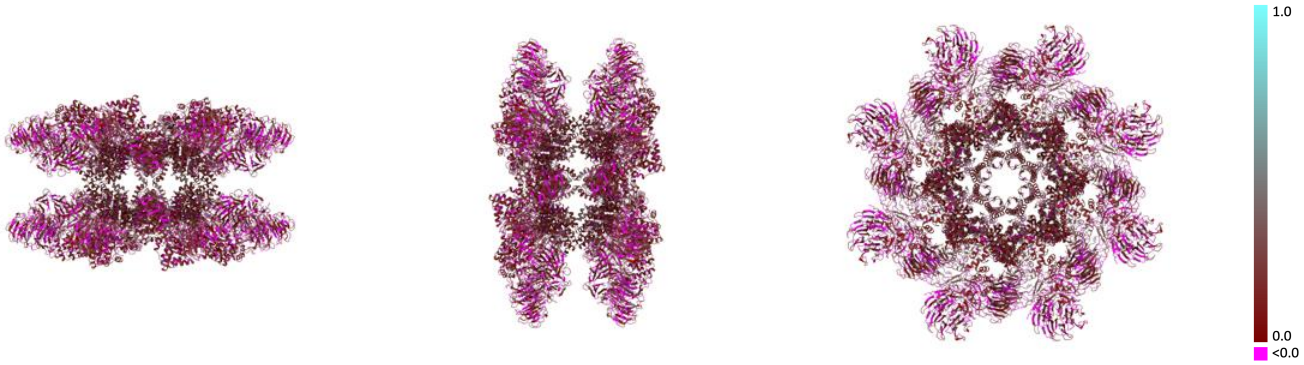
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.8 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

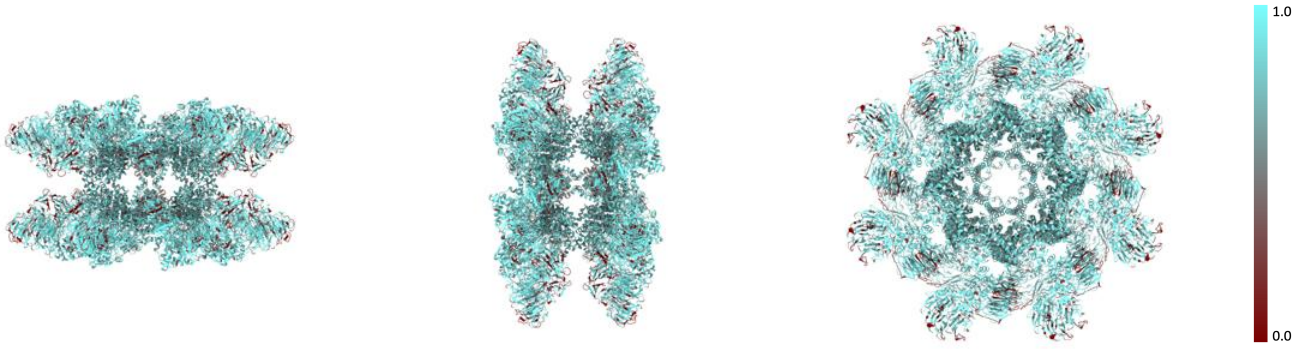
9.2 Q-score mapped to coordinate model



X Y Z

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

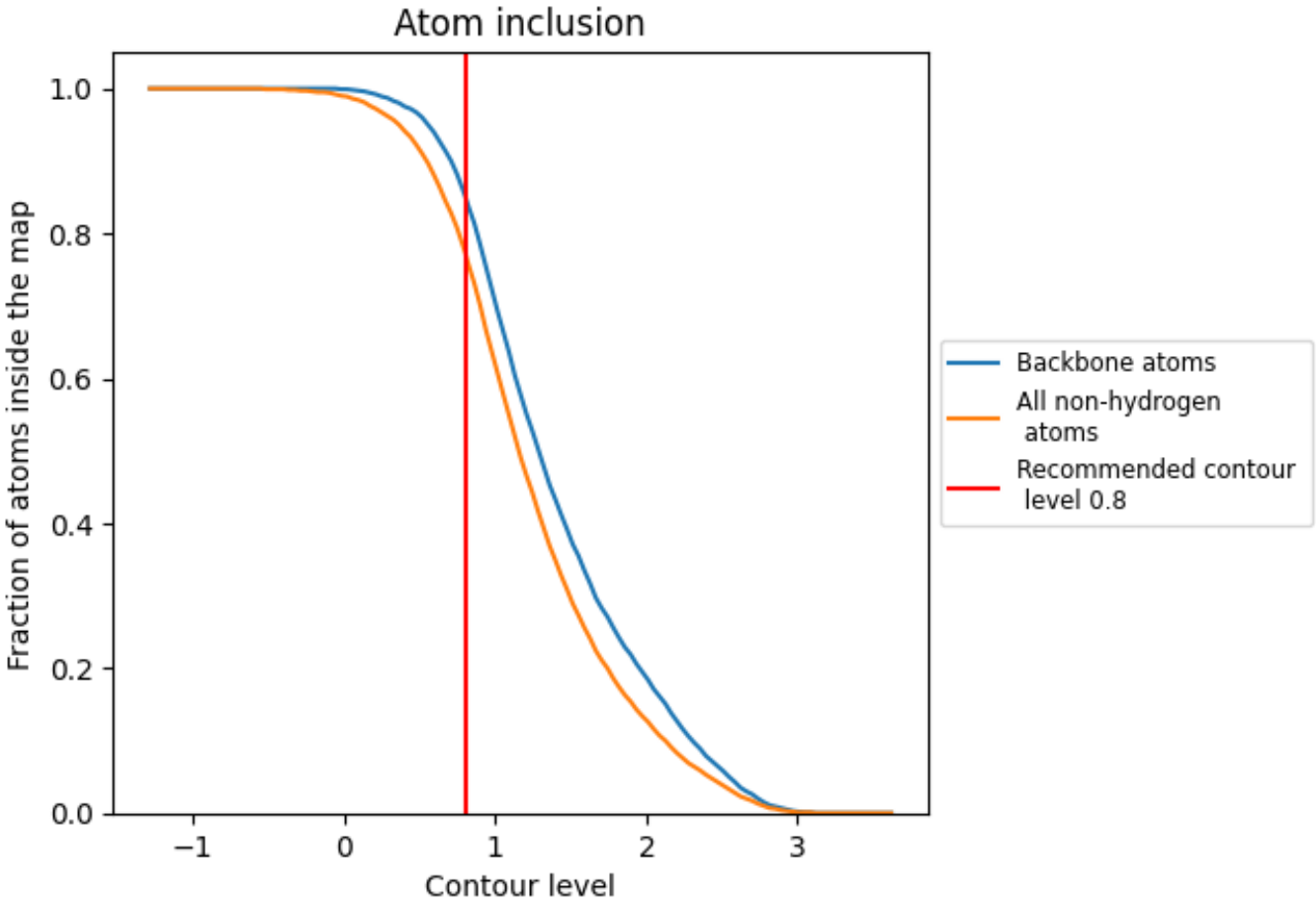
9.3 Atom inclusion mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.8).

9.4 Atom inclusion (i)



At the recommended contour level, 85% of all backbone atoms, 77% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.8) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.7740	0.1250
A	0.7740	0.1250
B	0.7740	0.1250
C	0.7700	0.1260
D	0.7770	0.1250
E	0.7740	0.1250
F	0.7740	0.1250
G	0.7700	0.1250
H	0.7770	0.1240
I	0.7740	0.1250
J	0.7770	0.1240
K	0.7700	0.1250
L	0.7740	0.1250
M	0.7740	0.1250
N	0.7770	0.1240
O	0.7700	0.1250
P	0.7750	0.1240