Full wwPDB EM Validation Report ⓘ

Mar 6, 2026 – 03:54 PM UTC

PDB ID	:	2W4A / pdb_00002w4a
EMDB ID	:	EMD-1561
Title	:	ISOMETRICALLY CONTRACTING INSECT ASYNCHRONOUS FLIGHT MUSCLE
Authors	:	Wu, S.; Liu, J.; Reedy, M.C.; Tregear, R.T.; Winkler, H.; Franzini-Armstrong, C.; Sasaki, H.; Lucaveche, C.; Goldman, Y.E.; Reedy, M.K.; Taylor, K.A.
Deposited on	:	2008-11-24
Resolution	:	35.00 Å(reported)

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

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

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

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

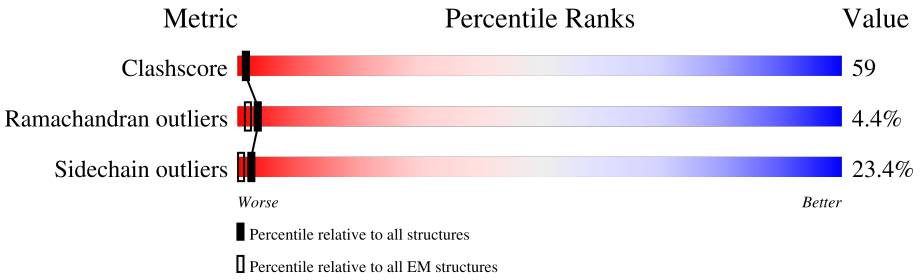
EMDB validation analysis	:	0.0.1.dev132
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	NOT EXECUTED
MapQ	:	FAILED
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance

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

The reported resolution of this entry is 35.00 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	229148	23984
Ramachandran outliers	224038	23583
Sidechain outliers	223484	23102

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%

Mol	Chain	Length	Quality of chain
1	1-B	150	41% 35% 17% 6%
1	10-B	150	41% 36% 17% 6%
1	11-B	150	41% 35% 18% 6%
1	12-B	150	42% 35% 17% 6%
1	13-B	150	41% 36% 17% 6%
1	14-B	150	41% 35% 17% 6%
1	15-B	150	41% 35% 17% 6%
1	16-B	150	41% 36% 17% 6%
1	17-B	150	40% 36% 18% 6%

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Mol	Chain	Length	Quality of chain
1	18-B	150	42% 35% 17% 6%
1	19-B	150	41% 34% 19% 6%
1	2-B	150	42% 35% 17% 6%
1	20-B	150	41% 35% 17% 6%
1	21-B	150	42% 33% 19% 6%
1	22-B	150	41% 36% 17% 6%
1	3-B	150	41% 34% 19% 6%
1	4-B	150	41% 35% 17% 6%
1	5-B	150	41% 33% 19% 7%
1	6-B	150	41% 35% 18% 6%
1	7-B	150	41% 35% 18% 6%
1	8-B	150	42% 33% 19% 6%
1	9-B	150	42% 35% 17% 6%
2	1-C	145	35% 47% 13% 5%
2	10-C	145	35% 47% 13% 5%
2	11-C	145	34% 48% 12% 5%
2	12-C	145	30% 49% 16% 5%
2	13-C	145	35% 47% 13% 5%
2	14-C	145	30% 51% 14% 5%
2	15-C	145	35% 47% 13% 5%
2	16-C	145	36% 46% 13% 5%
2	17-C	145	36% 46% 13% 5%
2	18-C	145	34% 48% 13% 5%
2	19-C	145	32% 48% 14% 5%
2	2-C	145	33% 49% 13% 5%

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Mol	Chain	Length	Quality of chain
2	20-C	145	35% 47% 13% 5%
2	21-C	145	32% 49% 14% 5%
2	22-C	145	36% 47% 12% 5%
2	3-C	145	34% 47% 14% 5%
2	4-C	145	35% 47% 13% 5%
2	5-C	145	30% 52% 13% 5%
2	6-C	145	35% 47% 13% 5%
2	7-C	145	35% 47% 13% 5%
2	8-C	145	34% 48% 12% 5%
2	9-C	145	35% 47% 13% 5%
3	1-M	840	27% 44% 22%
3	10-M	840	26% 45% 21%
3	11-M	840	26% 45% 22%
3	12-M	840	26% 45% 22%
3	13-M	840	26% 45% 22%
3	14-M	840	26% 45% 22%
3	15-M	840	26% 44% 22%
3	16-M	840	26% 44% 22%
3	17-M	840	26% 44% 22%
3	18-M	840	26% 45% 21%
3	19-M	840	26% 44% 22%
3	2-M	840	26% 44% 21%
3	20-M	840	26% 44% 22%
3	21-M	840	26% 45% 22%
3	22-M	840	26% 45% 22%

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Mol	Chain	Length	Quality of chain
3	3-M	840	27% 44% 21%
3	4-M	840	26% 44% 22%
3	5-M	840	25% 46% 21%
3	6-M	840	27% 44% 22%
3	7-M	840	27% 44% 21%
3	8-M	840	26% 45% 21%
3	9-M	840	26% 45% 21%

2 Entry composition (i)

There are 3 unique types of molecules in this entry. The entry contains 192676 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 MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	1-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	2-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	3-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	4-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	5-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	6-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	7-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	8-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	9-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	10-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	11-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	12-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	13-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	14-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	15-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	16-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	17-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	18-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	19-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	20-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	21-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	22-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	26	ASP	GLU	conflict	UNP P02609

- Molecule 2 is a protein called MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	1-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	2-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	3-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	4-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	5-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	6-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	7-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	8-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	9-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	10-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	11-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	12-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	13-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	14-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	15-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	16-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	17-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	18-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	19-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	20-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	21-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	22-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		

- Molecule 3 is a protein called MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	1-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	2-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	3-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	4-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	5-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	6-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	7-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	8-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	9-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	10-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	11-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	12-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	13-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	14-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	15-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	16-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	17-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	18-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	19-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	20-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	21-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	22-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		

There is a discrepancy between the modelled and reference sequences:

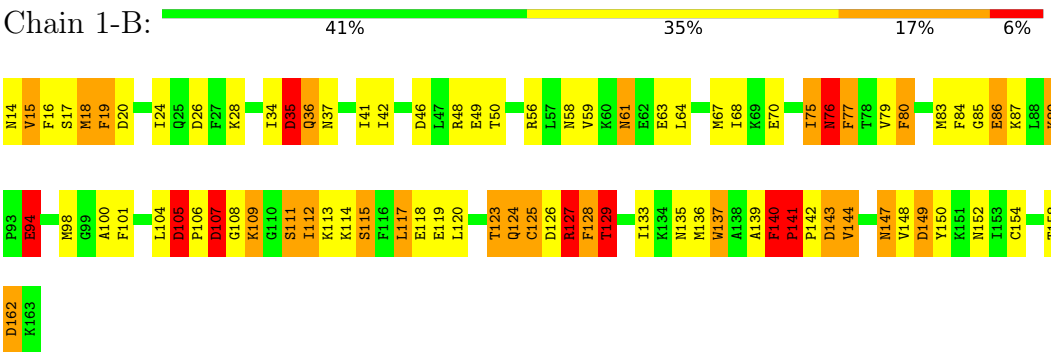
Chain	Residue	Modelled	Actual	Comment	Reference
M	138	LYS	GLU	conflict	UNP P02609

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. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

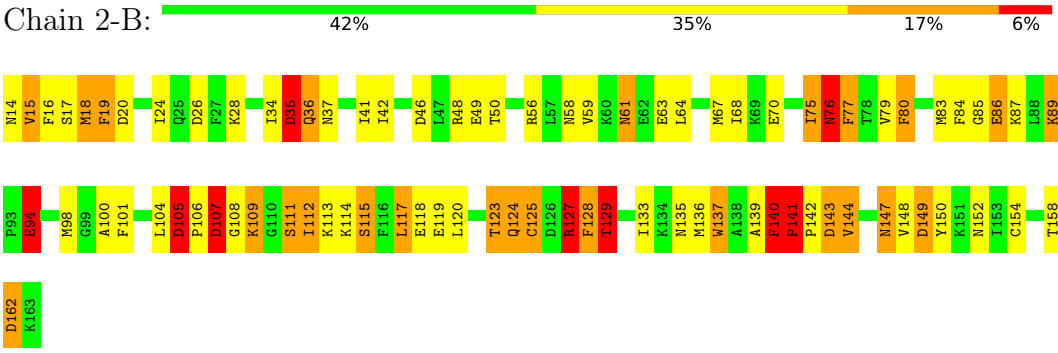
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 1-B:



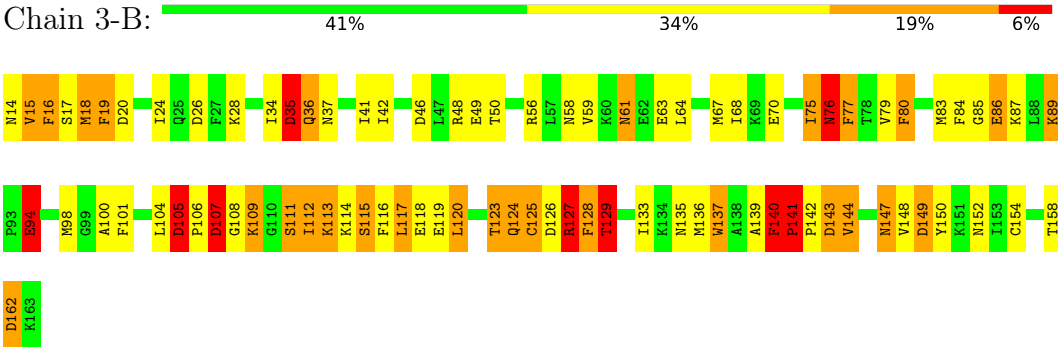
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 2-B:



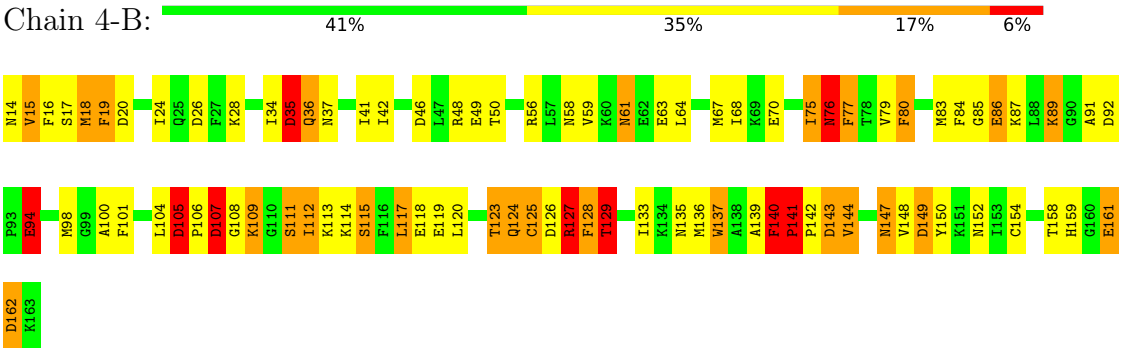
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 3-B:



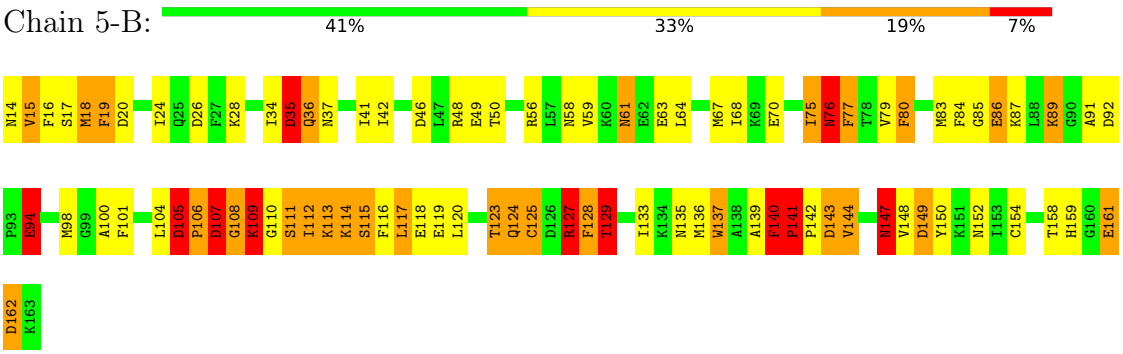
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 4-B:



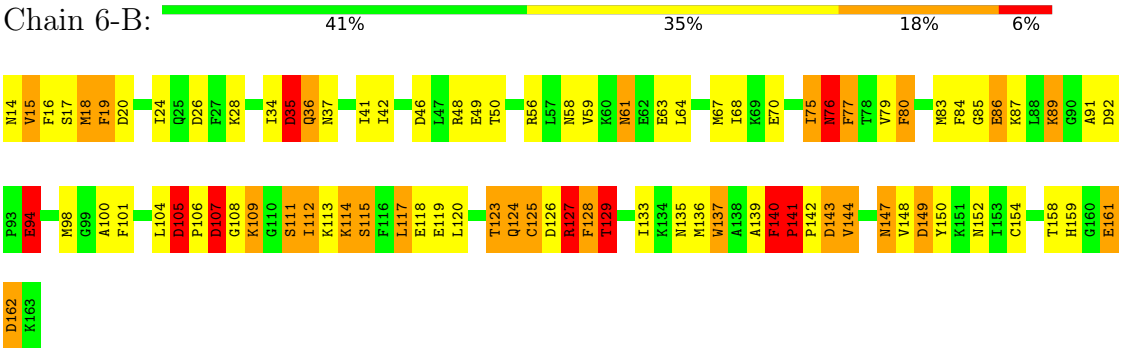
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 5-B:



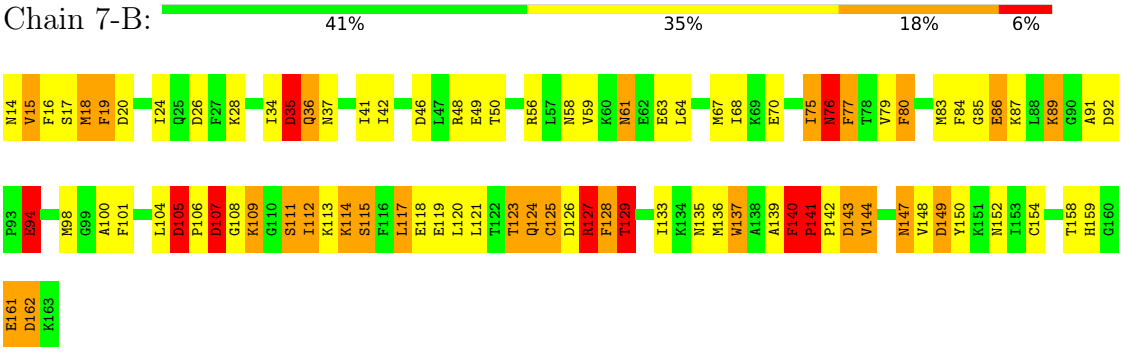
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 6-B:



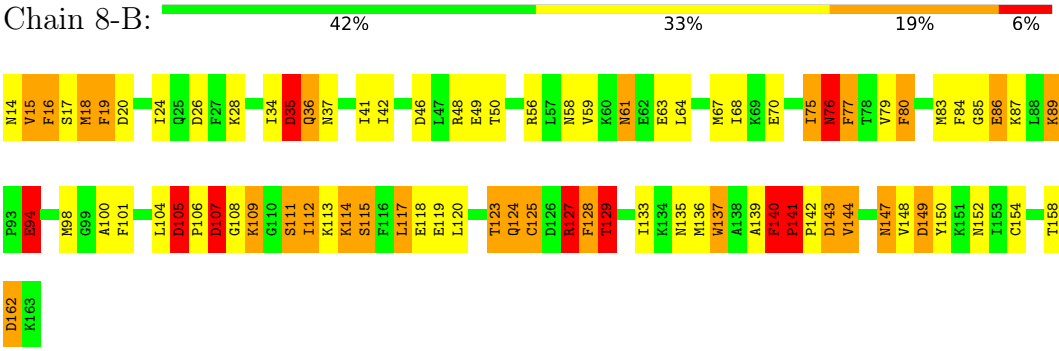
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 7-B:



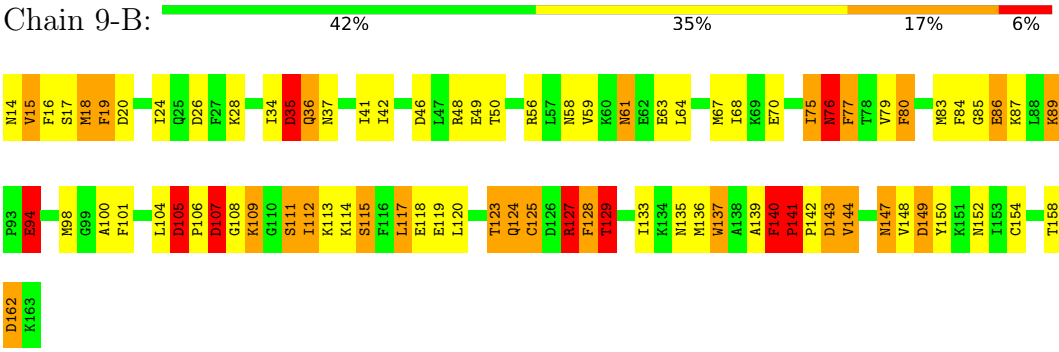
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 8-B:



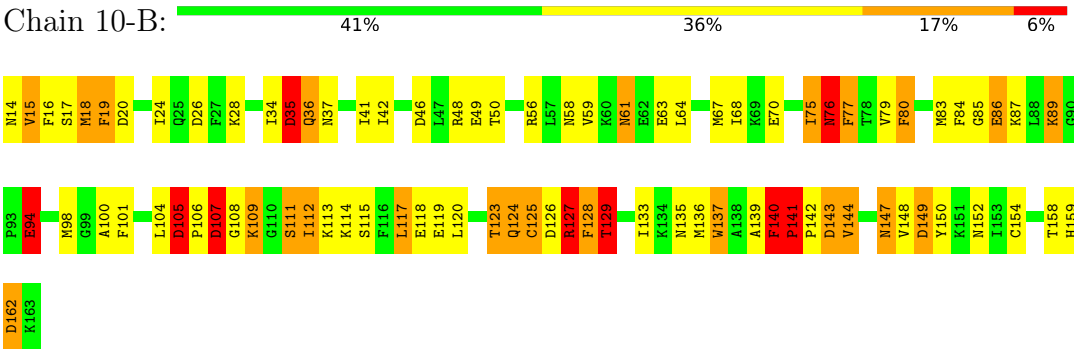
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 9-B:



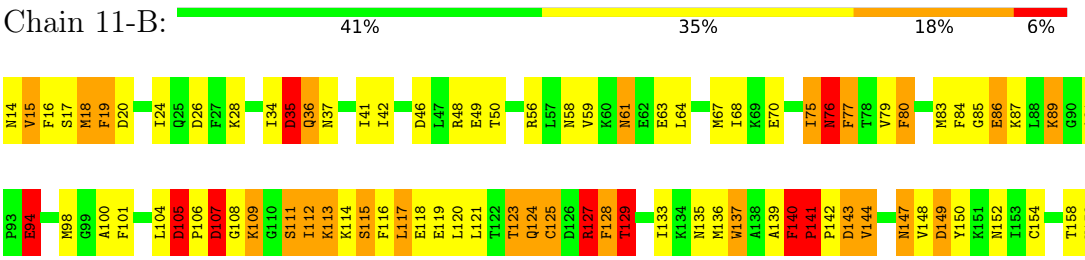
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 10-B:



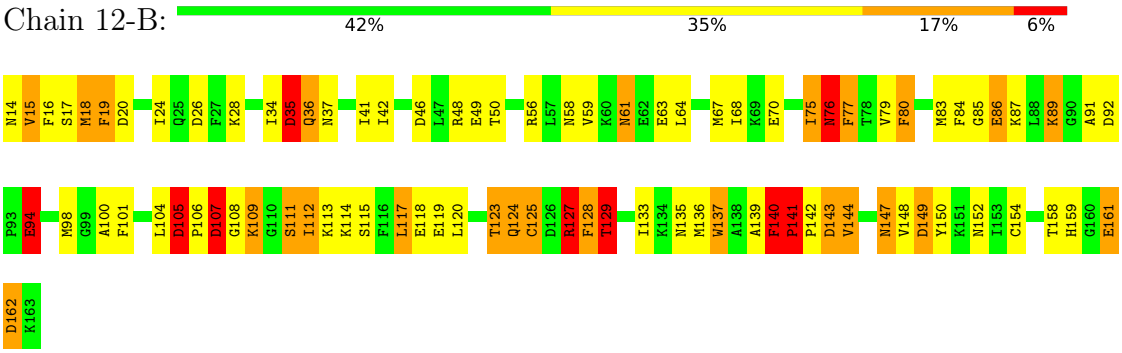
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 11-B:



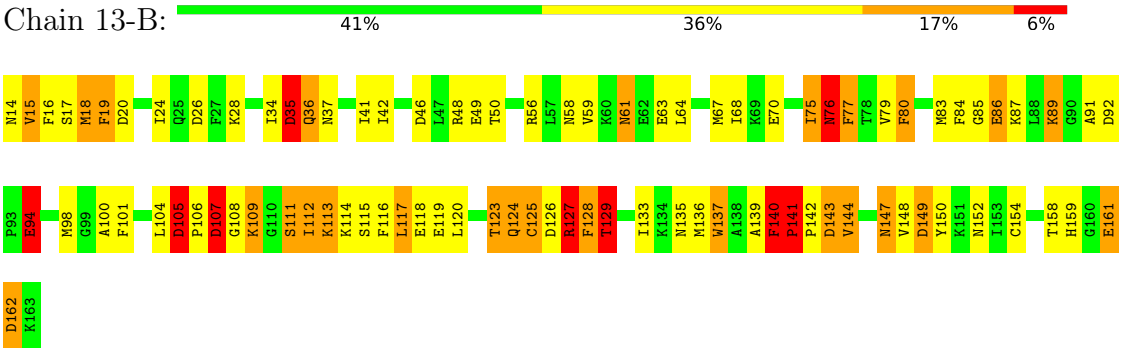
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 12-B:



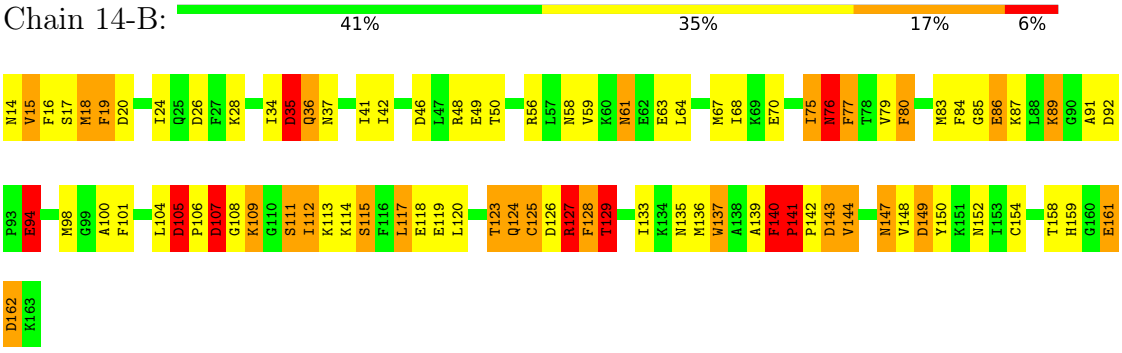
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 13-B:



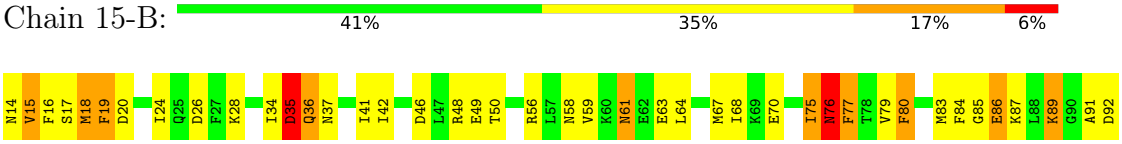
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

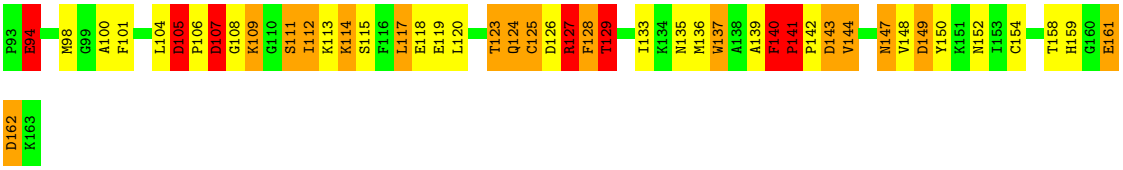
Chain 14-B:



• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

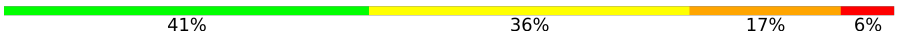
Chain 15-B:





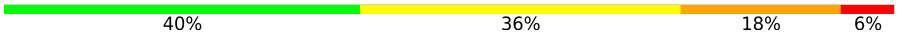
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

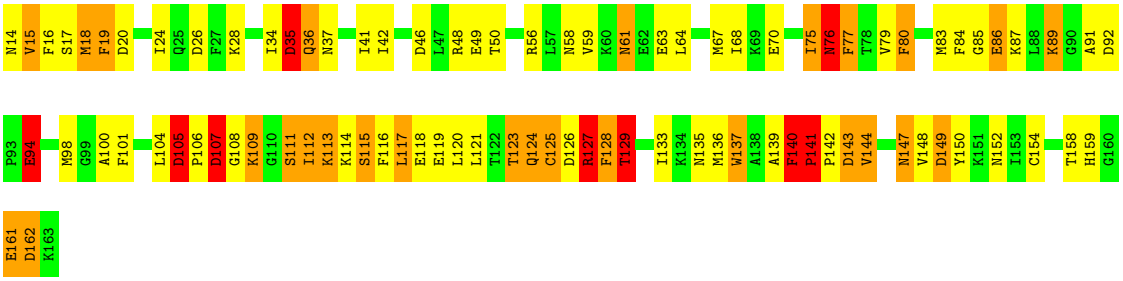
Chain 16-B:



• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

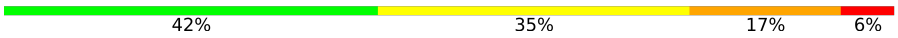
Chain 17-B:





• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 18-B:

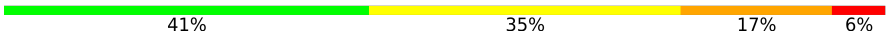


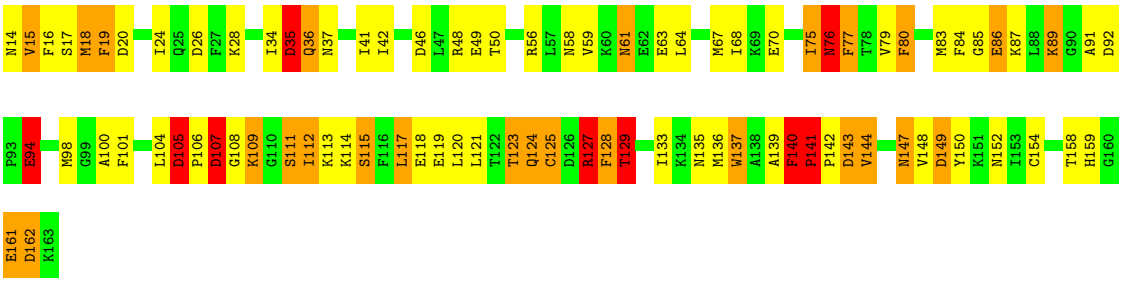
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 19-B:

• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

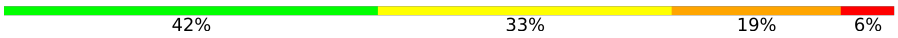
Chain 20-B:

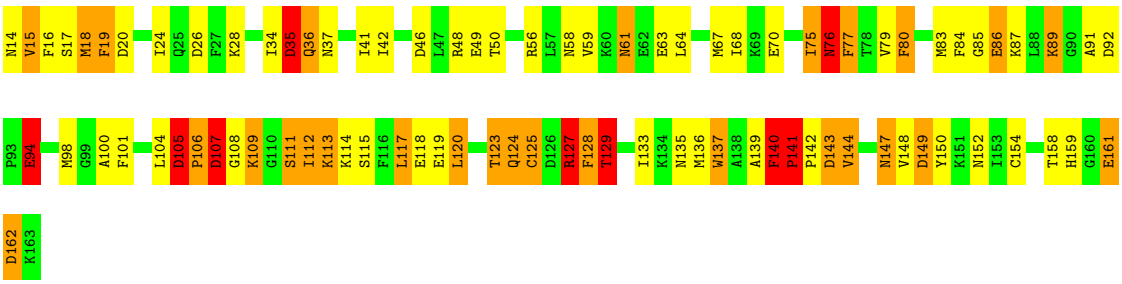




• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

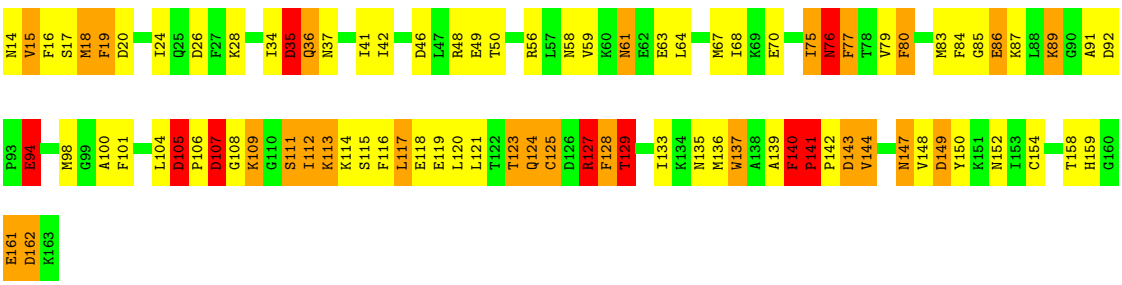
Chain 21-B:





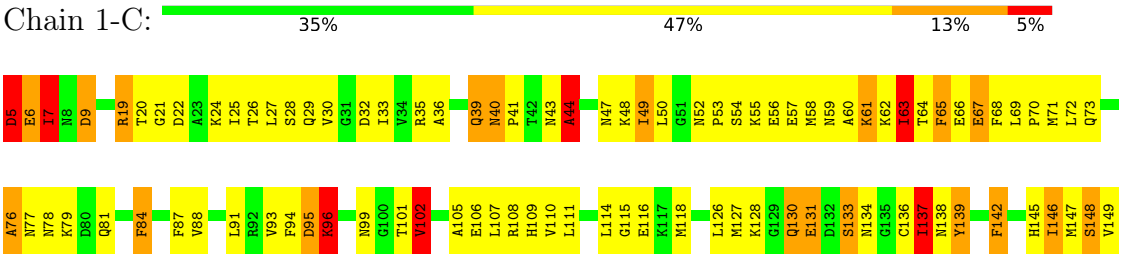
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 22-B:



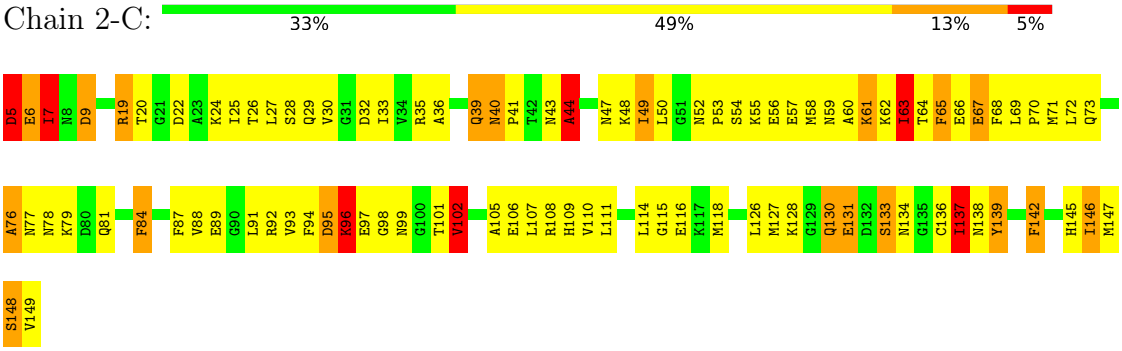
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 1-C:



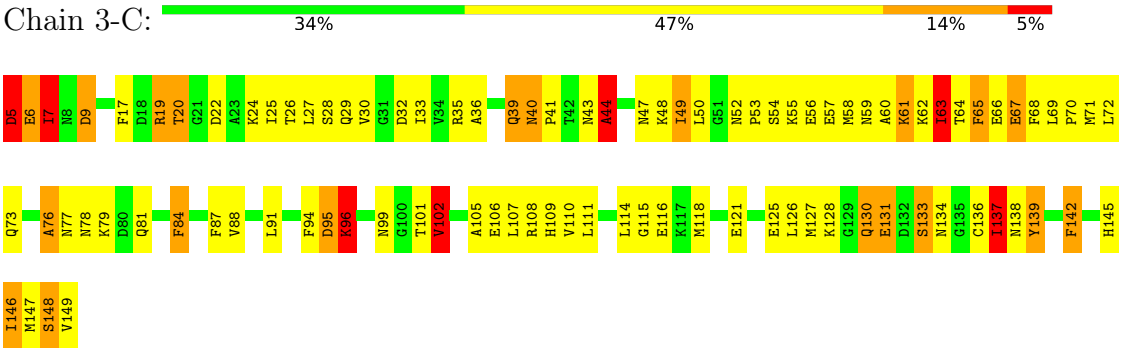
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 2-C:



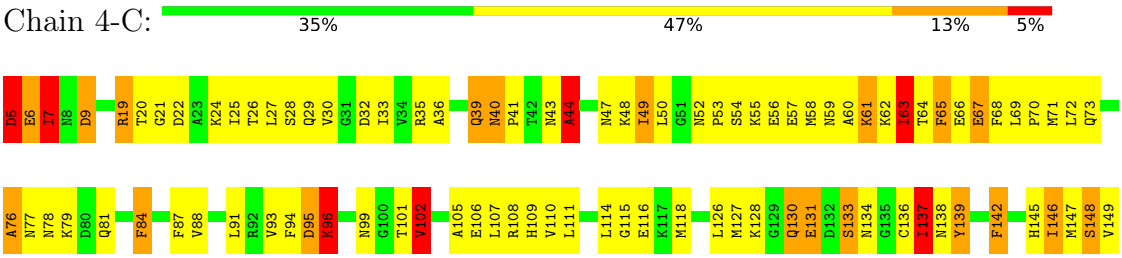
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 3-C:



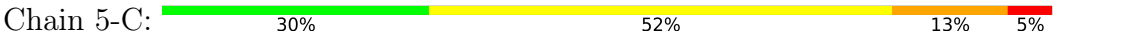
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

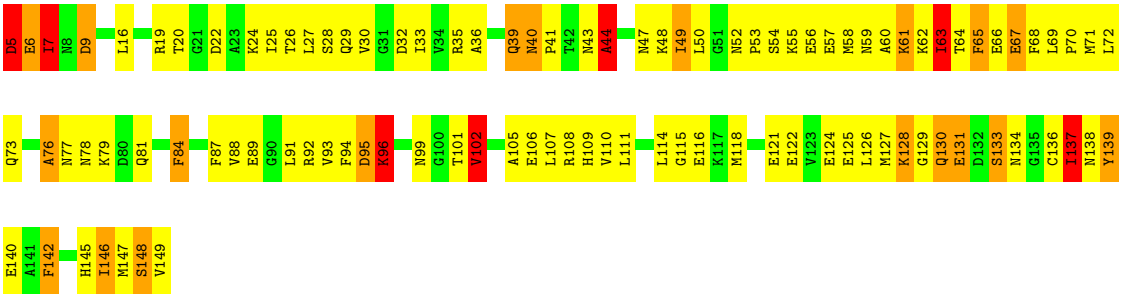
Chain 4-C:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

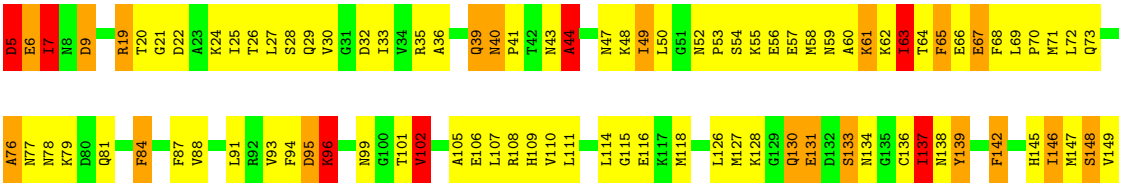
Chain 5-C:





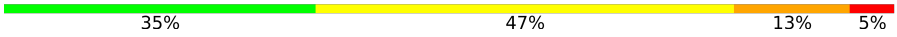
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

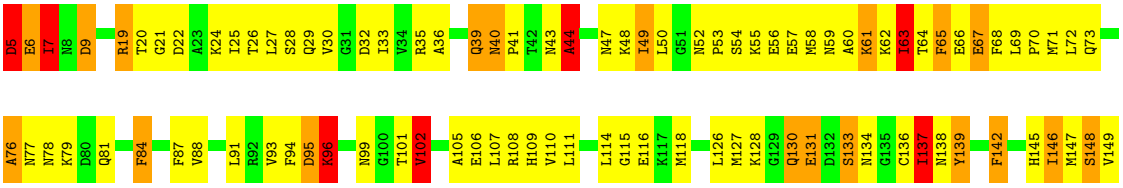
Chain 6-C:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

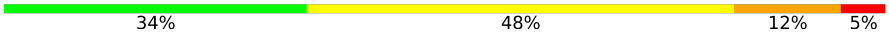
Chain 7-C:





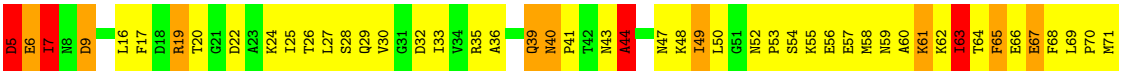
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

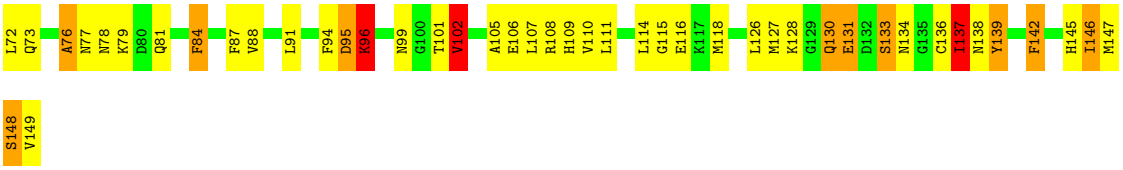
Chain 8-C:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

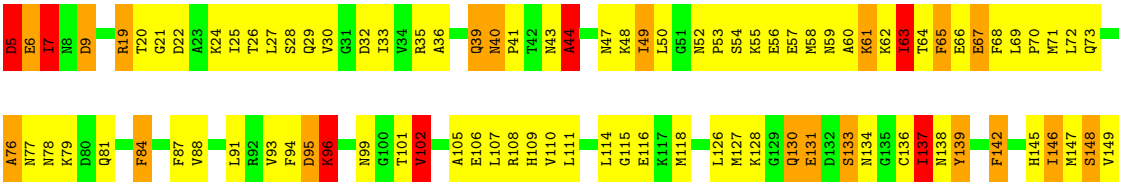
Chain 9-C:





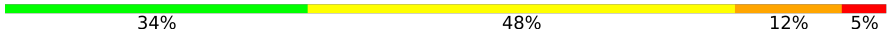
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

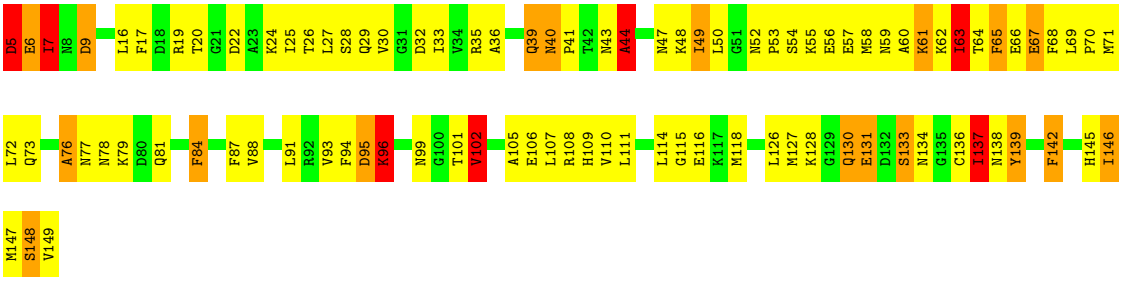
Chain 10-C:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

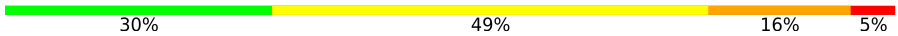
Chain 11-C:

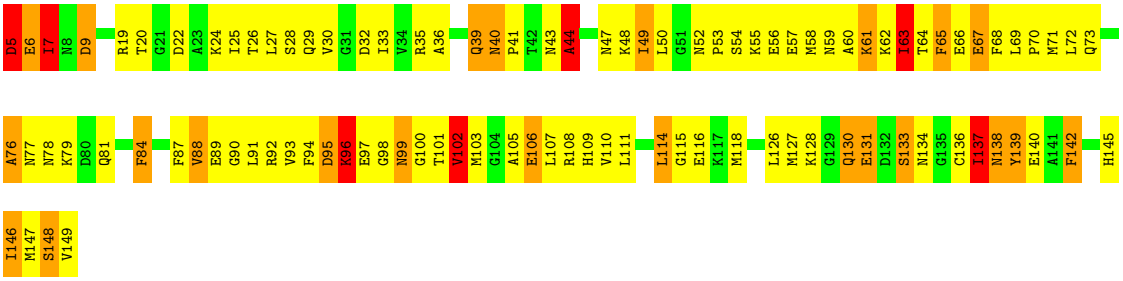




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

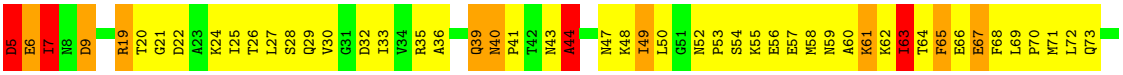
Chain 12-C:

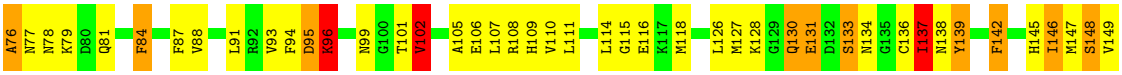




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 13-C:



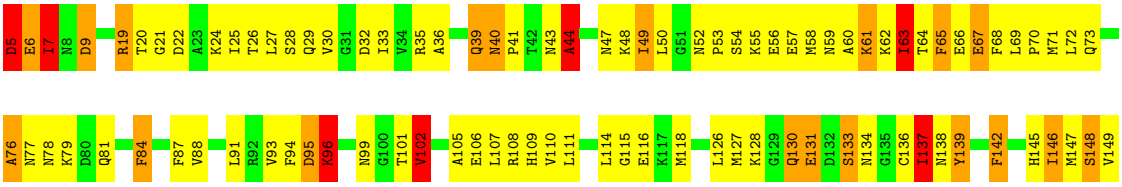


• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 14-C:

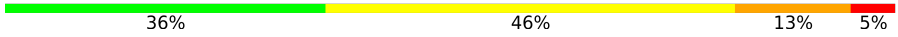
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

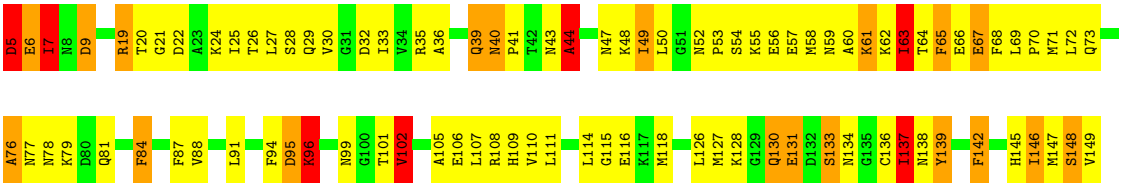
Chain 15-C:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

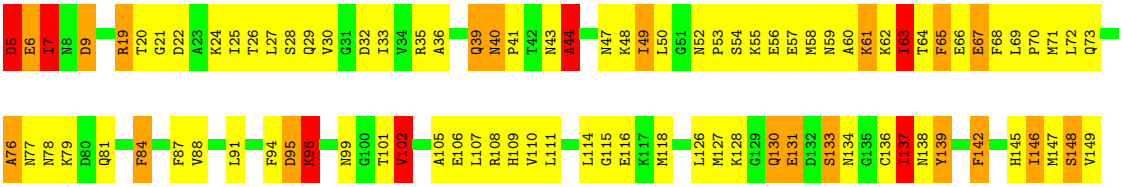
Chain 16-C:





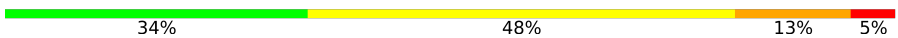
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

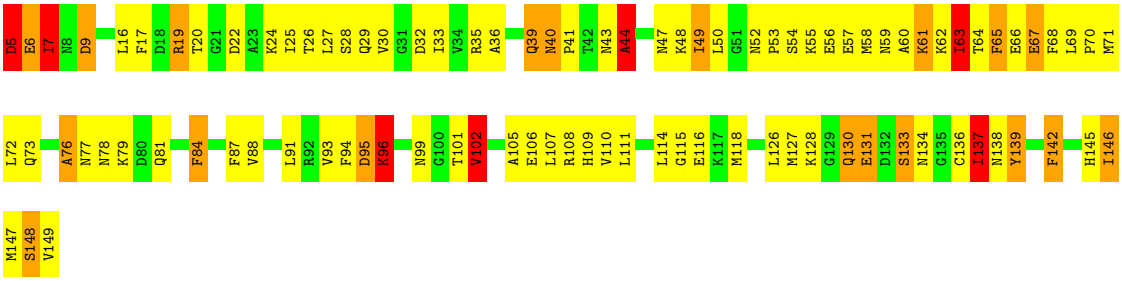
Chain 17-C:



• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

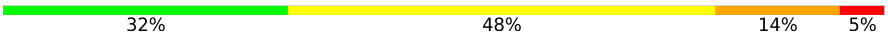
Chain 18-C:

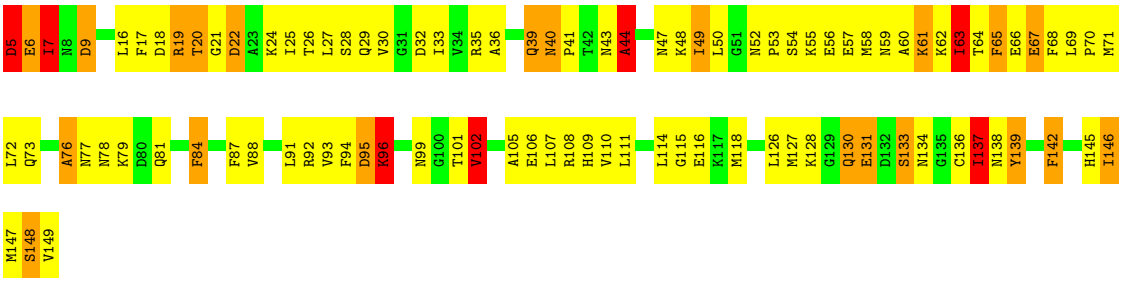




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

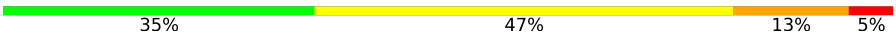
Chain 19-C:

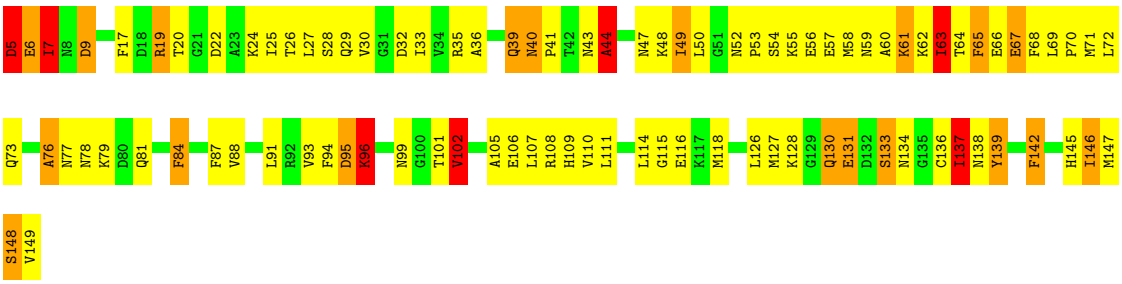




• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 20-C:



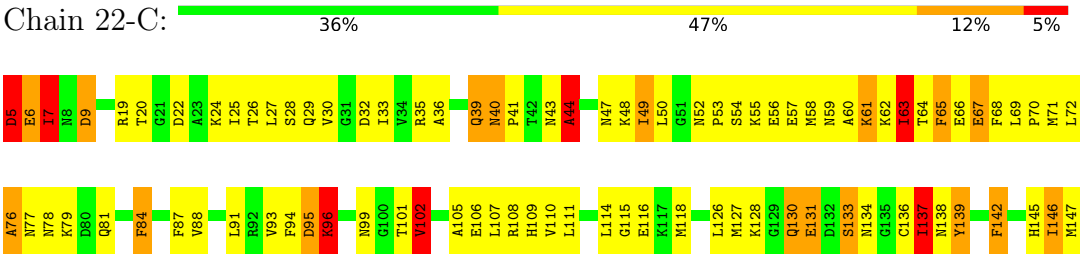


• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 21-C:

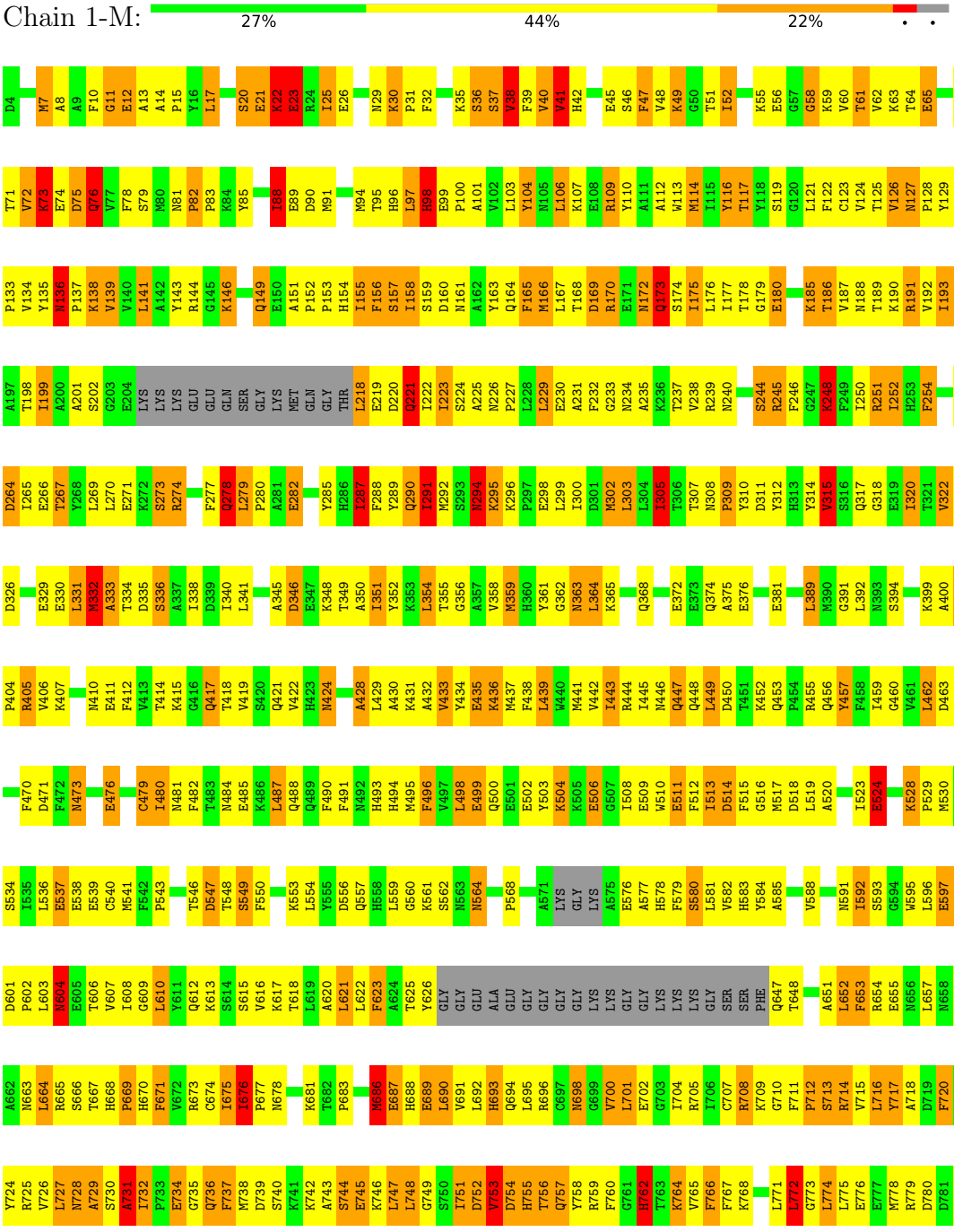
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 22-C:



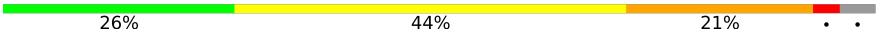
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

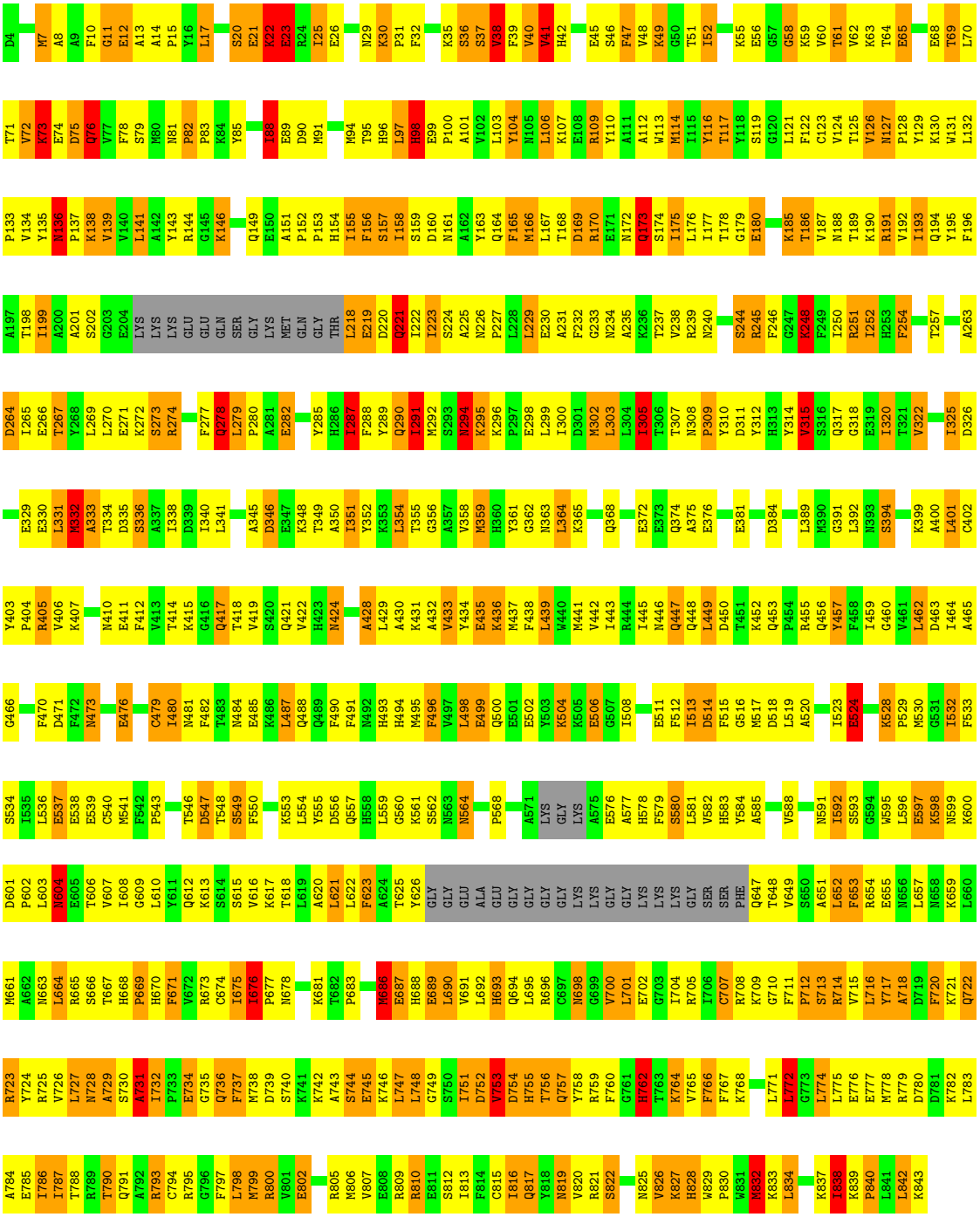
Chain 1-M:



• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

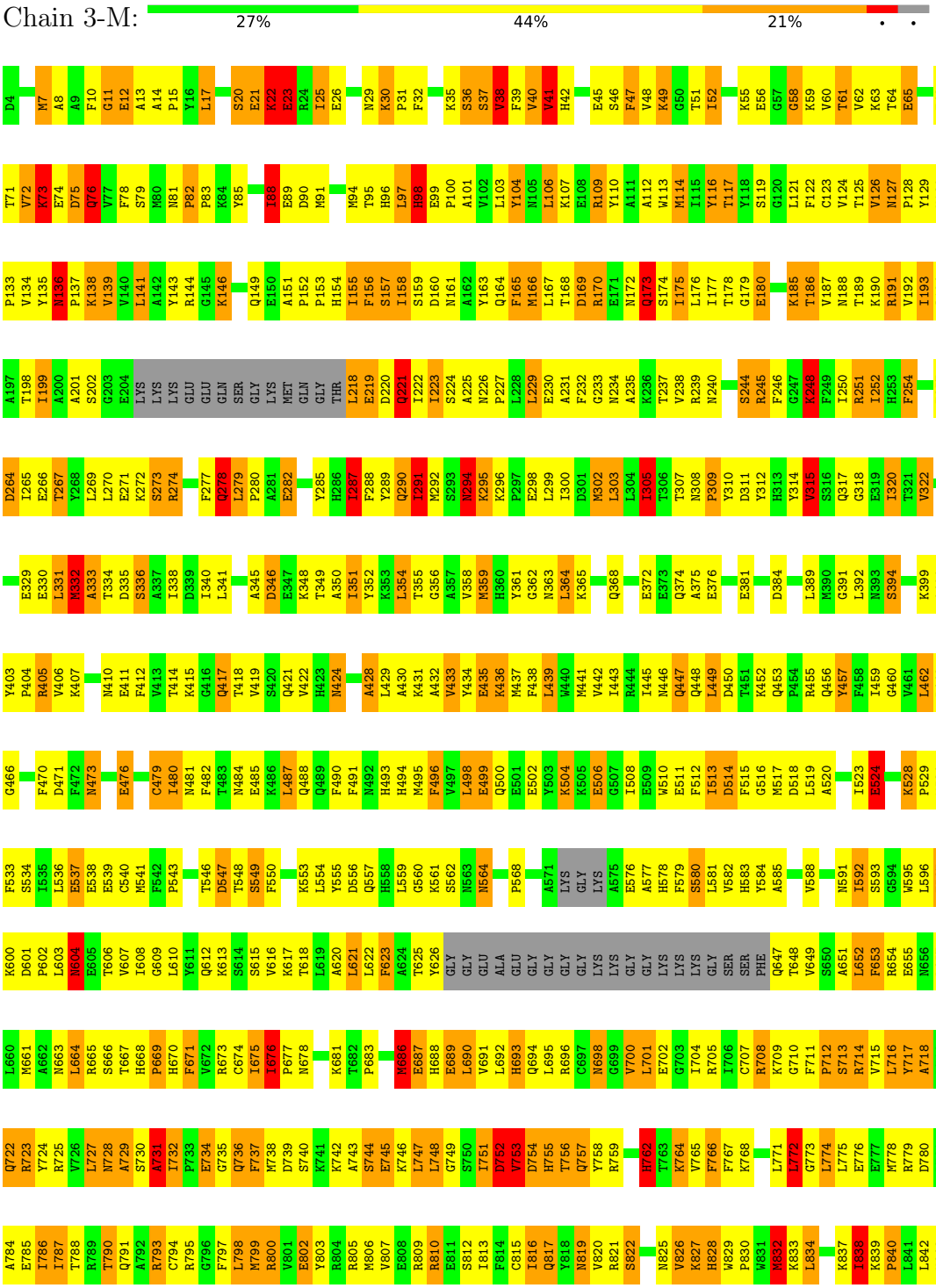
Chain 2-M:





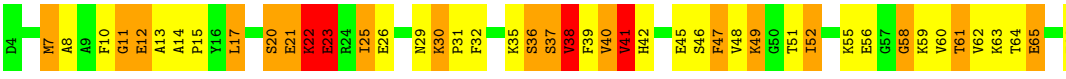
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

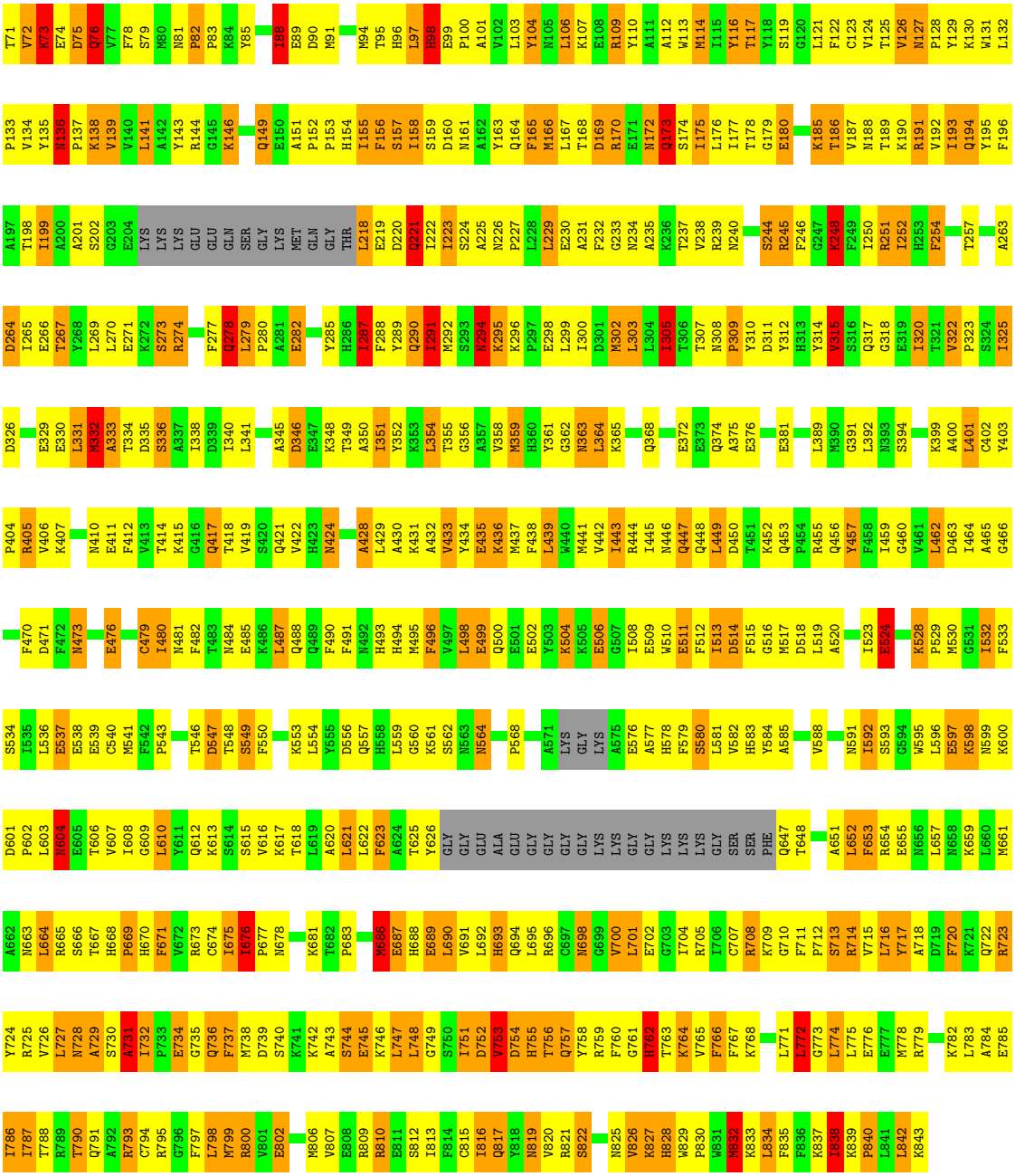
Chain 3-M:



• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

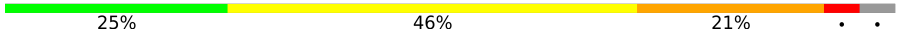
Chain 4-M:

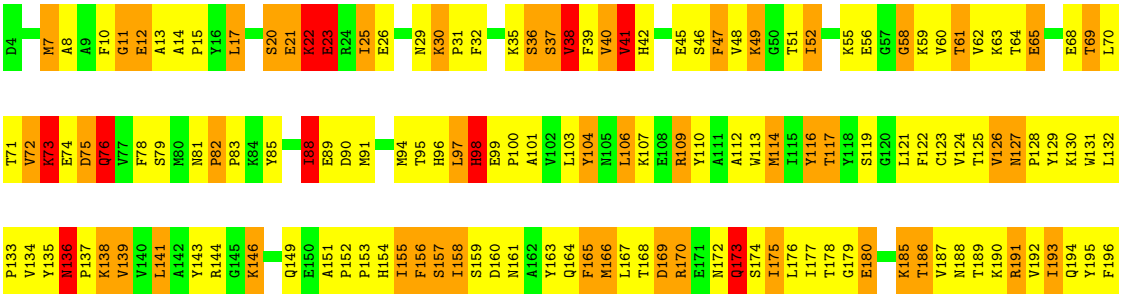


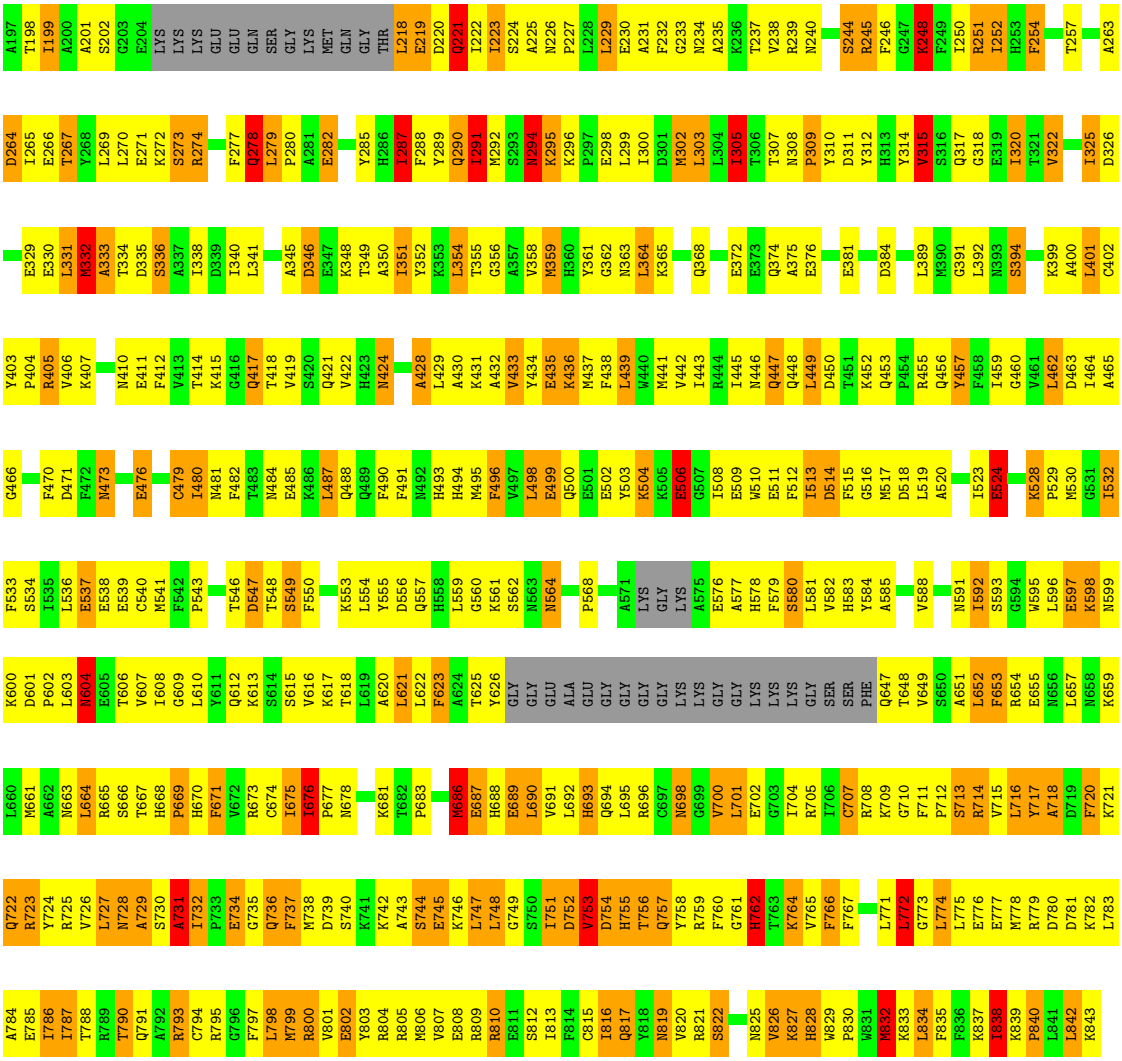


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 5-M:

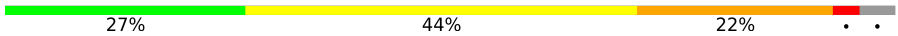


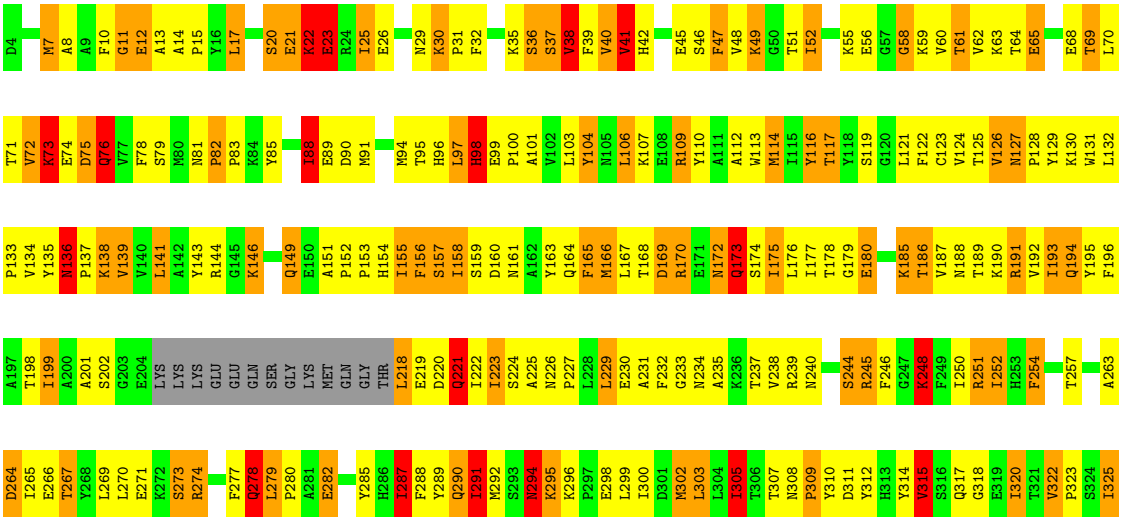


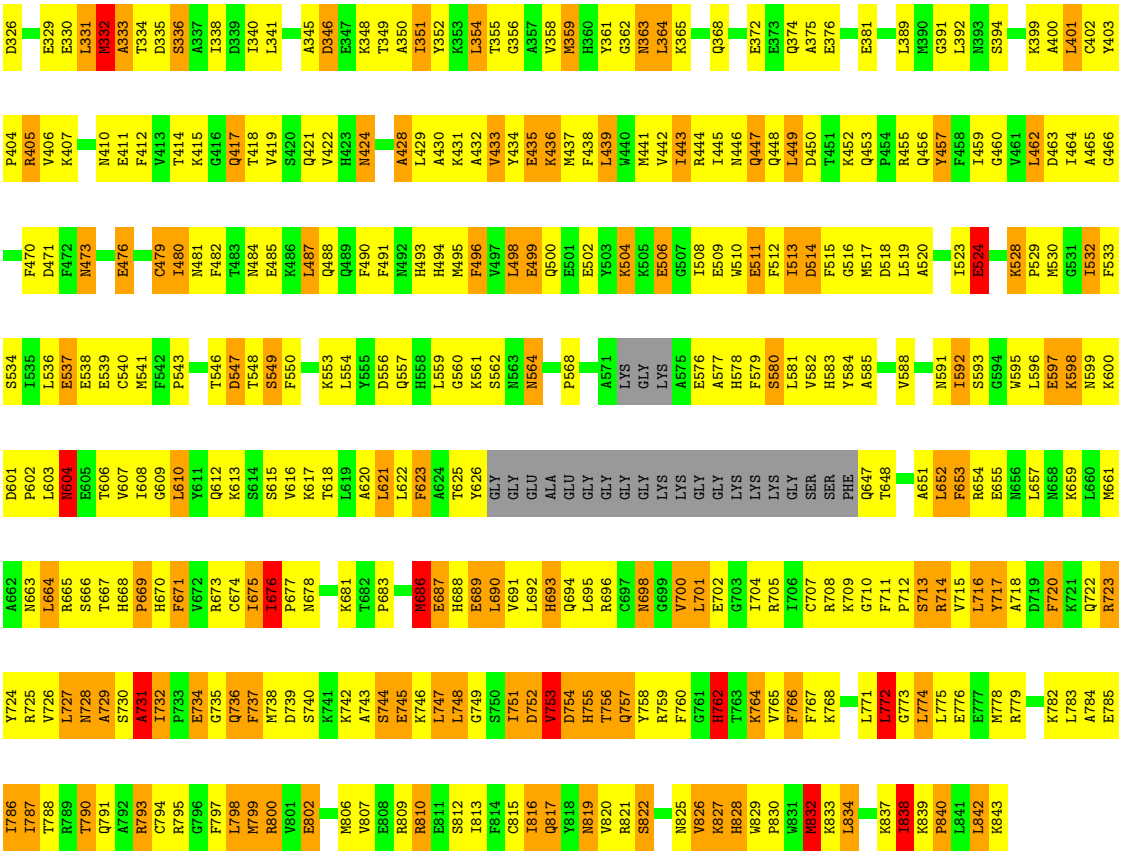


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 6-M:

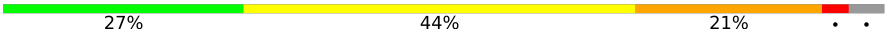


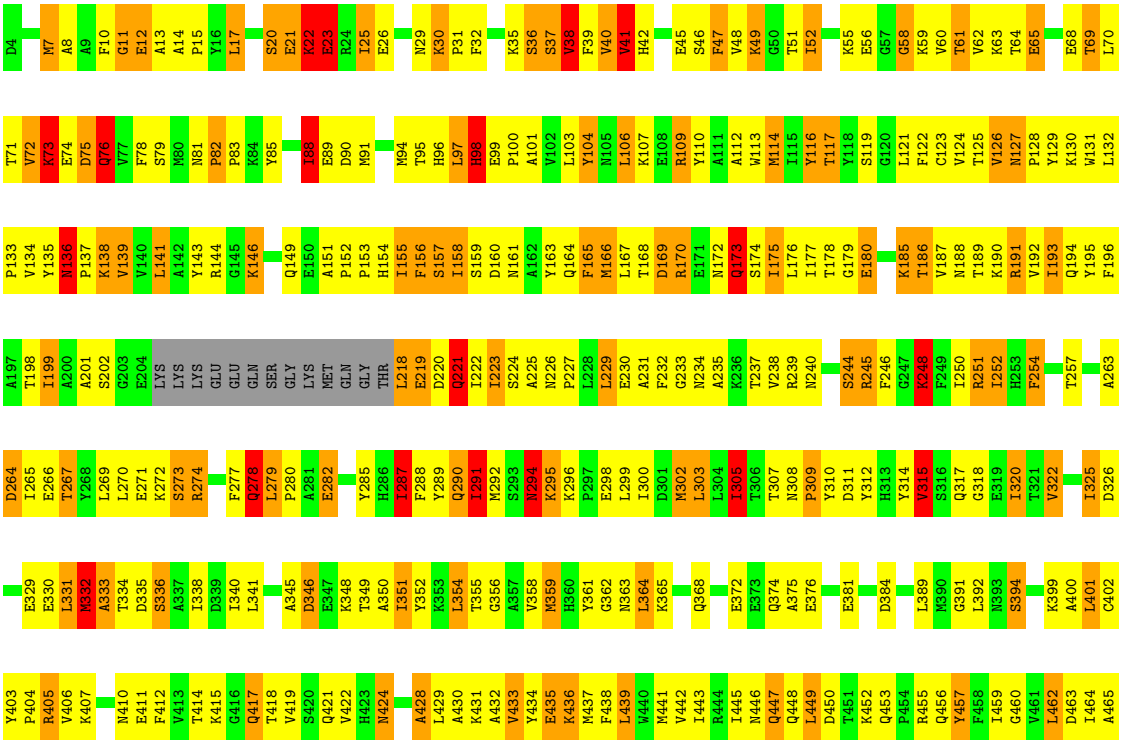


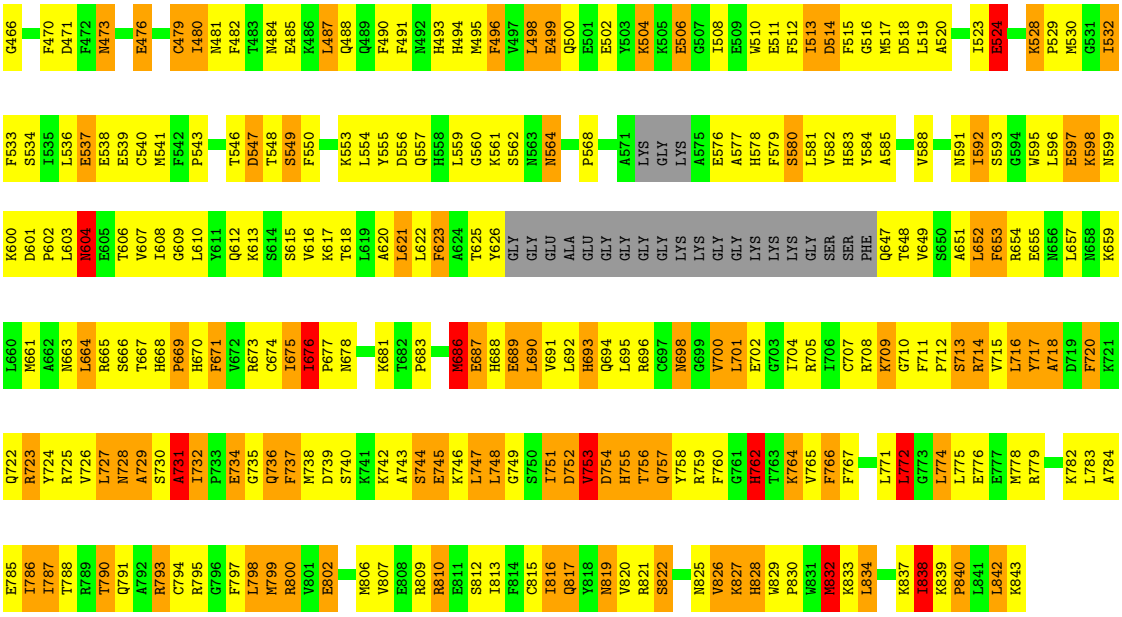


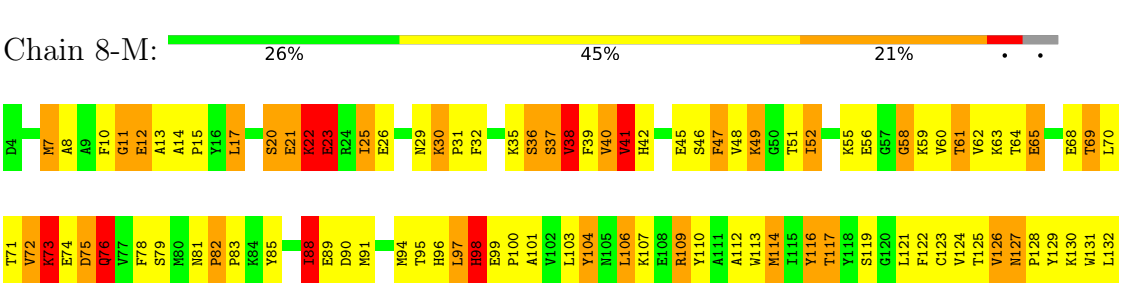
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 7-M:



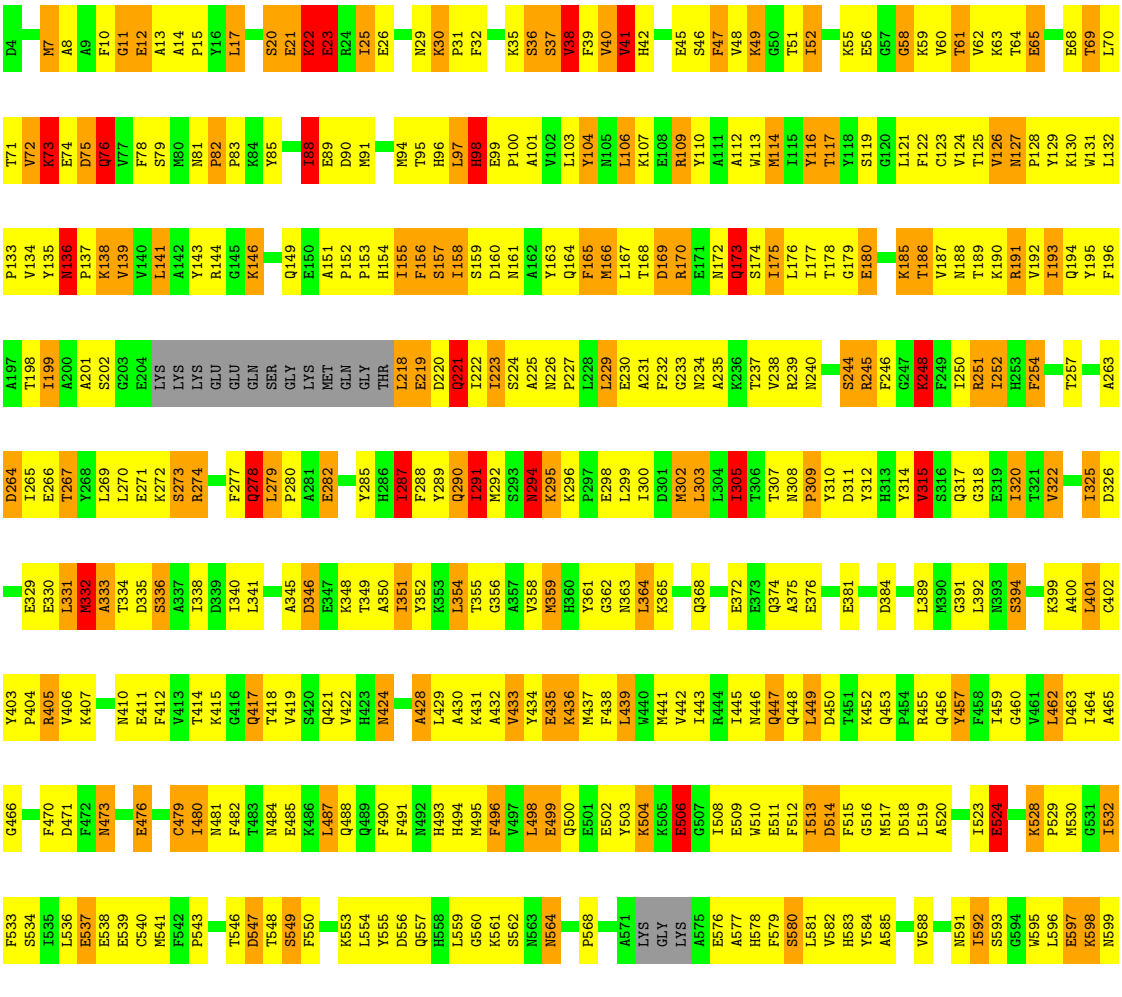


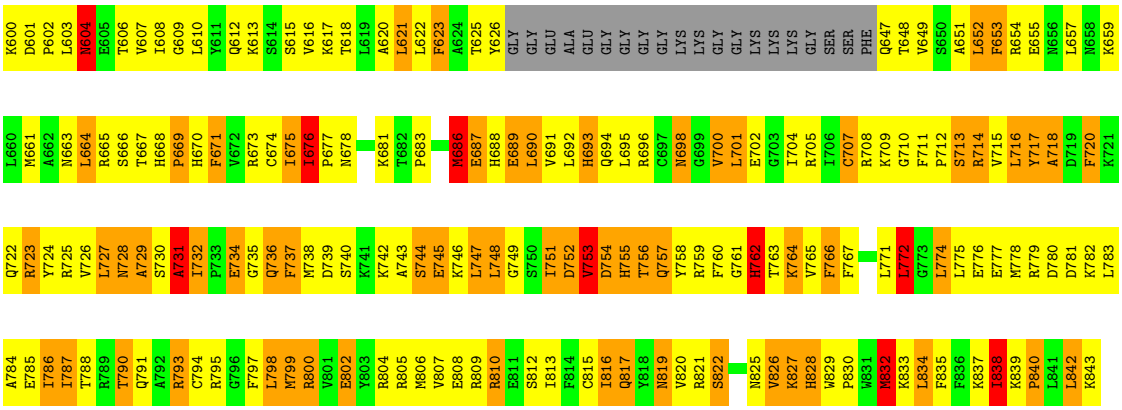




• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

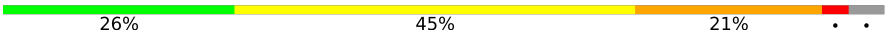
Chain 8-M:

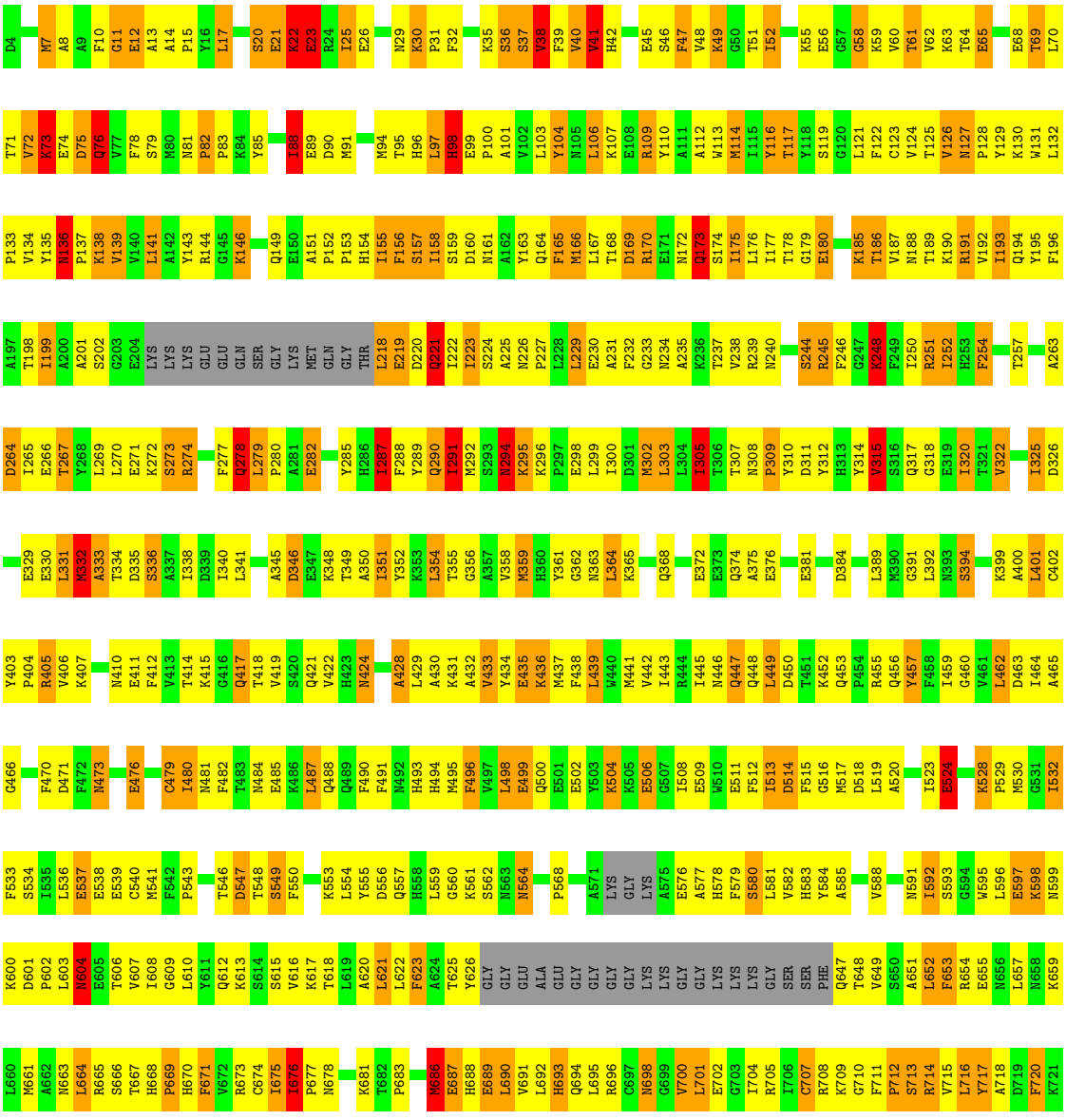


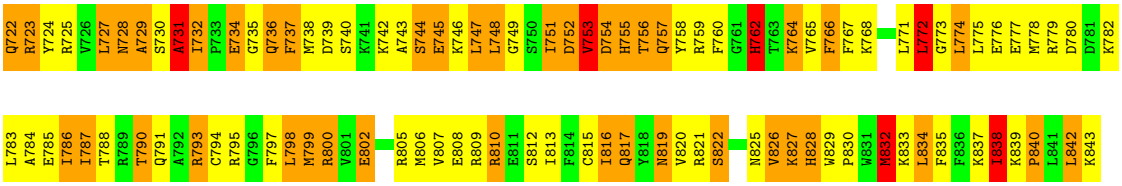


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 9-M:

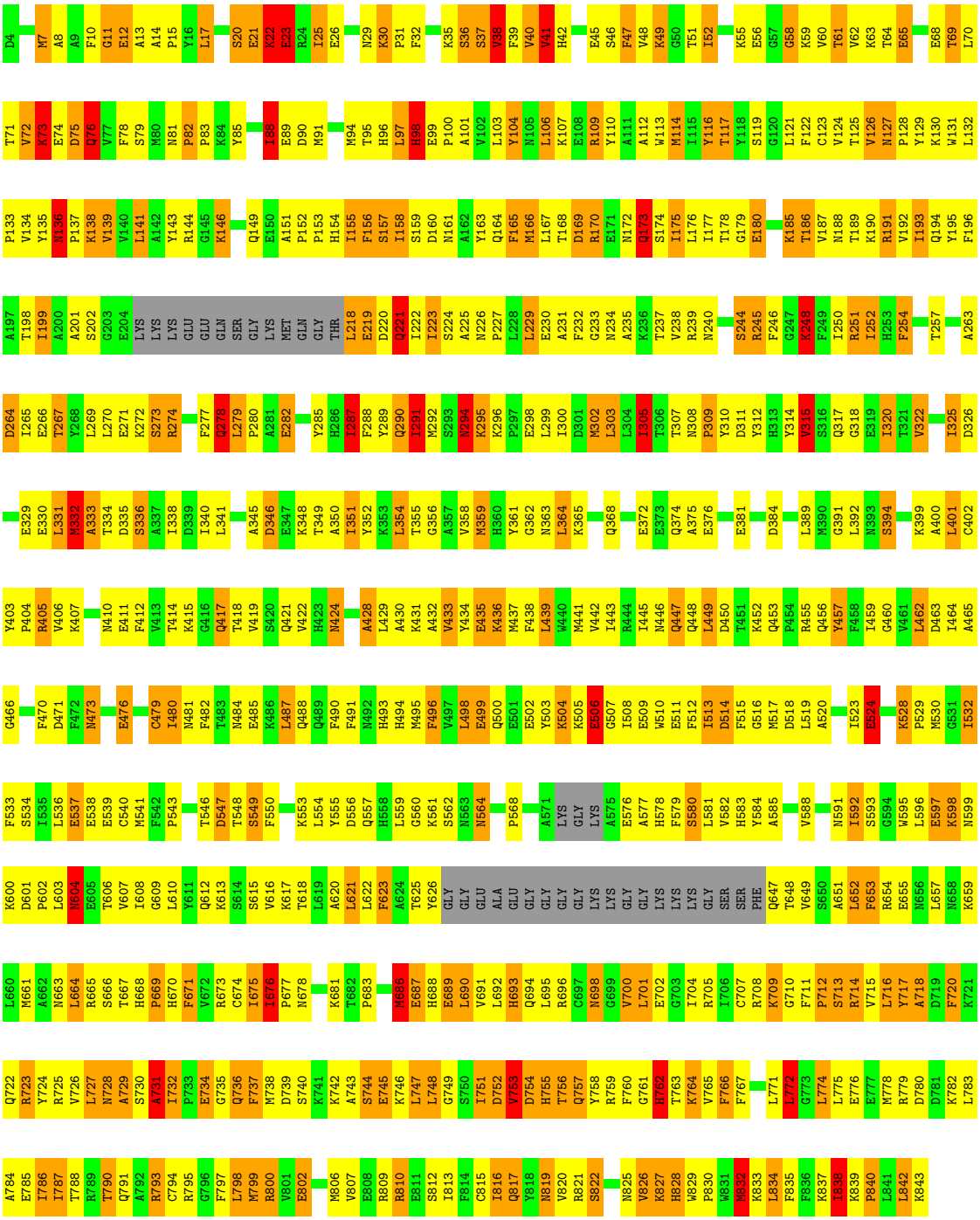






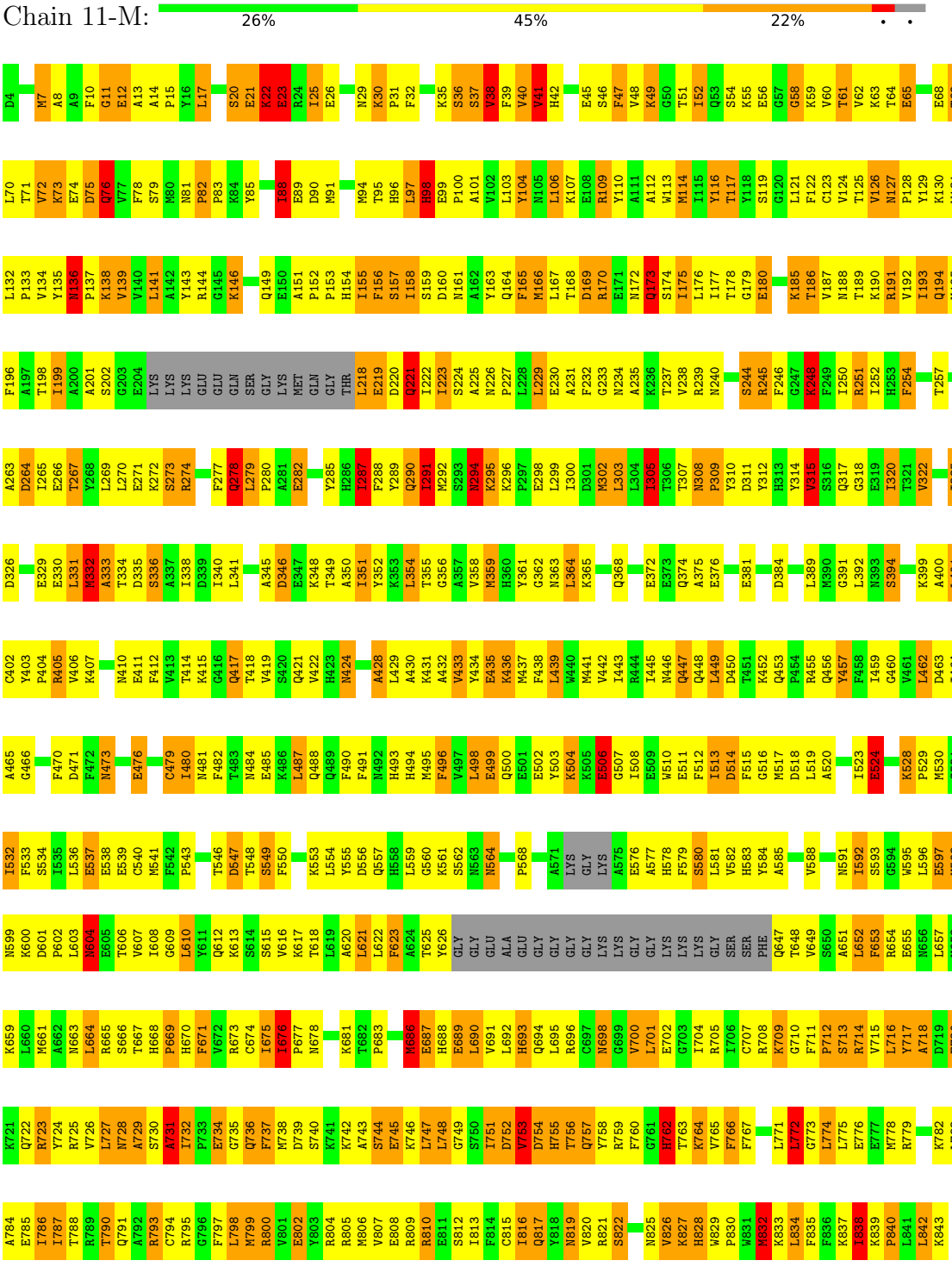
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 10-M: 26% 45% 21%



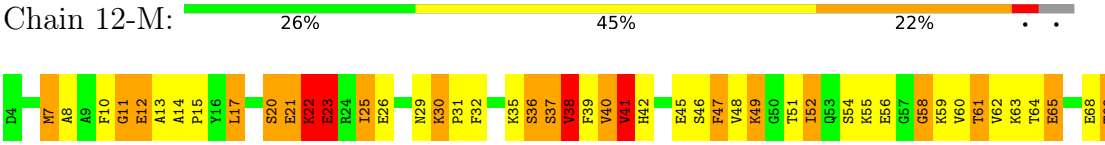
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

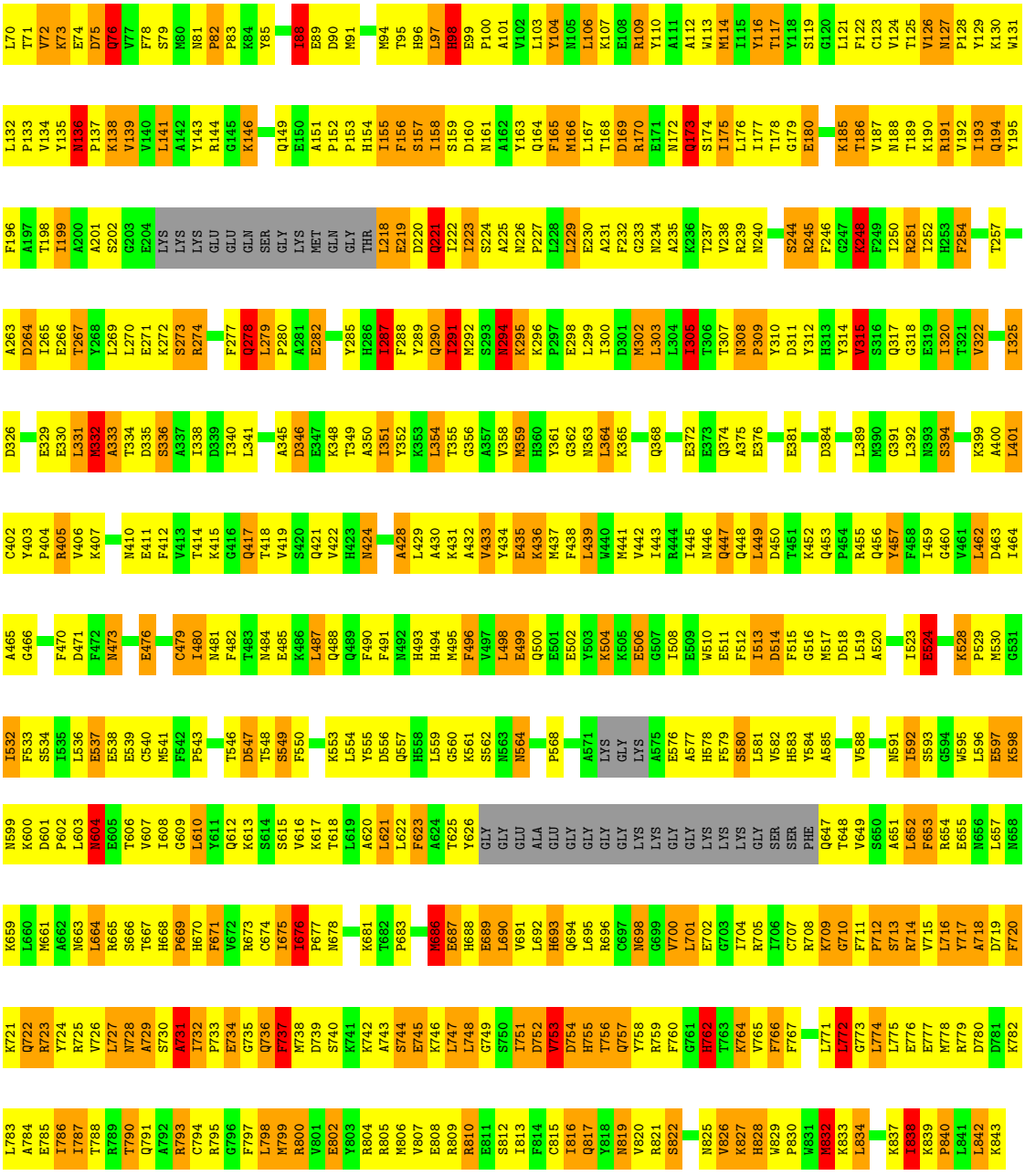
Chain 11-M:



• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

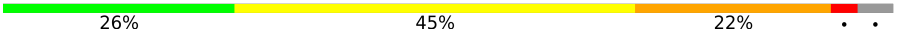
Chain 12-M:

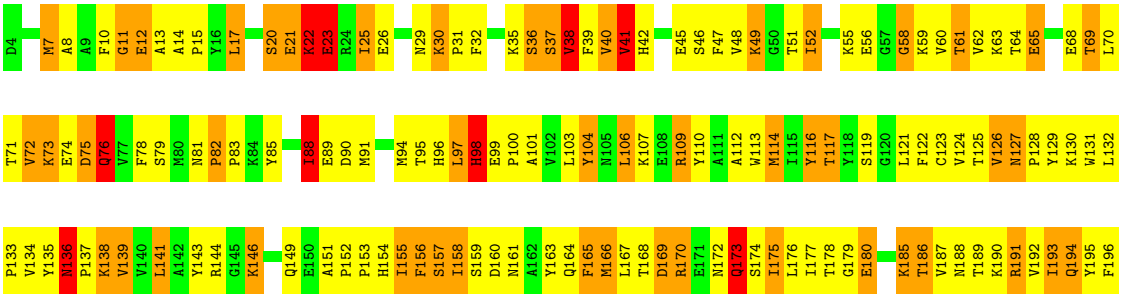


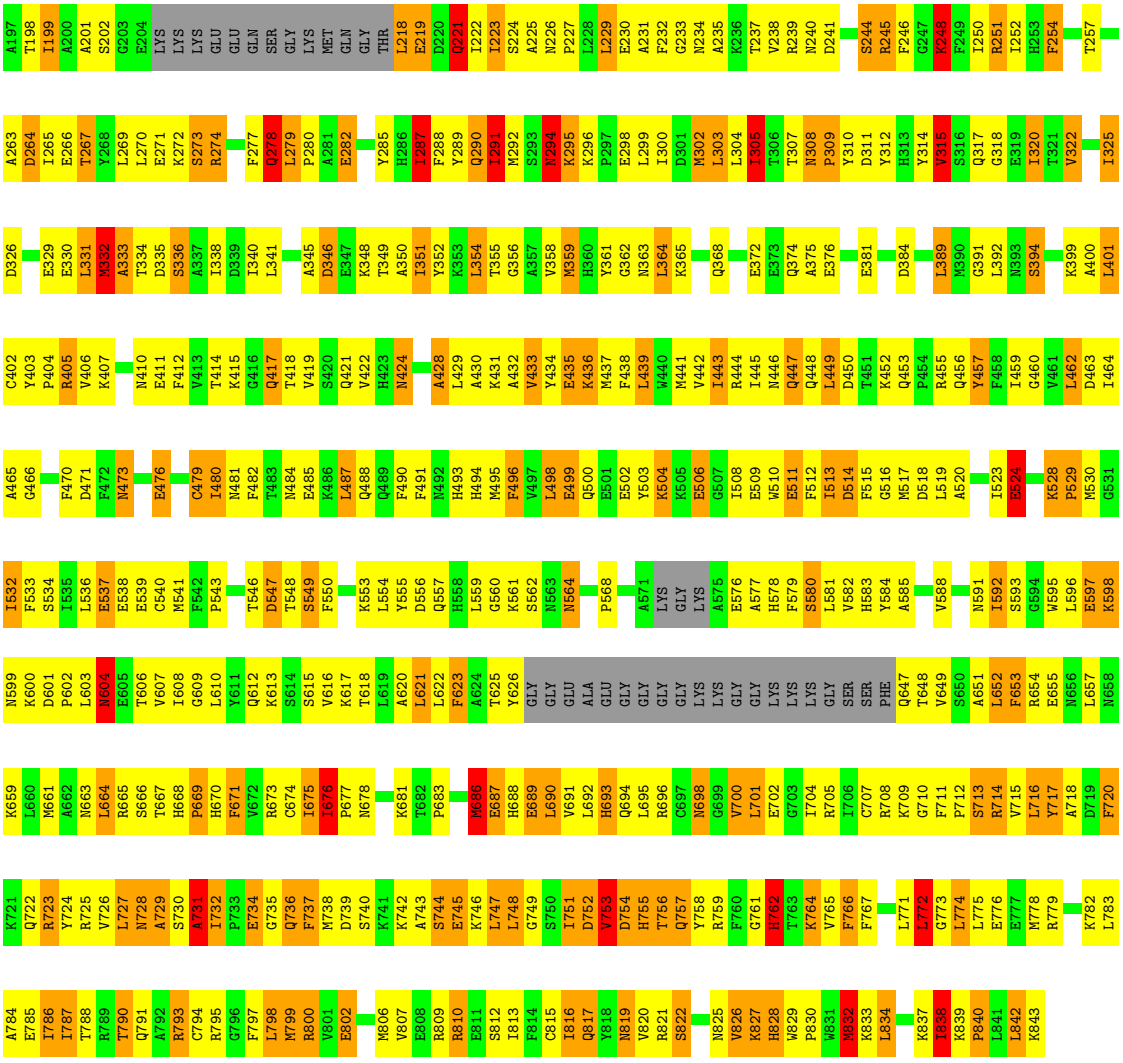


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 13-M:

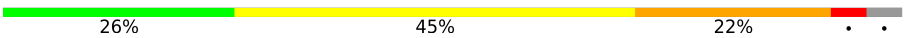


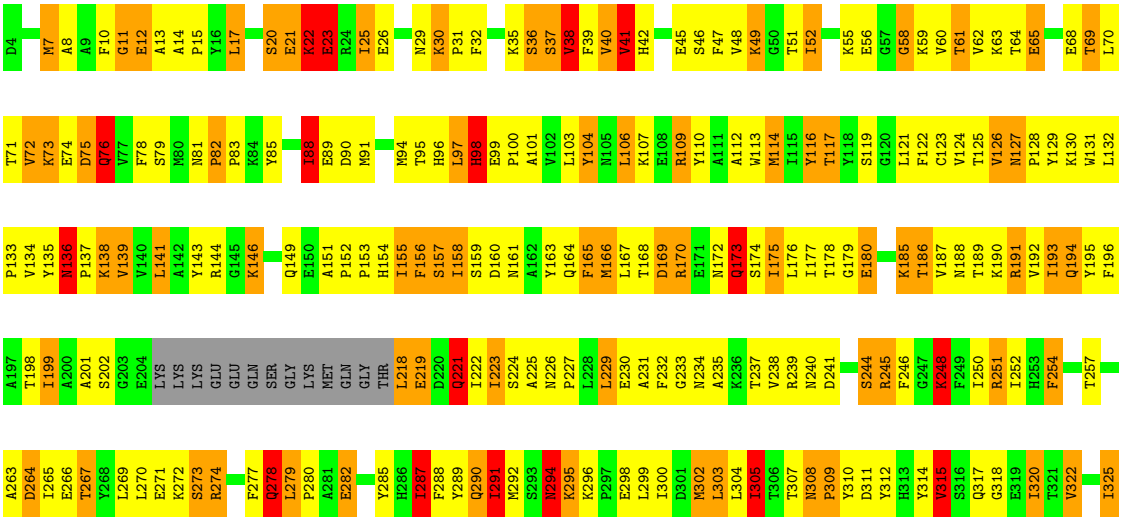


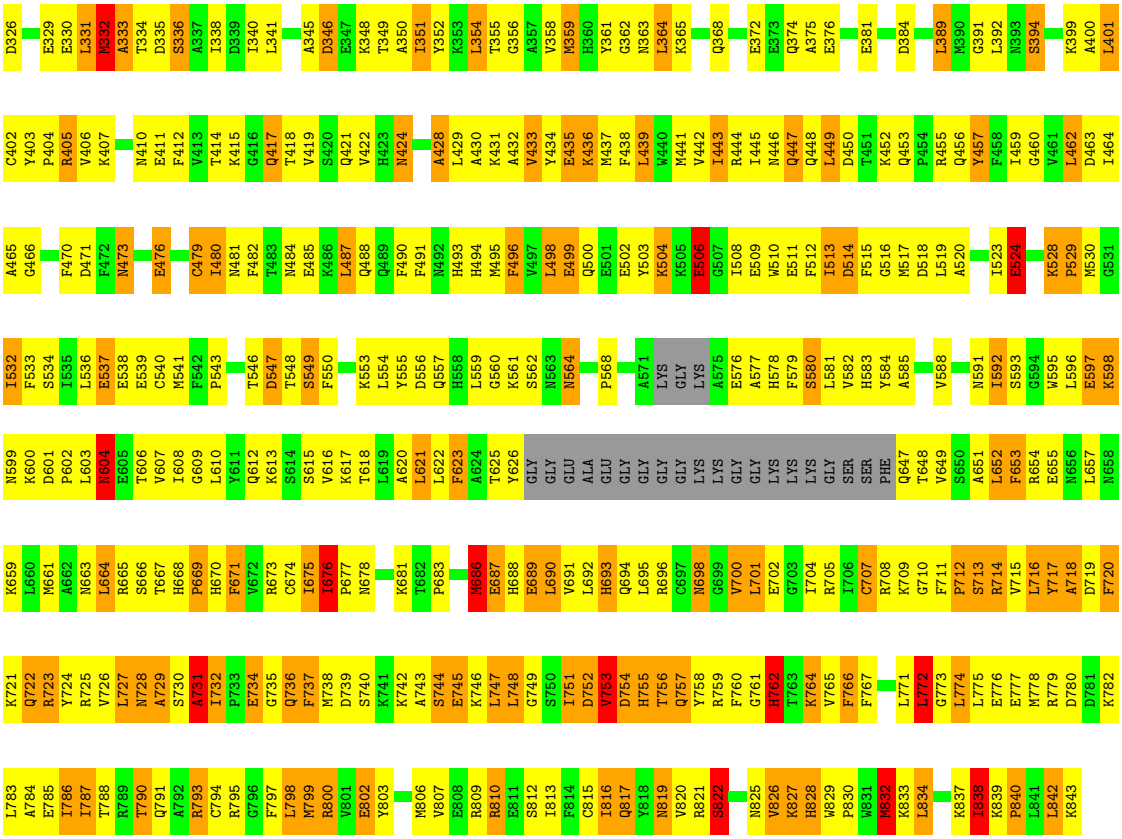


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 14-M:

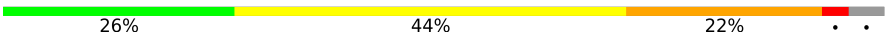


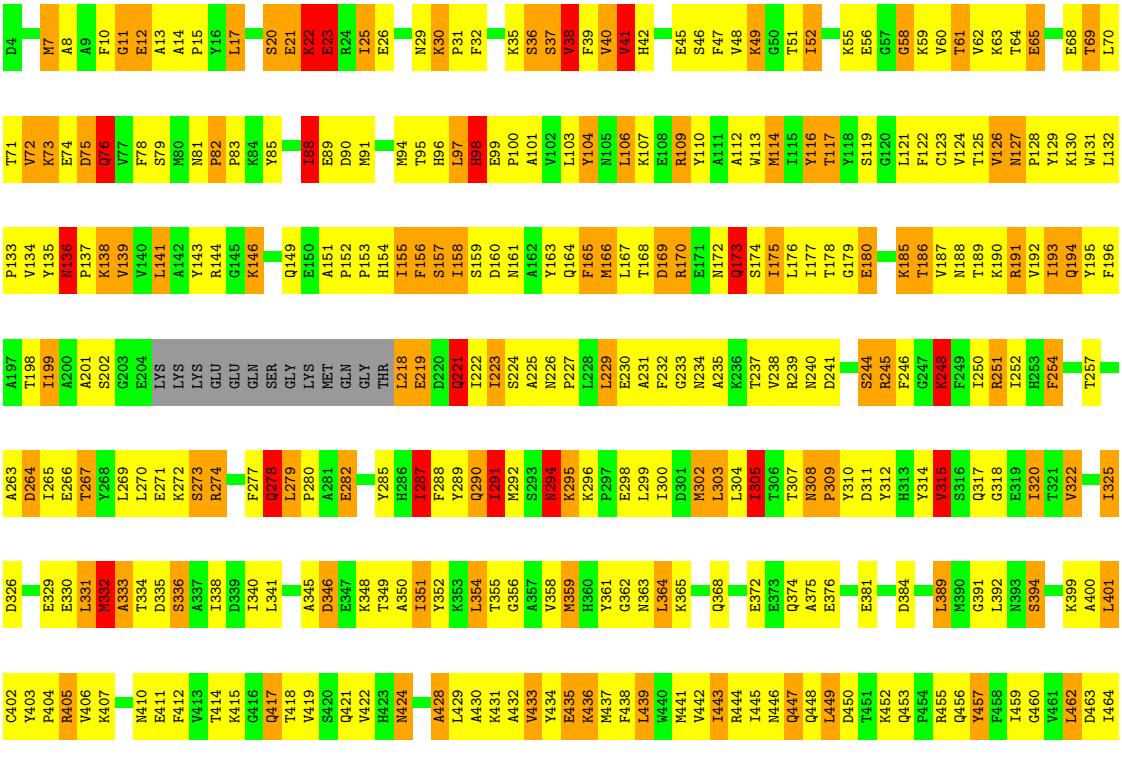


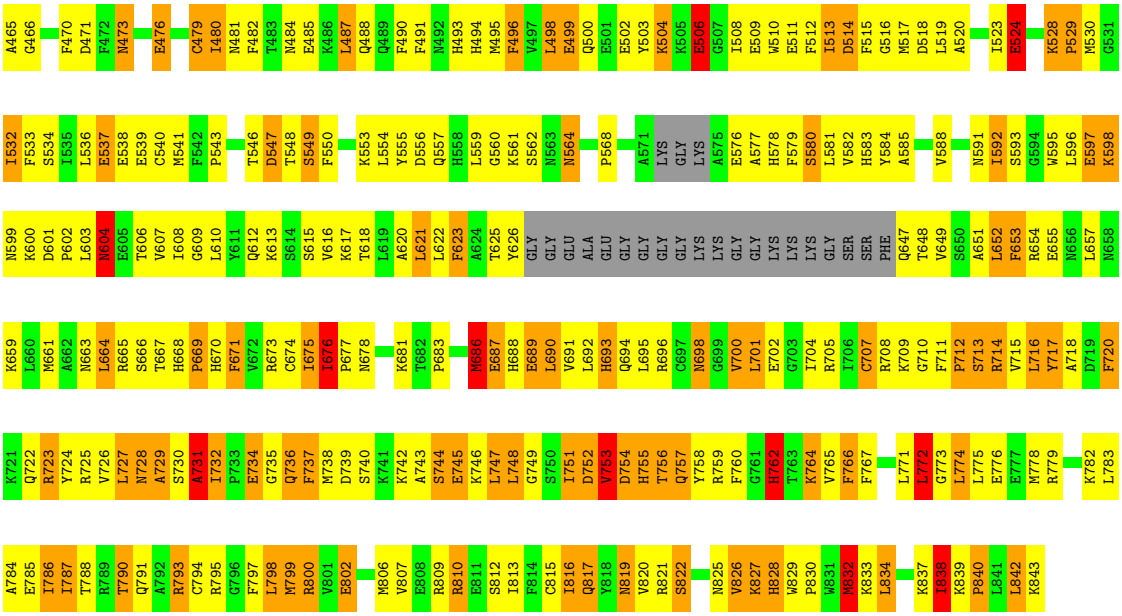


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 15-M:

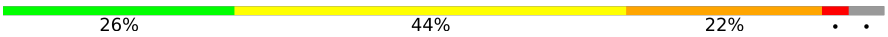


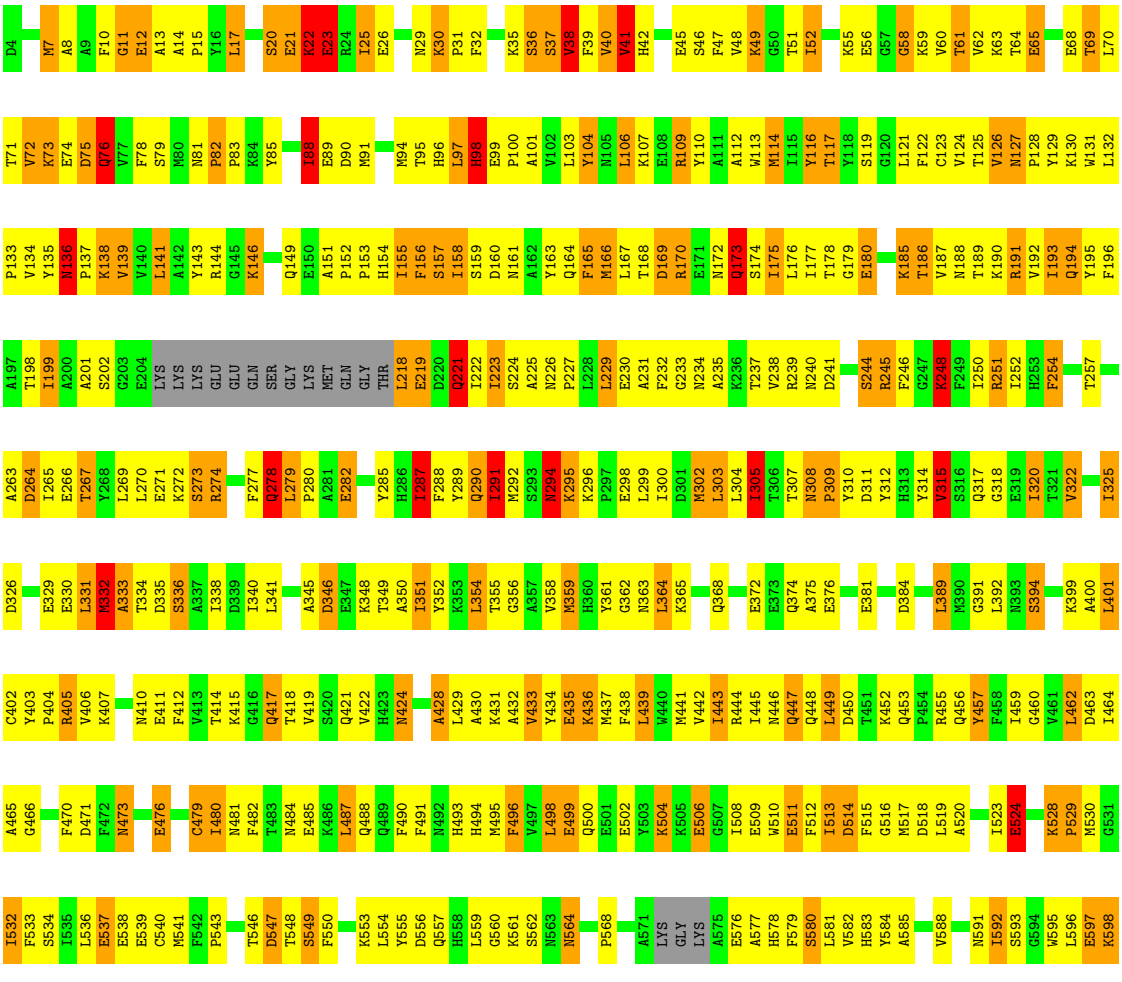


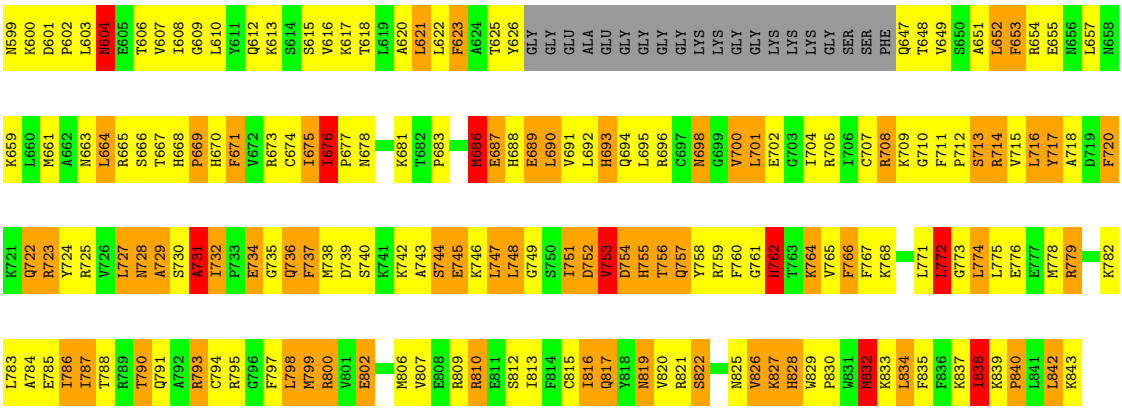


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 16-M:

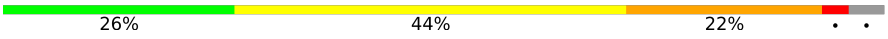


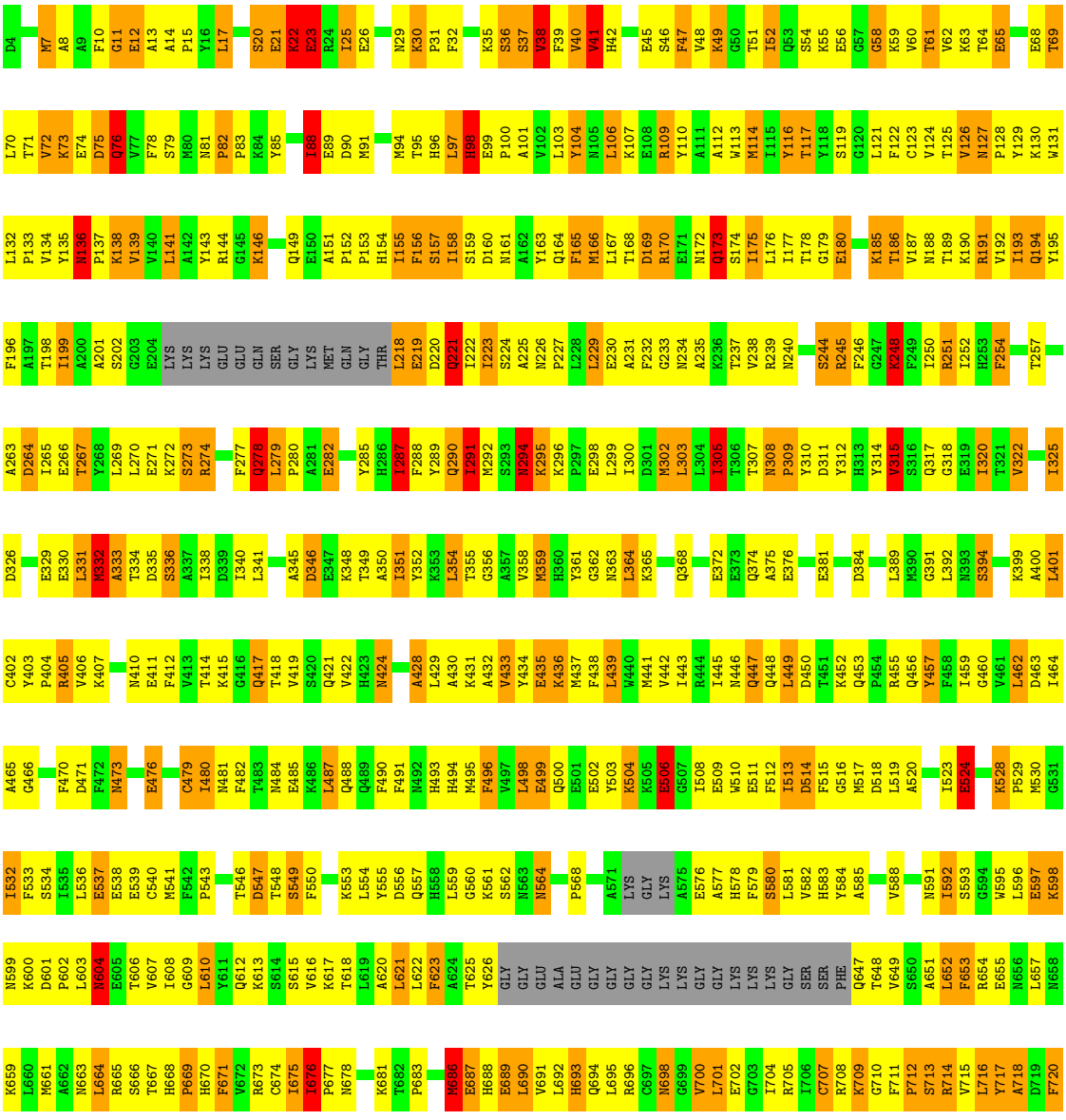


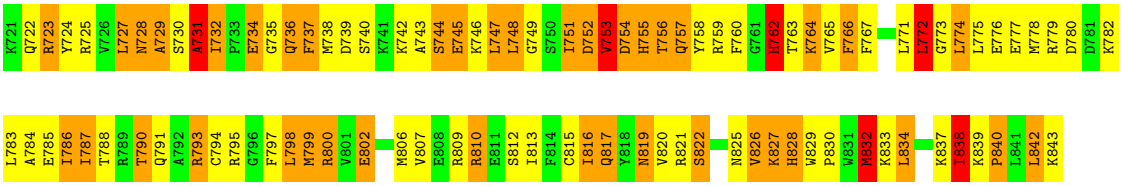


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 17-M:

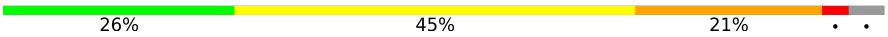


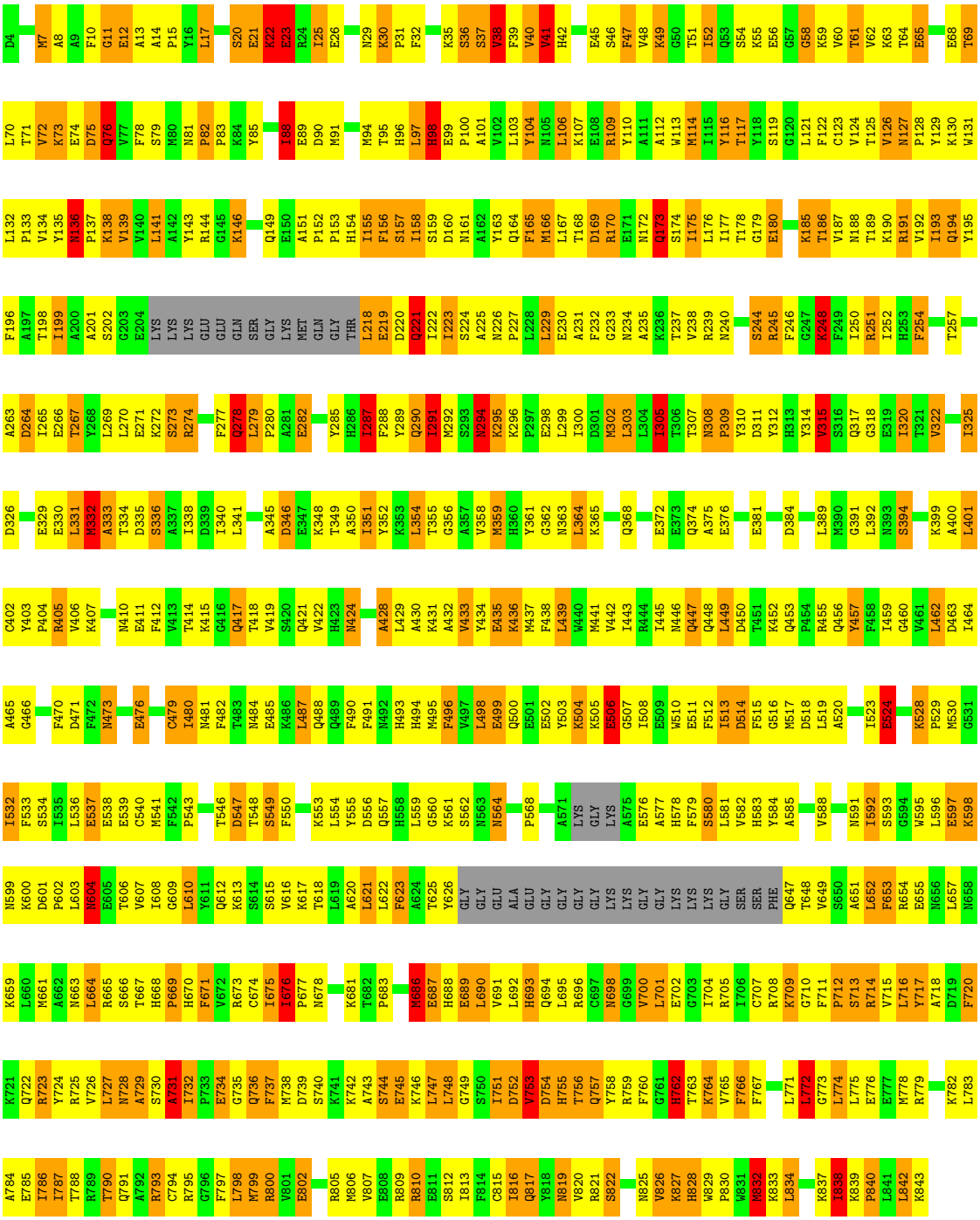




• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

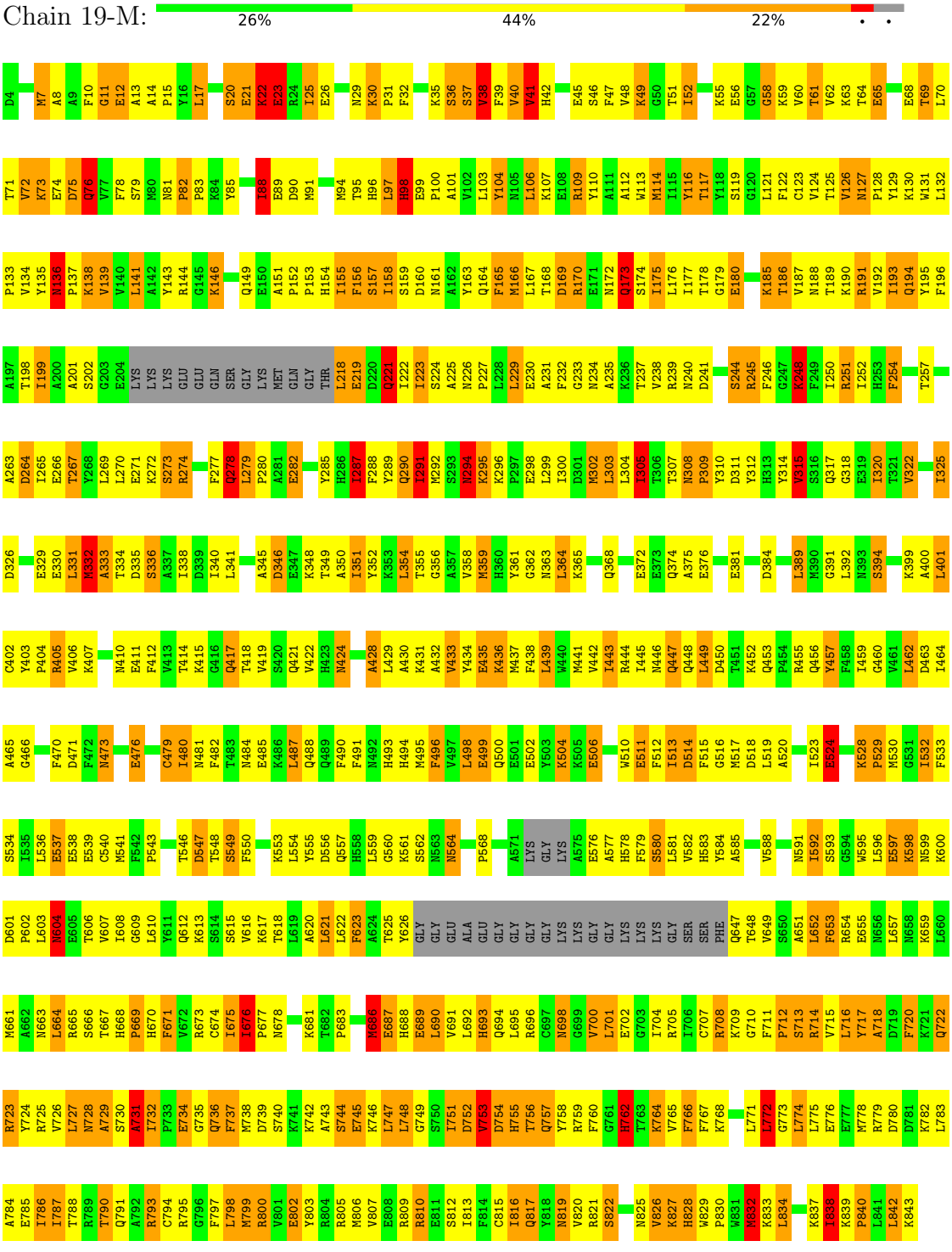
Chain 18-M:





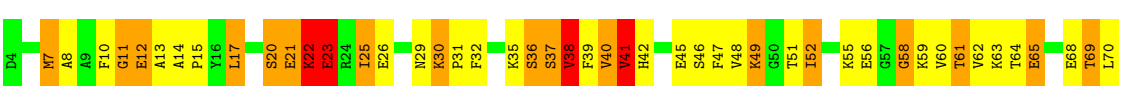
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

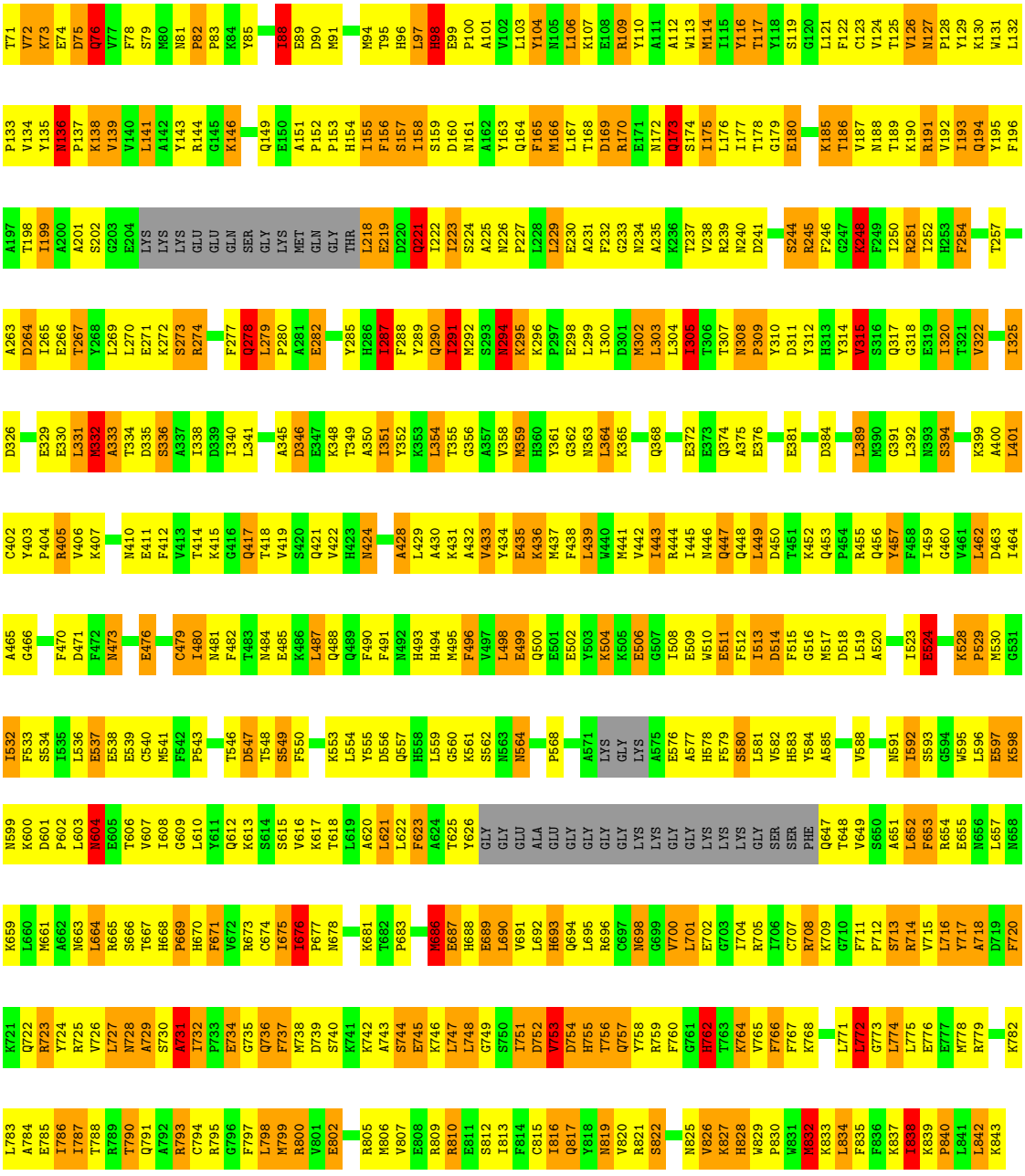
Chain 19-M:



• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

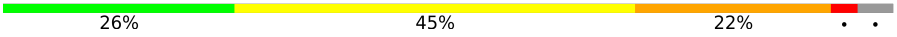
Chain 20-M:

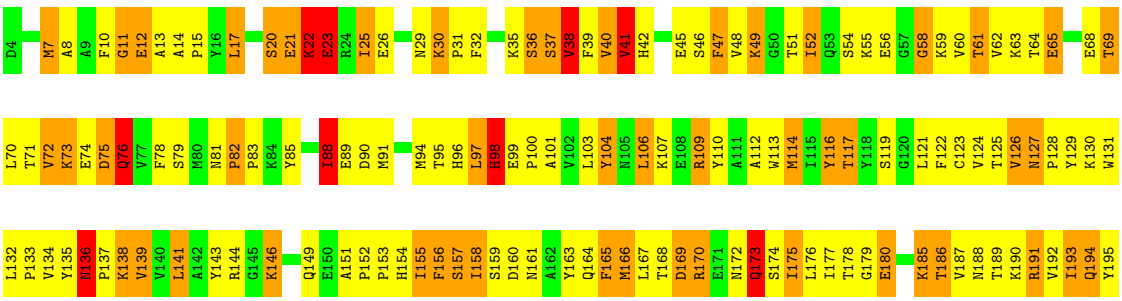


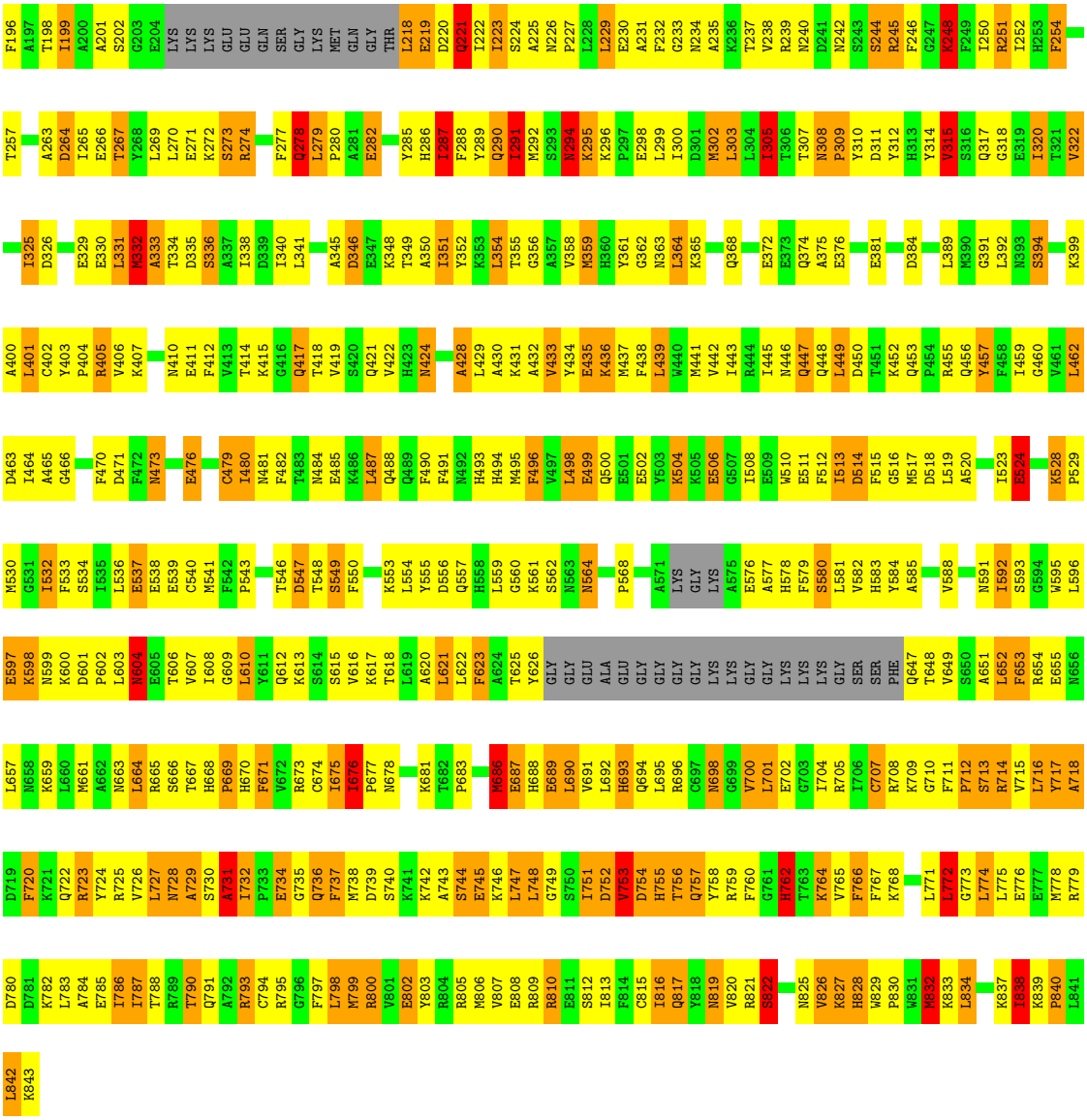


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 21-M:

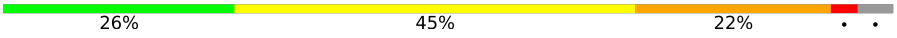


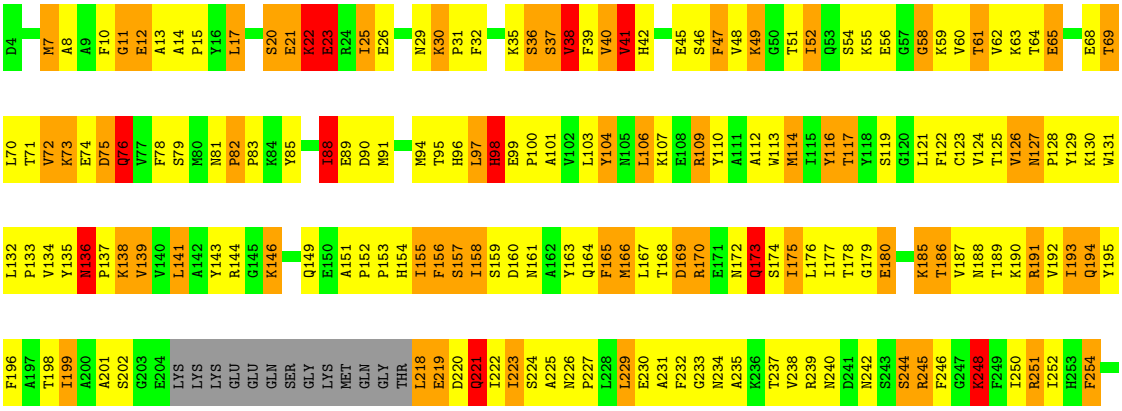


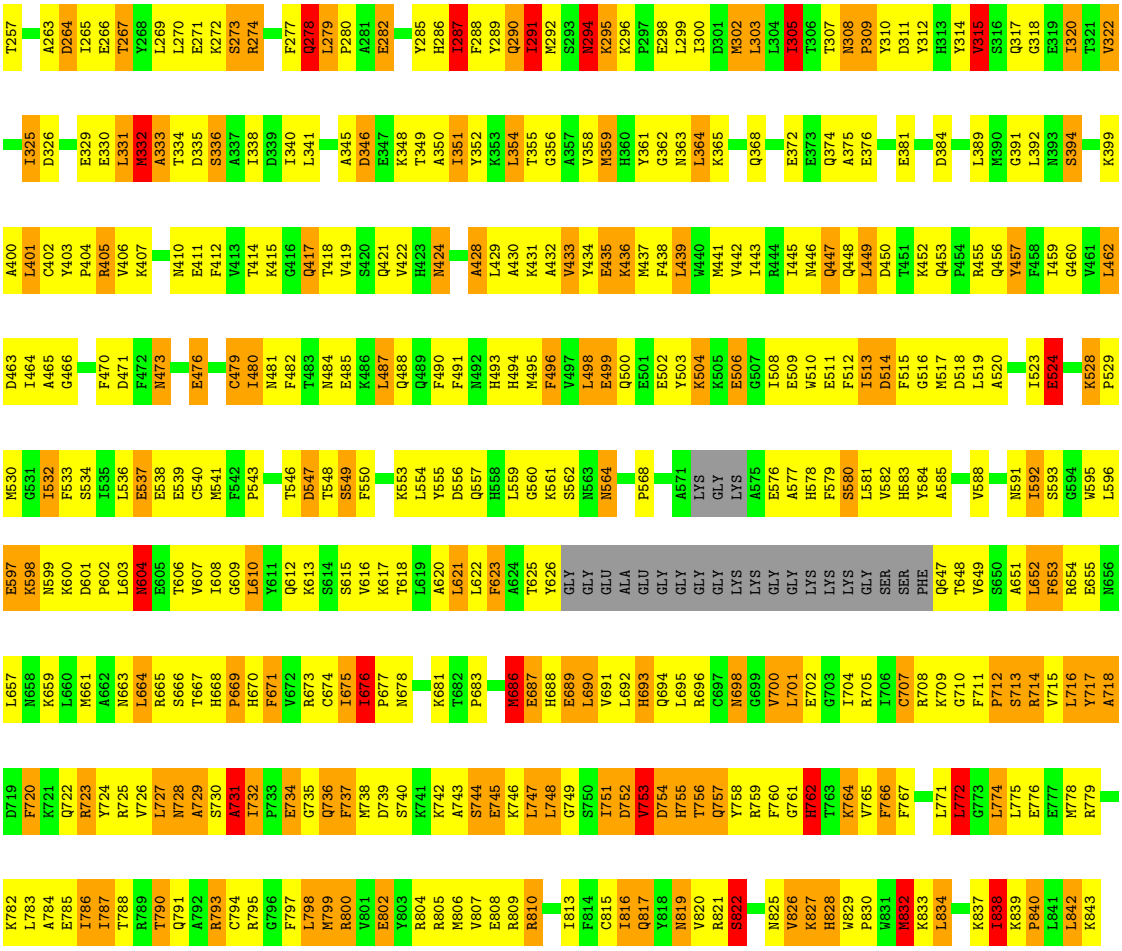


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 22-M:






T257 A263 D264 I265 E266 T267 Y268 L269 L270 E271 K272 S273 R274 F277 Q278 L279 P280 A281 E282 Y285 H286 I287 F288 Y289 Q290 I291 M292 S293 N294 K295 K296 P297 E298 L299 I300 D301 M302 L303 L304 I305 T306 T307 N308 P309 Y310 D311 Y312 H313 Y314 V315 S316 Q317 G318 E319 I320 T321 V322
I325 D326 E329 E330 L331 M332 A333 T334 D335 S336 A337 I338 D339 I340 L341 A345 D346 E347 K348 T349 A350 I351 Y352 K353 L354 T355 G356 A357 V358 M359 H360 Y361 G362 N363 L364 K365 Q368 E372 E373 Q374 A375 E376 E381 D384 L389 M390 G391 L392 N393 S394 K399
A400 L401 C402 Y403 P404 R405 V406 K407 N410 E411 F412 V413 T414 K415 G416 Q417 T418 V419 S420 Q421 V422 H423 N424 A428 L429 A430 K431 A432 V433 Y434 E435 K436 M437 F438 L439 W440 M441 V442 I443 R444 I445 N446 Q447 Q448 L449 D450 T451 K452 Q453 P454 R455 Q456 Y457 F458 I459 G460 V461 L462
D463 I464 A465 G466 F470 D471 F472 N473 E476 C479 I480 N481 F482 T483 N484 E485 K486 L487 Q488 Q489 F490 F491 N492 H493 H494 M495 F496 V497 L498 E499 Q500 E501 E502 Y503 K504 K505 E506 G507 I508 E509 W510 E511 F512 I513 D514 F515 G516 M517 D518 L519 A520 I523 E524 K528 P529
M530 G531 I532 F533 S534 I535 L536 E537 E538 E539 C540 M541 F542 P543 T546 D547 T548 S549 F550 K553 L554 Y555 D556 Q557 H558 L559 G560 K561 S562 N563 N564 P568 A571 LYS GLY LYS A575 E576 A577 H578 F579 S580 L581 V582 H583 Y584 A585 V588 N591 I592 S593 G594 W595 L596
E597 K598 N599 K600 D601 P602 L603 M604 E605 T606 V607 I608 G609 L610 Y611 Q612 K613 S614 S615 V616 K617 T618 L619 A620 L621 L622 F623 A624 T625 Y626 GLY GLY GLU ALA GLU GLY GLY GLY GLY LYS LYS GLY GLY GLY LYS LYS LYS SER SER PHE Q647 T648 V649 S650 A651 L652 F653 R654 E655 N656
L657 N658 K659 L660 M661 A662 N663 L664 R665 S666 T667 H668 P669 H670 F671 V672 R673 C674 I675 I676 P677 N678 K681 T682 P683 M686 E687 H688 E689 L690 V691 L692 H693 Q694 L695 R696 C697 N698 G699 V700 L701 E702 G703 I704 R705 I706 C707 R708 K709 G710 F711 P712 S713 R714 V715 L716 Y717 A718
D719 F720 K721 Q722 R723 Y724 R725 V726 L727 N728 A729 S730 A731 I732 F733 E734 G735 Q736 F737 M738 D739 S740 K741 K742 A743 S744 E745 K746 L747 L748 G749 S750 I751 D752 V753 D754 H755 T756 Q757 Y758 R759 F760 G761 H762 T763 K764 V765 F766 F767 L771 L772 G773 L774 L775 E776 E777 M778 R779
K782 L783 A784 E785 I786 I787 T788 R789 T790 Q791 A792 R793 C794 R795 G796 F797 L798 M799 R800 V801 E802 Y803 R804 R805 M806 V807 E808 R809 R810 I813 F814 C815 I816 Q817 Y818 N819 V820 R821 S822 N825 V826 K827 H828 W829 P830 W831 R832 K833 L834 K837 I838 K839 P840 L841 L842 K843

4 Experimental information (i)

Property	Value	Source
EM reconstruction method	HELICAL	Depositor
Imposed symmetry	HELICAL, twist=Not provided°, rise=Not provided Å, axial sym=Not provided	Depositor
Number of segments used	Not provided	
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI/PHILIPS CM300FEG/T	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	Not provided	
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	TVIPS TEMCAM-F224 (2k x 2k)	Depositor

5 Model quality (i)

5.1 Standard geometry (i)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	1-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	2-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	3-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	4-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	5-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	6-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	7-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	8-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	9-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	10-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	11-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	12-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	13-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	14-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	15-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	16-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	17-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	18-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	19-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	20-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	21-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
1	22-B	0.79	1/1199 (0.1%)	2.27	58/1617 (3.6%)
2	1-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	2-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	3-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	4-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	5-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	6-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	7-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	8-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	9-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	10-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	11-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	12-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
2	13-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	14-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	15-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	16-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	17-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	18-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	19-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	20-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	21-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
2	22-C	0.83	3/1140 (0.3%)	2.15	61/1530 (4.0%)
3	1-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	2-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	3-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	4-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	5-M	1.63	22/6592 (0.3%)	1.87	139/8878 (1.6%)
3	6-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	7-M	1.66	23/6594 (0.3%)	1.88	141/8884 (1.6%)
3	8-M	1.63	22/6592 (0.3%)	1.87	139/8878 (1.6%)
3	9-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	10-M	1.66	23/6594 (0.3%)	1.88	141/8884 (1.6%)
3	11-M	1.66	23/6593 (0.3%)	1.88	141/8881 (1.6%)
3	12-M	1.66	23/6593 (0.3%)	1.88	141/8881 (1.6%)
3	13-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	14-M	1.63	22/6592 (0.3%)	1.87	139/8878 (1.6%)
3	15-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	16-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	17-M	1.66	23/6594 (0.3%)	1.88	141/8884 (1.6%)
3	18-M	1.66	23/6594 (0.3%)	1.88	141/8884 (1.6%)
3	19-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	20-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	21-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
3	22-M	1.63	22/6593 (0.3%)	1.87	139/8881 (1.6%)
All	All	1.47	578/196505 (0.3%)	1.97	5688/264619 (2.1%)

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	1-B	0	4
1	2-B	0	4

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Mol	Chain	#Chirality outliers	#Planarity outliers
1	3-B	0	4
1	4-B	0	4
1	5-B	0	4
1	6-B	0	4
1	7-B	0	4
1	8-B	0	4
1	9-B	0	4
1	10-B	0	4
1	11-B	0	4
1	12-B	0	4
1	13-B	0	4
1	14-B	0	4
1	15-B	0	4
1	16-B	0	4
1	17-B	0	4
1	18-B	0	4
1	19-B	0	4
1	20-B	0	4
1	21-B	0	4
1	22-B	0	4
3	1-M	0	1
3	2-M	0	1
3	3-M	0	2
3	4-M	0	1
3	5-M	0	1
3	6-M	0	1
3	7-M	0	1
3	8-M	0	1
3	9-M	0	1
3	10-M	0	1
3	11-M	0	1
3	12-M	0	1
3	13-M	0	1
3	14-M	0	1
3	15-M	0	1
3	16-M	0	2
3	17-M	0	1
3	18-M	0	1
3	19-M	0	3
3	20-M	0	1
3	21-M	0	1
3	22-M	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
All	All	0	114

All (578) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	1-M	731	ALA	C-N	51.68	1.91	1.33
3	2-M	731	ALA	C-N	51.68	1.91	1.33
3	3-M	731	ALA	C-N	51.68	1.91	1.33
3	4-M	731	ALA	C-N	51.68	1.91	1.33
3	5-M	731	ALA	C-N	51.68	1.91	1.33
3	6-M	731	ALA	C-N	51.68	1.91	1.33
3	7-M	731	ALA	C-N	51.68	1.91	1.33
3	8-M	731	ALA	C-N	51.68	1.91	1.33
3	9-M	731	ALA	C-N	51.68	1.91	1.33
3	10-M	731	ALA	C-N	51.68	1.91	1.33
3	11-M	731	ALA	C-N	51.68	1.91	1.33
3	12-M	731	ALA	C-N	51.68	1.91	1.33
3	13-M	731	ALA	C-N	51.68	1.91	1.33
3	14-M	731	ALA	C-N	51.68	1.91	1.33
3	15-M	731	ALA	C-N	51.68	1.91	1.33
3	16-M	731	ALA	C-N	51.68	1.91	1.33
3	17-M	731	ALA	C-N	51.68	1.91	1.33
3	18-M	731	ALA	C-N	51.68	1.91	1.33
3	19-M	731	ALA	C-N	51.68	1.91	1.33
3	20-M	731	ALA	C-N	51.68	1.91	1.33
3	21-M	731	ALA	C-N	51.68	1.91	1.33
3	22-M	731	ALA	C-N	51.68	1.91	1.33
3	7-M	709	LYS	C-N	28.10	1.74	1.33
3	10-M	709	LYS	C-N	28.10	1.74	1.33
3	11-M	709	LYS	C-N	28.10	1.74	1.33
3	12-M	709	LYS	C-N	28.10	1.74	1.33
3	17-M	709	LYS	C-N	28.10	1.74	1.33
3	18-M	709	LYS	C-N	28.10	1.74	1.33
3	1-M	737	PHE	C-N	23.66	1.66	1.33
3	2-M	737	PHE	C-N	23.66	1.66	1.33
3	3-M	737	PHE	C-N	23.66	1.66	1.33
3	4-M	737	PHE	C-N	23.66	1.66	1.33
3	5-M	737	PHE	C-N	23.66	1.66	1.33
3	6-M	737	PHE	C-N	23.66	1.66	1.33
3	7-M	737	PHE	C-N	23.66	1.66	1.33
3	8-M	737	PHE	C-N	23.66	1.66	1.33
3	9-M	737	PHE	C-N	23.66	1.66	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	10-M	737	PHE	C-N	23.66	1.66	1.33
3	11-M	737	PHE	C-N	23.66	1.66	1.33
3	12-M	737	PHE	C-N	23.66	1.66	1.33
3	13-M	737	PHE	C-N	23.66	1.66	1.33
3	14-M	737	PHE	C-N	23.66	1.66	1.33
3	15-M	737	PHE	C-N	23.66	1.66	1.33
3	16-M	737	PHE	C-N	23.66	1.66	1.33
3	17-M	737	PHE	C-N	23.66	1.66	1.33
3	18-M	737	PHE	C-N	23.66	1.66	1.33
3	19-M	737	PHE	C-N	23.66	1.66	1.33
3	20-M	737	PHE	C-N	23.66	1.66	1.33
3	21-M	737	PHE	C-N	23.66	1.66	1.33
3	22-M	737	PHE	C-N	23.66	1.66	1.33
3	1-M	496	PHE	C-N	-7.12	1.25	1.33
3	2-M	496	PHE	C-N	-7.12	1.25	1.33
3	3-M	496	PHE	C-N	-7.12	1.25	1.33
3	4-M	496	PHE	C-N	-7.12	1.25	1.33
3	5-M	496	PHE	C-N	-7.12	1.25	1.33
3	6-M	496	PHE	C-N	-7.12	1.25	1.33
3	7-M	496	PHE	C-N	-7.12	1.25	1.33
3	8-M	496	PHE	C-N	-7.12	1.25	1.33
3	9-M	496	PHE	C-N	-7.12	1.25	1.33
3	10-M	496	PHE	C-N	-7.12	1.25	1.33
3	11-M	496	PHE	C-N	-7.12	1.25	1.33
3	12-M	496	PHE	C-N	-7.12	1.25	1.33
3	13-M	496	PHE	C-N	-7.12	1.25	1.33
3	14-M	496	PHE	C-N	-7.12	1.25	1.33
3	15-M	496	PHE	C-N	-7.12	1.25	1.33
3	16-M	496	PHE	C-N	-7.12	1.25	1.33
3	17-M	496	PHE	C-N	-7.12	1.25	1.33
3	18-M	496	PHE	C-N	-7.12	1.25	1.33
3	19-M	496	PHE	C-N	-7.12	1.25	1.33
3	20-M	496	PHE	C-N	-7.12	1.25	1.33
3	21-M	496	PHE	C-N	-7.12	1.25	1.33
3	22-M	496	PHE	C-N	-7.12	1.25	1.33
3	1-M	177	ILE	C-O	-6.75	1.16	1.24
3	2-M	177	ILE	C-O	-6.75	1.16	1.24
3	3-M	177	ILE	C-O	-6.75	1.16	1.24
3	4-M	177	ILE	C-O	-6.75	1.16	1.24
3	5-M	177	ILE	C-O	-6.75	1.16	1.24
3	6-M	177	ILE	C-O	-6.75	1.16	1.24
3	7-M	177	ILE	C-O	-6.75	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	177	ILE	C-O	-6.75	1.16	1.24
3	9-M	177	ILE	C-O	-6.75	1.16	1.24
3	10-M	177	ILE	C-O	-6.75	1.16	1.24
3	11-M	177	ILE	C-O	-6.75	1.16	1.24
3	12-M	177	ILE	C-O	-6.75	1.16	1.24
3	13-M	177	ILE	C-O	-6.75	1.16	1.24
3	14-M	177	ILE	C-O	-6.75	1.16	1.24
3	15-M	177	ILE	C-O	-6.75	1.16	1.24
3	16-M	177	ILE	C-O	-6.75	1.16	1.24
3	17-M	177	ILE	C-O	-6.75	1.16	1.24
3	18-M	177	ILE	C-O	-6.75	1.16	1.24
3	19-M	177	ILE	C-O	-6.75	1.16	1.24
3	20-M	177	ILE	C-O	-6.75	1.16	1.24
3	21-M	177	ILE	C-O	-6.75	1.16	1.24
3	22-M	177	ILE	C-O	-6.75	1.16	1.24
3	1-M	288	PHE	CA-C	-6.75	1.44	1.52
3	2-M	288	PHE	CA-C	-6.75	1.44	1.52
3	3-M	288	PHE	CA-C	-6.75	1.44	1.52
3	4-M	288	PHE	CA-C	-6.75	1.44	1.52
3	5-M	288	PHE	CA-C	-6.75	1.44	1.52
3	6-M	288	PHE	CA-C	-6.75	1.44	1.52
3	7-M	288	PHE	CA-C	-6.75	1.44	1.52
3	8-M	288	PHE	CA-C	-6.75	1.44	1.52
3	9-M	288	PHE	CA-C	-6.75	1.44	1.52
3	10-M	288	PHE	CA-C	-6.75	1.44	1.52
3	11-M	288	PHE	CA-C	-6.75	1.44	1.52
3	12-M	288	PHE	CA-C	-6.75	1.44	1.52
3	13-M	288	PHE	CA-C	-6.75	1.44	1.52
3	14-M	288	PHE	CA-C	-6.75	1.44	1.52
3	15-M	288	PHE	CA-C	-6.75	1.44	1.52
3	16-M	288	PHE	CA-C	-6.75	1.44	1.52
3	17-M	288	PHE	CA-C	-6.75	1.44	1.52
3	18-M	288	PHE	CA-C	-6.75	1.44	1.52
3	19-M	288	PHE	CA-C	-6.75	1.44	1.52
3	20-M	288	PHE	CA-C	-6.75	1.44	1.52
3	21-M	288	PHE	CA-C	-6.75	1.44	1.52
3	22-M	288	PHE	CA-C	-6.75	1.44	1.52
3	1-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	2-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	3-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	4-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	5-M	523	ILE	CA-CB	-6.64	1.46	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	6-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	7-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	8-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	9-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	10-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	11-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	12-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	13-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	14-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	15-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	16-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	17-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	18-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	19-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	20-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	21-M	523	ILE	CA-CB	-6.64	1.46	1.54
3	22-M	523	ILE	CA-CB	-6.64	1.46	1.54
1	1-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	2-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	3-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	4-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	5-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	6-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	7-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	8-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	9-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	10-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	11-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	12-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	13-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	14-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	15-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	16-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	17-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	18-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	19-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	20-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	21-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
1	22-B	159	HIS	CD2-NE2	-6.31	1.30	1.37
3	1-M	496	PHE	C-O	-6.29	1.16	1.24
3	2-M	496	PHE	C-O	-6.29	1.16	1.24
3	3-M	496	PHE	C-O	-6.29	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	4-M	496	PHE	C-O	-6.29	1.16	1.24
3	5-M	496	PHE	C-O	-6.29	1.16	1.24
3	6-M	496	PHE	C-O	-6.29	1.16	1.24
3	7-M	496	PHE	C-O	-6.29	1.16	1.24
3	8-M	496	PHE	C-O	-6.29	1.16	1.24
3	9-M	496	PHE	C-O	-6.29	1.16	1.24
3	10-M	496	PHE	C-O	-6.29	1.16	1.24
3	11-M	496	PHE	C-O	-6.29	1.16	1.24
3	12-M	496	PHE	C-O	-6.29	1.16	1.24
3	13-M	496	PHE	C-O	-6.29	1.16	1.24
3	14-M	496	PHE	C-O	-6.29	1.16	1.24
3	15-M	496	PHE	C-O	-6.29	1.16	1.24
3	16-M	496	PHE	C-O	-6.29	1.16	1.24
3	17-M	496	PHE	C-O	-6.29	1.16	1.24
3	18-M	496	PHE	C-O	-6.29	1.16	1.24
3	19-M	496	PHE	C-O	-6.29	1.16	1.24
3	20-M	496	PHE	C-O	-6.29	1.16	1.24
3	21-M	496	PHE	C-O	-6.29	1.16	1.24
3	22-M	496	PHE	C-O	-6.29	1.16	1.24
2	1-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	2-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	3-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	4-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	5-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	6-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	7-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	8-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	9-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	10-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	11-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	12-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	13-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	14-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	15-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	16-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	17-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	18-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	19-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	20-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	21-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
2	22-C	145	HIS	CD2-NE2	-6.10	1.31	1.37
3	1-M	434	TYR	CA-CB	-5.92	1.44	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	2-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	3-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	4-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	5-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	6-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	7-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	8-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	9-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	10-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	11-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	12-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	13-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	14-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	15-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	16-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	17-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	18-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	19-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	20-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	21-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	22-M	434	TYR	CA-CB	-5.92	1.44	1.53
3	1-M	514	ASP	C-O	-5.91	1.17	1.23
3	2-M	514	ASP	C-O	-5.91	1.17	1.23
3	3-M	514	ASP	C-O	-5.91	1.17	1.23
3	4-M	514	ASP	C-O	-5.91	1.17	1.23
3	5-M	514	ASP	C-O	-5.91	1.17	1.23
3	6-M	514	ASP	C-O	-5.91	1.17	1.23
3	7-M	514	ASP	C-O	-5.91	1.17	1.23
3	8-M	514	ASP	C-O	-5.91	1.17	1.23
3	9-M	514	ASP	C-O	-5.91	1.17	1.23
3	10-M	514	ASP	C-O	-5.91	1.17	1.23
3	11-M	514	ASP	C-O	-5.91	1.17	1.23
3	12-M	514	ASP	C-O	-5.91	1.17	1.23
3	13-M	514	ASP	C-O	-5.91	1.17	1.23
3	14-M	514	ASP	C-O	-5.91	1.17	1.23
3	15-M	514	ASP	C-O	-5.91	1.17	1.23
3	16-M	514	ASP	C-O	-5.91	1.17	1.23
3	17-M	514	ASP	C-O	-5.91	1.17	1.23
3	18-M	514	ASP	C-O	-5.91	1.17	1.23
3	19-M	514	ASP	C-O	-5.91	1.17	1.23
3	20-M	514	ASP	C-O	-5.91	1.17	1.23
3	21-M	514	ASP	C-O	-5.91	1.17	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	22-M	514	ASP	C-O	-5.91	1.17	1.23
3	1-M	358	VAL	C-O	-5.71	1.17	1.24
3	2-M	358	VAL	C-O	-5.71	1.17	1.24
3	3-M	358	VAL	C-O	-5.71	1.17	1.24
3	4-M	358	VAL	C-O	-5.71	1.17	1.24
3	5-M	358	VAL	C-O	-5.71	1.17	1.24
3	6-M	358	VAL	C-O	-5.71	1.17	1.24
3	7-M	358	VAL	C-O	-5.71	1.17	1.24
3	8-M	358	VAL	C-O	-5.71	1.17	1.24
3	9-M	358	VAL	C-O	-5.71	1.17	1.24
3	10-M	358	VAL	C-O	-5.71	1.17	1.24
3	11-M	358	VAL	C-O	-5.71	1.17	1.24
3	12-M	358	VAL	C-O	-5.71	1.17	1.24
3	13-M	358	VAL	C-O	-5.71	1.17	1.24
3	14-M	358	VAL	C-O	-5.71	1.17	1.24
3	15-M	358	VAL	C-O	-5.71	1.17	1.24
3	16-M	358	VAL	C-O	-5.71	1.17	1.24
3	17-M	358	VAL	C-O	-5.71	1.17	1.24
3	18-M	358	VAL	C-O	-5.71	1.17	1.24
3	19-M	358	VAL	C-O	-5.71	1.17	1.24
3	20-M	358	VAL	C-O	-5.71	1.17	1.24
3	21-M	358	VAL	C-O	-5.71	1.17	1.24
3	22-M	358	VAL	C-O	-5.71	1.17	1.24
2	1-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	2-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	3-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	4-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	5-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	6-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	7-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	8-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	9-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	10-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	11-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	12-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	13-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	14-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	15-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	16-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	17-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	18-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	19-C	109	HIS	CD2-NE2	-5.69	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	20-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	21-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
2	22-C	109	HIS	CD2-NE2	-5.69	1.31	1.37
3	1-M	671	PHE	C-O	-5.47	1.17	1.23
3	2-M	671	PHE	C-O	-5.47	1.17	1.23
3	3-M	671	PHE	C-O	-5.47	1.17	1.23
3	4-M	671	PHE	C-O	-5.47	1.17	1.23
3	5-M	671	PHE	C-O	-5.47	1.17	1.23
3	6-M	671	PHE	C-O	-5.47	1.17	1.23
3	7-M	671	PHE	C-O	-5.47	1.17	1.23
3	8-M	671	PHE	C-O	-5.47	1.17	1.23
3	9-M	671	PHE	C-O	-5.47	1.17	1.23
3	10-M	671	PHE	C-O	-5.47	1.17	1.23
3	11-M	671	PHE	C-O	-5.47	1.17	1.23
3	12-M	671	PHE	C-O	-5.47	1.17	1.23
3	13-M	671	PHE	C-O	-5.47	1.17	1.23
3	14-M	671	PHE	C-O	-5.47	1.17	1.23
3	15-M	671	PHE	C-O	-5.47	1.17	1.23
3	16-M	671	PHE	C-O	-5.47	1.17	1.23
3	17-M	671	PHE	C-O	-5.47	1.17	1.23
3	18-M	671	PHE	C-O	-5.47	1.17	1.23
3	19-M	671	PHE	C-O	-5.47	1.17	1.23
3	20-M	671	PHE	C-O	-5.47	1.17	1.23
3	21-M	671	PHE	C-O	-5.47	1.17	1.23
3	22-M	671	PHE	C-O	-5.47	1.17	1.23
3	1-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	2-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	3-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	4-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	5-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	6-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	7-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	8-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	9-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	10-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	11-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	12-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	13-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	14-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	15-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	16-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	17-M	417	GLN	CD-NE2	-5.45	1.21	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	18-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	19-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	20-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	21-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	22-M	417	GLN	CD-NE2	-5.45	1.21	1.33
3	1-M	104	TYR	C-O	-5.30	1.17	1.24
3	2-M	104	TYR	C-O	-5.30	1.17	1.24
3	3-M	104	TYR	C-O	-5.30	1.17	1.24
3	4-M	104	TYR	C-O	-5.30	1.17	1.24
3	5-M	104	TYR	C-O	-5.30	1.17	1.24
3	6-M	104	TYR	C-O	-5.30	1.17	1.24
3	7-M	104	TYR	C-O	-5.30	1.17	1.24
3	8-M	104	TYR	C-O	-5.30	1.17	1.24
3	9-M	104	TYR	C-O	-5.30	1.17	1.24
3	10-M	104	TYR	C-O	-5.30	1.17	1.24
3	11-M	104	TYR	C-O	-5.30	1.17	1.24
3	12-M	104	TYR	C-O	-5.30	1.17	1.24
3	13-M	104	TYR	C-O	-5.30	1.17	1.24
3	14-M	104	TYR	C-O	-5.30	1.17	1.24
3	15-M	104	TYR	C-O	-5.30	1.17	1.24
3	16-M	104	TYR	C-O	-5.30	1.17	1.24
3	17-M	104	TYR	C-O	-5.30	1.17	1.24
3	18-M	104	TYR	C-O	-5.30	1.17	1.24
3	19-M	104	TYR	C-O	-5.30	1.17	1.24
3	20-M	104	TYR	C-O	-5.30	1.17	1.24
3	21-M	104	TYR	C-O	-5.30	1.17	1.24
3	22-M	104	TYR	C-O	-5.30	1.17	1.24
3	1-M	340	ILE	CA-C	-5.26	1.45	1.52
3	1-M	482	PHE	C-O	-5.26	1.18	1.24
3	2-M	340	ILE	CA-C	-5.26	1.45	1.52
3	2-M	482	PHE	C-O	-5.26	1.18	1.24
3	3-M	340	ILE	CA-C	-5.26	1.45	1.52
3	3-M	482	PHE	C-O	-5.26	1.18	1.24
3	4-M	340	ILE	CA-C	-5.26	1.45	1.52
3	4-M	482	PHE	C-O	-5.26	1.18	1.24
3	5-M	340	ILE	CA-C	-5.26	1.45	1.52
3	5-M	482	PHE	C-O	-5.26	1.18	1.24
3	6-M	340	ILE	CA-C	-5.26	1.45	1.52
3	6-M	482	PHE	C-O	-5.26	1.18	1.24
3	7-M	340	ILE	CA-C	-5.26	1.45	1.52
3	7-M	482	PHE	C-O	-5.26	1.18	1.24
3	8-M	340	ILE	CA-C	-5.26	1.45	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	482	PHE	C-O	-5.26	1.18	1.24
3	9-M	340	ILE	CA-C	-5.26	1.45	1.52
3	9-M	482	PHE	C-O	-5.26	1.18	1.24
3	10-M	340	ILE	CA-C	-5.26	1.45	1.52
3	10-M	482	PHE	C-O	-5.26	1.18	1.24
3	11-M	340	ILE	CA-C	-5.26	1.45	1.52
3	11-M	482	PHE	C-O	-5.26	1.18	1.24
3	12-M	340	ILE	CA-C	-5.26	1.45	1.52
3	12-M	482	PHE	C-O	-5.26	1.18	1.24
3	13-M	340	ILE	CA-C	-5.26	1.45	1.52
3	13-M	482	PHE	C-O	-5.26	1.18	1.24
3	14-M	340	ILE	CA-C	-5.26	1.45	1.52
3	14-M	482	PHE	C-O	-5.26	1.18	1.24
3	15-M	340	ILE	CA-C	-5.26	1.45	1.52
3	15-M	482	PHE	C-O	-5.26	1.18	1.24
3	16-M	340	ILE	CA-C	-5.26	1.45	1.52
3	16-M	482	PHE	C-O	-5.26	1.18	1.24
3	17-M	340	ILE	CA-C	-5.26	1.45	1.52
3	17-M	482	PHE	C-O	-5.26	1.18	1.24
3	18-M	340	ILE	CA-C	-5.26	1.45	1.52
3	18-M	482	PHE	C-O	-5.26	1.18	1.24
3	19-M	340	ILE	CA-C	-5.26	1.45	1.52
3	19-M	482	PHE	C-O	-5.26	1.18	1.24
3	20-M	340	ILE	CA-C	-5.26	1.45	1.52
3	20-M	482	PHE	C-O	-5.26	1.18	1.24
3	21-M	340	ILE	CA-C	-5.26	1.45	1.52
3	21-M	482	PHE	C-O	-5.26	1.18	1.24
3	22-M	340	ILE	CA-C	-5.26	1.45	1.52
3	22-M	482	PHE	C-O	-5.26	1.18	1.24
3	1-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	2-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	3-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	4-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	5-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	6-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	7-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	8-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	9-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	10-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	11-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	12-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	13-M	476	GLU	CD-OE1	5.24	1.35	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	14-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	15-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	16-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	17-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	18-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	19-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	20-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	21-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	22-M	476	GLU	CD-OE1	5.24	1.35	1.25
3	1-M	233	GLY	C-O	-5.17	1.20	1.24
3	2-M	233	GLY	C-O	-5.17	1.20	1.24
3	3-M	233	GLY	C-O	-5.17	1.20	1.24
3	4-M	233	GLY	C-O	-5.17	1.20	1.24
3	5-M	233	GLY	C-O	-5.17	1.20	1.24
3	6-M	233	GLY	C-O	-5.17	1.20	1.24
3	7-M	233	GLY	C-O	-5.17	1.20	1.24
3	8-M	233	GLY	C-O	-5.17	1.20	1.24
3	9-M	233	GLY	C-O	-5.17	1.20	1.24
3	10-M	233	GLY	C-O	-5.17	1.20	1.24
3	11-M	233	GLY	C-O	-5.17	1.20	1.24
3	12-M	233	GLY	C-O	-5.17	1.20	1.24
3	13-M	233	GLY	C-O	-5.17	1.20	1.24
3	14-M	233	GLY	C-O	-5.17	1.20	1.24
3	15-M	233	GLY	C-O	-5.17	1.20	1.24
3	16-M	233	GLY	C-O	-5.17	1.20	1.24
3	17-M	233	GLY	C-O	-5.17	1.20	1.24
3	18-M	233	GLY	C-O	-5.17	1.20	1.24
3	19-M	233	GLY	C-O	-5.17	1.20	1.24
3	20-M	233	GLY	C-O	-5.17	1.20	1.24
3	21-M	233	GLY	C-O	-5.17	1.20	1.24
3	22-M	233	GLY	C-O	-5.17	1.20	1.24
3	1-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	2-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	3-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	4-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	5-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	6-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	7-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	8-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	9-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	10-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	11-M	309	PRO	CA-CB	-5.13	1.46	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	12-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	13-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	14-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	15-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	16-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	17-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	18-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	19-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	20-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	21-M	309	PRO	CA-CB	-5.13	1.46	1.53
3	22-M	309	PRO	CA-CB	-5.13	1.46	1.53
2	1-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	2-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	3-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	4-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	5-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	6-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	7-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	8-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	9-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	10-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	11-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	12-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	13-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	14-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	15-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	16-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	17-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	18-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	19-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	20-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	21-C	109	HIS	CG-ND1	-5.08	1.32	1.38
2	22-C	109	HIS	CG-ND1	-5.08	1.32	1.38
3	1-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	2-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	3-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	4-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	5-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	6-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	7-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	8-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	9-M	576	GLU	CD-OE1	5.08	1.35	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	10-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	11-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	12-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	13-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	14-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	15-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	16-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	17-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	18-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	19-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	20-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	21-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	22-M	576	GLU	CD-OE1	5.08	1.35	1.25
3	1-M	252	ILE	CA-C	-5.05	1.47	1.52
3	2-M	252	ILE	CA-C	-5.05	1.47	1.52
3	3-M	252	ILE	CA-C	-5.05	1.47	1.52
3	4-M	252	ILE	CA-C	-5.05	1.47	1.52
3	5-M	252	ILE	CA-C	-5.05	1.47	1.52
3	6-M	252	ILE	CA-C	-5.05	1.47	1.52
3	7-M	252	ILE	CA-C	-5.05	1.47	1.52
3	8-M	252	ILE	CA-C	-5.05	1.47	1.52
3	9-M	252	ILE	CA-C	-5.05	1.47	1.52
3	10-M	252	ILE	CA-C	-5.05	1.47	1.52
3	11-M	252	ILE	CA-C	-5.05	1.47	1.52
3	12-M	252	ILE	CA-C	-5.05	1.47	1.52
3	13-M	252	ILE	CA-C	-5.05	1.47	1.52
3	14-M	252	ILE	CA-C	-5.05	1.47	1.52
3	15-M	252	ILE	CA-C	-5.05	1.47	1.52
3	16-M	252	ILE	CA-C	-5.05	1.47	1.52
3	17-M	252	ILE	CA-C	-5.05	1.47	1.52
3	18-M	252	ILE	CA-C	-5.05	1.47	1.52
3	19-M	252	ILE	CA-C	-5.05	1.47	1.52
3	20-M	252	ILE	CA-C	-5.05	1.47	1.52
3	21-M	252	ILE	CA-C	-5.05	1.47	1.52
3	22-M	252	ILE	CA-C	-5.05	1.47	1.52
3	1-M	766	PHE	N-CA	-5.04	1.39	1.46
3	2-M	766	PHE	N-CA	-5.04	1.39	1.46
3	3-M	766	PHE	N-CA	-5.04	1.39	1.46
3	4-M	766	PHE	N-CA	-5.04	1.39	1.46
3	5-M	766	PHE	N-CA	-5.04	1.39	1.46
3	6-M	766	PHE	N-CA	-5.04	1.39	1.46
3	7-M	766	PHE	N-CA	-5.04	1.39	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	766	PHE	N-CA	-5.04	1.39	1.46
3	9-M	766	PHE	N-CA	-5.04	1.39	1.46
3	10-M	766	PHE	N-CA	-5.04	1.39	1.46
3	11-M	766	PHE	N-CA	-5.04	1.39	1.46
3	12-M	766	PHE	N-CA	-5.04	1.39	1.46
3	13-M	766	PHE	N-CA	-5.04	1.39	1.46
3	14-M	766	PHE	N-CA	-5.04	1.39	1.46
3	15-M	766	PHE	N-CA	-5.04	1.39	1.46
3	16-M	766	PHE	N-CA	-5.04	1.39	1.46
3	17-M	766	PHE	N-CA	-5.04	1.39	1.46
3	18-M	766	PHE	N-CA	-5.04	1.39	1.46
3	19-M	766	PHE	N-CA	-5.04	1.39	1.46
3	20-M	766	PHE	N-CA	-5.04	1.39	1.46
3	21-M	766	PHE	N-CA	-5.04	1.39	1.46
3	22-M	766	PHE	N-CA	-5.04	1.39	1.46
3	1-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	2-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	3-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	4-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	5-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	6-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	7-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	8-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	9-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	10-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	11-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	12-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	13-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	14-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	15-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	16-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	17-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	18-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	19-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	20-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	21-M	41	VAL	CA-CB	-5.03	1.49	1.54
3	22-M	41	VAL	CA-CB	-5.03	1.49	1.54

All (5688) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	1-M	731	ALA	O-C-N	-34.24	77.05	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	3-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	4-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	5-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	6-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	7-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	8-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	9-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	10-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	11-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	12-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	13-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	14-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	15-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	16-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	17-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	18-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	19-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	20-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	21-M	731	ALA	O-C-N	-34.24	77.05	122.59
3	22-M	731	ALA	O-C-N	-34.24	77.05	122.59
1	1-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	2-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	3-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	4-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	5-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	6-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	7-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	8-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	9-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	10-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	11-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	12-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	13-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	14-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	15-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	16-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	17-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	18-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	19-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	20-B	141	PRO	N-CA-C	27.84	144.67	110.70
1	21-B	141	PRO	N-CA-C	27.84	144.67	110.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-B	141	PRO	N-CA-C	27.84	144.67	110.70
3	1-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	1-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	2-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	2-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	3-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	3-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	4-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	4-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	5-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	5-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	6-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	6-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	7-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	7-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	8-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	8-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	9-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	9-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	10-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	10-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	11-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	11-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	12-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	12-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	13-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	13-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	14-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	14-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	15-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	15-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	16-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	16-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	17-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	17-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	18-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	18-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	19-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	19-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	20-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	20-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	21-M	428	ALA	CA-C-N	-22.05	82.01	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	21-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	22-M	428	ALA	CA-C-N	-22.05	82.01	121.70
3	22-M	428	ALA	C-N-CA	-22.05	82.01	121.70
3	1-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	1-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	2-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	2-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	3-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	3-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	4-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	4-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	5-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	5-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	6-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	6-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	7-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	7-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	8-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	8-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	9-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	9-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	10-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	10-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	11-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	11-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	12-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	12-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	13-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	13-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	14-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	14-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	15-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	15-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	16-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	16-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	17-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	17-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	18-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	18-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	19-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	19-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	20-M	737	PHE	CA-C-N	-19.25	91.54	122.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	21-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	21-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	22-M	737	PHE	CA-C-N	-19.25	91.54	122.53
3	22-M	737	PHE	C-N-CA	-19.25	91.54	122.53
3	1-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	2-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	3-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	4-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	5-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	6-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	7-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	8-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	9-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	10-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	11-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	12-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	13-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	14-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	15-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	16-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	17-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	18-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	19-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	20-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	21-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	22-M	428	ALA	O-C-N	-13.74	101.02	123.00
3	7-M	709	LYS	CA-C-N	-13.06	95.82	121.41
3	7-M	709	LYS	C-N-CA	-13.06	95.82	121.41
3	10-M	709	LYS	CA-C-N	-13.06	95.82	121.41
3	10-M	709	LYS	C-N-CA	-13.06	95.82	121.41
3	11-M	709	LYS	CA-C-N	-13.06	95.82	121.41
3	11-M	709	LYS	C-N-CA	-13.06	95.82	121.41
3	12-M	709	LYS	CA-C-N	-13.06	95.82	121.41
3	12-M	709	LYS	C-N-CA	-13.06	95.82	121.41
3	17-M	709	LYS	CA-C-N	-13.06	95.82	121.41
3	17-M	709	LYS	C-N-CA	-13.06	95.82	121.41
3	18-M	709	LYS	CA-C-N	-13.06	95.82	121.41
3	18-M	709	LYS	C-N-CA	-13.06	95.82	121.41
1	1-B	17	SER	N-CA-C	12.78	125.28	111.36
1	2-B	17	SER	N-CA-C	12.78	125.28	111.36
1	3-B	17	SER	N-CA-C	12.78	125.28	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	17	SER	N-CA-C	12.78	125.28	111.36
1	5-B	17	SER	N-CA-C	12.78	125.28	111.36
1	6-B	17	SER	N-CA-C	12.78	125.28	111.36
1	7-B	17	SER	N-CA-C	12.78	125.28	111.36
1	8-B	17	SER	N-CA-C	12.78	125.28	111.36
1	9-B	17	SER	N-CA-C	12.78	125.28	111.36
1	10-B	17	SER	N-CA-C	12.78	125.28	111.36
1	11-B	17	SER	N-CA-C	12.78	125.28	111.36
1	12-B	17	SER	N-CA-C	12.78	125.28	111.36
1	13-B	17	SER	N-CA-C	12.78	125.28	111.36
1	14-B	17	SER	N-CA-C	12.78	125.28	111.36
1	15-B	17	SER	N-CA-C	12.78	125.28	111.36
1	16-B	17	SER	N-CA-C	12.78	125.28	111.36
1	17-B	17	SER	N-CA-C	12.78	125.28	111.36
1	18-B	17	SER	N-CA-C	12.78	125.28	111.36
1	19-B	17	SER	N-CA-C	12.78	125.28	111.36
1	20-B	17	SER	N-CA-C	12.78	125.28	111.36
1	21-B	17	SER	N-CA-C	12.78	125.28	111.36
1	22-B	17	SER	N-CA-C	12.78	125.28	111.36
1	1-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	2-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	3-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	4-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	5-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	6-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	7-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	8-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	9-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	10-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	11-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	12-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	13-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	14-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	15-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	16-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	17-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	18-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	19-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	20-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	21-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	22-B	143	ASP	CA-CB-CG	12.48	125.08	112.60
1	1-B	141	PRO	CA-N-CD	-12.14	95.00	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	3-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	4-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	5-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	6-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	7-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	8-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	9-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	10-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	11-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	12-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	13-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	14-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	15-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	16-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	17-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	18-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	19-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	20-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	21-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	22-B	141	PRO	CA-N-CD	-12.14	95.00	112.00
1	1-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	2-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	3-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	4-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	5-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	6-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	7-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	8-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	9-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	10-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	11-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	12-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	13-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	14-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	15-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	16-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	17-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	18-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	19-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	20-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
1	21-B	147	ASN	CA-CB-CG	12.03	124.63	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-B	147	ASN	CA-CB-CG	12.03	124.63	112.60
3	1-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	2-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	3-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	4-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	5-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	6-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	7-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	8-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	9-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	10-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	11-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	12-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	13-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	14-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	15-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	16-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	17-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	18-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	19-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	20-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	21-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
3	22-M	98	HIS	CB-CA-C	-11.85	87.29	111.22
2	1-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	2-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	3-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	4-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	5-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	6-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	7-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	8-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	9-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	10-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	11-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	12-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	13-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	14-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	15-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	16-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	17-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	18-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	19-C	88	VAL	N-CA-C	-10.78	103.17	111.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	20-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	21-C	88	VAL	N-CA-C	-10.78	103.17	111.90
2	22-C	88	VAL	N-CA-C	-10.78	103.17	111.90
3	1-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	2-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	3-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	4-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	5-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	6-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	7-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	8-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	9-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	10-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	11-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	12-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	13-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	14-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	15-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	16-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	17-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	18-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	19-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	20-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	21-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	22-M	320	ILE	CB-CA-C	-10.31	100.81	110.91
3	1-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	2-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	3-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	4-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	5-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	6-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	7-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	8-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	9-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	10-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	11-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	12-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	13-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	14-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	15-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	16-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	17-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	18-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	19-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	20-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	21-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
3	22-M	653	PHE	CA-CB-CG	-10.16	103.64	113.80
1	1-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	2-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	3-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	4-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	5-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	6-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	7-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	8-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	9-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	10-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	11-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	12-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	13-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	14-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	15-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	16-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	17-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	18-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	19-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	20-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	21-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	22-B	147	ASN	OD1-CG-ND2	-10.01	112.59	122.60
1	1-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	2-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	3-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	4-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	5-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	6-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	7-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	8-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	9-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	10-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	11-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	12-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	13-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	14-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	15-B	141	PRO	N-CA-CB	-9.80	93.58	103.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	17-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	18-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	19-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	20-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	21-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	22-B	141	PRO	N-CA-CB	-9.80	93.58	103.08
1	1-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	2-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	3-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	4-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	5-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	6-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	7-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	8-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	9-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	10-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	11-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	12-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	13-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	14-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	15-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	16-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	17-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	18-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	19-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	20-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	21-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
1	22-B	128	PHE	CA-CB-CG	-9.70	104.10	113.80
3	1-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	2-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	3-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	4-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	5-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	6-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	7-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	8-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	9-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	10-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	11-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	12-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	13-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	14-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	15-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	16-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	17-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	18-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	19-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	20-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	21-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
3	22-M	693	HIS	CA-CB-CG	-9.62	104.18	113.80
1	1-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	2-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	3-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	4-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	5-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	6-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	7-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	8-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	9-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	10-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	11-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	12-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	13-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	14-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	15-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	16-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	17-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	18-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	19-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	20-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	21-B	19	PHE	N-CA-C	9.46	124.29	111.24
1	22-B	19	PHE	N-CA-C	9.46	124.29	111.24
3	1-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	2-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	3-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	4-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	5-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	6-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	7-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	8-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	9-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	10-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	11-M	604	ASN	CA-CB-CG	9.40	122.00	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	13-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	14-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	15-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	16-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	17-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	18-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	19-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	20-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	21-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
3	22-M	604	ASN	CA-CB-CG	9.40	122.00	112.60
1	1-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	2-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	3-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	4-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	5-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	6-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	7-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	8-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	9-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	10-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	11-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	12-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	13-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	14-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	15-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	16-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	17-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	18-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	19-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	20-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	21-B	109	LYS	N-CA-C	8.99	129.95	110.80
1	22-B	109	LYS	N-CA-C	8.99	129.95	110.80
2	1-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	2-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	3-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	4-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	5-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	6-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	7-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	8-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	9-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	10-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	11-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	12-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	13-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	14-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	15-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	16-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	17-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	18-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	19-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	20-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	21-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	22-C	29	GLN	OE1-CD-NE2	-8.95	113.65	122.60
2	1-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	2-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	3-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	4-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	5-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	6-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	7-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	8-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	9-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	10-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	11-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	12-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	13-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	14-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	15-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	16-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	17-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	18-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	19-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	20-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	21-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
2	22-C	39	GLN	OE1-CD-NE2	-8.90	113.70	122.60
3	1-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	2-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	3-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	4-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	5-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	6-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	7-M	264	ASP	CB-CA-C	-8.71	100.62	111.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	8-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	9-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	10-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	11-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	12-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	13-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	14-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	15-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	16-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	17-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	18-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	19-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	20-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	21-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
3	22-M	264	ASP	CB-CA-C	-8.71	100.62	111.43
2	1-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	2-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	3-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	4-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	5-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	6-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	7-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	8-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	9-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	10-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	11-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	12-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	13-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	14-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	15-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	16-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	17-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	18-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	19-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	20-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	21-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
2	22-C	99	ASN	OD1-CG-ND2	-8.57	114.03	122.60
1	1-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	2-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	3-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	4-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	5-B	105	ASP	CA-CB-CG	8.56	121.16	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	7-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	8-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	9-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	10-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	11-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	12-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	13-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	14-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	15-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	16-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	17-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	18-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	19-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	20-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	21-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
1	22-B	105	ASP	CA-CB-CG	8.56	121.16	112.60
3	1-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	2-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	3-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	4-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	5-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	6-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	7-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	8-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	9-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	10-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	11-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	12-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	13-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	14-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	15-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	16-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	17-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	18-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	19-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	20-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	21-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
3	22-M	752	ASP	CA-CB-CG	8.50	121.10	112.60
2	1-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	2-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	3-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	5-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	6-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	7-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	8-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	9-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	10-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	11-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	12-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	13-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	14-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	15-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	16-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	17-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	18-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	19-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	20-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	21-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
2	22-C	47	ASN	OD1-CG-ND2	-8.44	114.17	122.60
3	1-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	2-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	3-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	4-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	5-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	6-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	7-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	8-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	9-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	10-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	11-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	12-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	13-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	14-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	15-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	16-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	17-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	18-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	19-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	20-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	21-M	784	ALA	N-CA-C	-8.41	102.07	111.07
3	22-M	784	ALA	N-CA-C	-8.41	102.07	111.07
2	1-C	40	ASN	N-CA-C	8.39	119.25	109.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	3-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	4-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	5-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	6-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	7-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	8-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	9-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	10-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	11-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	12-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	13-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	14-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	15-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	16-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	17-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	18-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	19-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	20-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	21-C	40	ASN	N-CA-C	8.39	119.25	109.60
2	22-C	40	ASN	N-CA-C	8.39	119.25	109.60
3	1-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	2-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	3-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	4-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	5-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	6-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	7-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	8-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	9-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	10-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	11-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	12-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	13-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	14-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	15-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	16-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	17-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	18-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	19-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	20-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	21-M	75	ASP	N-CA-CB	8.27	123.03	110.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	22-M	75	ASP	N-CA-CB	8.27	123.03	110.79
3	1-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	2-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	3-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	4-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	5-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	6-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	7-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	8-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	9-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	10-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	11-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	12-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	13-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	14-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	15-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	16-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	17-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	18-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	19-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	20-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	21-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	22-M	264	ASP	N-CA-CB	-8.26	98.14	110.86
3	1-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	2-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	3-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	4-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	5-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	6-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	7-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	8-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	9-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	10-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	11-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	12-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	13-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	14-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	15-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	16-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	17-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	18-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	19-M	752	ASP	CB-CA-C	8.23	121.34	111.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	21-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	22-M	752	ASP	CB-CA-C	8.23	121.34	111.22
3	1-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	2-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	3-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	4-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	5-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	6-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	7-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	8-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	9-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	10-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	11-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	12-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	13-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	14-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	15-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	16-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	17-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	18-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	19-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	20-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	21-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
3	22-M	141	LEU	CB-CA-C	-8.22	97.91	110.90
1	1-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	2-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	3-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	4-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	5-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	6-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	7-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	8-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	9-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	10-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	11-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	12-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	13-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	14-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	15-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	16-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	17-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	18-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	19-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	20-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	21-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
1	22-B	124	GLN	OE1-CD-NE2	-8.21	114.39	122.60
3	1-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	2-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	3-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	4-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	5-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	6-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	7-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	8-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	9-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	10-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	11-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	12-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	13-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	14-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	15-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	16-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	17-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	18-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	19-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	20-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	21-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	22-M	756	THR	N-CA-CB	-8.16	97.83	110.39
3	1-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	2-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	3-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	4-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	5-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	6-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	7-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	8-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	9-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	10-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	11-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	12-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	13-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	14-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	15-M	315	VAL	N-CA-C	8.07	119.84	112.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	16-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	17-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	18-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	19-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	20-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	21-M	315	VAL	N-CA-C	8.07	119.84	112.17
3	22-M	315	VAL	N-CA-C	8.07	119.84	112.17
2	1-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	2-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	3-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	4-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	5-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	6-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	7-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	8-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	9-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	10-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	11-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	12-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	13-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	14-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	15-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	16-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	17-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	18-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	19-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	20-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	21-C	87	PHE	N-CA-C	8.01	122.64	113.02
2	22-C	87	PHE	N-CA-C	8.01	122.64	113.02
1	1-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	2-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	3-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	4-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	5-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	6-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	7-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	8-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	9-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	10-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	11-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	12-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	13-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	14-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	15-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	16-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	17-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	18-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	19-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	20-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	21-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
1	22-B	152	ASN	OD1-CG-ND2	-7.95	114.65	122.60
3	1-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	2-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	3-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	4-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	5-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	6-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	7-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	8-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	9-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	10-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	11-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	12-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	13-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	14-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	15-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	16-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	17-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	18-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	19-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	20-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	21-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	22-M	547	ASP	N-CA-C	-7.93	102.58	111.07
3	1-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	2-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	3-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	4-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	5-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	6-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	7-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	8-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	9-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	10-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	11-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	13-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	14-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	15-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	16-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	17-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	18-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	19-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	20-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	21-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
3	22-M	473	ASN	CA-CB-CG	-7.80	104.80	112.60
2	1-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	2-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	3-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	4-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	5-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	6-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	7-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	8-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	9-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	10-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	11-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	12-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	13-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	14-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	15-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	16-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	17-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	18-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	19-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	20-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	21-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
2	22-C	40	ASN	OD1-CG-ND2	-7.80	114.80	122.60
1	1-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	2-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	3-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	4-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	5-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	6-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	7-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	8-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	9-B	162	ASP	CA-CB-CG	7.80	120.40	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	11-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	12-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	13-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	14-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	15-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	16-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	17-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	18-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	19-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	20-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	21-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
1	22-B	162	ASP	CA-CB-CG	7.80	120.40	112.60
2	1-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	2-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	3-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	4-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	5-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	6-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	7-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	8-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	9-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	10-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	11-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	12-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	13-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	14-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	15-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	16-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	17-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	18-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	19-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	20-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	21-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	22-C	6	GLU	N-CA-C	7.79	127.38	110.80
2	1-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	2-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	3-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	4-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	5-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	6-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	7-C	95	ASP	CA-CB-CG	7.75	120.35	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	8-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	9-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	10-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	11-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	12-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	13-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	14-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	15-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	16-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	17-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	18-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	19-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	20-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	21-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
2	22-C	95	ASP	CA-CB-CG	7.75	120.35	112.60
3	1-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	2-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	3-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	4-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	5-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	6-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	7-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	8-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	9-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	10-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	11-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	12-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	13-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	14-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	15-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	16-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	17-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	18-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	19-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	20-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	21-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	22-M	447	GLN	N-CA-CB	7.74	121.50	110.12
3	1-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	2-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	3-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	4-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	5-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	7-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	8-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	9-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	10-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	11-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	12-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	13-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	14-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	15-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	16-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	17-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	18-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	19-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	20-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	21-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
3	22-M	800	ARG	NE-CZ-NH2	-7.64	112.32	119.20
2	1-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	2-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	3-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	4-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	5-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	6-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	7-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	8-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	9-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	10-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	11-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	12-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	13-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	14-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	15-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	16-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	17-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	18-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	19-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	20-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	21-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	22-C	59	ASN	OD1-CG-ND2	-7.62	114.98	122.60
2	1-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	1-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	2-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	3-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	3-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	4-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	4-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	5-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	5-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	6-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	6-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	7-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	7-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	8-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	8-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	9-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	9-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	10-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	10-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	11-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	11-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	12-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	12-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	13-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	13-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	14-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	14-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	15-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	15-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	16-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	16-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	17-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	17-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	18-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	18-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	19-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	19-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	20-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	20-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	21-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	21-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	22-C	87	PHE	CA-CB-CG	-7.52	106.28	113.80
3	22-M	698	ASN	CB-CA-C	-7.52	98.16	110.79
2	1-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	3-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	4-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	5-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	6-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	7-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	8-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	9-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	10-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	11-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	12-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	13-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	14-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	15-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	16-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	17-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	18-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	19-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	20-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	21-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
2	22-C	134	ASN	OD1-CG-ND2	-7.45	115.15	122.60
1	1-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	2-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	3-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	4-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	5-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	6-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	7-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	8-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	9-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	10-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	11-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	12-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	13-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	14-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	15-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	16-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	17-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	18-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	19-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	20-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
1	21-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-B	58	ASN	OD1-CG-ND2	-7.43	115.17	122.60
3	1-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	2-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	3-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	4-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	5-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	6-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	7-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	8-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	9-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	10-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	11-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	12-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	13-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	14-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	15-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	16-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	17-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	18-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	19-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	20-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	21-M	732	ILE	N-CA-C	7.28	124.60	108.88
3	22-M	732	ILE	N-CA-C	7.28	124.60	108.88
1	1-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	2-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	3-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	4-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	5-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	6-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	7-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	8-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	9-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	10-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	11-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	12-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	13-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	14-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	15-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	16-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	17-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	18-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	19-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	20-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	21-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
1	22-B	36	GLN	OE1-CD-NE2	-7.26	115.34	122.60
3	1-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	2-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	3-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	4-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	5-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	6-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	7-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	8-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	9-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	10-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	11-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	12-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	13-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	14-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	15-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	16-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	17-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	18-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	19-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	20-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	21-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	22-M	736	GLN	OE1-CD-NE2	-7.21	115.39	122.60
3	1-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	1-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	2-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	2-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	3-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	3-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	4-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	4-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	5-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	5-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	6-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	6-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	7-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	7-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	8-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	8-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	9-M	506	GLU	CA-C-N	-7.20	112.69	122.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	10-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	10-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	11-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	11-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	12-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	12-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	13-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	13-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	14-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	14-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	15-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	15-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	16-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	16-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	17-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	17-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	18-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	18-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	19-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	19-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	20-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	20-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	21-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	21-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	22-M	506	GLU	CA-C-N	-7.20	112.69	122.63
3	22-M	506	GLU	C-N-CA	-7.20	112.69	122.63
3	1-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	2-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	3-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	4-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	5-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	6-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	7-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	8-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	9-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	10-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	11-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	12-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	13-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	14-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	15-M	76	GLN	N-CA-C	-7.19	102.83	113.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	16-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	17-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	18-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	19-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	20-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	21-M	76	GLN	N-CA-C	-7.19	102.83	113.61
3	22-M	76	GLN	N-CA-C	-7.19	102.83	113.61
2	1-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	1-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	2-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	2-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	3-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	3-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	4-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	4-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	5-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	5-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	6-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	6-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	7-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	7-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	8-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	8-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	9-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	9-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	10-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	10-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	11-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	11-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	12-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	12-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	13-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	13-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	14-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	14-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	15-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	15-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	16-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	16-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	17-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	17-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	18-C	6	GLU	CA-C-N	7.18	134.90	121.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	18-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	19-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	19-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	20-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	20-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	21-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	21-C	6	GLU	C-N-CA	7.18	134.90	121.97
2	22-C	6	GLU	CA-C-N	7.18	134.90	121.97
2	22-C	6	GLU	C-N-CA	7.18	134.90	121.97
1	1-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	2-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	3-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	4-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	5-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	6-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	7-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	8-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	9-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	10-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	11-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	12-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	13-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	14-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	15-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	16-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	17-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	18-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	19-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	20-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	21-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	22-B	80	PHE	CA-CB-CG	7.07	120.87	113.80
1	1-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	2-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	3-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	4-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	5-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	6-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	7-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	8-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	9-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	10-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	11-B	35	ASP	CA-CB-CG	7.04	119.64	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	13-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	14-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	15-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	16-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	17-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	18-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	19-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	20-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	21-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	22-B	35	ASP	CA-CB-CG	7.04	119.64	112.60
1	1-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	2-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	3-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	4-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	5-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	6-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	7-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	8-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	9-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	10-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	11-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	12-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	13-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	14-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	15-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	16-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	17-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	18-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	19-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	20-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	21-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	22-B	14	ASN	OD1-CG-ND2	-7.03	115.57	122.60
1	1-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	2-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	3-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	4-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	5-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	6-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	7-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	8-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	9-B	112	ILE	N-CA-C	7.01	123.92	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	11-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	12-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	13-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	14-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	15-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	16-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	17-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	18-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	19-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	20-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	21-B	112	ILE	N-CA-C	7.01	123.92	109.34
1	22-B	112	ILE	N-CA-C	7.01	123.92	109.34
3	1-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	1-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	2-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	2-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	3-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	3-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	4-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	4-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	5-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	5-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	6-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	6-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	7-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	7-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	8-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	8-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	9-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	9-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	10-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	10-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	11-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	11-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	12-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	12-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	13-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	13-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	14-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	14-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	15-M	686	MET	CA-C-N	-6.97	111.45	121.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	15-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	16-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	16-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	17-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	17-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	18-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	18-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	19-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	19-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	20-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	20-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	21-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	21-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	22-M	686	MET	CA-C-N	-6.97	111.45	121.42
3	22-M	686	MET	C-N-CA	-6.97	111.45	121.42
3	1-M	652	LEU	O-C-N	6.96	130.18	122.11
3	2-M	652	LEU	O-C-N	6.96	130.18	122.11
3	3-M	652	LEU	O-C-N	6.96	130.18	122.11
3	4-M	652	LEU	O-C-N	6.96	130.18	122.11
3	5-M	652	LEU	O-C-N	6.96	130.18	122.11
3	6-M	652	LEU	O-C-N	6.96	130.18	122.11
3	7-M	652	LEU	O-C-N	6.96	130.18	122.11
3	8-M	652	LEU	O-C-N	6.96	130.18	122.11
3	9-M	652	LEU	O-C-N	6.96	130.18	122.11
3	10-M	652	LEU	O-C-N	6.96	130.18	122.11
3	11-M	652	LEU	O-C-N	6.96	130.18	122.11
3	12-M	652	LEU	O-C-N	6.96	130.18	122.11
3	13-M	652	LEU	O-C-N	6.96	130.18	122.11
3	14-M	652	LEU	O-C-N	6.96	130.18	122.11
3	15-M	652	LEU	O-C-N	6.96	130.18	122.11
3	16-M	652	LEU	O-C-N	6.96	130.18	122.11
3	17-M	652	LEU	O-C-N	6.96	130.18	122.11
3	18-M	652	LEU	O-C-N	6.96	130.18	122.11
3	19-M	652	LEU	O-C-N	6.96	130.18	122.11
3	20-M	652	LEU	O-C-N	6.96	130.18	122.11
3	21-M	652	LEU	O-C-N	6.96	130.18	122.11
3	22-M	652	LEU	O-C-N	6.96	130.18	122.11
1	1-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	2-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	3-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	4-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	5-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	7-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	8-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	9-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	10-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	11-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	12-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	13-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	14-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	15-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	16-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	17-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	18-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	19-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	20-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	21-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
1	22-B	15	VAL	CA-CB-CG2	-6.93	98.62	110.40
2	1-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	2-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	3-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	4-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	5-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	6-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	7-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	8-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	9-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	10-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	11-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	12-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	13-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	14-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	15-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	16-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	17-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	18-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	19-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	20-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	21-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
2	22-C	9	ASP	CA-CB-CG	6.91	119.51	112.60
1	1-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	2-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	3-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	5-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	6-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	7-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	8-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	9-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	10-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	11-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	12-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	13-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	14-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	15-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	16-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	17-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	18-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	19-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	20-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	21-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	22-B	76	ASN	OD1-CG-ND2	-6.89	115.71	122.60
1	1-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	2-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	3-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	4-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	5-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	6-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	7-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	8-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	9-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	10-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	11-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	12-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	13-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	14-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	15-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	16-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	17-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	18-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	19-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	20-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	21-B	159	HIS	N-CA-C	6.88	120.98	112.59
1	22-B	159	HIS	N-CA-C	6.88	120.98	112.59
3	1-M	529	PRO	CA-C-N	-6.83	111.71	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	1-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	2-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	2-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	3-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	3-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	4-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	4-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	5-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	5-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	6-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	6-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	7-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	7-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	8-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	8-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	9-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	9-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	10-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	10-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	11-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	11-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	12-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	12-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	13-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	13-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	14-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	14-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	15-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	15-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	16-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	16-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	17-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	17-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	18-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	18-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	19-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	19-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	20-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	20-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	21-M	529	PRO	CA-C-N	-6.83	111.71	122.65
3	21-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	22-M	529	PRO	CA-C-N	-6.83	111.71	122.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	22-M	529	PRO	C-N-CA	-6.83	111.71	122.65
3	1-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	2-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	3-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	4-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	5-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	6-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	7-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	8-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	9-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	10-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	11-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	12-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	13-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	14-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	15-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	16-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	17-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	18-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	19-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	20-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	21-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
3	22-M	623	PHE	CA-CB-CG	6.83	120.63	113.80
1	1-B	111	SER	N-CA-C	6.82	119.33	110.53
1	2-B	111	SER	N-CA-C	6.82	119.33	110.53
1	3-B	111	SER	N-CA-C	6.82	119.33	110.53
1	4-B	111	SER	N-CA-C	6.82	119.33	110.53
1	5-B	111	SER	N-CA-C	6.82	119.33	110.53
1	6-B	111	SER	N-CA-C	6.82	119.33	110.53
1	7-B	111	SER	N-CA-C	6.82	119.33	110.53
1	8-B	111	SER	N-CA-C	6.82	119.33	110.53
1	9-B	111	SER	N-CA-C	6.82	119.33	110.53
1	10-B	111	SER	N-CA-C	6.82	119.33	110.53
1	11-B	111	SER	N-CA-C	6.82	119.33	110.53
1	12-B	111	SER	N-CA-C	6.82	119.33	110.53
1	13-B	111	SER	N-CA-C	6.82	119.33	110.53
1	14-B	111	SER	N-CA-C	6.82	119.33	110.53
1	15-B	111	SER	N-CA-C	6.82	119.33	110.53
1	16-B	111	SER	N-CA-C	6.82	119.33	110.53
1	17-B	111	SER	N-CA-C	6.82	119.33	110.53
1	18-B	111	SER	N-CA-C	6.82	119.33	110.53
1	19-B	111	SER	N-CA-C	6.82	119.33	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	20-B	111	SER	N-CA-C	6.82	119.33	110.53
1	21-B	111	SER	N-CA-C	6.82	119.33	110.53
1	22-B	111	SER	N-CA-C	6.82	119.33	110.53
3	1-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	1-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	2-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	2-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	3-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	3-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	4-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	4-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	5-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	5-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	6-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	6-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	7-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	7-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	8-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	8-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	9-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	9-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	10-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	10-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	11-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	11-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	12-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	12-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	13-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	13-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	14-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	14-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	15-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	15-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	16-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	16-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	17-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	17-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	18-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	18-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	19-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	19-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	20-M	676	ILE	CA-C-N	6.82	128.36	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	21-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	21-M	676	ILE	C-N-CA	6.82	128.36	119.84
3	22-M	676	ILE	CA-C-N	6.82	128.36	119.84
3	22-M	676	ILE	C-N-CA	6.82	128.36	119.84
1	1-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	2-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	3-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	4-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	5-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	6-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	7-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	8-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	9-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	10-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	11-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	12-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	13-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	14-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	15-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	16-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	17-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	18-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	19-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	20-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	21-B	161	GLU	N-CA-C	6.78	120.77	112.23
1	22-B	161	GLU	N-CA-C	6.78	120.77	112.23
2	1-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	2-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	3-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	4-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	5-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	6-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	7-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	8-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	9-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	10-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	11-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	12-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	13-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	14-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	15-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	16-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	17-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	18-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	19-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	20-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	21-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	22-C	81	GLN	OE1-CD-NE2	-6.76	115.84	122.60
2	1-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	2-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	3-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	4-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	5-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	6-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	7-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	8-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	9-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	10-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	11-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	12-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	13-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	14-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	15-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	16-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	17-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	18-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	19-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	20-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	21-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	22-C	130	GLN	OE1-CD-NE2	-6.72	115.88	122.60
2	1-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	2-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	3-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	4-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	5-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	6-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	7-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	8-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	9-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	10-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	11-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	12-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	13-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	14-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	15-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	16-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	17-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	18-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	19-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	20-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	21-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
2	22-C	52	ASN	OD1-CG-ND2	-6.72	115.88	122.60
1	1-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	2-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	3-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	4-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	5-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	6-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	7-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	8-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	9-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	10-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	11-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	12-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	13-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	14-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	15-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	16-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	17-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	18-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	19-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	20-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	21-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
1	22-B	137	TRP	CG-CD2-CE3	6.69	140.59	133.90
3	1-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	2-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	3-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	4-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	5-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	6-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	7-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	8-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	9-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	10-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	11-M	146	LYS	N-CA-C	6.66	119.38	108.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	13-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	14-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	15-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	16-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	17-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	18-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	19-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	20-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	21-M	146	LYS	N-CA-C	6.66	119.38	108.52
3	22-M	146	LYS	N-CA-C	6.66	119.38	108.52
2	1-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	2-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	3-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	4-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	5-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	6-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	7-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	8-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	9-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	10-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	11-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	12-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	13-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	14-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	15-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	16-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	17-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	18-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	19-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	20-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	21-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	22-C	114	LEU	N-CA-C	6.64	120.86	110.17
2	1-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	2-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	3-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	4-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	5-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	6-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	7-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	8-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	9-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	10-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	11-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	12-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	13-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	14-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	15-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	16-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	17-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	18-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	19-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	20-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	21-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
2	22-C	106	GLU	CA-CB-CG	-6.56	100.98	114.10
1	1-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	2-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	3-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	4-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	5-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	6-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	7-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	8-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	9-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	10-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	11-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	12-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	13-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	14-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	15-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	16-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	17-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	18-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	19-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	20-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	21-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
1	22-B	26	ASP	CA-CB-CG	6.54	119.14	112.60
2	1-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	2-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	3-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	4-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	5-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	6-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	7-C	63	ILE	N-CA-CB	-6.54	100.44	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	8-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	9-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	10-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	11-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	12-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	13-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	14-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	15-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	16-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	17-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	18-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	19-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	20-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	21-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
2	22-C	63	ILE	N-CA-CB	-6.54	100.44	111.23
1	1-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	2-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	3-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	4-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	5-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	6-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	7-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	8-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	9-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	10-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	11-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	12-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	13-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	14-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	15-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	16-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	17-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	18-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	19-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	20-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	21-B	141	PRO	CA-C-O	6.53	130.02	120.56
1	22-B	141	PRO	CA-C-O	6.53	130.02	120.56
3	1-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	2-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	3-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	4-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	5-M	82	PRO	N-CA-CB	6.49	109.38	103.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	7-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	8-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	9-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	10-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	11-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	12-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	13-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	14-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	15-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	16-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	17-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	18-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	19-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	20-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	21-M	82	PRO	N-CA-CB	6.49	109.38	103.08
3	22-M	82	PRO	N-CA-CB	6.49	109.38	103.08
1	1-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	2-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	3-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	4-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	5-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	6-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	7-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	8-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	9-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	10-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	11-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	12-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	13-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	14-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	15-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	16-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	17-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	18-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	19-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	20-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	21-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
1	22-B	37	ASN	OD1-CG-ND2	-6.49	116.11	122.60
3	1-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	2-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	3-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	5-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	6-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	7-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	8-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	9-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	10-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	11-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	12-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	13-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	14-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	15-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	16-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	17-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	18-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	19-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	20-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	21-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
3	22-M	688	HIS	CA-CB-CG	-6.43	107.37	113.80
2	1-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	2-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	3-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	4-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	5-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	6-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	7-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	8-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	9-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	10-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	11-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	12-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	13-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	14-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	15-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	16-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	17-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	18-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	19-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	20-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	21-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	22-C	142	PHE	CA-CB-CG	-6.43	107.37	113.80
2	1-C	49	ILE	N-CA-C	6.42	117.16	108.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	3-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	4-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	5-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	6-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	7-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	8-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	9-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	10-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	11-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	12-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	13-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	14-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	15-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	16-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	17-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	18-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	19-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	20-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	21-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	22-C	49	ILE	N-CA-C	6.42	117.16	108.17
2	1-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	1-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	2-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	2-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	3-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	3-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	4-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	4-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	5-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	5-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	6-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	6-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	7-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	7-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	8-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	8-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	9-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	9-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	10-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	10-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	11-C	102	VAL	CB-CA-C	-6.42	100.79	110.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	12-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	12-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	13-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	13-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	14-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	14-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	15-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	15-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	16-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	16-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	17-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	17-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	18-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	18-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	19-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	19-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	20-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	20-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	21-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	21-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	22-C	102	VAL	CB-CA-C	-6.42	100.79	110.55
3	22-M	156	PHE	N-CA-C	-6.42	104.71	112.54
2	1-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	2-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	3-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	4-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	5-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	6-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	7-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	8-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	9-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	10-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	11-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	12-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	13-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	14-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	15-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	16-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	17-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	18-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	19-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	20-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	21-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	22-C	43	ASN	OD1-CG-ND2	-6.41	116.19	122.60
2	1-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	2-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	3-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	4-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	5-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	6-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	7-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	8-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	9-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	10-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	11-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	12-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	13-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	14-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	15-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	16-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	17-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	18-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	19-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	20-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	21-C	19	ARG	N-CA-C	6.41	120.25	111.54
2	22-C	19	ARG	N-CA-C	6.41	120.25	111.54
3	1-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	2-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	3-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	4-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	5-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	6-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	7-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	8-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	9-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	10-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	11-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	12-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	13-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	14-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	15-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	16-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	17-M	755	HIS	CA-CB-CG	6.36	120.16	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	18-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	19-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	20-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	21-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
3	22-M	755	HIS	CA-CB-CG	6.36	120.16	113.80
1	1-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	2-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	3-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	4-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	5-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	6-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	7-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	8-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	9-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	10-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	11-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	12-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	13-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	14-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	15-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	16-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	17-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	18-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	19-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	20-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	21-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	22-B	94	GLU	N-CA-C	6.33	121.82	111.37
1	1-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	2-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	3-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	4-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	5-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	6-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	7-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	8-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	9-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	10-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	11-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	12-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	13-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	14-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	15-B	111	SER	CA-CB-OG	6.33	123.75	111.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	16-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	17-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	18-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	19-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	20-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	21-B	111	SER	CA-CB-OG	6.33	123.75	111.10
1	22-B	111	SER	CA-CB-OG	6.33	123.75	111.10
3	1-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	2-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	3-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	4-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	5-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	6-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	7-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	8-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	9-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	10-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	11-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	12-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	13-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	14-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	15-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	16-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	17-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	18-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	19-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	20-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	21-M	604	ASN	CA-C-O	6.32	128.29	121.02
3	22-M	604	ASN	CA-C-O	6.32	128.29	121.02
1	1-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	2-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	3-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	4-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	5-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	6-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	7-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	8-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	9-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	10-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	11-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	12-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	13-B	36	GLN	N-CA-C	6.30	118.67	111.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	14-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	15-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	16-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	17-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	18-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	19-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	20-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	21-B	36	GLN	N-CA-C	6.30	118.67	111.11
1	22-B	36	GLN	N-CA-C	6.30	118.67	111.11
3	1-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	2-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	3-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	4-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	5-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	6-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	7-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	8-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	9-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	10-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	11-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	12-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	13-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	14-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	15-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	16-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	17-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	18-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	19-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	20-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	21-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	22-M	524	GLU	N-CA-CB	6.25	119.44	110.06
3	1-M	340	ILE	O-C-N	6.24	128.17	121.87
3	2-M	340	ILE	O-C-N	6.24	128.17	121.87
3	3-M	340	ILE	O-C-N	6.24	128.17	121.87
3	4-M	340	ILE	O-C-N	6.24	128.17	121.87
3	5-M	340	ILE	O-C-N	6.24	128.17	121.87
3	6-M	340	ILE	O-C-N	6.24	128.17	121.87
3	7-M	340	ILE	O-C-N	6.24	128.17	121.87
3	8-M	340	ILE	O-C-N	6.24	128.17	121.87
3	9-M	340	ILE	O-C-N	6.24	128.17	121.87
3	10-M	340	ILE	O-C-N	6.24	128.17	121.87
3	11-M	340	ILE	O-C-N	6.24	128.17	121.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	340	ILE	O-C-N	6.24	128.17	121.87
3	13-M	340	ILE	O-C-N	6.24	128.17	121.87
3	14-M	340	ILE	O-C-N	6.24	128.17	121.87
3	15-M	340	ILE	O-C-N	6.24	128.17	121.87
3	16-M	340	ILE	O-C-N	6.24	128.17	121.87
3	17-M	340	ILE	O-C-N	6.24	128.17	121.87
3	18-M	340	ILE	O-C-N	6.24	128.17	121.87
3	19-M	340	ILE	O-C-N	6.24	128.17	121.87
3	20-M	340	ILE	O-C-N	6.24	128.17	121.87
3	21-M	340	ILE	O-C-N	6.24	128.17	121.87
3	22-M	340	ILE	O-C-N	6.24	128.17	121.87
3	1-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	2-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	3-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	4-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	5-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	6-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	7-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	8-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	9-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	10-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	11-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	12-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	13-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	14-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	15-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	16-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	17-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	18-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	19-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	20-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	21-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	22-M	47	PHE	CB-CA-C	-6.23	101.14	110.24
3	1-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	2-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	3-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	4-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	5-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	6-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	7-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	8-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	9-M	443	ILE	CB-CA-C	-6.21	103.93	111.88

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	11-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	12-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	13-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	14-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	15-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	16-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	17-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	18-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	19-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	20-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	21-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
3	22-M	443	ILE	CB-CA-C	-6.21	103.93	111.88
1	1-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	2-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	3-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	4-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	5-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	6-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	7-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	8-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	9-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	10-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	11-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	12-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	13-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	14-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	15-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	16-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	17-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	18-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	19-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	20-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	21-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
1	22-B	107	ASP	CA-CB-CG	6.20	118.80	112.60
2	1-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	2-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	3-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	4-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	5-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	6-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	7-C	84	PHE	CA-CB-CG	6.19	119.99	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	8-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	9-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	10-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	11-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	12-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	13-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	14-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	15-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	16-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	17-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	18-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	19-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	20-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	21-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
2	22-C	84	PHE	CA-CB-CG	6.19	119.99	113.80
3	1-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	2-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	3-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	4-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	5-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	6-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	7-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	8-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	9-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	10-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	11-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	12-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	13-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	14-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	15-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	16-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	17-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	18-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	19-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	20-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	21-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	22-M	341	LEU	CB-CA-C	6.17	122.25	110.27
3	1-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	2-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	3-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	4-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	5-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	7-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	8-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	9-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	10-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	11-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	12-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	13-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	14-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	15-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	16-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	17-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	18-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	19-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	20-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	21-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	22-M	599	ASN	OD1-CG-ND2	-6.14	116.46	122.60
3	1-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	1-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	2-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	2-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	3-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	3-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	4-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	4-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	5-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	5-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	6-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	6-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	7-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	7-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	8-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	8-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	9-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	9-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	10-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	10-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	11-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	11-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	12-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	12-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	13-M	22	LYS	N-CA-C	-6.14	106.39	114.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	13-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	14-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	14-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	15-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	15-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	16-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	16-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	17-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	17-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	18-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	18-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	19-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	19-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	20-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	20-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	21-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	21-M	352	TYR	N-CA-CB	6.14	120.87	110.49
3	22-M	22	LYS	N-CA-C	-6.14	106.39	114.31
3	22-M	352	TYR	N-CA-CB	6.14	120.87	110.49
1	1-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	2-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	3-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	4-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	5-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	6-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	7-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	8-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	9-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	10-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	11-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	12-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	13-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	14-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	15-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	16-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	17-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	18-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	19-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	20-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	21-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	22-B	135	ASN	OD1-CG-ND2	-6.12	116.48	122.60
1	1-B	108	GLY	N-CA-C	6.09	119.50	111.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	3-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	4-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	5-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	6-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	7-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	8-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	9-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	10-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	11-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	12-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	13-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	14-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	15-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	16-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	17-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	18-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	19-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	20-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	21-B	108	GLY	N-CA-C	6.09	119.50	111.70
1	22-B	108	GLY	N-CA-C	6.09	119.50	111.70
3	1-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	1-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	2-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	2-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	3-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	3-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	4-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	4-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	5-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	5-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	6-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	6-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	7-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	7-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	8-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	8-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	9-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	9-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	10-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	10-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	11-M	279	LEU	CA-C-N	6.09	125.98	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	12-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	12-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	13-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	13-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	14-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	14-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	15-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	15-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	16-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	16-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	17-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	17-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	18-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	18-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	19-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	19-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	20-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	20-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	21-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	21-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	22-M	279	LEU	CA-C-N	6.09	125.98	119.28
3	22-M	279	LEU	C-N-CA	6.09	125.98	119.28
3	1-M	231	ALA	O-C-N	6.07	129.74	122.27
3	2-M	231	ALA	O-C-N	6.07	129.74	122.27
3	3-M	231	ALA	O-C-N	6.07	129.74	122.27
3	4-M	231	ALA	O-C-N	6.07	129.74	122.27
3	5-M	231	ALA	O-C-N	6.07	129.74	122.27
3	6-M	231	ALA	O-C-N	6.07	129.74	122.27
3	7-M	231	ALA	O-C-N	6.07	129.74	122.27
3	8-M	231	ALA	O-C-N	6.07	129.74	122.27
3	9-M	231	ALA	O-C-N	6.07	129.74	122.27
3	10-M	231	ALA	O-C-N	6.07	129.74	122.27
3	11-M	231	ALA	O-C-N	6.07	129.74	122.27
3	12-M	231	ALA	O-C-N	6.07	129.74	122.27
3	13-M	231	ALA	O-C-N	6.07	129.74	122.27
3	14-M	231	ALA	O-C-N	6.07	129.74	122.27
3	15-M	231	ALA	O-C-N	6.07	129.74	122.27
3	16-M	231	ALA	O-C-N	6.07	129.74	122.27
3	17-M	231	ALA	O-C-N	6.07	129.74	122.27
3	18-M	231	ALA	O-C-N	6.07	129.74	122.27
3	19-M	231	ALA	O-C-N	6.07	129.74	122.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20-M	231	ALA	O-C-N	6.07	129.74	122.27
3	21-M	231	ALA	O-C-N	6.07	129.74	122.27
3	22-M	231	ALA	O-C-N	6.07	129.74	122.27
2	1-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	2-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	3-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	4-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	5-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	6-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	7-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	8-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	9-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	10-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	11-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	12-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	13-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	14-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	15-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	16-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	17-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	18-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	19-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	20-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	21-C	96	LYS	N-CA-C	6.07	123.72	110.80
2	22-C	96	LYS	N-CA-C	6.07	123.72	110.80
3	1-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	2-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	3-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	4-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	5-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	6-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	7-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	8-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	9-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	10-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	11-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	12-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	13-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	14-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	15-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	16-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	17-M	165	PHE	N-CA-CB	-6.07	100.24	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	18-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	19-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	20-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	21-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
3	22-M	165	PHE	N-CA-CB	-6.07	100.24	110.49
2	1-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	1-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	2-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	2-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	3-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	3-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	4-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	4-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	5-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	5-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	6-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	6-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	7-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	7-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	8-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	8-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	9-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	9-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	10-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	10-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	11-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	11-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	12-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	12-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	13-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	13-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	14-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	14-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	15-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	15-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	16-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	16-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	17-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	17-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	18-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	18-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	19-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	19-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	20-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	20-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	21-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	21-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	22-C	78	ASN	OD1-CG-ND2	-6.04	116.56	122.60
3	22-M	363	ASN	OD1-CG-ND2	6.04	128.63	122.60
2	1-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	2-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	3-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	4-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	5-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	6-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	7-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	8-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	9-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	10-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	11-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	12-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	13-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	14-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	15-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	16-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	17-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	18-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	19-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	20-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	21-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	22-C	73	GLN	OE1-CD-NE2	-6.03	116.58	122.60
2	1-C	133	SER	N-CA-C	6.01	123.61	110.80
2	2-C	133	SER	N-CA-C	6.01	123.61	110.80
2	3-C	133	SER	N-CA-C	6.01	123.61	110.80
2	4-C	133	SER	N-CA-C	6.01	123.61	110.80
2	5-C	133	SER	N-CA-C	6.01	123.61	110.80
2	6-C	133	SER	N-CA-C	6.01	123.61	110.80
2	7-C	133	SER	N-CA-C	6.01	123.61	110.80
2	8-C	133	SER	N-CA-C	6.01	123.61	110.80
2	9-C	133	SER	N-CA-C	6.01	123.61	110.80
2	10-C	133	SER	N-CA-C	6.01	123.61	110.80
2	11-C	133	SER	N-CA-C	6.01	123.61	110.80
2	12-C	133	SER	N-CA-C	6.01	123.61	110.80
2	13-C	133	SER	N-CA-C	6.01	123.61	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	14-C	133	SER	N-CA-C	6.01	123.61	110.80
2	15-C	133	SER	N-CA-C	6.01	123.61	110.80
2	16-C	133	SER	N-CA-C	6.01	123.61	110.80
2	17-C	133	SER	N-CA-C	6.01	123.61	110.80
2	18-C	133	SER	N-CA-C	6.01	123.61	110.80
2	19-C	133	SER	N-CA-C	6.01	123.61	110.80
2	20-C	133	SER	N-CA-C	6.01	123.61	110.80
2	21-C	133	SER	N-CA-C	6.01	123.61	110.80
2	22-C	133	SER	N-CA-C	6.01	123.61	110.80
3	1-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	2-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	3-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	4-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	5-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	6-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	7-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	8-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	9-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	10-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	11-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	12-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	13-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	14-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	15-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	16-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	17-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	18-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	19-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	20-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	21-M	180	GLU	N-CA-CB	5.98	118.58	110.38
3	22-M	180	GLU	N-CA-CB	5.98	118.58	110.38
2	1-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	2-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	3-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	4-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	5-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	6-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	7-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	8-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	9-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	10-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	11-C	146	ILE	N-CA-C	-5.97	105.31	110.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	12-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	13-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	14-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	15-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	16-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	17-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	18-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	19-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	20-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	21-C	146	ILE	N-CA-C	-5.97	105.31	110.74
2	22-C	146	ILE	N-CA-C	-5.97	105.31	110.74
3	1-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	1-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	2-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	2-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	3-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	3-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	4-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	4-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	5-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	5-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	6-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	6-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	7-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	7-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	8-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	8-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	9-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	9-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	10-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	10-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	11-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	11-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	12-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	12-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	13-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	13-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	14-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	14-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	15-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	15-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	16-M	308	ASN	CA-C-N	5.96	125.58	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	16-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	17-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	17-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	18-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	18-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	19-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	19-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	20-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	20-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	21-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	21-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	22-M	308	ASN	CA-C-N	5.96	125.58	119.56
3	22-M	308	ASN	C-N-CA	5.96	125.58	119.56
3	1-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	2-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	3-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	4-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	5-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	6-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	7-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	8-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	9-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	10-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	11-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	12-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	13-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	14-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	15-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	16-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	17-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	18-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	19-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	20-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	21-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	22-M	479	CYS	N-CA-CB	5.96	118.82	109.94
3	1-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	2-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	3-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	4-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	5-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	6-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	7-M	23	GLU	N-CA-C	-5.95	104.87	111.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	8-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	9-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	10-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	11-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	12-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	13-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	14-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	15-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	16-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	17-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	18-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	19-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	20-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	21-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	22-M	23	GLU	N-CA-C	-5.95	104.87	111.71
3	1-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	2-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	3-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	4-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	5-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	6-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	7-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	8-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	9-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	10-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	11-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	12-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	13-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	14-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	15-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	16-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	17-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	18-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	19-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	20-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	21-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	22-M	88	ILE	CB-CG1-CD1	-5.94	101.32	113.80
3	1-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	1-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	2-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	2-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	3-M	686	MET	N-CA-CB	-5.94	100.78	110.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	4-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	4-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	5-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	5-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	6-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	6-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	7-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	7-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	8-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	8-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	9-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	9-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	10-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	10-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	11-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	11-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	12-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	12-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	13-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	13-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	14-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	14-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	15-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	15-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	16-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	16-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	17-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	17-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	18-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	18-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	19-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	19-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	20-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	20-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	21-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	21-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	22-M	686	MET	N-CA-CB	-5.94	100.78	110.59
3	22-M	753	VAL	N-CA-C	5.94	118.51	109.12
3	1-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	2-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	3-M	136	ASN	CA-C-O	5.92	124.69	119.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	5-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	6-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	7-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	8-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	9-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	10-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	11-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	12-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	13-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	14-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	15-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	16-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	17-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	18-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	19-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	20-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	21-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	22-M	136	ASN	CA-C-O	5.92	124.69	119.71
3	1-M	136	ASN	O-C-N	5.92	126.23	121.38
3	2-M	136	ASN	O-C-N	5.92	126.23	121.38
3	3-M	136	ASN	O-C-N	5.92	126.23	121.38
3	4-M	136	ASN	O-C-N	5.92	126.23	121.38
3	5-M	136	ASN	O-C-N	5.92	126.23	121.38
3	6-M	136	ASN	O-C-N	5.92	126.23	121.38
3	7-M	136	ASN	O-C-N	5.92	126.23	121.38
3	8-M	136	ASN	O-C-N	5.92	126.23	121.38
3	9-M	136	ASN	O-C-N	5.92	126.23	121.38
3	10-M	136	ASN	O-C-N	5.92	126.23	121.38
3	11-M	136	ASN	O-C-N	5.92	126.23	121.38
3	12-M	136	ASN	O-C-N	5.92	126.23	121.38
3	13-M	136	ASN	O-C-N	5.92	126.23	121.38
3	14-M	136	ASN	O-C-N	5.92	126.23	121.38
3	15-M	136	ASN	O-C-N	5.92	126.23	121.38
3	16-M	136	ASN	O-C-N	5.92	126.23	121.38
3	17-M	136	ASN	O-C-N	5.92	126.23	121.38
3	18-M	136	ASN	O-C-N	5.92	126.23	121.38
3	19-M	136	ASN	O-C-N	5.92	126.23	121.38
3	20-M	136	ASN	O-C-N	5.92	126.23	121.38
3	21-M	136	ASN	O-C-N	5.92	126.23	121.38
3	22-M	136	ASN	O-C-N	5.92	126.23	121.38
1	1-B	129	THR	N-CA-C	5.88	118.01	109.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2-B	129	THR	N-CA-C	5.88	118.01	109.84
1	3-B	129	THR	N-CA-C	5.88	118.01	109.84
1	4-B	129	THR	N-CA-C	5.88	118.01	109.84
1	5-B	129	THR	N-CA-C	5.88	118.01	109.84
1	6-B	129	THR	N-CA-C	5.88	118.01	109.84
1	7-B	129	THR	N-CA-C	5.88	118.01	109.84
1	8-B	129	THR	N-CA-C	5.88	118.01	109.84
1	9-B	129	THR	N-CA-C	5.88	118.01	109.84
1	10-B	129	THR	N-CA-C	5.88	118.01	109.84
1	11-B	129	THR	N-CA-C	5.88	118.01	109.84
1	12-B	129	THR	N-CA-C	5.88	118.01	109.84
1	13-B	129	THR	N-CA-C	5.88	118.01	109.84
1	14-B	129	THR	N-CA-C	5.88	118.01	109.84
1	15-B	129	THR	N-CA-C	5.88	118.01	109.84
1	16-B	129	THR	N-CA-C	5.88	118.01	109.84
1	17-B	129	THR	N-CA-C	5.88	118.01	109.84
1	18-B	129	THR	N-CA-C	5.88	118.01	109.84
1	19-B	129	THR	N-CA-C	5.88	118.01	109.84
1	20-B	129	THR	N-CA-C	5.88	118.01	109.84
1	21-B	129	THR	N-CA-C	5.88	118.01	109.84
1	22-B	129	THR	N-CA-C	5.88	118.01	109.84
3	1-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	2-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	3-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	4-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	5-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	6-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	7-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	8-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	9-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	10-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	11-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	12-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	13-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	14-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	15-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	16-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	17-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	18-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	19-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	20-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	21-M	717	TYR	N-CA-C	5.87	121.06	111.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	22-M	717	TYR	N-CA-C	5.87	121.06	111.37
3	1-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	2-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	3-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	4-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	5-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	6-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	7-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	8-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	9-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	10-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	11-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	12-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	13-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	14-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	15-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	16-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	17-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	18-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	19-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	20-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	21-M	747	LEU	N-CA-CB	5.87	118.69	109.94
3	22-M	747	LEU	N-CA-CB	5.87	118.69	109.94
2	1-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	2-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	3-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	4-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	5-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	6-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	7-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	8-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	9-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	10-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	11-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	12-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	13-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	14-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	15-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	16-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	17-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	18-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	19-C	49	ILE	CA-C-O	5.85	126.69	120.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	20-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	21-C	49	ILE	CA-C-O	5.85	126.69	120.48
2	22-C	49	ILE	CA-C-O	5.85	126.69	120.48
3	1-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	1-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	1-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	1-M	790	THR	CA-C-O	5.85	126.56	119.31
3	2-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	2-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	2-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	2-M	790	THR	CA-C-O	5.85	126.56	119.31
3	3-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	3-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	3-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	3-M	790	THR	CA-C-O	5.85	126.56	119.31
3	4-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	4-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	4-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	4-M	790	THR	CA-C-O	5.85	126.56	119.31
3	5-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	5-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	5-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	5-M	790	THR	CA-C-O	5.85	126.56	119.31
3	6-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	6-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	6-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	6-M	790	THR	CA-C-O	5.85	126.56	119.31
3	7-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	7-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	7-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	7-M	790	THR	CA-C-O	5.85	126.56	119.31
3	8-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	8-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	8-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	8-M	790	THR	CA-C-O	5.85	126.56	119.31
3	9-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	9-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	9-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	9-M	790	THR	CA-C-O	5.85	126.56	119.31
3	10-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	10-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	10-M	592	ILE	C-N-CA	-5.85	113.69	122.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	790	THR	CA-C-O	5.85	126.56	119.31
3	11-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	11-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	11-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	11-M	790	THR	CA-C-O	5.85	126.56	119.31
3	12-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	12-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	12-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	12-M	790	THR	CA-C-O	5.85	126.56	119.31
3	13-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	13-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	13-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	13-M	790	THR	CA-C-O	5.85	126.56	119.31
3	14-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	14-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	14-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	14-M	790	THR	CA-C-O	5.85	126.56	119.31
3	15-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	15-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	15-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	15-M	790	THR	CA-C-O	5.85	126.56	119.31
3	16-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	16-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	16-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	16-M	790	THR	CA-C-O	5.85	126.56	119.31
3	17-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	17-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	17-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	17-M	790	THR	CA-C-O	5.85	126.56	119.31
3	18-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	18-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	18-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	18-M	790	THR	CA-C-O	5.85	126.56	119.31
3	19-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	19-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	19-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	19-M	790	THR	CA-C-O	5.85	126.56	119.31
3	20-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	20-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	20-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	20-M	790	THR	CA-C-O	5.85	126.56	119.31
3	21-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	21-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	21-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	21-M	790	THR	CA-C-O	5.85	126.56	119.31
3	22-M	278	GLN	OE1-CD-NE2	5.85	128.45	122.60
3	22-M	592	ILE	CA-C-N	-5.85	113.69	122.47
3	22-M	592	ILE	C-N-CA	-5.85	113.69	122.47
3	22-M	790	THR	CA-C-O	5.85	126.56	119.31
1	1-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	2-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	3-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	4-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	5-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	6-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	7-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	8-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	9-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	10-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	11-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	12-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	13-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	14-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	15-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	16-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	17-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	18-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	19-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	20-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	21-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
1	22-B	36	GLN	CB-CA-C	-5.83	101.48	110.81
3	1-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	2-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	3-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	4-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	5-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	6-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	7-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	8-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	9-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	10-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	11-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	12-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	13-M	687	GLU	N-CA-CB	5.80	118.82	110.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	14-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	15-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	16-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	17-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	18-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	19-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	20-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	21-M	687	GLU	N-CA-CB	5.80	118.82	110.06
3	22-M	687	GLU	N-CA-CB	5.80	118.82	110.06
1	1-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	2-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	3-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	4-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	5-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	6-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	7-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	8-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	9-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	10-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	11-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	12-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	13-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	14-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	15-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	16-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	17-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	18-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	19-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	20-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	21-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	22-B	113	LYS	N-CA-C	5.79	119.25	109.76
1	1-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	1-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	2-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	2-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	3-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	3-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	4-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	4-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	5-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	5-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	6-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	7-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	7-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	8-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	8-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	9-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	9-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	10-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	10-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	11-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	11-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	12-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	12-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	13-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	13-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	14-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	14-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	15-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	15-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	16-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	16-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	17-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	17-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	18-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	18-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	19-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	19-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	20-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	20-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	21-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	21-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
1	22-B	140	PHE	CA-CB-CG	-5.78	108.02	113.80
3	22-M	463	ASP	CA-CB-CG	5.78	118.38	112.60
3	1-M	139	VAL	O-C-N	5.77	127.56	121.91
3	2-M	139	VAL	O-C-N	5.77	127.56	121.91
3	3-M	139	VAL	O-C-N	5.77	127.56	121.91
3	4-M	139	VAL	O-C-N	5.77	127.56	121.91
3	5-M	139	VAL	O-C-N	5.77	127.56	121.91
3	6-M	139	VAL	O-C-N	5.77	127.56	121.91
3	7-M	139	VAL	O-C-N	5.77	127.56	121.91
3	8-M	139	VAL	O-C-N	5.77	127.56	121.91
3	9-M	139	VAL	O-C-N	5.77	127.56	121.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	139	VAL	O-C-N	5.77	127.56	121.91
3	11-M	139	VAL	O-C-N	5.77	127.56	121.91
3	12-M	139	VAL	O-C-N	5.77	127.56	121.91
3	13-M	139	VAL	O-C-N	5.77	127.56	121.91
3	14-M	139	VAL	O-C-N	5.77	127.56	121.91
3	15-M	139	VAL	O-C-N	5.77	127.56	121.91
3	16-M	139	VAL	O-C-N	5.77	127.56	121.91
3	17-M	139	VAL	O-C-N	5.77	127.56	121.91
3	18-M	139	VAL	O-C-N	5.77	127.56	121.91
3	19-M	139	VAL	O-C-N	5.77	127.56	121.91
3	20-M	139	VAL	O-C-N	5.77	127.56	121.91
3	21-M	139	VAL	O-C-N	5.77	127.56	121.91
3	22-M	139	VAL	O-C-N	5.77	127.56	121.91
2	1-C	26	THR	N-CA-C	5.75	118.99	110.48
2	2-C	26	THR	N-CA-C	5.75	118.99	110.48
2	3-C	26	THR	N-CA-C	5.75	118.99	110.48
2	4-C	26	THR	N-CA-C	5.75	118.99	110.48
2	5-C	26	THR	N-CA-C	5.75	118.99	110.48
2	6-C	26	THR	N-CA-C	5.75	118.99	110.48
2	7-C	26	THR	N-CA-C	5.75	118.99	110.48
2	8-C	26	THR	N-CA-C	5.75	118.99	110.48
2	9-C	26	THR	N-CA-C	5.75	118.99	110.48
2	10-C	26	THR	N-CA-C	5.75	118.99	110.48
2	11-C	26	THR	N-CA-C	5.75	118.99	110.48
2	12-C	26	THR	N-CA-C	5.75	118.99	110.48
2	13-C	26	THR	N-CA-C	5.75	118.99	110.48
2	14-C	26	THR	N-CA-C	5.75	118.99	110.48
2	15-C	26	THR	N-CA-C	5.75	118.99	110.48
2	16-C	26	THR	N-CA-C	5.75	118.99	110.48
2	17-C	26	THR	N-CA-C	5.75	118.99	110.48
2	18-C	26	THR	N-CA-C	5.75	118.99	110.48
2	19-C	26	THR	N-CA-C	5.75	118.99	110.48
2	20-C	26	THR	N-CA-C	5.75	118.99	110.48
2	21-C	26	THR	N-CA-C	5.75	118.99	110.48
2	22-C	26	THR	N-CA-C	5.75	118.99	110.48
2	1-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	2-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	3-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	4-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	5-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	6-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	7-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	8-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	9-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	10-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	11-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	12-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	13-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	14-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	15-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	16-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	17-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	18-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	19-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	20-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	21-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	22-C	29	GLN	CG-CD-NE2	5.71	124.97	116.40
2	1-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	2-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	3-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	4-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	5-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	6-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	7-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	8-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	9-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	10-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	11-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	12-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	13-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	14-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	15-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	16-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	17-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	18-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	19-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	20-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	21-C	66	GLU	N-CA-C	5.69	119.04	111.75
2	22-C	66	GLU	N-CA-C	5.69	119.04	111.75
3	1-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	2-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	3-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	4-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	5-M	786	ILE	CB-CA-C	-5.68	104.60	112.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	7-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	8-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	9-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	10-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	11-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	12-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	13-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	14-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	15-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	16-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	17-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	18-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	19-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	20-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	21-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	22-M	786	ILE	CB-CA-C	-5.68	104.60	112.04
3	1-M	718	ALA	O-C-N	5.68	128.62	122.15
3	2-M	718	ALA	O-C-N	5.68	128.62	122.15
3	3-M	718	ALA	O-C-N	5.68	128.62	122.15
3	4-M	718	ALA	O-C-N	5.68	128.62	122.15
3	5-M	718	ALA	O-C-N	5.68	128.62	122.15
3	6-M	718	ALA	O-C-N	5.68	128.62	122.15
3	7-M	718	ALA	O-C-N	5.68	128.62	122.15
3	8-M	718	ALA	O-C-N	5.68	128.62	122.15
3	9-M	718	ALA	O-C-N	5.68	128.62	122.15
3	10-M	718	ALA	O-C-N	5.68	128.62	122.15
3	11-M	718	ALA	O-C-N	5.68	128.62	122.15
3	12-M	718	ALA	O-C-N	5.68	128.62	122.15
3	13-M	718	ALA	O-C-N	5.68	128.62	122.15
3	14-M	718	ALA	O-C-N	5.68	128.62	122.15
3	15-M	718	ALA	O-C-N	5.68	128.62	122.15
3	16-M	718	ALA	O-C-N	5.68	128.62	122.15
3	17-M	718	ALA	O-C-N	5.68	128.62	122.15
3	18-M	718	ALA	O-C-N	5.68	128.62	122.15
3	19-M	718	ALA	O-C-N	5.68	128.62	122.15
3	20-M	718	ALA	O-C-N	5.68	128.62	122.15
3	21-M	718	ALA	O-C-N	5.68	128.62	122.15
3	22-M	718	ALA	O-C-N	5.68	128.62	122.15
3	1-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	1-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	2-M	755	HIS	CA-C-N	5.66	129.58	121.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	3-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	3-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	4-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	4-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	5-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	5-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	6-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	6-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	7-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	7-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	8-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	8-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	9-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	9-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	10-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	10-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	11-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	11-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	12-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	12-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	13-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	13-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	14-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	14-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	15-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	15-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	16-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	16-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	17-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	17-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	18-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	18-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	19-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	19-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	20-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	20-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	21-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	21-M	755	HIS	C-N-CA	5.66	129.58	121.71
3	22-M	755	HIS	CA-C-N	5.66	129.58	121.71
3	22-M	755	HIS	C-N-CA	5.66	129.58	121.71
2	1-C	39	GLN	N-CA-C	5.65	117.98	109.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	3-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	4-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	5-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	6-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	7-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	8-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	9-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	10-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	11-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	12-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	13-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	14-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	15-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	16-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	17-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	18-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	19-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	20-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	21-C	39	GLN	N-CA-C	5.65	117.98	109.23
2	22-C	39	GLN	N-CA-C	5.65	117.98	109.23
1	1-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	2-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	3-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	4-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	5-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	6-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	7-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	8-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	9-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	10-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	11-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	12-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	13-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	14-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	15-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	16-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	17-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	18-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	19-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	20-B	20	ASP	N-CA-C	5.64	117.98	110.53
1	21-B	20	ASP	N-CA-C	5.64	117.98	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-B	20	ASP	N-CA-C	5.64	117.98	110.53
3	1-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	2-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	3-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	4-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	5-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	6-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	7-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	8-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	9-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	10-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	11-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	12-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	13-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	14-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	15-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	16-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	17-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	18-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	19-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	20-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	21-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
3	22-M	351	ILE	CB-CA-C	-5.63	104.67	111.88
2	1-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	1-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	2-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	2-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	3-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	3-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	4-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	4-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	5-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	5-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	6-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	6-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	7-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	7-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	8-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	8-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	9-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	9-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	10-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	11-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	11-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	12-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	12-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	13-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	13-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	14-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	14-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	15-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	15-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	16-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	16-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	17-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	17-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	18-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	18-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	19-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	19-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	20-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	20-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	21-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	21-M	257	THR	N-CA-C	-5.63	104.84	110.97
2	22-C	138	ASN	OD1-CG-ND2	-5.63	116.97	122.60
3	22-M	257	THR	N-CA-C	-5.63	104.84	110.97
1	1-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	2-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	3-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	4-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	5-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	6-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	7-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	8-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	9-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	10-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	11-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	12-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	13-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	14-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	15-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	16-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	17-B	76	ASN	N-CA-C	5.61	122.74	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	18-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	19-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	20-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	21-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	22-B	76	ASN	N-CA-C	5.61	122.74	110.80
1	1-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	1-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	2-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	2-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	3-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	3-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	4-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	4-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	5-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	5-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	6-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	6-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	7-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	7-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	8-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	8-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	9-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	9-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	10-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	10-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	11-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	11-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	12-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	12-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	13-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	13-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	14-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	14-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	15-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	15-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	16-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	16-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	17-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	17-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	18-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	18-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	19-B	86	GLU	N-CA-C	5.59	118.91	111.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	19-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	20-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	20-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	21-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	21-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
1	22-B	86	GLU	N-CA-C	5.59	118.91	111.75
3	22-M	138	LYS	CB-CA-C	-5.59	99.45	109.24
2	1-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	2-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	3-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	4-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	5-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	6-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	7-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	8-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	9-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	10-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	11-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	12-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	13-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	14-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	15-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	16-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	17-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	18-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	19-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	20-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	21-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
2	22-C	77	ASN	OD1-CG-ND2	-5.59	117.01	122.60
3	1-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	2-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	3-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	4-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	5-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	6-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	7-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	8-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	9-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	10-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	11-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	12-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	13-M	333	ALA	CA-C-O	5.57	126.86	120.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	14-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	15-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	16-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	17-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	18-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	19-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	20-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	21-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	22-M	333	ALA	CA-C-O	5.57	126.86	120.90
3	1-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	2-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	3-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	4-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	5-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	6-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	7-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	8-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	9-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	10-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	11-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	12-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	13-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	14-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	15-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	16-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	17-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	18-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	19-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	20-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	21-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	22-M	433	VAL	N-CA-C	5.57	115.77	110.42
3	1-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	2-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	3-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	4-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	5-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	6-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	7-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	8-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	9-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	10-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	11-M	346	ASP	N-CA-CB	-5.57	101.36	109.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	13-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	14-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	15-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	16-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	17-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	18-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	19-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	20-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	21-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	22-M	346	ASP	N-CA-CB	-5.57	101.36	109.82
3	1-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	2-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	3-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	4-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	5-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	6-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	7-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	8-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	9-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	10-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	11-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	12-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	13-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	14-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	15-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	16-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	17-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	18-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	19-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	20-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	21-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	22-M	309	PRO	CB-CA-C	-5.56	103.57	111.68
3	1-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	1-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	1-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	2-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	2-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	2-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	3-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	3-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	3-M	828	HIS	C-N-CA	5.55	128.97	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	4-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	4-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	5-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	5-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	5-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	6-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	6-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	6-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	7-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	7-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	7-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	8-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	8-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	8-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	9-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	9-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	9-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	10-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	10-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	10-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	11-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	11-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	11-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	12-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	12-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	12-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	13-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	13-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	13-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	14-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	14-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	14-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	15-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	15-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	15-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	16-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	16-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	16-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	17-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	17-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	17-M	828	HIS	C-N-CA	5.55	128.97	121.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	18-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	18-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	18-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	19-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	19-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	19-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	20-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	20-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	20-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	21-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	21-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	21-M	828	HIS	C-N-CA	5.55	128.97	121.20
3	22-M	732	ILE	N-CA-CB	-5.55	103.44	111.21
3	22-M	828	HIS	CA-C-N	5.55	128.97	121.20
3	22-M	828	HIS	C-N-CA	5.55	128.97	121.20
1	1-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	2-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	3-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	4-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	5-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	6-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	7-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	8-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	9-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	10-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	11-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	12-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	13-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	14-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	15-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	16-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	17-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	18-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	19-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	20-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	21-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	22-B	89	LYS	N-CA-C	5.55	119.55	112.34
1	1-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	2-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	3-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	4-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	5-B	15	VAL	N-CA-C	5.52	120.18	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	7-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	8-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	9-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	10-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	11-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	12-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	13-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	14-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	15-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	16-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	17-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	18-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	19-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	20-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	21-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	22-B	15	VAL	N-CA-C	5.52	120.18	113.00
1	1-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	2-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	3-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	4-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	5-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	6-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	7-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	8-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	9-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	10-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	11-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	12-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	13-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	14-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	15-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	16-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	17-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	18-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	19-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	20-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	21-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
1	22-B	147	ASN	N-CA-CB	-5.52	102.09	111.20
2	1-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	2-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	3-C	22	ASP	CA-CB-CG	5.51	118.11	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	5-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	6-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	7-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	8-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	9-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	10-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	11-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	12-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	13-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	14-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	15-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	16-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	17-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	18-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	19-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	20-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	21-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
2	22-C	22	ASP	CA-CB-CG	5.51	118.11	112.60
3	1-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	2-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	3-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	4-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	5-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	6-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	7-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	8-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	9-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	10-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	11-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	12-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	13-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	14-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	15-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	16-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	17-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	18-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	19-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	20-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	21-M	291	ILE	N-CA-C	5.50	116.89	110.62
3	22-M	291	ILE	N-CA-C	5.50	116.89	110.62
2	1-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	3-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	4-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	5-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	6-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	7-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	8-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	9-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	10-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	11-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	12-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	13-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	14-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	15-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	16-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	17-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	18-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	19-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	20-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	21-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	22-C	39	GLN	CG-CD-NE2	5.48	124.63	116.40
2	1-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	2-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	3-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	4-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	5-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	6-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	7-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	8-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	9-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	10-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	11-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	12-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	13-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	14-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	15-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	16-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	17-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	18-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	19-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	20-C	77	ASN	N-CA-C	5.48	117.25	111.28
2	21-C	77	ASN	N-CA-C	5.48	117.25	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	22-C	77	ASN	N-CA-C	5.48	117.25	111.28
3	1-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	2-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	3-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	4-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	5-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	6-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	7-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	8-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	9-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	10-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	11-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	12-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	13-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	14-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	15-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	16-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	17-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	18-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	19-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	20-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	21-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	22-M	732	ILE	CA-C-O	-5.46	112.63	119.95
3	1-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	2-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	3-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	4-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	5-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	6-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	7-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	8-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	9-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	10-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	11-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	12-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	13-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	14-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	15-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	16-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	17-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	18-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	19-M	838	ILE	N-CA-C	5.46	116.95	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	21-M	838	ILE	N-CA-C	5.46	116.95	111.00
3	22-M	838	ILE	N-CA-C	5.46	116.95	111.00
1	1-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	2-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	3-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	4-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	5-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	6-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	7-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	8-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	9-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	10-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	11-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	12-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	13-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	14-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	15-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	16-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	17-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	18-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	19-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	20-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	21-B	120	LEU	N-CA-C	5.44	119.02	112.38
1	22-B	120	LEU	N-CA-C	5.44	119.02	112.38
3	1-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	1-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	2-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	2-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	3-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	3-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	4-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	4-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	5-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	5-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	6-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	6-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	7-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	7-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	8-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	8-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	9-M	136	ASN	CA-C-N	5.44	126.64	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	10-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	10-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	11-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	11-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	12-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	12-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	13-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	13-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	14-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	14-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	15-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	15-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	16-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	16-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	17-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	17-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	18-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	18-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	19-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	19-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	20-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	20-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	21-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	21-M	136	ASN	C-N-CA	5.44	126.64	119.84
3	22-M	136	ASN	CA-C-N	5.44	126.64	119.84
3	22-M	136	ASN	C-N-CA	5.44	126.64	119.84
2	1-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	2-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	3-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	4-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	5-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	6-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	7-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	8-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	9-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	10-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	11-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	12-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	13-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	14-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	15-C	44	ALA	N-CA-C	-5.42	99.25	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	16-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	17-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	18-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	19-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	20-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	21-C	44	ALA	N-CA-C	-5.42	99.25	110.80
2	22-C	44	ALA	N-CA-C	-5.42	99.25	110.80
3	1-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	2-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	3-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	4-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	5-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	6-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	7-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	8-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	9-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	10-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	11-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	12-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	13-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	14-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	15-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	16-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	17-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	18-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	19-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	20-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	21-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	22-M	196	PHE	CA-CB-CG	-5.42	108.38	113.80
3	1-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	2-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	3-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	4-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	5-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	6-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	7-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	8-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	9-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	10-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	11-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	12-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	13-M	305	ILE	CB-CA-C	-5.41	103.76	111.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	14-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	15-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	16-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	17-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	18-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	19-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	20-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	21-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
3	22-M	305	ILE	CB-CA-C	-5.41	103.76	111.34
1	1-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	2-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	3-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	4-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	5-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	6-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	7-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	8-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	9-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	10-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	11-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	12-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	13-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	14-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	15-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	16-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	17-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	18-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	19-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	20-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	21-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
1	22-B	61	ASN	OD1-CG-ND2	-5.40	117.20	122.60
3	1-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	2-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	3-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	4-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	5-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	6-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	7-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	8-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	9-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	10-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	11-M	671	PHE	N-CA-C	5.39	118.59	109.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	13-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	14-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	15-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	16-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	17-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	18-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	19-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	20-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	21-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	22-M	671	PHE	N-CA-C	5.39	118.59	109.76
3	1-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	2-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	3-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	4-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	5-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	6-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	7-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	8-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	9-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	10-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	11-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	12-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	13-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	14-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	15-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	16-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	17-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	18-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	19-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	20-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	21-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	22-M	22	LYS	CB-CA-C	5.38	118.72	109.15
3	1-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	2-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	3-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	4-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	5-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	6-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	7-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	8-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	9-M	173	GLN	N-CA-CB	-5.36	103.00	111.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	11-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	12-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	13-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	14-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	15-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	16-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	17-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	18-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	19-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	20-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	21-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
3	22-M	173	GLN	N-CA-CB	-5.36	103.00	111.05
2	1-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	2-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	3-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	4-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	5-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	6-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	7-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	8-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	9-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	10-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	11-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	12-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	13-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	14-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	15-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	16-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	17-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	18-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	19-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	20-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	21-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	22-C	105	ALA	N-CA-C	5.36	117.82	111.33
2	1-C	54	SER	N-CA-C	5.35	117.55	111.02
2	2-C	54	SER	N-CA-C	5.35	117.55	111.02
2	3-C	54	SER	N-CA-C	5.35	117.55	111.02
2	4-C	54	SER	N-CA-C	5.35	117.55	111.02
2	5-C	54	SER	N-CA-C	5.35	117.55	111.02
2	6-C	54	SER	N-CA-C	5.35	117.55	111.02
2	7-C	54	SER	N-CA-C	5.35	117.55	111.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	8-C	54	SER	N-CA-C	5.35	117.55	111.02
2	9-C	54	SER	N-CA-C	5.35	117.55	111.02
2	10-C	54	SER	N-CA-C	5.35	117.55	111.02
2	11-C	54	SER	N-CA-C	5.35	117.55	111.02
2	12-C	54	SER	N-CA-C	5.35	117.55	111.02
2	13-C	54	SER	N-CA-C	5.35	117.55	111.02
2	14-C	54	SER	N-CA-C	5.35	117.55	111.02
2	15-C	54	SER	N-CA-C	5.35	117.55	111.02
2	16-C	54	SER	N-CA-C	5.35	117.55	111.02
2	17-C	54	SER	N-CA-C	5.35	117.55	111.02
2	18-C	54	SER	N-CA-C	5.35	117.55	111.02
2	19-C	54	SER	N-CA-C	5.35	117.55	111.02
2	20-C	54	SER	N-CA-C	5.35	117.55	111.02
2	21-C	54	SER	N-CA-C	5.35	117.55	111.02
2	22-C	54	SER	N-CA-C	5.35	117.55	111.02
2	1-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	2-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	3-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	4-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	5-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	6-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	7-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	8-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	9-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	10-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	11-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	12-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	13-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	14-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	15-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	16-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	17-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	18-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	19-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	20-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	21-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
2	22-C	49	ILE	CA-CB-CG1	-5.34	101.32	110.40
3	1-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	2-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	3-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	4-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	5-M	235	ALA	N-CA-CB	-5.33	103.24	111.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	7-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	8-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	9-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	10-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	11-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	12-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	13-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	14-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	15-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	16-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	17-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	18-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	19-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	20-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	21-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	22-M	235	ALA	N-CA-CB	-5.33	103.24	111.46
3	1-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	2-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	3-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	4-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	5-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	6-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	7-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	8-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	9-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	10-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	11-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	12-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	13-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	14-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	15-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	16-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	17-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	18-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	19-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	20-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	21-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	22-M	564	ASN	CA-CB-CG	-5.33	107.27	112.60
3	1-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	2-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	3-M	329	GLU	CA-C-O	5.32	126.06	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	5-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	6-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	7-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	8-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	9-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	10-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	11-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	12-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	13-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	14-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	15-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	16-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	17-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	18-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	19-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	20-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	21-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	22-M	329	GLU	CA-C-O	5.32	126.06	120.42
3	1-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	2-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	3-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	4-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	5-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	6-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	7-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	8-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	9-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	10-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	11-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	12-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	13-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	14-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	15-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	16-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	17-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	18-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	19-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	20-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	21-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	22-M	447	GLN	CB-CA-C	5.32	119.61	110.79
3	1-M	291	ILE	CB-CA-C	-5.31	105.08	112.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	3-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	4-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	5-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	6-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	7-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	8-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	9-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	10-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	11-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	12-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	13-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	14-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	15-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	16-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	17-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	18-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	19-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	20-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	21-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
3	22-M	291	ILE	CB-CA-C	-5.31	105.08	112.04
1	1-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	2-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	3-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	4-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	5-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	6-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	7-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	8-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	9-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	10-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	11-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	12-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	13-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	14-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	15-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	16-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	17-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	18-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	19-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	20-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
1	21-B	80	PHE	CB-CA-C	-5.28	102.53	110.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-B	80	PHE	CB-CA-C	-5.28	102.53	110.92
3	1-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	1-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	2-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	2-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	3-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	3-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	4-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	4-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	5-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	5-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	6-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	6-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	7-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	7-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	8-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	8-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	9-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	9-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	10-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	10-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	11-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	11-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	12-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	12-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	13-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	13-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	14-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	14-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	15-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	15-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	16-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	16-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	17-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	17-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	18-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	18-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	19-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	19-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	20-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	20-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	21-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	21-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
3	22-M	267	THR	OG1-CB-CG2	5.25	119.80	109.30
3	22-M	401	LEU	CD1-CG-CD2	-5.25	99.25	110.80
2	1-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	1-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	2-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	2-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	3-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	3-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	4-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	4-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	5-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	5-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	6-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	6-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	7-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	7-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	8-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	8-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	9-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	9-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	10-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	10-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	11-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	11-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	12-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	12-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	13-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	13-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	14-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	14-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	15-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	15-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	16-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	16-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	17-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	17-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	18-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	18-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	19-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	19-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	20-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	21-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	21-M	248	LYS	N-CA-C	5.25	117.05	108.76
2	22-C	137	ILE	CA-CB-CG1	5.25	119.32	110.40
3	22-M	248	LYS	N-CA-C	5.25	117.05	108.76
3	1-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	1-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	1-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	2-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	2-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	2-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	3-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	3-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	3-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	4-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	4-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	4-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	5-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	5-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	5-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	6-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	6-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	6-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	7-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	7-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	7-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	8-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	8-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	8-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	9-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	9-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	9-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	10-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	10-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	10-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	11-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	11-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	11-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	12-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	12-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	12-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	13-M	592	ILE	N-CA-CB	-5.24	102.59	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	13-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	13-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	14-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	14-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	14-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	15-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	15-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	15-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	16-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	16-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	16-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	17-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	17-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	17-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	18-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	18-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	18-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	19-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	19-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	19-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	20-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	20-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	20-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	21-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	21-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	21-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	22-M	592	ILE	N-CA-CB	-5.24	102.59	111.23
3	22-M	654	ARG	CA-C-N	5.24	127.30	120.28
3	22-M	654	ARG	C-N-CA	5.24	127.30	120.28
3	1-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	2-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	3-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	4-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	5-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	6-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	7-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	8-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	9-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	10-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	11-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	12-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	13-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	14-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	15-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	16-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	17-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	18-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	19-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	20-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	21-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
3	22-M	720	PHE	CA-CB-CG	-5.23	108.57	113.80
1	1-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	1-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	2-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	2-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	3-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	3-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	4-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	4-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	5-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	5-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	6-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	6-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	7-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	7-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	8-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	8-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	9-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	9-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	10-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	10-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	11-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	11-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	12-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	12-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	13-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	13-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	14-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	14-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	15-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	15-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	16-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	16-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	17-B	106	PRO	CA-C-N	5.23	127.81	120.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	17-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	18-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	18-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	19-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	19-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	20-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	20-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	21-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	21-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	22-B	106	PRO	CA-C-N	5.23	127.81	120.28
1	22-B	106	PRO	C-N-CA	5.23	127.81	120.28
1	1-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	1-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	2-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	2-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	3-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	3-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	4-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	4-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	5-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	5-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	6-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	6-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	7-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	7-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	8-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	8-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	9-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	9-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	10-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	10-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	11-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	11-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	12-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	12-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	13-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	13-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	14-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	14-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	15-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	15-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	16-B	127	ARG	N-CA-C	5.22	121.92	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	16-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	17-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	17-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	18-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	18-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	19-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	19-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	20-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	20-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	21-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	21-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
1	22-B	127	ARG	N-CA-C	5.22	121.92	110.80
2	22-C	137	ILE	CA-CB-CG2	-5.22	101.62	110.50
3	1-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	2-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	3-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	4-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	5-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	6-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	7-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	8-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	9-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	10-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	11-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	12-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	13-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	14-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	15-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	16-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	17-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	18-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	19-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	20-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	21-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	22-M	669	PRO	N-CA-CB	5.22	107.97	103.27
3	1-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	2-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	3-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	4-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	5-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	6-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	7-M	832	MET	N-CA-CB	5.22	118.33	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	8-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	9-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	10-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	11-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	12-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	13-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	14-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	15-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	16-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	17-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	18-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	19-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	20-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	21-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	22-M	832	MET	N-CA-CB	5.22	118.33	110.30
3	1-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	2-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	3-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	4-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	5-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	6-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	7-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	8-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	9-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	10-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	11-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	12-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	13-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	14-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	15-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	16-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	17-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	18-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	19-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	20-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	21-M	295	LYS	CA-C-O	5.21	125.78	119.31
3	22-M	295	LYS	CA-C-O	5.21	125.78	119.31
2	1-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	2-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	3-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	4-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	5-C	139	TYR	N-CA-C	5.20	121.87	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	7-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	8-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	9-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	10-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	11-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	12-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	13-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	14-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	15-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	16-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	17-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	18-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	19-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	20-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	21-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	22-C	139	TYR	N-CA-C	5.20	121.87	110.80
2	1-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	2-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	3-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	4-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	5-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	6-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	7-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	8-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	9-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	10-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	11-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	12-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	13-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	14-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	15-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	16-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	17-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	18-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	19-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	20-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	21-C	76	ALA	N-CA-C	5.19	117.61	111.33
2	22-C	76	ALA	N-CA-C	5.19	117.61	111.33
3	1-M	157	SER	O-C-N	5.19	127.70	122.09
3	2-M	157	SER	O-C-N	5.19	127.70	122.09
3	3-M	157	SER	O-C-N	5.19	127.70	122.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	157	SER	O-C-N	5.19	127.70	122.09
3	5-M	157	SER	O-C-N	5.19	127.70	122.09
3	6-M	157	SER	O-C-N	5.19	127.70	122.09
3	7-M	157	SER	O-C-N	5.19	127.70	122.09
3	8-M	157	SER	O-C-N	5.19	127.70	122.09
3	9-M	157	SER	O-C-N	5.19	127.70	122.09
3	10-M	157	SER	O-C-N	5.19	127.70	122.09
3	11-M	157	SER	O-C-N	5.19	127.70	122.09
3	12-M	157	SER	O-C-N	5.19	127.70	122.09
3	13-M	157	SER	O-C-N	5.19	127.70	122.09
3	14-M	157	SER	O-C-N	5.19	127.70	122.09
3	15-M	157	SER	O-C-N	5.19	127.70	122.09
3	16-M	157	SER	O-C-N	5.19	127.70	122.09
3	17-M	157	SER	O-C-N	5.19	127.70	122.09
3	18-M	157	SER	O-C-N	5.19	127.70	122.09
3	19-M	157	SER	O-C-N	5.19	127.70	122.09
3	20-M	157	SER	O-C-N	5.19	127.70	122.09
3	21-M	157	SER	O-C-N	5.19	127.70	122.09
3	22-M	157	SER	O-C-N	5.19	127.70	122.09
3	1-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	2-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	3-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	4-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	5-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	6-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	7-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	8-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	9-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	10-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	11-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	12-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	13-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	14-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	15-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	16-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	17-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	18-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	19-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	20-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	21-M	201	ALA	N-CA-C	5.19	118.68	109.96
3	22-M	201	ALA	N-CA-C	5.19	118.68	109.96
2	1-C	35	ARG	N-CA-C	5.18	117.01	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	2-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	3-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	4-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	5-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	6-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	7-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	8-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	9-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	10-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	11-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	12-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	13-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	14-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	15-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	16-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	17-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	18-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	19-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	20-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	21-C	35	ARG	N-CA-C	5.18	117.01	111.36
2	22-C	35	ARG	N-CA-C	5.18	117.01	111.36
3	1-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	2-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	3-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	4-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	5-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	6-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	7-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	8-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	9-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	10-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	11-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	12-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	13-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	14-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	15-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	16-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	17-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	18-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	19-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	20-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
3	21-M	368	GLN	CB-CA-C	-5.18	101.61	109.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	22-M	368	GLN	CB-CA-C	-5.18	101.61	109.89
2	1-C	148	SER	N-CA-C	5.17	121.81	110.80
2	2-C	148	SER	N-CA-C	5.17	121.81	110.80
2	3-C	148	SER	N-CA-C	5.17	121.81	110.80
2	4-C	148	SER	N-CA-C	5.17	121.81	110.80
2	5-C	148	SER	N-CA-C	5.17	121.81	110.80
2	6-C	148	SER	N-CA-C	5.17	121.81	110.80
2	7-C	148	SER	N-CA-C	5.17	121.81	110.80
2	8-C	148	SER	N-CA-C	5.17	121.81	110.80
2	9-C	148	SER	N-CA-C	5.17	121.81	110.80
2	10-C	148	SER	N-CA-C	5.17	121.81	110.80
2	11-C	148	SER	N-CA-C	5.17	121.81	110.80
2	12-C	148	SER	N-CA-C	5.17	121.81	110.80
2	13-C	148	SER	N-CA-C	5.17	121.81	110.80
2	14-C	148	SER	N-CA-C	5.17	121.81	110.80
2	15-C	148	SER	N-CA-C	5.17	121.81	110.80
2	16-C	148	SER	N-CA-C	5.17	121.81	110.80
2	17-C	148	SER	N-CA-C	5.17	121.81	110.80
2	18-C	148	SER	N-CA-C	5.17	121.81	110.80
2	19-C	148	SER	N-CA-C	5.17	121.81	110.80
2	20-C	148	SER	N-CA-C	5.17	121.81	110.80
2	21-C	148	SER	N-CA-C	5.17	121.81	110.80
2	22-C	148	SER	N-CA-C	5.17	121.81	110.80
1	1-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	2-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	3-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	4-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	5-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	6-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	7-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	8-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	9-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	10-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	11-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	12-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	13-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	14-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	15-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	16-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	17-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	18-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	19-B	140	PHE	N-CA-C	-5.16	99.86	108.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	20-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	21-B	140	PHE	N-CA-C	-5.16	99.86	108.94
1	22-B	140	PHE	N-CA-C	-5.16	99.86	108.94
3	1-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	2-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	3-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	4-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	5-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	6-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	7-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	8-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	9-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	10-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	11-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	12-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	13-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	14-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	15-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	16-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	17-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	18-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	19-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	20-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	21-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	22-M	772	LEU	N-CA-C	-5.15	105.16	111.75
3	1-M	528	LYS	O-C-N	5.14	127.33	121.31
3	2-M	528	LYS	O-C-N	5.14	127.33	121.31
3	3-M	528	LYS	O-C-N	5.14	127.33	121.31
3	4-M	528	LYS	O-C-N	5.14	127.33	121.31
3	5-M	528	LYS	O-C-N	5.14	127.33	121.31
3	6-M	528	LYS	O-C-N	5.14	127.33	121.31
3	7-M	528	LYS	O-C-N	5.14	127.33	121.31
3	8-M	528	LYS	O-C-N	5.14	127.33	121.31
3	9-M	528	LYS	O-C-N	5.14	127.33	121.31
3	10-M	528	LYS	O-C-N	5.14	127.33	121.31
3	11-M	528	LYS	O-C-N	5.14	127.33	121.31
3	12-M	528	LYS	O-C-N	5.14	127.33	121.31
3	13-M	528	LYS	O-C-N	5.14	127.33	121.31
3	14-M	528	LYS	O-C-N	5.14	127.33	121.31
3	15-M	528	LYS	O-C-N	5.14	127.33	121.31
3	16-M	528	LYS	O-C-N	5.14	127.33	121.31
3	17-M	528	LYS	O-C-N	5.14	127.33	121.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	18-M	528	LYS	O-C-N	5.14	127.33	121.31
3	19-M	528	LYS	O-C-N	5.14	127.33	121.31
3	20-M	528	LYS	O-C-N	5.14	127.33	121.31
3	21-M	528	LYS	O-C-N	5.14	127.33	121.31
3	22-M	528	LYS	O-C-N	5.14	127.33	121.31
2	1-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	2-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	3-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	4-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	5-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	6-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	7-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	8-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	9-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	10-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	11-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	12-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	13-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	14-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	15-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	16-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	17-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	18-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	19-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	20-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	21-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
2	22-C	99	ASN	CB-CG-ND2	5.14	124.11	116.40
3	1-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	2-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	3-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	4-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	5-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	6-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	7-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	8-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	9-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	10-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	11-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	12-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	13-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	14-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	15-M	652	LEU	CB-CA-C	-5.13	102.39	110.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	16-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	17-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	18-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	19-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	20-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	21-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
3	22-M	652	LEU	CB-CA-C	-5.13	102.39	110.86
2	1-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	2-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	3-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	4-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	5-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	6-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	7-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	8-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	9-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	10-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	11-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	12-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	13-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	14-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	15-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	16-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	17-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	18-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	19-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	20-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	21-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	22-C	5	ASP	N-CA-CB	-5.12	101.80	110.50
2	1-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	1-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	2-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	2-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	3-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	3-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	4-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	4-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	5-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	5-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	6-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	6-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	7-C	95	ASP	O-C-N	-5.12	115.78	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	7-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	8-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	8-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	9-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	9-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	10-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	10-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	11-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	11-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	12-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	12-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	13-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	13-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	14-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	14-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	15-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	15-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	16-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	16-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	17-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	17-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	18-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	18-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	19-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	19-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	20-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	20-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	21-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	21-M	764	LYS	N-CA-C	5.12	115.92	108.14
2	22-C	95	ASP	O-C-N	-5.12	115.78	122.59
3	22-M	764	LYS	N-CA-C	5.12	115.92	108.14
3	1-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	2-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	3-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	4-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	5-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	6-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	7-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	8-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	9-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	10-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	11-M	138	LYS	N-CA-C	-5.11	107.18	113.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	13-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	14-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	15-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	16-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	17-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	18-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	19-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	20-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	21-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	22-M	138	LYS	N-CA-C	-5.11	107.18	113.41
3	1-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	2-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	3-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	4-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	5-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	6-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	7-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	8-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	9-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	10-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	11-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	12-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	13-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	14-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	15-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	16-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	17-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	18-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	19-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	20-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	21-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
3	22-M	38	VAL	N-CA-CB	-5.11	102.80	111.23
1	1-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	2-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	3-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	4-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	5-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	6-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	7-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	8-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	9-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	11-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	12-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	13-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	14-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	15-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	16-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	17-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	18-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	19-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	20-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	21-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
1	22-B	137	TRP	CB-CG-CD1	-5.10	119.26	126.90
3	1-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	2-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	3-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	4-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	5-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	6-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	7-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	8-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	9-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	10-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	11-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	12-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	13-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	14-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	15-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	16-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	17-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	18-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	19-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	20-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	21-M	663	ASN	N-CA-C	-5.09	105.92	111.82
3	22-M	663	ASN	N-CA-C	-5.09	105.92	111.82
2	1-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	2-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	3-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	4-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	5-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	6-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	7-C	7	ILE	O-C-N	-5.09	116.21	122.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	8-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	9-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	10-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	11-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	12-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	13-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	14-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	15-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	16-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	17-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	18-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	19-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	20-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	21-C	7	ILE	O-C-N	-5.09	116.21	122.57
2	22-C	7	ILE	O-C-N	-5.09	116.21	122.57
1	1-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	2-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	3-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	4-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	5-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	6-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	7-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	8-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	9-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	10-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	11-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	12-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	13-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	14-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	15-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	16-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	17-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	18-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	19-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	20-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	21-B	59	VAL	N-CA-C	5.08	115.55	108.84
1	22-B	59	VAL	N-CA-C	5.08	115.55	108.84
2	1-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	2-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	3-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	4-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	5-C	138	ASN	N-CA-C	5.08	117.43	107.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	6-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	7-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	8-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	9-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	10-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	11-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	12-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	13-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	14-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	15-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	16-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	17-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	18-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	19-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	20-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	21-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	22-C	138	ASN	N-CA-C	5.08	117.43	107.57
2	1-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	1-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	2-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	2-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	3-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	3-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	4-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	4-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	5-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	5-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	6-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	6-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	7-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	7-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	8-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	8-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	9-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	9-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	10-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	10-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	11-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	11-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	12-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	12-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	13-C	67	GLU	N-CA-CB	-5.05	104.18	110.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	13-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	14-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	14-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	15-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	15-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	16-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	16-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	17-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	17-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	18-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	18-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	19-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	19-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	20-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	20-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	21-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	21-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	22-C	67	GLU	N-CA-CB	-5.05	104.18	110.90
3	22-M	254	PHE	CA-CB-CG	-5.05	108.75	113.80
2	1-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	2-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	3-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	4-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	5-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	6-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	7-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	8-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	9-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	10-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	11-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	12-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	13-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	14-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	15-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	16-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	17-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	18-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	19-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	20-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	21-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
2	22-C	63	ILE	CB-CG1-CD1	-5.04	103.21	113.80
3	1-M	116	TYR	CB-CA-C	-5.04	102.58	110.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	3-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	4-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	5-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	6-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	7-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	8-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	9-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	10-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	11-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	12-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	13-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	14-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	15-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	16-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	17-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	18-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	19-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	20-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	21-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
3	22-M	116	TYR	CB-CA-C	-5.04	102.58	110.79
1	1-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	2-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	3-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	4-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	5-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	6-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	7-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	8-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	9-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	10-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	11-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	12-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	13-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	14-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	15-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	16-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	17-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	18-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	19-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	20-B	18	MET	N-CA-C	-5.04	100.08	110.80
1	21-B	18	MET	N-CA-C	-5.04	100.08	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-B	18	MET	N-CA-C	-5.04	100.08	110.80
3	1-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	2-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	3-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	4-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	5-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	6-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	7-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	8-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	9-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	10-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	11-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	12-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	13-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	14-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	15-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	16-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	17-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	18-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	19-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	20-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	21-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	22-M	332	MET	CG-SD-CE	-5.03	89.83	100.90
3	1-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	2-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	3-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	4-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	5-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	6-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	7-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	8-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	9-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	10-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	11-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	12-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	13-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	14-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	15-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	16-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	17-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	18-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	19-M	76	GLN	CA-C-O	5.03	125.11	119.18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	20-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	21-M	76	GLN	CA-C-O	5.03	125.11	119.18
3	22-M	76	GLN	CA-C-O	5.03	125.11	119.18
1	1-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	2-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	3-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	4-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	5-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	6-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	7-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	8-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	9-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	10-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	11-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	12-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	13-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	14-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	15-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	16-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	17-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	18-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	19-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	20-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	21-B	91	ALA	N-CA-C	5.03	116.59	108.34
1	22-B	91	ALA	N-CA-C	5.03	116.59	108.34
3	1-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	2-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	3-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	4-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	5-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	6-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	7-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	8-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	9-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	10-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	11-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	12-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	13-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	14-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	15-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	16-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	17-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	18-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	19-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	20-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	21-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	22-M	165	PHE	CA-CB-CG	-5.03	108.77	113.80
3	1-M	221	GLN	O-C-N	5.03	127.32	122.09
3	2-M	221	GLN	O-C-N	5.03	127.32	122.09
3	3-M	221	GLN	O-C-N	5.03	127.32	122.09
3	4-M	221	GLN	O-C-N	5.03	127.32	122.09
3	5-M	221	GLN	O-C-N	5.03	127.32	122.09
3	6-M	221	GLN	O-C-N	5.03	127.32	122.09
3	7-M	221	GLN	O-C-N	5.03	127.32	122.09
3	8-M	221	GLN	O-C-N	5.03	127.32	122.09
3	9-M	221	GLN	O-C-N	5.03	127.32	122.09
3	10-M	221	GLN	O-C-N	5.03	127.32	122.09
3	11-M	221	GLN	O-C-N	5.03	127.32	122.09
3	12-M	221	GLN	O-C-N	5.03	127.32	122.09
3	13-M	221	GLN	O-C-N	5.03	127.32	122.09
3	14-M	221	GLN	O-C-N	5.03	127.32	122.09
3	15-M	221	GLN	O-C-N	5.03	127.32	122.09
3	16-M	221	GLN	O-C-N	5.03	127.32	122.09
3	17-M	221	GLN	O-C-N	5.03	127.32	122.09
3	18-M	221	GLN	O-C-N	5.03	127.32	122.09
3	19-M	221	GLN	O-C-N	5.03	127.32	122.09
3	20-M	221	GLN	O-C-N	5.03	127.32	122.09
3	21-M	221	GLN	O-C-N	5.03	127.32	122.09
3	22-M	221	GLN	O-C-N	5.03	127.32	122.09
2	1-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	1-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	2-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	2-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	3-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	3-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	4-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	4-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	5-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	5-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	6-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	6-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	7-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	7-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	8-C	40	ASN	C-N-CD	-5.02	104.43	125.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	8-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	9-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	9-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	10-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	10-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	11-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	11-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	12-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	12-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	13-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	13-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	14-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	14-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	15-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	15-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	16-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	16-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	17-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	17-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	18-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	18-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	19-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	19-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	20-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	20-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	21-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	21-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
2	22-C	40	ASN	C-N-CD	-5.02	104.43	125.00
3	22-M	424	ASN	CA-CB-CG	5.02	117.62	112.60
3	1-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	2-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	3-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	4-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	5-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	6-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	7-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	8-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	9-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	10-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	11-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	12-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	13-M	513	ILE	N-CA-CB	-5.01	101.72	110.49

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	14-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	15-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	16-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	17-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	18-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	19-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	20-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	21-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	22-M	513	ILE	N-CA-CB	-5.01	101.72	110.49
3	1-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	2-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	3-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	4-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	5-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	6-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	7-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	8-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	9-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	10-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	11-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	12-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	13-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	14-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	15-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	16-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	17-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	18-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	19-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	20-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	21-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	22-M	826	VAL	N-CA-C	5.01	115.24	110.53
3	1-M	322	VAL	O-C-N	5.01	125.50	120.59
3	1-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	2-M	322	VAL	O-C-N	5.01	125.50	120.59
3	2-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	3-M	322	VAL	O-C-N	5.01	125.50	120.59
3	3-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	4-M	322	VAL	O-C-N	5.01	125.50	120.59
3	4-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	5-M	322	VAL	O-C-N	5.01	125.50	120.59
3	5-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	6-M	322	VAL	O-C-N	5.01	125.50	120.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	7-M	322	VAL	O-C-N	5.01	125.50	120.59
3	7-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	8-M	322	VAL	O-C-N	5.01	125.50	120.59
3	8-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	9-M	322	VAL	O-C-N	5.01	125.50	120.59
3	9-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	10-M	322	VAL	O-C-N	5.01	125.50	120.59
3	10-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	11-M	322	VAL	O-C-N	5.01	125.50	120.59
3	11-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	12-M	322	VAL	O-C-N	5.01	125.50	120.59
3	12-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	13-M	322	VAL	O-C-N	5.01	125.50	120.59
3	13-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	14-M	322	VAL	O-C-N	5.01	125.50	120.59
3	14-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	15-M	322	VAL	O-C-N	5.01	125.50	120.59
3	15-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	16-M	322	VAL	O-C-N	5.01	125.50	120.59
3	16-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	17-M	322	VAL	O-C-N	5.01	125.50	120.59
3	17-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	18-M	322	VAL	O-C-N	5.01	125.50	120.59
3	18-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	19-M	322	VAL	O-C-N	5.01	125.50	120.59
3	19-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	20-M	322	VAL	O-C-N	5.01	125.50	120.59
3	20-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	21-M	322	VAL	O-C-N	5.01	125.50	120.59
3	21-M	511	GLU	N-CA-CB	5.01	118.76	110.69
3	22-M	322	VAL	O-C-N	5.01	125.50	120.59
3	22-M	511	GLU	N-CA-CB	5.01	118.76	110.69
1	1-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	2-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	3-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	4-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	5-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	6-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	7-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	8-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	9-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	11-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	12-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	13-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	14-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	15-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	16-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	17-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	18-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	19-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	20-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	21-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
1	22-B	147	ASN	CB-CG-ND2	5.01	123.91	116.40
3	1-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	2-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	3-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	4-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	5-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	6-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	7-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	8-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	9-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	10-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	11-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	12-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	13-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	14-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	15-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	16-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	17-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	18-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	19-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	20-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	21-M	172	ASN	N-CA-CB	5.01	118.06	110.45
3	22-M	172	ASN	N-CA-CB	5.01	118.06	110.45
1	1-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	2-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	3-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	4-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	5-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	6-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	7-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	8-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	9-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	10-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	11-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	12-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	13-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	14-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	15-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	16-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	17-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	18-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	19-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	20-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	21-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
1	22-B	137	TRP	CE2-CD2-CG	-5.01	101.19	107.20
3	1-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	2-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	3-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	4-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	5-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	6-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	7-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	8-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	9-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	10-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	11-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	12-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	13-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	14-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	15-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	16-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	17-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	18-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	19-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	20-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	21-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	22-M	621	LEU	N-CA-C	5.00	116.43	110.97
3	1-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	2-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	3-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	4-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	5-M	332	MET	CB-CA-C	-5.00	102.35	110.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	7-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	8-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	9-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	10-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	11-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	12-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	13-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	14-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	15-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	16-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	17-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	18-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	19-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	20-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	21-M	332	MET	CB-CA-C	-5.00	102.35	110.85
3	22-M	332	MET	CB-CA-C	-5.00	102.35	110.85

There are no chirality outliers.

All (114) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	1-B	105	ASP	Peptide
1	1-B	127	ARG	Peptide
1	1-B	140	PHE	Peptide
1	1-B	141	PRO	Peptide
3	1-M	98	HIS	Mainchain
1	10-B	105	ASP	Peptide
1	10-B	127	ARG	Peptide
1	10-B	140	PHE	Peptide
1	10-B	141	PRO	Peptide
3	10-M	98	HIS	Mainchain
1	11-B	105	ASP	Peptide
1	11-B	127	ARG	Peptide
1	11-B	140	PHE	Peptide
1	11-B	141	PRO	Peptide
3	11-M	98	HIS	Mainchain
1	12-B	105	ASP	Peptide
1	12-B	127	ARG	Peptide
1	12-B	140	PHE	Peptide
1	12-B	141	PRO	Peptide
3	12-M	98	HIS	Mainchain

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Mol	Chain	Res	Type	Group
1	13-B	105	ASP	Peptide
1	13-B	127	ARG	Peptide
1	13-B	140	PHE	Peptide
1	13-B	141	PRO	Peptide
3	13-M	98	HIS	Mainchain
1	14-B	105	ASP	Peptide
1	14-B	127	ARG	Peptide
1	14-B	140	PHE	Peptide
1	14-B	141	PRO	Peptide
3	14-M	98	HIS	Mainchain
1	15-B	105	ASP	Peptide
1	15-B	127	ARG	Peptide
1	15-B	140	PHE	Peptide
1	15-B	141	PRO	Peptide
3	15-M	98	HIS	Mainchain
1	16-B	105	ASP	Peptide
1	16-B	127	ARG	Peptide
1	16-B	140	PHE	Peptide
1	16-B	141	PRO	Peptide
3	16-M	779	ARG	Mainchain
3	16-M	98	HIS	Mainchain
1	17-B	105	ASP	Peptide
1	17-B	127	ARG	Peptide
1	17-B	140	PHE	Peptide
1	17-B	141	PRO	Peptide
3	17-M	98	HIS	Mainchain
1	18-B	105	ASP	Peptide
1	18-B	127	ARG	Peptide
1	18-B	140	PHE	Peptide
1	18-B	141	PRO	Peptide
3	18-M	98	HIS	Mainchain
1	19-B	105	ASP	Peptide
1	19-B	127	ARG	Peptide
1	19-B	140	PHE	Peptide
1	19-B	141	PRO	Peptide
3	19-M	805	ARG	Peptide,Mainchain
3	19-M	98	HIS	Mainchain
1	2-B	105	ASP	Peptide
1	2-B	127	ARG	Peptide
1	2-B	140	PHE	Peptide
1	2-B	141	PRO	Peptide
3	2-M	98	HIS	Mainchain

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Mol	Chain	Res	Type	Group
1	20-B	105	ASP	Peptide
1	20-B	127	ARG	Peptide
1	20-B	140	PHE	Peptide
1	20-B	141	PRO	Peptide
3	20-M	98	HIS	Mainchain
1	21-B	105	ASP	Peptide
1	21-B	127	ARG	Peptide
1	21-B	140	PHE	Peptide
1	21-B	141	PRO	Peptide
3	21-M	98	HIS	Mainchain
1	22-B	105	ASP	Peptide
1	22-B	127	ARG	Peptide
1	22-B	140	PHE	Peptide
1	22-B	141	PRO	Peptide
3	22-M	98	HIS	Mainchain
1	3-B	105	ASP	Peptide
1	3-B	127	ARG	Peptide
1	3-B	140	PHE	Peptide
1	3-B	141	PRO	Peptide
3	3-M	805	ARG	Mainchain
3	3-M	98	HIS	Mainchain
1	4-B	105	ASP	Peptide
1	4-B	127	ARG	Peptide
1	4-B	140	PHE	Peptide
1	4-B	141	PRO	Peptide
3	4-M	98	HIS	Mainchain
1	5-B	105	ASP	Peptide
1	5-B	127	ARG	Peptide
1	5-B	140	PHE	Peptide
1	5-B	141	PRO	Peptide
3	5-M	98	HIS	Mainchain
1	6-B	105	ASP	Peptide
1	6-B	127	ARG	Peptide
1	6-B	140	PHE	Peptide
1	6-B	141	PRO	Peptide
3	6-M	98	HIS	Mainchain
1	7-B	105	ASP	Peptide
1	7-B	127	ARG	Peptide
1	7-B	140	PHE	Peptide
1	7-B	141	PRO	Peptide
3	7-M	98	HIS	Mainchain
1	8-B	105	ASP	Peptide

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Mol	Chain	Res	Type	Group
1	8-B	127	ARG	Peptide
1	8-B	140	PHE	Peptide
1	8-B	141	PRO	Peptide
3	8-M	98	HIS	Mainchain
1	9-B	105	ASP	Peptide
1	9-B	127	ARG	Peptide
1	9-B	140	PHE	Peptide
1	9-B	141	PRO	Peptide
3	9-M	98	HIS	Mainchain

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1-B	1177	0	1134	136	0
1	2-B	1177	0	1134	141	0
1	3-B	1177	0	1132	180	0
1	4-B	1177	0	1134	138	0
1	5-B	1177	0	1132	256	0
1	6-B	1177	0	1134	140	0
1	7-B	1177	0	1134	144	0
1	8-B	1177	0	1134	137	0
1	9-B	1177	0	1134	139	0
1	10-B	1177	0	1134	138	0
1	11-B	1177	0	1134	137	0
1	12-B	1177	0	1134	132	0
1	13-B	1177	0	1134	136	0
1	14-B	1177	0	1134	162	0
1	15-B	1177	0	1134	139	0
1	16-B	1177	0	1134	140	0
1	17-B	1177	0	1134	143	0
1	18-B	1177	0	1134	137	0
1	19-B	1177	0	1131	191	0
1	20-B	1177	0	1134	149	0
1	21-B	1177	0	1131	197	0
1	22-B	1177	0	1134	134	0
2	1-C	1126	0	1084	89	0
2	2-C	1126	0	1084	212	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	3-C	1126	0	1082	137	0
2	4-C	1126	0	1084	89	0
2	5-C	1126	0	1077	213	0
2	6-C	1126	0	1084	90	0
2	7-C	1126	0	1084	90	0
2	8-C	1126	0	1084	96	0
2	9-C	1126	0	1084	87	0
2	10-C	1126	0	1084	90	0
2	11-C	1126	0	1084	90	0
2	12-C	1126	0	1072	323	0
2	13-C	1126	0	1084	87	0
2	14-C	1126	0	1080	207	0
2	15-C	1126	0	1084	90	0
2	16-C	1126	0	1084	92	0
2	17-C	1126	0	1084	85	0
2	18-C	1126	0	1084	91	0
2	19-C	1126	0	1079	167	0
2	20-C	1126	0	1084	102	0
2	21-C	1126	0	1082	154	0
2	22-C	1126	0	1084	86	0
3	1-M	6455	0	6382	908	0
3	2-M	6455	0	6379	991	0
3	3-M	6455	0	6378	879	0
3	4-M	6455	0	6382	862	0
3	5-M	6455	0	6375	979	0
3	6-M	6455	0	6376	853	0
3	7-M	6455	0	6383	861	0
3	8-M	6455	0	6382	942	0
3	9-M	6455	0	6383	853	0
3	10-M	6455	0	6379	887	0
3	11-M	6455	0	6379	915	0
3	12-M	6455	0	6372	1102	0
3	13-M	6455	0	6382	895	0
3	14-M	6455	0	6364	1034	0
3	15-M	6455	0	6379	869	0
3	16-M	6455	0	6378	887	0
3	17-M	6455	0	6380	876	0
3	18-M	6455	0	6381	876	0
3	19-M	6455	0	6378	914	0
3	20-M	6455	0	6381	869	0
3	21-M	6455	0	6380	867	0
3	22-M	6455	0	6382	860	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
All	All	192676	0	189089	22520	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 59.

All (22520) 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)
3:M:510:TRP:HZ3	3:M:766:PHE:CE2	1.08	1.71
3:M:508:ILE:HD13	3:M:766:PHE:CE2	1.23	1.66
3:M:510:TRP:CE3	3:M:766:PHE:CD2	1.74	1.65
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	1.33	1.64
3:M:508:ILE:CD1	3:M:714:ARG:HD3	1.16	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:510:TRP:CE3	3:M:766:PHE:HD2	0.92	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.61
3:M:503:TYR:HD1	3:M:766:PHE:CE2	1.15	1.60
3:M:510:TRP:CZ3	3:M:766:PHE:CB	1.81	1.60
3:M:510:TRP:CE3	3:M:766:PHE:HB3	1.13	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:779:ARG:HG3	3:M:783:LEU:CD2	1.28	1.59
1:B:126:ASP:HA	2:C:20:THR:CA	1.15	1.59
2:C:17:PHE:CE2	3:M:806:MET:CE	1.79	1.59
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.58
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.58
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.58
3:M:510:TRP:HA	3:M:766:PHE:CE2	1.39	1.58
3:M:779:ARG:CG	3:M:783:LEU:HD22	1.24	1.58
1:B:120:LEU:CA	2:C:19:ARG:HH12	1.13	1.58
3:M:508:ILE:HD11	3:M:714:ARG:CD	1.17	1.57
1:B:126:ASP:CA	2:C:20:THR:HA	1.33	1.57
3:M:508:ILE:CD1	3:M:714:ARG:HD3	1.21	1.57
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.57
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.57
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.57
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.57
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.57
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.57
1:B:123:THR:CB	2:C:19:ARG:HD3	1.28	1.57
2:C:93:VAL:HA	3:M:725:ARG:CB	1.36	1.56
3:M:508:ILE:HD11	3:M:714:ARG:CD	1.11	1.56
1:B:109:LYS:CD	2:C:131:GLU:HG2	1.26	1.56
2:C:89:GLU:CD	3:M:730:SER:HB3	1.28	1.56
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.56
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.56
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.56
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.56
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.56
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
1:B:123:THR:CG2	2:C:19:ARG:HD3	1.18	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.56
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.55
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.55
3:M:503:TYR:CE1	3:M:714:ARG:NH2	1.73	1.55
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.55
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.55
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.55
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.55
2:C:96:LYS:CE	3:M:725:ARG:HH11	0.97	1.55
3:M:503:TYR:CD1	3:M:766:PHE:CE2	1.94	1.55
2:C:93:VAL:HG23	3:M:729:ALA:CB	1.20	1.54
2:C:93:VAL:CA	3:M:725:ARG:HB3	1.35	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:509:GLU:CG	3:M:764:LYS:HZ2	0.99	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.54
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.54
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53
1:B:109:LYS:HD3	2:C:131:GLU:CG	1.35	1.53
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53
3:M:805:ARG:CA	3:M:809:ARG:H	1.10	1.53
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.53
1:B:124:GLN:HG3	2:C:16:LEU:C	1.33	1.52
3:M:508:ILE:HG22	3:M:714:ARG:CD	1.17	1.52
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.52
2:C:92:ARG:HD2	3:M:732:ILE:CD1	1.35	1.52
1:B:113:LYS:CE	2:C:121:GLU:CB	1.76	1.52
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.51
3:M:510:TRP:CB	3:M:714:ARG:CZ	1.82	1.51
3:M:510:TRP:CZ3	3:M:766:PHE:CE2	1.98	1.51
3:M:804:ARG:HG2	3:M:808:GLU:CD	1.28	1.51
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.51
3:M:779:ARG:CG	3:M:783:LEU:CD1	1.88	1.51
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.51
3:M:508:ILE:CD1	3:M:714:ARG:NH1	1.74	1.51
3:M:503:TYR:CA	3:M:766:PHE:CZ	1.93	1.51
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.50
3:M:508:ILE:HG22	3:M:766:PHE:CG	1.43	1.50
2:C:88:VAL:HG13	3:M:736:GLN:CD	1.31	1.50
1:B:113:LYS:HE3	2:C:121:GLU:CB	1.30	1.50
1:B:123:THR:HB	2:C:19:ARG:CD	1.40	1.50
2:C:17:PHE:CE1	3:M:806:MET:HE1	1.41	1.50
3:M:508:ILE:CD1	3:M:714:ARG:NH1	1.74	1.49
3:M:508:ILE:CG2	3:M:714:ARG:HD2	1.40	1.49
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.49
3:M:510:TRP:HB2	3:M:714:ARG:NH2	1.23	1.49
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.49
3:M:508:ILE:HG22	3:M:766:PHE:CD2	1.48	1.49
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.48
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.48
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.48
3:M:503:TYR:HA	3:M:766:PHE:CZ	0.97	1.48
3:M:779:ARG:CG	3:M:783:LEU:HD13	1.40	1.48
3:M:508:ILE:CD1	3:M:766:PHE:CE2	1.94	1.47
3:M:503:TYR:HB3	3:M:714:ARG:NH1	1.24	1.47
3:M:508:ILE:CD1	3:M:714:ARG:NH1	1.75	1.47
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.47
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:89:GLU:CD	3:M:730:SER:CB	1.84	1.47
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.47
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.46
3:M:503:TYR:HD1	3:M:766:PHE:CE2	1.32	1.46
2:C:88:VAL:CG1	3:M:736:GLN:CD	1.88	1.46
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.46
3:M:508:ILE:HD13	3:M:714:ARG:NH1	1.25	1.46
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.46
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.46
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.45
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.45
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.45
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.45
2:C:93:VAL:C	3:M:725:ARG:HB3	1.41	1.45
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	0.95	1.45
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.30	1.45
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.45
3:M:503:TYR:CB	3:M:714:ARG:NH1	1.76	1.45
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.45
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.31	1.44
2:C:93:VAL:CG2	3:M:729:ALA:HB2	0.98	1.44
1:B:106:PRO:CB	3:M:801:VAL:HG11	1.48	1.44
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
3:M:509:GLU:CG	3:M:764:LYS:NZ	1.78	1.43
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.43
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.43
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.43
3:M:508:ILE:CG2	3:M:714:ARG:HB3	1.22	1.43
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.43
3:M:709:LYS:C	3:M:710:GLY:N	1.74	1.43
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.43
1:B:107:ASP:CB	2:C:126:LEU:HD23	1.48	1.43
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.42
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.42
3:M:510:TRP:CE3	3:M:766:PHE:CB	1.91	1.42
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.42
3:M:510:TRP:CZ3	3:M:766:PHE:CD2	2.06	1.42
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.42
2:C:88:VAL:HG13	3:M:736:GLN:NE2	1.10	1.42
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.42
3:M:805:ARG:C	3:M:806:MET:N	1.73	1.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:107:ASP:HA	3:M:797:PHE:CE2	1.53	1.41
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.11	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.41
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.41
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.08	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
2:C:89:GLU:HG2	3:M:730:SER:CA	1.48	1.41
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.09	1.41
3:M:506:GLU:CB	3:M:764:LYS:HE3	1.50	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.41
2:C:92:ARG:HD3	3:M:732:ILE:CD1	1.51	1.41
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.41
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.41
2:C:85:GLU:O	3:M:732:ILE:CD1	1.68	1.41
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.41
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.41
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.41
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.13	1.41
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.41
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.41
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.40
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.40
2:C:97:GLU:HA	3:M:721:LYS:NZ	1.28	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.40
3:M:510:TRP:HB2	3:M:714:ARG:CZ	1.50	1.40
2:C:96:LYS:NZ	3:M:725:ARG:HD3	1.30	1.40
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.12	1.40
3:M:503:TYR:CD1	3:M:766:PHE:HE2	1.29	1.40
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.40
2:C:96:LYS:HD2	3:M:747:LEU:CG	0.94	1.40
3:M:510:TRP:CB	3:M:714:ARG:CZ	1.98	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.40
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.14	1.39
3:M:709:LYS:C	3:M:710:GLY:N	1.80	1.39
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.39
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.39
3:M:779:ARG:C	3:M:780:ASP:N	1.78	1.39
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
2:C:92:ARG:CD	3:M:721:LYS:HE2	1.50	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.03	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
2:C:98:GLY:O	3:M:738:MET:CE	1.69	1.39
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.14	1.39
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.39
3:M:508:ILE:CD1	3:M:766:PHE:CZ	2.05	1.39
3:M:511:GLU:OE1	3:M:764:LYS:CE	1.68	1.39
3:M:805:ARG:C	3:M:806:MET:N	1.77	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.38
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.38
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.38
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.38
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.38
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.38
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
3:M:779:ARG:HG3	3:M:783:LEU:CD1	1.48	1.38
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.38
3:M:709:LYS:C	3:M:710:GLY:N	1.82	1.38
2:C:94:PHE:CG	3:M:722:GLN:O	1.75	1.38
2:C:96:LYS:HG3	3:M:725:ARG:NE	1.35	1.38
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.38
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.37
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.37
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.37
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
3:M:709:LYS:C	3:M:710:GLY:N	1.81	1.37
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.37
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.37
3:M:510:TRP:HB2	3:M:714:ARG:CZ	0.92	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.37
2:C:89:GLU:CG	3:M:730:SER:CB	2.02	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.37
3:M:804:ARG:CG	3:M:808:GLU:OE2	1.73	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.37
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
2:C:92:ARG:HD3	3:M:721:LYS:CE	1.53	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.37	1.37
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.37
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
2:C:88:VAL:CG1	3:M:736:GLN:OE1	1.70	1.36
2:C:96:LYS:CD	3:M:747:LEU:HG	1.13	1.36
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.13	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
3:M:506:GLU:C	3:M:764:LYS:HE2	1.50	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.36
3:M:804:ARG:O	3:M:808:GLU:CB	1.72	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.37	1.36
2:C:94:PHE:HD2	3:M:723:ARG:C	1.29	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.36
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.36
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.35
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.35
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.35
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.35
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.35
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.35
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.35
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.35
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.35
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.35
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.35
2:C:88:VAL:HG12	3:M:732:ILE:CD1	1.54	1.35
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
2:C:96:LYS:CD	3:M:725:ARG:HG3	1.53	1.35
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.35
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.35
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.35
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.35
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.35
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.35
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.35
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:510:TRP:CZ3	3:M:766:PHE:CB	2.10	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
1:B:109:LYS:HG2	2:C:130:GLN:N	1.40	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:97:GLU:CA	3:M:745:GLU:H	1.34	1.35
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.35
3:M:510:TRP:CD2	3:M:711:PHE:HB2	0.87	1.35
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.45	1.34
3:M:510:TRP:CH2	3:M:711:PHE:CE2	2.13	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
3:M:503:TYR:CD1	3:M:766:PHE:CE2	2.13	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.37	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
3:M:503:TYR:CE1	3:M:714:ARG:NH2	1.95	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.33
2:C:106:GLU:CB	3:M:722:GLN:HB3	1.56	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.46	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
2:C:93:VAL:O	3:M:725:ARG:HB3	1.26	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:124:GLN:HG3	2:C:16:LEU:O	1.23	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.40	1.33
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.33
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.33
2:C:96:LYS:NZ	3:M:729:ALA:HA	1.03	1.33
3:M:508:ILE:CD1	3:M:714:ARG:HH12	1.28	1.33
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
3:M:508:ILE:CG2	3:M:714:ARG:CD	1.93	1.32
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.32
3:M:508:ILE:HG23	3:M:714:ARG:CB	1.20	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.32
2:C:94:PHE:HB3	3:M:722:GLN:C	1.51	1.32
3:M:709:LYS:C	3:M:710:GLY:HA2	1.53	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.32
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.46	1.32
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.32
3:M:506:GLU:CD	3:M:764:LYS:NZ	1.69	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.31
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.31
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.31
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.31
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.31
1:B:123:THR:CB	2:C:19:ARG:CD	1.97	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
2:C:96:LYS:HD2	3:M:725:ARG:CG	1.57	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.31
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.31
3:M:726:VAL:CG1	3:M:786:ILE:HD12	1.58	1.31
3:M:506:GLU:C	3:M:764:LYS:CE	2.01	1.31
3:M:510:TRP:HB2	3:M:714:ARG:CZ	1.61	1.31
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.31
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.31
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.31
3:M:709:LYS:C	3:M:710:GLY:N	1.88	1.31
2:C:89:GLU:CA	3:M:729:ALA:C	1.93	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.31
1:B:107:ASP:CA	3:M:797:PHE:HE2	1.42	1.30
3:M:510:TRP:CD2	3:M:711:PHE:CB	1.80	1.30
1:B:124:GLN:CG	2:C:16:LEU:O	1.78	1.30
1:B:113:LYS:CE	2:C:121:GLU:HB2	0.84	1.30
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.30
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	2.20	1.30
3:M:505:LYS:O	3:M:763:THR:HB	1.31	1.30
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.47	1.30
1:B:120:LEU:HA	2:C:19:ARG:NH1	1.02	1.30
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	1.67	1.30
2:C:93:VAL:CG2	3:M:729:ALA:N	1.95	1.30
3:M:508:ILE:HD13	3:M:714:ARG:NH1	0.99	1.30
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.50	1.30
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
1:B:109:LYS:CG	2:C:130:GLN:H	1.45	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.48	1.29
3:M:503:TYR:CB	3:M:714:ARG:HH12	1.39	1.29
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.29
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.29
2:C:89:GLU:OE1	3:M:730:SER:HB3	1.30	1.29
2:C:96:LYS:CD	3:M:747:LEU:CA	2.02	1.29
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.25	1.29
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.09	1.29
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.29
3:M:510:TRP:CE3	3:M:766:PHE:CD2	1.92	1.29
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.29
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.29
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.29
3:M:804:ARG:CG	3:M:808:GLU:CD	2.03	1.29
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.29
3:M:503:TYR:HA	3:M:766:PHE:CZ	1.66	1.29
2:C:96:LYS:HE2	3:M:725:ARG:NH1	0.99	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
2:C:17:PHE:HZ	3:M:806:MET:SD	1.56	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:726:VAL:O	3:M:786:ILE:HD11	1.21	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:804:ARG:HB3	3:M:808:GLU:OE1	1.28	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:779:ARG:C	3:M:780:ASP:N	1.90	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
2:C:92:ARG:O	3:M:747:LEU:HD12	1.12	1.28
2:C:139:TYR:CE2	3:M:725:ARG:HD2	1.68	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.28
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.28
3:M:805:ARG:HA	3:M:809:ARG:N	0.99	1.28
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.28
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.28
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.28
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.28
3:M:779:ARG:NE	3:M:783:LEU:CD2	1.95	1.28
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.28
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.28
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.28
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:779:ARG:NE	3:M:783:LEU:HD21	1.49	1.28
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.28
2:C:96:LYS:NZ	3:M:729:ALA:CA	1.97	1.28
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.28
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.28
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.28
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.28
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.28
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.28
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:509:GLU:HB2	3:M:764:LYS:O	1.24	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.27
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:107:ASP:HB3	2:C:126:LEU:CD2	1.64	1.27
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
2:C:89:GLU:HA	3:M:729:ALA:C	1.43	1.27
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.26
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.26
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.26
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.26
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.26
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.26
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.26
1:B:125:CYS:O	2:C:18:ASP:CB	1.82	1.26
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
2:C:96:LYS:HZ1	3:M:729:ALA:CA	1.48	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:502:GLU:CG	3:M:714:ARG:HD2	1.65	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	2.24	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.09	1.26
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.26
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.26
2:C:92:ARG:CD	3:M:732:ILE:CD1	2.12	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
2:C:98:GLY:O	3:M:738:MET:HE3	1.13	1.26
2:C:17:PHE:CE2	3:M:806:MET:HE1	1.55	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
2:C:99:ASN:HB2	3:M:739:ASP:N	1.46	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.22	1.26
1:B:123:THR:CG2	2:C:19:ARG:CD	2.12	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
3:M:778:MET:O	3:M:782:LYS:N	1.69	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.25
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.50	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.22	1.25
2:C:96:LYS:HD3	3:M:747:LEU:CA	1.65	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:126:ASP:OD1	2:C:22:ASP:OD1	1.55	1.25
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.25
3:M:802:GLU:O	3:M:806:MET:HG3	1.37	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:502:GLU:CB	3:M:714:ARG:HH11	1.50	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:506:GLU:CB	3:M:764:LYS:CE	2.15	1.24
3:M:506:GLU:CA	3:M:764:LYS:CE	2.14	1.24
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.00	1.24
3:M:804:ARG:O	3:M:808:GLU:CG	1.85	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.19	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:510:TRP:HB2	3:M:714:ARG:NE	1.35	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.23
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.23
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.23
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.23
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.23
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.23
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
3:M:779:ARG:CZ	3:M:783:LEU:CD2	2.16	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.26	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:113:LYS:HZ3	2:C:121:GLU:CA	1.48	1.23
3:M:503:TYR:HE1	3:M:714:ARG:CZ	1.51	1.23
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.25	1.23
3:M:503:TYR:CG	3:M:714:ARG:NH1	2.06	1.23
2:C:89:GLU:OE2	3:M:732:ILE:CA	1.86	1.23
2:C:16:LEU:O	3:M:806:MET:HE1	1.37	1.23
3:M:510:TRP:CE3	3:M:711:PHE:CB	1.89	1.23
3:M:510:TRP:CH2	3:M:766:PHE:HB3	1.73	1.23
3:M:779:ARG:O	3:M:783:LEU:HD13	1.35	1.23
1:B:106:PRO:HG3	3:M:801:VAL:CB	1.68	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
3:M:502:GLU:HB3	3:M:714:ARG:NH1	1.53	1.23
3:M:709:LYS:O	3:M:711:PHE:CD2	1.90	1.23
2:C:92:ARG:CD	3:M:732:ILE:CD1	2.16	1.23
2:C:93:VAL:CG2	3:M:729:ALA:H	1.49	1.23
3:M:508:ILE:CG2	3:M:766:PHE:HB2	1.65	1.23
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.23
1:B:108:GLY:CA	2:C:128:LYS:HB2	1.49	1.22
1:B:109:LYS:NZ	2:C:137:ILE:HG22	1.54	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.22
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.22
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.22
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.16	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
2:C:93:VAL:CA	3:M:747:LEU:HD11	1.67	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.21
2:C:96:LYS:CD	3:M:725:ARG:CG	2.14	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.21
2:C:139:TYR:OH	3:M:722:GLN:CD	1.84	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.21
1:B:108:GLY:O	2:C:126:LEU:C	1.83	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.21
3:M:503:TYR:CA	3:M:766:PHE:HZ	1.37	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
2:C:89:GLU:CG	3:M:730:SER:HB3	1.64	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.21
2:C:89:GLU:OE2	3:M:732:ILE:HA	1.12	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.21
3:M:709:LYS:C	3:M:710:GLY:N	1.98	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.21
3:M:244:SER:HG	3:M:246:PHE:N	1.35	1.21
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.21
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.24	1.21
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.36	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.21
2:C:89:GLU:HA	3:M:729:ALA:O	1.03	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.21
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.01	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
2:C:98:GLY:CA	3:M:742:LYS:HG2	1.69	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
1:B:106:PRO:HB3	3:M:801:VAL:CG1	1.69	1.20
2:C:90:GLY:O	3:M:726:VAL:N	1.75	1.20
2:C:100:GLY:HA3	3:M:736:GLN:CA	1.68	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:510:TRP:HB2	3:M:766:PHE:CD2	1.75	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.20
3:M:779:ARG:O	3:M:783:LEU:HD13	1.39	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.20
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
3:M:510:TRP:CH2	3:M:766:PHE:HB3	1.77	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:709:LYS:O	3:M:710:GLY:O	1.58	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
2:C:100:GLY:CA	3:M:736:GLN:HA	1.72	1.19
3:M:802:GLU:O	3:M:806:MET:HG3	1.38	1.19
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.19
3:M:509:GLU:CD	3:M:764:LYS:HZ2	1.50	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.19
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.19
1:B:106:PRO:CB	3:M:801:VAL:HG21	1.71	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
2:C:94:PHE:CD2	3:M:723:ARG:C	2.21	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.24	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.19
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.19
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
2:C:93:VAL:HG12	3:M:724:TYR:O	1.38	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:508:ILE:HG22	3:M:714:ARG:NH1	1.55	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:709:LYS:C	3:M:710:GLY:C	2.11	1.19
3:M:709:LYS:C	3:M:710:GLY:N	2.01	1.19
2:C:114:LEU:CD1	3:M:779:ARG:HH12	1.56	1.19
3:M:509:GLU:N	3:M:714:ARG:HD2	1.58	1.19
1:B:123:THR:OG1	2:C:19:ARG:CZ	1.89	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.74	1.18
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.18
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.18
2:C:96:LYS:NZ	3:M:725:ARG:HH11	1.41	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.74	1.18
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.74	1.18
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.74	1.18
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.74	1.18
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.74	1.18
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.74	1.18
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.18
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.18
3:M:508:ILE:HG22	3:M:766:PHE:CD2	1.78	1.18
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.18
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.18
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:113:LYS:NZ	2:C:121:GLU:HA	1.56	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:805:ARG:O	3:M:809:ARG:HB2	1.40	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:726:VAL:HG11	3:M:783:LEU:HG	1.26	1.18
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.18
2:C:98:GLY:O	3:M:740:SER:HB2	1.41	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
2:C:16:LEU:CD2	3:M:810:ARG:CZ	2.21	1.18
3:M:503:TYR:HB3	3:M:766:PHE:CE2	1.77	1.18
3:M:779:ARG:C	3:M:780:ASP:N	2.01	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:506:GLU:OE1	3:M:764:LYS:NZ	1.76	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.18
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.18
2:C:17:PHE:CZ	3:M:806:MET:SD	2.37	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:510:TRP:HE3	3:M:714:ARG:NE	1.39	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.31	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
2:C:17:PHE:CE2	3:M:806:MET:HE3	1.53	1.17
1:B:123:THR:HB	2:C:19:ARG:CG	1.73	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.30	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.27	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.17
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.17
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.17
1:B:125:CYS:HB3	2:C:20:THR:N	1.49	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.17
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.30	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:506:GLU:O	3:M:764:LYS:CE	1.89	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:510:TRP:CE3	3:M:711:PHE:HB2	1.55	1.17
3:M:509:GLU:CB	3:M:764:LYS:O	1.90	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
2:C:98:GLY:C	3:M:738:MET:HE3	1.68	1.17
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.16
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.16
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.16
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.16
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.16
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.16
2:C:96:LYS:HZ2	3:M:725:ARG:CD	1.59	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.16
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.27	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
3:M:510:TRP:CH2	3:M:711:PHE:CE2	2.32	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
3:M:709:LYS:C	3:M:710:GLY:N	2.04	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.16
2:C:98:GLY:HA3	3:M:742:LYS:CB	1.65	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:510:TRP:CE3	3:M:712:PRO:O	1.98	1.16
3:M:708:ARG:HG3	3:M:768:LYS:HD2	1.29	1.15
3:M:804:ARG:CB	3:M:808:GLU:OE1	1.94	1.15
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.15
3:M:709:LYS:O	3:M:710:GLY:O	1.61	1.15
2:C:96:LYS:NZ	3:M:725:ARG:CD	2.08	1.15
3:M:805:ARG:C	3:M:806:MET:N	2.03	1.15
2:C:88:VAL:CG1	3:M:736:GLN:NE2	2.02	1.15
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.15
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.15
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.15
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.15
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.15
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.15
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.15
3:M:805:ARG:C	3:M:806:MET:N	2.05	1.15
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.15
3:M:510:TRP:CE3	3:M:711:PHE:O	1.99	1.15
3:M:511:GLU:OE2	3:M:764:LYS:CE	1.94	1.15
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.15
3:M:509:GLU:HG2	3:M:764:LYS:CE	1.62	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:510:TRP:CE3	3:M:714:ARG:NE	1.86	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:506:GLU:HA	3:M:764:LYS:NZ	1.62	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:502:GLU:HG2	3:M:714:ARG:HD2	1.16	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.14
3:M:509:GLU:HB2	3:M:764:LYS:O	1.44	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
1:B:106:PRO:CG	3:M:801:VAL:HB	1.77	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.55	1.14
3:M:508:ILE:HG21	3:M:766:PHE:CB	1.45	1.14
2:C:93:VAL:HG22	3:M:725:ARG:HB3	1.28	1.14
3:M:510:TRP:CB	3:M:714:ARG:NH2	2.02	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:503:TYR:HE1	3:M:714:ARG:CZ	1.42	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:510:TRP:HB3	3:M:714:ARG:CZ	1.74	1.14
1:B:125:CYS:O	2:C:18:ASP:HB3	1.41	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:120:LEU:CA	2:C:19:ARG:NH1	1.84	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.14
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
1:B:106:PRO:CB	3:M:801:VAL:CG1	2.25	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
2:C:98:GLY:HA2	3:M:742:LYS:HG2	1.26	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:509:GLU:CD	3:M:764:LYS:NZ	1.98	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
1:B:113:LYS:CE	2:C:122:GLU:H	1.57	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:503:TYR:CD1	3:M:766:PHE:HE2	1.58	1.13
3:M:726:VAL:CG2	3:M:786:ILE:HG21	1.76	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.13
3:M:503:TYR:CD1	3:M:766:PHE:HE2	1.66	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.13
3:M:508:ILE:HD13	3:M:714:ARG:NH1	1.52	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
2:C:97:GLU:HA	3:M:745:GLU:N	1.08	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.13
1:B:113:LYS:HE2	2:C:121:GLU:HB2	1.14	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.13
3:M:511:GLU:OE2	3:M:764:LYS:HE2	1.49	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
2:C:88:VAL:HG11	3:M:736:GLN:OE1	1.30	1.13
2:C:92:ARG:O	3:M:747:LEU:CD1	1.96	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
1:B:123:THR:HB	2:C:19:ARG:CD	1.79	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
2:C:89:GLU:CG	3:M:730:SER:CA	2.23	1.12
1:B:124:GLN:HG3	2:C:16:LEU:CA	1.79	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:508:ILE:HD11	3:M:714:ARG:CB	1.78	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:508:ILE:HD11	3:M:714:ARG:HB3	1.13	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.12
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.12
3:M:508:ILE:HG22	3:M:714:ARG:HG2	1.13	1.12
3:M:508:ILE:HB	3:M:766:PHE:CE2	1.83	1.12
3:M:508:ILE:HG22	3:M:766:PHE:CE2	1.84	1.12
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.12
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.12
3:M:502:GLU:HB3	3:M:714:ARG:NH1	1.61	1.12
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.12
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.12
2:C:93:VAL:CG2	3:M:729:ALA:CB	1.91	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:74:GLU:HB3	3:M:752:ASP:OD1	1.48	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:510:TRP:CH2	3:M:766:PHE:CD2	2.37	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
1:B:106:PRO:CG	3:M:801:VAL:CB	2.28	1.12
1:B:106:PRO:HB2	3:M:801:VAL:CG2	1.79	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:506:GLU:CA	3:M:764:LYS:HZ1	1.61	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
2:C:91:LEU:O	3:M:725:ARG:CB	0.83	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
3:M:508:ILE:CD1	3:M:714:ARG:HD3	1.80	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.12
3:M:709:LYS:C	3:M:710:GLY:HA2	1.75	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
1:B:124:GLN:O	2:C:19:ARG:HA	1.33	1.12
3:M:709:LYS:O	3:M:710:GLY:C	1.91	1.12
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.12
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.11
3:M:510:TRP:HZ3	3:M:766:PHE:CD2	1.51	1.11
3:M:511:GLU:CD	3:M:761:GLY:HA3	1.74	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.11
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.11
3:M:508:ILE:HD11	3:M:714:ARG:NH1	1.65	1.11
3:M:509:GLU:N	3:M:766:PHE:CE1	2.18	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
2:C:96:LYS:CD	3:M:747:LEU:HA	1.38	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.11
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.11
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.11
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.11
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.11
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.11
1:B:113:LYS:NZ	2:C:121:GLU:CA	2.09	1.11
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.11
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:503:TYR:HA	3:M:766:PHE:CE2	1.85	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.11
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
1:B:124:GLN:N	2:C:19:ARG:HG2	1.31	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.11
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.11
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
2:C:93:VAL:HG23	3:M:729:ALA:N	1.19	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.11
3:M:511:GLU:OE2	3:M:761:GLY:HA3	1.50	1.11
3:M:805:ARG:C	3:M:809:ARG:HB2	1.60	1.11
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.11
2:C:89:GLU:CG	3:M:730:SER:HA	1.80	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:779:ARG:CA	3:M:783:LEU:HD13	1.79	1.11
2:C:94:PHE:HA	3:M:723:ARG:HA	1.28	1.11
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
2:C:17:PHE:CE1	3:M:806:MET:SD	2.44	1.11
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:506:GLU:O	3:M:764:LYS:HE2	0.95	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:726:VAL:HG12	3:M:786:ILE:HD12	1.14	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
2:C:89:GLU:CA	3:M:729:ALA:O	1.92	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.34	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:508:ILE:HD11	3:M:714:ARG:NH1	1.50	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
1:B:113:LYS:HD3	2:C:121:GLU:CG	1.78	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:O	3:M:710:GLY:C	1.94	1.10
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.10
1:B:109:LYS:HA	2:C:129:GLY:N	1.52	1.10
1:B:110:GLY:N	2:C:127:MET:HB2	1.65	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.30	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:805:ARG:HA	3:M:808:GLU:HB2	1.32	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
3:M:508:ILE:HD13	3:M:766:PHE:CZ	1.78	1.10
3:M:805:ARG:O	3:M:809:ARG:CB	2.00	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:779:ARG:HA	3:M:783:LEU:CD1	1.81	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
2:C:93:VAL:O	3:M:725:ARG:CB	1.98	1.10
2:C:93:VAL:HG22	3:M:729:ALA:HB2	1.28	1.10
1:B:108:GLY:HA2	2:C:128:LYS:CB	1.81	1.10
1:B:109:LYS:HG3	2:C:130:GLN:CB	1.80	1.10
2:C:91:LEU:O	3:M:725:ARG:HB3	1.41	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:510:TRP:CA	3:M:766:PHE:CE2	2.34	1.10
1:B:107:ASP:OD2	2:C:125:GLU:HB3	1.50	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.09
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.09
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.09
3:M:506:GLU:HG3	3:M:764:LYS:HZ2	1.09	1.09
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.09
3:M:508:ILE:CG2	3:M:766:PHE:CE2	2.34	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
2:C:96:LYS:CE	3:M:747:LEU:HG	1.83	1.09
3:M:726:VAL:HG22	3:M:786:ILE:HG21	1.17	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.20	1.09
3:M:709:LYS:C	3:M:710:GLY:HA2	1.76	1.09
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.09
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.09
3:M:510:TRP:CH2	3:M:766:PHE:HB3	1.86	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.09
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.09
2:C:89:GLU:CD	3:M:730:SER:HB2	1.69	1.09
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.09
3:M:779:ARG:HG2	3:M:783:LEU:CD1	1.63	1.09
3:M:508:ILE:CB	3:M:766:PHE:CE2	2.35	1.09
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.09
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.09
2:C:17:PHE:CE1	3:M:806:MET:CE	2.13	1.09
3:M:709:LYS:O	3:M:711:PHE:CD2	2.03	1.09
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:109:LYS:HZ3	2:C:137:ILE:CG2	1.63	1.09
3:M:506:GLU:CA	3:M:764:LYS:NZ	2.15	1.09
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.09
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.09
3:M:509:GLU:CB	3:M:764:LYS:O	2.00	1.09
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.09
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.09
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.09
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.09
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.09
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.09
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.09
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.09
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.09
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
1:B:108:GLY:O	2:C:127:MET:N	1.85	1.08
1:B:109:LYS:CG	2:C:130:GLN:HB2	1.82	1.08
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:508:ILE:HG22	3:M:766:PHE:CG	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.08
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.38	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.08
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.08
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
2:C:93:VAL:HA	3:M:725:ARG:CB	1.83	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.51	1.08
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.08
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.08
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.08
1:B:126:ASP:N	2:C:21:GLY:H	1.50	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.08
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.08
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.08
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.08
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.08
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.08
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.08
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.08
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.08
3:M:805:ARG:HA	3:M:808:GLU:HB2	1.23	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:510:TRP:HE3	3:M:712:PRO:O	1.32	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
2:C:17:PHE:CE2	3:M:806:MET:SD	2.47	1.08
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.22	1.08
2:C:94:PHE:CA	3:M:724:TYR:N	2.12	1.08
2:C:98:GLY:HA3	3:M:742:LYS:CG	1.84	1.08
2:C:89:GLU:CD	3:M:732:ILE:CD1	2.27	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:511:GLU:OE1	3:M:764:LYS:HE3	0.92	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:506:GLU:HG2	3:M:714:ARG:HB2	1.15	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
2:C:89:GLU:HG2	3:M:730:SER:CB	1.71	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
1:B:109:LYS:HG3	2:C:130:GLN:HB2	1.07	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.07
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.07
2:C:106:GLU:CB	3:M:722:GLN:CB	2.21	1.07
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.07
3:M:779:ARG:O	3:M:783:LEU:HD13	1.53	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:510:TRP:HB2	3:M:766:PHE:CD2	1.89	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.07
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:726:VAL:HG13	3:M:786:ILE:HD11	1.34	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
1:B:123:THR:HG21	2:C:19:ARG:HD3	1.19	1.07
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.07
3:M:74:GLU:CB	3:M:752:ASP:OD1	2.01	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:508:ILE:CG1	3:M:766:PHE:CZ	2.37	1.07
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.39	1.07
3:M:502:GLU:HB3	3:M:714:ARG:HH11	0.90	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
1:B:123:THR:HG21	2:C:19:ARG:HH11	0.95	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
2:C:93:VAL:HG22	3:M:725:ARG:O	1.53	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
2:C:94:PHE:CB	3:M:722:GLN:O	2.02	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:508:ILE:CG2	3:M:766:PHE:CG	2.38	1.07
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
1:B:113:LYS:CE	2:C:122:GLU:N	2.08	1.07
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.07
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.18	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.06
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.06
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
2:C:94:PHE:CD1	3:M:725:ARG:HB3	1.91	1.06
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.06
2:C:92:ARG:HB3	3:M:721:LYS:HG2	1.31	1.06
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.06
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.06
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.06
3:M:506:GLU:O	3:M:764:LYS:N	1.88	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.06
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.06
3:M:709:LYS:C	3:M:710:GLY:N	2.12	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.06
2:C:90:GLY:O	3:M:726:VAL:CA	2.04	1.06
2:C:94:PHE:CD2	3:M:722:GLN:O	2.09	1.06
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.06
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.06
3:M:509:GLU:HB2	3:M:714:ARG:O	1.53	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.06
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.32	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
1:B:124:GLN:O	2:C:19:ARG:CA	1.64	1.06
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.39	1.06
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.06
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.06
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.06
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.06
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.06
3:M:508:ILE:HB	3:M:766:PHE:CE2	1.87	1.06
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
3:M:510:TRP:CD2	3:M:711:PHE:O	2.08	1.06
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.36	1.06
2:C:96:LYS:CG	3:M:725:ARG:HD2	1.81	1.06
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.39	1.06
3:M:709:LYS:C	3:M:710:GLY:HA2	1.79	1.06
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.51	1.06
2:C:97:GLU:HA	3:M:721:LYS:CE	1.86	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.35	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
3:M:509:GLU:OE1	3:M:761:GLY:HA2	1.54	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.05
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.05
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
2:C:17:PHE:CZ	3:M:806:MET:SD	2.49	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
2:C:96:LYS:HE2	3:M:731:ALA:HB3	1.33	1.05
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.05
3:M:508:ILE:HG22	3:M:714:ARG:CZ	1.86	1.05
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.05
1:B:123:THR:HG21	2:C:19:ARG:NH1	1.70	1.05
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:508:ILE:HG22	3:M:714:ARG:NH1	1.71	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
1:B:126:ASP:HB3	2:C:22:ASP:H	0.97	1.05
3:M:802:GLU:O	3:M:806:MET:CG	2.03	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.05
3:M:506:GLU:HA	3:M:764:LYS:HZ1	1.11	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:726:VAL:CG1	3:M:783:LEU:HG	1.86	1.05
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.51	1.05
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:506:GLU:HB3	3:M:764:LYS:CE	1.77	1.05
3:M:508:ILE:HD11	3:M:714:ARG:HB3	1.39	1.05
3:M:805:ARG:O	3:M:809:ARG:HB2	1.53	1.05
2:C:94:PHE:CB	3:M:722:GLN:C	2.29	1.05
3:M:779:ARG:HA	3:M:783:LEU:HD13	1.31	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.05
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.54	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.05
3:M:511:GLU:OE2	3:M:764:LYS:NZ	1.89	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.05
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:709:LYS:O	3:M:710:GLY:C	1.99	1.05
3:M:709:LYS:C	3:M:710:GLY:HA2	1.81	1.05
2:C:92:ARG:HG2	3:M:736:GLN:NE2	1.70	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.32	1.05
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.05
3:M:804:ARG:O	3:M:808:GLU:HB2	1.51	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:91:LEU:O	3:M:725:ARG:HB2	1.46	1.05
3:M:779:ARG:C	3:M:783:LEU:HD13	1.82	1.05
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.05
1:B:125:CYS:O	2:C:18:ASP:HB2	1.53	1.05
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.05
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.05
1:B:125:CYS:CB	2:C:20:THR:N	2.17	1.05
3:M:805:ARG:O	3:M:808:GLU:N	1.90	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:510:TRP:CZ3	3:M:766:PHE:CB	2.40	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
3:M:509:GLU:H	3:M:714:ARG:CD	1.70	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.04
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.04
2:C:96:LYS:HB2	3:M:725:ARG:HG3	1.32	1.04
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.04
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.04
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.04
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.04
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.04
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.04
3:M:508:ILE:HG12	3:M:766:PHE:CZ	1.93	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.04
3:M:804:ARG:C	3:M:808:GLU:OE1	1.99	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.04
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.04
1:B:124:GLN:HE21	2:C:16:LEU:HB3	1.20	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.04
1:B:120:LEU:HD22	2:C:19:ARG:HH22	1.19	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
2:C:93:VAL:CA	3:M:725:ARG:HB3	1.88	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:508:ILE:CD1	3:M:714:ARG:HB3	1.87	1.04
3:M:506:GLU:CB	3:M:764:LYS:NZ	2.20	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:505:LYS:HB3	3:M:764:LYS:NZ	1.70	1.04
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.76	1.04
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.32	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
1:B:106:PRO:HB2	3:M:801:VAL:HG21	1.06	1.04
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.73	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
3:M:508:ILE:C	3:M:714:ARG:HD2	1.78	1.04
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.34	1.04
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.40	1.04
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.04
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
1:B:113:LYS:HZ2	2:C:121:GLU:HB3	1.21	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:112:ILE:HG12	2:C:125:GLU:CD	1.83	1.03
3:M:726:VAL:CG1	3:M:786:ILE:CD1	2.36	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:93:VAL:CG1	3:M:724:TYR:O	2.03	1.03
2:C:97:GLU:CA	3:M:745:GLU:N	1.98	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:508:ILE:HD11	3:M:714:ARG:CD	1.88	1.03
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:106:GLU:HB3	3:M:722:GLN:CB	1.86	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.03
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.03
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.03
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.35	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.03
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:113:LYS:HE3	2:C:122:GLU:N	1.40	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:91:LEU:O	3:M:725:ARG:CA	2.05	1.03
2:C:102:VAL:HA	3:M:721:LYS:CB	1.89	1.03
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.03
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.03
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.03
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.45	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:502:GLU:CB	3:M:714:ARG:HH11	1.71	1.03
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.03
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:778:MET:C	3:M:782:LYS:HB2	1.80	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
3:M:804:ARG:O	3:M:808:GLU:HG3	1.59	1.03
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.03
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.03
3:M:509:GLU:HG2	3:M:764:LYS:HE3	1.38	1.03
3:M:509:GLU:HG3	3:M:764:LYS:HZ2	0.91	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.03
3:M:709:LYS:HA	3:M:768:LYS:HZ1	1.05	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.56	1.03
3:M:603:LEU:CD1	3:M:647:GLN:O	0.72	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.72	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.72	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:139:TYR:CZ	3:M:725:ARG:HD2	1.93	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:508:ILE:CG2	3:M:766:PHE:CB	2.09	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:508:ILE:HG22	3:M:714:ARG:HH12	1.15	1.02
1:B:123:THR:HG21	2:C:19:ARG:CD	1.82	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
2:C:96:LYS:HB2	3:M:725:ARG:CG	1.88	1.02
2:C:96:LYS:CE	3:M:725:ARG:HG2	1.89	1.02
2:C:97:GLU:CA	3:M:721:LYS:NZ	2.21	1.02
3:M:805:ARG:O	3:M:809:ARG:HB2	1.57	1.02
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.42	1.02
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
2:C:98:GLY:O	3:M:740:SER:CB	2.07	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.02
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:508:ILE:CD1	3:M:714:ARG:CD	1.97	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:510:TRP:CB	3:M:714:ARG:NH2	2.22	1.02
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.02
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.34	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.26	1.02
3:M:726:VAL:O	3:M:786:ILE:CD1	2.07	1.02
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:779:ARG:CZ	3:M:783:LEU:HD22	1.86	1.02
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.02
3:M:509:GLU:OE1	3:M:764:LYS:O	1.76	1.02
3:M:708:ARG:O	3:M:768:LYS:NZ	1.91	1.01
1:B:113:LYS:CD	2:C:121:GLU:HG2	1.89	1.01
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.01
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.01
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.42	1.01
2:C:90:GLY:O	3:M:726:VAL:HA	1.59	1.01
2:C:93:VAL:HA	3:M:747:LEU:CD1	1.89	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
2:C:94:PHE:CD2	3:M:779:ARG:NH2	2.27	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.01
2:C:114:LEU:HD11	3:M:779:ARG:HH12	1.24	1.01
2:C:85:GLU:C	3:M:732:ILE:CD1	2.33	1.01
2:C:88:VAL:H	3:M:725:ARG:NH2	1.45	1.01
3:M:804:ARG:O	3:M:808:GLU:OE1	1.76	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:804:ARG:HB3	3:M:808:GLU:OE1	1.60	1.01
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.01
3:M:503:TYR:CD2	3:M:714:ARG:NH2	2.27	1.01
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.01
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.39	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
2:C:16:LEU:O	3:M:806:MET:HE1	1.59	1.01
2:C:94:PHE:HA	3:M:724:TYR:N	1.38	1.01
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.01
3:M:708:ARG:O	3:M:768:LYS:NZ	1.71	1.01
1:B:120:LEU:HA	2:C:19:ARG:NH1	1.74	1.01
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.01
3:M:506:GLU:HG3	3:M:764:LYS:HZ2	1.24	1.01
3:M:805:ARG:C	3:M:809:ARG:CB	2.32	1.01
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.01
2:C:17:PHE:CZ	3:M:806:MET:SD	2.54	1.01
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	1.00
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.00
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	1.00
2:C:92:ARG:NH1	3:M:732:ILE:CD1	2.23	1.00
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	1.00
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.40	1.00
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:509:GLU:CD	3:M:760:PHE:O	2.03	1.00
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.00
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.00
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.00
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:508:ILE:CG2	3:M:714:ARG:NH1	2.25	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:120:LEU:C	2:C:19:ARG:NH1	2.18	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:96:LYS:CG	3:M:725:ARG:NE	2.23	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.44	1.00
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	1.00
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	1.00
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	1.00
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	1.00
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	1.00
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	1.00
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.00
1:B:124:GLN:CG	2:C:16:LEU:C	2.28	1.00
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.00
3:M:508:ILE:CD1	3:M:712:PRO:O	2.08	1.00
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.00
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.00
3:M:511:GLU:H	3:M:714:ARG:CD	1.73	1.00
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.00
3:M:709:LYS:HG2	3:M:768:LYS:HE3	1.39	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.80	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	1.00
3:M:804:ARG:O	3:M:808:GLU:HB2	1.62	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:508:ILE:HG23	3:M:766:PHE:HB2	1.40	1.00
3:M:709:LYS:O	3:M:710:GLY:O	1.80	1.00
1:B:120:LEU:HA	2:C:19:ARG:HH12	0.89	1.00
3:M:709:LYS:C	3:M:710:GLY:N	2.19	1.00
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.00
2:C:94:PHE:HB2	3:M:722:GLN:OE1	1.62	1.00
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.53	1.00
1:B:120:LEU:CD2	2:C:19:ARG:HH22	1.75	1.00
2:C:16:LEU:HD23	3:M:810:ARG:CZ	1.89	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
3:M:510:TRP:HB2	3:M:714:ARG:NH1	1.75	0.99
3:M:709:LYS:CA	3:M:768:LYS:HZ3	1.74	0.99
2:C:96:LYS:CE	3:M:725:ARG:NH1	1.76	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
1:B:109:LYS:HD2	2:C:131:GLU:HG2	1.41	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
3:M:709:LYS:HA	3:M:768:LYS:HZ1	0.84	0.99
2:C:96:LYS:HG3	3:M:725:ARG:HD2	1.41	0.99
3:M:509:GLU:H	3:M:714:ARG:HD2	1.14	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.67	0.99
3:M:502:GLU:HB3	3:M:714:ARG:HH11	1.17	0.99
1:B:123:THR:OG1	2:C:19:ARG:CD	2.10	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
3:M:509:GLU:O	3:M:714:ARG:HD3	1.62	0.99
3:M:777:GLU:O	3:M:781:ASP:N	1.96	0.99
2:C:88:VAL:CG1	3:M:732:ILE:CD1	2.41	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
3:M:509:GLU:CG	3:M:764:LYS:CE	2.32	0.99
2:C:96:LYS:CB	3:M:725:ARG:HG3	1.92	0.99
3:M:508:ILE:HD11	3:M:766:PHE:CZ	1.94	0.99
1:B:120:LEU:CD2	2:C:19:ARG:HH22	1.74	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.52	0.99
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
2:C:93:VAL:HA	3:M:725:ARG:C	1.88	0.98
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.42	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:506:GLU:CB	3:M:764:LYS:HZ1	1.76	0.98
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.98
2:C:94:PHE:CA	3:M:724:TYR:H	1.76	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
3:M:708:ARG:O	3:M:768:LYS:NZ	1.95	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:508:ILE:HD11	3:M:766:PHE:CE2	1.98	0.98
2:C:106:GLU:HB2	3:M:722:GLN:HB3	1.02	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
1:B:124:GLN:NE2	2:C:16:LEU:HB3	1.78	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.98
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.98
3:M:508:ILE:N	3:M:766:PHE:HE1	1.44	0.98
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.98
3:M:503:TYR:CD1	3:M:766:PHE:CE2	2.50	0.98
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.39	0.98
1:B:123:THR:HB	2:C:19:ARG:HD3	1.40	0.98
2:C:94:PHE:O	3:M:722:GLN:O	1.82	0.98
3:M:508:ILE:HD11	3:M:714:ARG:CG	1.93	0.98
3:M:509:GLU:N	3:M:766:PHE:CZ	2.30	0.98
3:M:510:TRP:N	3:M:714:ARG:NH1	2.12	0.98
3:M:508:ILE:CG2	3:M:766:PHE:CE2	2.47	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:98:GLY:O	3:M:738:MET:HE2	1.64	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.98
1:B:113:LYS:HD3	2:C:121:GLU:HG2	1.00	0.98
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.98
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.98
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.98
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.98
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.98
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:508:ILE:HD11	3:M:714:ARG:HD3	1.38	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:507:GLY:HA3	3:M:763:THR:H	1.29	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.98
1:B:123:THR:OG1	2:C:19:ARG:NE	1.95	0.98
3:M:508:ILE:HD13	3:M:714:ARG:CZ	1.94	0.98
3:M:508:ILE:CG2	3:M:766:PHE:HA	1.93	0.98
3:M:509:GLU:CG	3:M:764:LYS:O	2.11	0.98
1:B:123:THR:OG1	2:C:19:ARG:NH1	1.97	0.98
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.33	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.98
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.52	0.98
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.52	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:508:ILE:HG21	3:M:766:PHE:CB	1.82	0.97
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.97
3:M:804:ARG:HG2	3:M:808:GLU:OE2	0.79	0.97
3:M:805:ARG:CA	3:M:808:GLU:HB2	1.93	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:508:ILE:HG23	3:M:714:ARG:HD2	1.41	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:779:ARG:C	3:M:780:ASP:N	2.21	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.97
3:M:510:TRP:CA	3:M:766:PHE:HE2	1.73	0.97
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.97
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.97
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.97
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.97
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.97
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.97
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.97
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.97
2:C:101:THR:HB	3:M:740:SER:HA	1.44	0.97
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.97
2:C:93:VAL:CG1	3:M:726:VAL:HG22	1.95	0.97
1:B:123:THR:HG21	2:C:19:ARG:HH11	1.24	0.97
3:M:503:TYR:HB3	3:M:766:PHE:CZ	1.99	0.97
3:M:802:GLU:OE2	3:M:809:ARG:NH2	1.96	0.97
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.97
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.97
1:B:109:LYS:HD3	2:C:131:GLU:CB	1.93	0.97
2:C:89:GLU:HG2	3:M:732:ILE:CB	1.94	0.97
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.97
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.97
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.97
3:M:804:ARG:CB	3:M:808:GLU:CD	2.37	0.97
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.97
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.97
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.62	0.97
3:M:802:GLU:OE2	3:M:809:ARG:NH1	1.97	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.97
2:C:99:ASN:HB2	3:M:739:ASP:H	1.05	0.97
3:M:777:GLU:O	3:M:780:ASP:N	1.98	0.97
1:B:124:GLN:HA	2:C:17:PHE:C	1.90	0.97
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.97
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.97
3:M:503:TYR:N	3:M:714:ARG:NH1	2.12	0.97
3:M:709:LYS:C	3:M:710:GLY:HA2	1.90	0.97
3:M:506:GLU:CG	3:M:764:LYS:HZ1	1.64	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.97
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.97
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.97
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.97
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.97
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	0.96
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
2:C:89:GLU:HB3	3:M:730:SER:N	1.78	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.42	0.96
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.96
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.96
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.96
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.96
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
1:B:106:PRO:CB	3:M:801:VAL:CG2	2.41	0.96
3:M:506:GLU:CA	3:M:764:LYS:HE3	1.87	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:779:ARG:HG3	3:M:783:LEU:HD11	0.99	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
1:B:113:LYS:NZ	2:C:121:GLU:CB	2.28	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:709:LYS:C	3:M:710:GLY:HA2	1.90	0.96
3:M:805:ARG:HA	3:M:809:ARG:CA	1.93	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:508:ILE:CG2	3:M:766:PHE:HB2	1.94	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.96
3:M:709:LYS:C	3:M:710:GLY:HA2	1.91	0.96
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.96
3:M:511:GLU:CD	3:M:764:LYS:NZ	2.23	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:510:TRP:CE3	3:M:711:PHE:HB3	1.54	0.96
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.96
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.96
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:509:GLU:OE2	3:M:764:LYS:N	1.78	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
2:C:88:VAL:C	3:M:732:ILE:CD1	2.39	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.96
3:M:508:ILE:HG12	3:M:765:VAL:C	1.91	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.96
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.95
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.95
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.95
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.95
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.95
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
3:M:508:ILE:HD13	3:M:714:ARG:HH11	1.25	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.95
3:M:508:ILE:N	3:M:766:PHE:CE1	2.02	0.95
3:M:506:GLU:O	3:M:763:THR:N	1.98	0.95
1:B:113:LYS:HZ3	2:C:121:GLU:HA	0.79	0.95
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.95
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.95
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.95
1:B:87:LYS:HZ2	3:M:829:TRP:NE1	1.37	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.95
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.95
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.95
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:508:ILE:CD1	3:M:714:ARG:CD	1.94	0.95
3:M:510:TRP:NE1	3:M:711:PHE:H	1.58	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:510:TRP:CH2	3:M:711:PHE:CZ	2.54	0.95
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.95
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.95
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.95
3:M:805:ARG:O	3:M:806:MET:C	2.10	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
1:B:108:GLY:CA	2:C:128:LYS:CB	2.39	0.95
3:M:508:ILE:CD1	3:M:714:ARG:HH11	1.62	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.95
3:M:503:TYR:CG	3:M:714:ARG:CZ	2.50	0.95
3:M:510:TRP:HB2	3:M:714:ARG:NH2	1.80	0.95
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.95
3:M:779:ARG:HE	3:M:783:LEU:HD21	1.28	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.95
3:M:509:GLU:CD	3:M:764:LYS:O	2.08	0.95
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.95
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.95
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.95
1:B:113:LYS:CD	2:C:121:GLU:HB2	1.95	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:292:MET:HE1	3:M:309:PRO:HA	1.47	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.95
2:C:96:LYS:HE2	3:M:725:ARG:HH12	1.27	0.95
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.95
2:C:94:PHE:HD1	3:M:725:ARG:HB3	1.20	0.95
3:M:508:ILE:CG2	3:M:714:ARG:HG2	1.97	0.95
2:C:89:GLU:HG3	3:M:732:ILE:CD1	1.97	0.95
1:B:126:ASP:N	2:C:21:GLY:N	2.11	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
3:M:709:LYS:O	3:M:710:GLY:O	1.84	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:709:LYS:HB3	3:M:711:PHE:CE2	2.01	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.94
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.29	0.94
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.94
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.94
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
2:C:92:ARG:HH11	3:M:732:ILE:CD1	1.80	0.94
3:M:709:LYS:C	3:M:710:GLY:HA2	1.92	0.94
3:M:726:VAL:HG11	3:M:783:LEU:HG	1.45	0.94
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.34	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.46	0.94
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.94
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.94
1:B:108:GLY:C	2:C:126:LEU:O	2.10	0.94
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
1:B:120:LEU:HD23	2:C:19:ARG:HH22	1.29	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
2:C:96:LYS:HZ3	3:M:725:ARG:HD3	1.22	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
3:M:508:ILE:C	3:M:714:ARG:CD	2.23	0.94
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.94
1:B:124:GLN:N	2:C:19:ARG:CG	2.10	0.94
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
1:B:106:PRO:HG3	3:M:801:VAL:HB	0.96	0.94
1:B:147:ASN:HA	2:C:124:GLU:OE1	1.66	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:779:ARG:NE	3:M:783:LEU:HD22	1.74	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
2:C:95:ASP:HA	3:M:722:GLN:OE1	1.67	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
3:M:509:GLU:HB3	3:M:714:ARG:HG3	1.49	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.49	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:503:TYR:HA	3:M:766:PHE:CZ	2.03	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:510:TRP:HB2	3:M:714:ARG:NH2	1.82	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:510:TRP:CZ3	3:M:711:PHE:O	2.21	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
2:C:93:VAL:C	3:M:725:ARG:CB	2.38	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:709:LYS:O	3:M:710:GLY:C	2.09	0.94
1:B:107:ASP:CA	3:M:797:PHE:CE2	2.27	0.94
3:M:726:VAL:HG12	3:M:786:ILE:CD1	1.97	0.94
3:M:726:VAL:HG13	3:M:786:ILE:CD1	1.96	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:804:ARG:HB3	3:M:808:GLU:CD	1.93	0.94
2:C:92:ARG:C	3:M:725:ARG:HA	1.89	0.94
2:C:102:VAL:HA	3:M:721:LYS:HB3	1.49	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.65	0.94
1:B:113:LYS:HE2	2:C:121:GLU:CB	1.63	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.49	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.94
1:B:123:THR:CG2	2:C:19:ARG:HH11	1.81	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93
2:C:93:VAL:HG13	3:M:726:VAL:CG2	1.97	0.93
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.93
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.93
1:B:124:GLN:H	2:C:19:ARG:HG2	1.26	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:726:VAL:HG13	3:M:786:ILE:HD12	1.45	0.93
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:508:ILE:HG22	3:M:714:ARG:CG	1.99	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:506:GLU:O	3:M:763:THR:HB	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:709:LYS:C	3:M:710:GLY:C	2.35	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.41	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.93
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.93
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.54	0.93
3:M:709:LYS:C	3:M:710:GLY:O	2.10	0.93
2:C:88:VAL:N	3:M:725:ARG:NH2	1.87	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.93
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.43	0.93
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.93
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93
3:M:502:GLU:HG2	3:M:714:ARG:HD2	1.51	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
1:B:109:LYS:NZ	2:C:137:ILE:CG2	2.25	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
2:C:102:VAL:HA	3:M:721:LYS:CG	1.98	0.93
2:C:114:LEU:HD13	3:M:779:ARG:HH12	1.34	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.93
3:M:508:ILE:CD1	3:M:714:ARG:HH12	1.78	0.93
2:C:17:PHE:CE2	3:M:806:MET:SD	2.62	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
2:C:89:GLU:CB	3:M:730:SER:N	2.32	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:510:TRP:CE3	3:M:766:PHE:HB3	2.03	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.92
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.92
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:779:ARG:C	3:M:780:ASP:CA	2.43	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:506:GLU:O	3:M:764:LYS:NZ	2.02	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.44	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.92
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.92
3:M:510:TRP:CB	3:M:714:ARG:NH1	2.32	0.92
2:C:97:GLU:HA	3:M:721:LYS:HZ1	1.28	0.92
3:M:709:LYS:HA	3:M:768:LYS:HZ1	1.34	0.92
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.45	0.92
3:M:778:MET:HB3	3:M:782:LYS:CD	1.97	0.92
3:M:510:TRP:CE3	3:M:714:ARG:NE	2.20	0.92
2:C:96:LYS:HZ1	3:M:728:ASN:HB3	1.34	0.92
2:C:96:LYS:HB3	3:M:717:TYR:O	1.70	0.92
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.40	0.92
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.92
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
2:C:89:GLU:HG2	3:M:730:SER:HA	0.94	0.92
2:C:98:GLY:CA	3:M:742:LYS:CG	2.44	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
2:C:96:LYS:HE3	3:M:725:ARG:HE	1.34	0.92
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.92
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
1:B:112:ILE:HG13	2:C:125:GLU:HG2	1.50	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.92
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.92
3:M:508:ILE:CG2	3:M:766:PHE:CB	2.47	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.53	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:506:GLU:CD	3:M:764:LYS:HZ1	1.78	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
2:C:16:LEU:HD21	3:M:810:ARG:CZ	1.97	0.92
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.65	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.92
3:M:508:ILE:CD1	3:M:714:ARG:NE	2.31	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.92
3:M:505:LYS:O	3:M:763:THR:CB	2.16	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:503:TYR:HB3	3:M:714:ARG:HH11	1.20	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:709:LYS:CB	3:M:711:PHE:HE2	1.81	0.92
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.92
3:M:709:LYS:C	3:M:710:GLY:N	2.27	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.87	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
1:B:126:ASP:HB3	2:C:22:ASP:N	1.82	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.92
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
2:C:89:GLU:CG	3:M:732:ILE:CD1	2.48	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
3:M:709:LYS:C	3:M:710:GLY:O	2.13	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
2:C:93:VAL:HA	3:M:747:LEU:HD11	0.93	0.91
2:C:88:VAL:H	3:M:725:ARG:HH22	0.98	0.91
3:M:503:TYR:HB3	3:M:766:PHE:HE2	1.27	0.91
3:M:503:TYR:CD1	3:M:714:ARG:CZ	2.53	0.91
3:M:508:ILE:HD11	3:M:714:ARG:HB3	1.50	0.91
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.91
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.91
3:M:509:GLU:HB3	3:M:714:ARG:CG	2.00	0.91
3:M:510:TRP:HB2	3:M:714:ARG:NE	1.86	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:779:ARG:C	3:M:780:ASP:CA	2.43	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.57	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
1:B:124:GLN:CG	2:C:16:LEU:HA	2.00	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:HE3	3:M:714:ARG:HE	0.94	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.91
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.91
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.91
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.91
3:M:510:TRP:CZ3	3:M:766:PHE:HB2	2.04	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
3:M:503:TYR:HE1	3:M:714:ARG:CZ	1.83	0.91
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.91
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.56	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
1:B:109:LYS:HA	2:C:129:GLY:H	1.27	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
2:C:89:GLU:OE2	3:M:732:ILE:CD1	2.18	0.91
2:C:93:VAL:N	3:M:725:ARG:HB2	1.86	0.91
3:M:509:GLU:O	3:M:714:ARG:CD	2.18	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:779:ARG:C	3:M:780:ASP:CA	2.42	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:779:ARG:C	3:M:780:ASP:CA	2.42	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:508:ILE:HD11	3:M:714:ARG:HD2	1.52	0.91
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:510:TRP:HZ3	3:M:766:PHE:HB3	1.10	0.91
2:C:88:VAL:N	3:M:725:ARG:HH22	1.35	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:508:ILE:CD1	3:M:714:ARG:NH1	2.34	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
1:B:109:LYS:CG	2:C:130:GLN:N	2.14	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.91
2:C:96:LYS:HG3	3:M:725:ARG:HE	1.11	0.91
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.87	0.91
3:M:506:GLU:HB3	3:M:764:LYS:HE3	0.91	0.91
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.69	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
2:C:93:VAL:HA	3:M:725:ARG:CG	2.01	0.90
1:B:113:LYS:NZ	2:C:121:GLU:HB3	1.86	0.90
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.90
3:M:805:ARG:C	3:M:809:ARG:H	1.78	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:507:GLY:HA3	3:M:763:THR:H	1.36	0.90
2:C:140:GLU:CD	3:M:737:PHE:N	2.28	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
2:C:93:VAL:HG23	3:M:729:ALA:HB2	1.49	0.90
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.56	0.90
3:M:503:TYR:HE1	3:M:714:ARG:HH22	1.12	0.90
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.66	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:603:LEU:CD2	3:M:647:GLN:O	2.17	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:603:LEU:CD2	3:M:647:GLN:O	2.17	0.90
1:B:106:PRO:CG	3:M:801:VAL:CG2	2.50	0.90
3:M:603:LEU:CD2	3:M:647:GLN:O	2.17	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:508:ILE:CD1	3:M:766:PHE:HE2	1.71	0.90
3:M:603:LEU:CD2	3:M:647:GLN:O	2.17	0.90
3:M:603:LEU:CD2	3:M:647:GLN:O	2.17	0.90
3:M:603:LEU:CD2	3:M:647:GLN:O	2.17	0.90
3:M:603:LEU:CD2	3:M:647:GLN:O	2.17	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:805:ARG:C	3:M:806:MET:C	2.37	0.90
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
2:C:96:LYS:CG	3:M:725:ARG:HG3	2.02	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:88:VAL:O	3:M:725:ARG:NH2	2.05	0.90
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:508:ILE:CG2	3:M:714:ARG:CZ	2.49	0.90
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.90
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.90
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.90
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.86	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.40	0.90
3:M:726:VAL:O	3:M:786:ILE:HD11	1.72	0.90
3:M:726:VAL:CG2	3:M:786:ILE:HG21	2.01	0.90
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.90
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.90
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.59	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:779:ARG:O	3:M:783:LEU:CD1	2.20	0.90
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.90
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.90
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	0.90
3:M:804:ARG:O	3:M:808:GLU:CA	2.20	0.90
3:M:508:ILE:CG2	3:M:714:ARG:CB	1.98	0.90
2:C:96:LYS:HZ2	3:M:725:ARG:HD3	1.31	0.90
3:M:503:TYR:HD1	3:M:766:PHE:HE2	1.05	0.90
3:M:506:GLU:O	3:M:763:THR:C	2.15	0.90
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:510:TRP:CZ3	3:M:766:PHE:HE2	1.84	0.90
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.46	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:508:ILE:HD11	3:M:714:ARG:HH11	1.10	0.90
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.90
3:M:510:TRP:CA	3:M:714:ARG:CZ	2.49	0.90
2:C:93:VAL:C	3:M:726:VAL:HG23	1.96	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:778:MET:HB3	3:M:782:LYS:HD2	1.51	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:508:ILE:HD12	3:M:714:ARG:NH1	1.85	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.89
3:M:509:GLU:HG2	3:M:764:LYS:NZ	1.68	0.89
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.89
3:M:511:GLU:OE2	3:M:764:LYS:HE3	1.71	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.89
2:C:93:VAL:HG13	3:M:726:VAL:HG22	1.53	0.89
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.89
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.89
3:M:508:ILE:CD1	3:M:714:ARG:HH11	1.61	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.89
2:C:99:ASN:HB2	3:M:738:MET:C	1.85	0.89
2:C:96:LYS:NZ	3:M:725:ARG:HD3	1.80	0.89
1:B:107:ASP:OD2	2:C:125:GLU:CB	2.17	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
1:B:106:PRO:CG	3:M:801:VAL:HG21	2.03	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.41	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
1:B:120:LEU:CA	2:C:19:ARG:HH12	1.81	0.89
2:C:92:ARG:HH11	3:M:732:ILE:CD1	1.84	0.89
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:510:TRP:HB2	3:M:714:ARG:HE	1.33	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:123:THR:HG21	2:C:19:ARG:NH1	1.88	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.39	0.89
3:M:509:GLU:OE2	3:M:760:PHE:O	1.81	0.89
3:M:502:GLU:HG2	3:M:714:ARG:HH11	1.37	0.89
3:M:726:VAL:HG13	3:M:786:ILE:CD1	2.02	0.89
1:B:109:LYS:CG	2:C:130:GLN:CA	2.49	0.89
3:M:805:ARG:O	3:M:809:ARG:CB	2.19	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.89
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.89
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
3:M:777:GLU:O	3:M:780:ASP:HB2	1.73	0.89
1:B:123:THR:CB	2:C:19:ARG:HD3	2.03	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
2:C:92:ARG:HD2	3:M:732:ILE:CD1	2.01	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.89
2:C:140:GLU:HA	3:M:736:GLN:CD	1.96	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.89
3:M:508:ILE:HD11	3:M:714:ARG:NH1	1.86	0.89
1:B:108:GLY:HA2	2:C:128:LYS:HB2	0.90	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
2:C:92:ARG:HD2	3:M:725:ARG:HH12	1.37	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.89
3:M:510:TRP:CD2	3:M:711:PHE:HD2	1.59	0.89
2:C:97:GLU:HA	3:M:721:LYS:HZ3	1.12	0.89
3:M:509:GLU:H	3:M:714:ARG:HD3	1.38	0.89
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
1:B:126:ASP:HB3	2:C:20:THR:O	1.74	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.88
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.88
3:M:511:GLU:N	3:M:766:PHE:CZ	2.23	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88
1:B:126:ASP:CG	2:C:22:ASP:OD1	2.16	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.54	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.88
3:M:805:ARG:C	3:M:806:MET:CA	2.46	0.88
2:C:98:GLY:HA3	3:M:742:LYS:HB3	1.54	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:503:TYR:CB	3:M:766:PHE:HE2	1.85	0.88
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
2:C:96:LYS:N	3:M:725:ARG:HD2	1.88	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
3:M:805:ARG:C	3:M:806:MET:CA	2.46	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
1:B:125:CYS:HA	2:C:18:ASP:HB2	1.55	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.88
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
1:B:113:LYS:CE	2:C:121:GLU:CG	2.49	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
2:C:16:LEU:HD23	3:M:810:ARG:NH2	1.88	0.88
2:C:94:PHE:CB	3:M:722:GLN:OE1	2.21	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:804:ARG:O	3:M:808:GLU:CB	2.21	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:124:GLN:HG3	2:C:16:LEU:HA	1.56	0.88
3:M:779:ARG:CG	3:M:783:LEU:HD11	1.76	0.88
3:M:503:TYR:HA	3:M:766:PHE:HZ	1.10	0.88
3:M:509:GLU:CB	3:M:714:ARG:HG3	2.02	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
3:M:508:ILE:CD1	3:M:714:ARG:NE	2.36	0.88
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.88
2:C:140:GLU:OE2	3:M:733:PRO:O	1.92	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
2:C:16:LEU:HD23	3:M:810:ARG:NH1	1.88	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.88
3:M:509:GLU:N	3:M:714:ARG:HD3	1.89	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.88
3:M:503:TYR:HE1	3:M:714:ARG:HH22	1.21	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.88
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.88
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.88
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.88
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:779:ARG:O	3:M:783:LEU:CD1	2.21	0.88
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.88
3:M:509:GLU:HB2	3:M:760:PHE:O	1.72	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.88
3:M:508:ILE:CD1	3:M:714:ARG:CD	2.48	0.88
3:M:502:GLU:CB	3:M:714:ARG:NH1	2.35	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.87
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.92	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.87
3:M:805:ARG:CA	3:M:809:ARG:N	1.89	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
2:C:95:ASP:O	3:M:721:LYS:HG3	1.64	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
2:C:94:PHE:CA	3:M:723:ARG:HA	2.03	0.87
2:C:96:LYS:N	3:M:722:GLN:HB3	1.82	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:510:TRP:CG	3:M:714:ARG:NH2	2.42	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.54	0.87
3:M:508:ILE:CD1	3:M:714:ARG:HH12	1.84	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
2:C:92:ARG:CZ	3:M:732:ILE:CD1	2.51	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
2:C:16:LEU:CD2	3:M:810:ARG:NH1	2.36	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
2:C:17:PHE:CZ	3:M:806:MET:HE3	1.51	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:805:ARG:C	3:M:806:MET:CA	2.46	0.87
3:M:508:ILE:CD1	3:M:714:ARG:HH11	1.82	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.81	0.87
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.87
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.87
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.87
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.87
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
2:C:96:LYS:CG	3:M:725:ARG:CD	2.53	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:510:TRP:N	3:M:714:ARG:HH11	1.72	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:508:ILE:HD12	3:M:714:ARG:HD3	1.53	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
3:M:779:ARG:C	3:M:780:ASP:HA	2.00	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.63	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.87
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.87
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.87
3:M:709:LYS:HA	3:M:768:LYS:HZ1	1.35	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.69	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
1:B:113:LYS:NZ	2:C:122:GLU:HG3	1.90	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.86
3:M:502:GLU:HG3	3:M:714:ARG:HD2	1.55	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.86
3:M:508:ILE:HG21	3:M:766:PHE:HB2	1.51	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:88:VAL:HG13	3:M:736:GLN:HE22	1.07	0.86
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.86
2:C:92:ARG:HB2	3:M:725:ARG:NH1	1.90	0.86
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.86
3:M:709:LYS:CB	3:M:711:PHE:CE2	2.57	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.86
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.86
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.86
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.86
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.86
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.86
3:M:503:TYR:CD1	3:M:766:PHE:CD2	2.62	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.86
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:503:TYR:CG	3:M:714:ARG:NH2	2.43	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
2:C:92:ARG:HB3	3:M:721:LYS:CG	2.05	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:776:GLU:O	3:M:780:ASP:N	2.07	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
3:M:503:TYR:CE2	3:M:714:ARG:NH2	2.39	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.86
3:M:805:ARG:C	3:M:806:MET:CA	2.46	0.86
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.86
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.86
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:805:ARG:O	3:M:809:ARG:N	2.08	0.86
1:B:124:GLN:HA	2:C:17:PHE:HA	1.57	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.86
3:M:709:LYS:HA	3:M:768:LYS:HZ3	0.86	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:508:ILE:C	3:M:764:LYS:HG3	1.99	0.86
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.86
3:M:804:ARG:O	3:M:808:GLU:CG	2.23	0.86
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.86
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	1.93	0.86
3:M:506:GLU:C	3:M:764:LYS:HE3	1.82	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
2:C:17:PHE:CZ	3:M:806:MET:CE	0.91	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.86
1:B:106:PRO:CB	3:M:801:VAL:CB	2.53	0.86
1:B:87:LYS:HZ3	3:M:829:TRP:NE1	1.69	0.86
3:M:506:GLU:CG	3:M:714:ARG:HB2	2.02	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
2:C:90:GLY:O	3:M:725:ARG:C	2.19	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
2:C:94:PHE:HA	3:M:723:ARG:CA	2.00	0.86
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.86
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.86
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.86
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.86
2:C:94:PHE:CE2	3:M:779:ARG:NH2	2.44	0.86
3:M:502:GLU:CG	3:M:714:ARG:HD2	2.05	0.86
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.85
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.85
3:M:508:ILE:CG2	3:M:766:PHE:HE2	1.87	0.85
1:B:113:LYS:HZ2	2:C:121:GLU:CB	1.86	0.85
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.85
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.85
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.85
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.85
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.85
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.85
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.85
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.85
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:502:GLU:CG	3:M:714:ARG:HH11	1.89	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
2:C:96:LYS:HG3	3:M:725:ARG:CD	2.05	0.85
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.85
1:B:125:CYS:N	2:C:19:ARG:HA	1.91	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:126:ASP:CA	2:C:20:THR:CA	2.11	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.85
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.85
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.85
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.85
3:M:292:MET:HE1	3:M:309:PRO:CA	2.05	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:510:TRP:HZ3	3:M:766:PHE:CB	1.58	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:805:ARG:O	3:M:806:MET:C	2.18	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:509:GLU:O	3:M:766:PHE:HB2	1.75	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:510:TRP:NE1	3:M:711:PHE:H	1.55	0.85
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.85
2:C:16:LEU:O	3:M:806:MET:CE	2.23	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.93	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:511:GLU:OE1	3:M:766:PHE:HE1	1.59	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:508:ILE:CD1	3:M:766:PHE:HZ	1.90	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
2:C:114:LEU:CD1	3:M:779:ARG:NH1	2.39	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
2:C:17:PHE:HZ	3:M:806:MET:CE	0.43	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.94	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
2:C:88:VAL:HB	3:M:725:ARG:NH2	1.90	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.85
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.85
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.85
3:M:726:VAL:HG11	3:M:783:LEU:CG	2.05	0.85
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.85
3:M:503:TYR:CD2	3:M:714:ARG:NH1	2.35	0.85
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
1:B:107:ASP:O	2:C:128:LYS:HA	1.77	0.85
3:M:508:ILE:HD13	3:M:714:ARG:CZ	2.06	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.85
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
3:M:91:MET:HE3	3:M:119:SER:HB2	1.56	0.85
3:M:804:ARG:O	3:M:808:GLU:N	2.08	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.85
3:M:509:GLU:HB2	3:M:761:GLY:HA3	1.59	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
3:M:503:TYR:CG	3:M:766:PHE:HE2	1.95	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.85
2:C:96:LYS:HE3	3:M:725:ARG:NE	1.92	0.85
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.85
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.85
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.85
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.85
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.85
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.85
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.85
3:M:709:LYS:C	3:M:710:GLY:C	2.44	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:509:GLU:N	3:M:714:ARG:CD	2.39	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:502:GLU:CG	3:M:714:ARG:HH11	1.90	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
2:C:17:PHE:HE2	3:M:806:MET:HE3	1.31	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
1:B:126:ASP:C	2:C:20:THR:HA	2.01	0.84
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.84
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.13	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.84
2:C:92:ARG:CG	3:M:736:GLN:NE2	2.38	0.84
2:C:96:LYS:HZ1	3:M:729:ALA:CB	1.90	0.84
3:M:708:ARG:HG3	3:M:768:LYS:CD	2.06	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:805:ARG:HA	3:M:808:GLU:CB	2.06	0.84
2:C:93:VAL:HG23	3:M:729:ALA:CA	2.06	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
2:C:92:ARG:NH1	3:M:736:GLN:HB2	1.92	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:779:ARG:O	3:M:783:LEU:N	2.09	0.84
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
2:C:96:LYS:NZ	3:M:728:ASN:HB3	1.90	0.84
2:C:96:LYS:NZ	3:M:725:ARG:CD	2.35	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
1:B:113:LYS:CG	2:C:121:GLU:CB	2.54	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
2:C:93:VAL:H	3:M:725:ARG:HB2	1.36	0.84
3:M:511:GLU:CB	3:M:766:PHE:CE1	2.56	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:502:GLU:HG2	3:M:714:ARG:HD2	1.60	0.84
3:M:502:GLU:HB3	3:M:714:ARG:NH1	1.92	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:91:MET:HE3	3:M:119:SER:HB2	1.57	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
2:C:96:LYS:NZ	3:M:725:ARG:HG2	1.93	0.84
2:C:139:TYR:CE1	3:M:725:ARG:NH1	2.45	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.84
3:M:510:TRP:CD2	3:M:711:PHE:HD2	1.95	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.84
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.63	0.84
3:M:777:GLU:HG2	3:M:781:ASP:OD2	1.77	0.84
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.84
1:B:124:GLN:CB	2:C:16:LEU:O	2.26	0.84
2:C:98:GLY:CA	3:M:740:SER:OG	2.25	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.77	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.84
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.84
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.84
3:M:804:ARG:HG2	3:M:808:GLU:OE2	1.77	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.84
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.84
3:M:510:TRP:CE3	3:M:711:PHE:O	2.31	0.84
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.84
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.84
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.83
1:B:112:ILE:HG13	2:C:125:GLU:CG	2.07	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
2:C:96:LYS:HZ2	3:M:725:ARG:HD3	0.94	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	2.65	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	1.96	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:503:TYR:HD1	3:M:766:PHE:HE2	0.84	0.83
3:M:508:ILE:HG22	3:M:766:PHE:CB	2.07	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:511:GLU:H	3:M:714:ARG:HD3	1.42	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.83
3:M:803:TYR:HA	3:M:806:MET:HG3	1.61	0.83
1:B:110:GLY:CA	2:C:127:MET:HB2	2.08	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.83
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.83
1:B:123:THR:CG2	2:C:19:ARG:HD3	2.07	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
1:B:109:LYS:HG2	2:C:130:GLN:H	0.67	0.83
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.92	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:778:MET:HA	3:M:781:ASP:HB2	1.61	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:779:ARG:O	3:M:783:LEU:CD1	2.26	0.83
3:M:508:ILE:CB	3:M:766:PHE:CE2	2.62	0.83
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.83
1:B:113:LYS:HE2	2:C:121:GLU:CG	2.07	0.83
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:804:ARG:C	3:M:808:GLU:HB2	2.04	0.83
2:C:106:GLU:HB2	3:M:722:GLN:CB	1.94	0.83
2:C:139:TYR:OH	3:M:725:ARG:HB2	1.78	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:510:TRP:CE3	3:M:711:PHE:CG	2.48	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
2:C:93:VAL:CA	3:M:725:ARG:C	2.47	0.83
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.83
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.83
3:M:509:GLU:H	3:M:714:ARG:HD2	1.41	0.83
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:726:VAL:CG1	3:M:783:LEU:HG	2.09	0.83
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.83
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.83
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.83
3:M:418:THR:HB	3:M:421:GLN:HG3	1.60	0.83
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.11	0.83
3:M:709:LYS:C	3:M:710:GLY:HA2	2.02	0.83
2:C:17:PHE:CZ	3:M:806:MET:HE2	1.37	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.83
3:M:510:TRP:CD2	3:M:711:PHE:HD2	1.88	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.83
3:M:779:ARG:CD	3:M:783:LEU:HD22	2.09	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.60	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:123:THR:HB	2:C:19:ARG:HG2	1.58	0.82
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.82
3:M:508:ILE:HA	3:M:714:ARG:HB2	1.58	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:120:LEU:HD23	2:C:19:ARG:NH2	1.93	0.82
3:M:509:GLU:N	3:M:766:PHE:CE1	2.28	0.82
3:M:709:LYS:C	3:M:710:GLY:HA2	2.03	0.82
3:M:778:MET:O	3:M:782:LYS:N	2.11	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.12	0.82
3:M:508:ILE:HG23	3:M:766:PHE:CB	2.03	0.82
2:C:96:LYS:CG	3:M:725:ARG:HE	1.86	0.82
3:M:508:ILE:O	3:M:714:ARG:HD2	1.78	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
2:C:92:ARG:NH1	3:M:736:GLN:NE2	2.26	0.82
3:M:511:GLU:OE1	3:M:764:LYS:NZ	2.11	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:510:TRP:CB	3:M:766:PHE:CD2	2.62	0.82
1:B:120:LEU:HA	2:C:19:ARG:HH12	1.43	0.82
3:M:805:ARG:C	3:M:806:MET:C	2.46	0.82
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.82
1:B:107:ASP:N	3:M:797:PHE:HE2	1.77	0.82
3:M:804:ARG:HG2	3:M:808:GLU:CD	2.03	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CZ3	3:M:711:PHE:CG	2.44	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
3:M:805:ARG:HA	3:M:808:GLU:C	2.01	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.82
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:508:ILE:HD11	3:M:714:ARG:CG	2.10	0.82
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.47	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
2:C:98:GLY:HA2	3:M:738:MET:N	1.95	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.82
3:M:273:SER:HG	3:M:598:LYS:HD3	1.41	0.82
3:M:273:SER:HG	3:M:598:LYS:HD3	1.41	0.82
2:C:94:PHE:HB2	3:M:722:GLN:CD	2.02	0.82
3:M:273:SER:HG	3:M:598:LYS:HD3	1.41	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:273:SER:HG	3:M:598:LYS:HD3	1.41	0.82
3:M:508:ILE:HG21	3:M:766:PHE:HB2	1.32	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:273:SER:HG	3:M:598:LYS:HD3	1.41	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HG	3:M:598:LYS:HD3	1.41	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.82
2:C:98:GLY:HA2	3:M:738:MET:H	1.43	0.82
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.82
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.39	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.17	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
2:C:100:GLY:HA3	3:M:736:GLN:HA	0.84	0.82
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.82
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.82
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.82
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.82
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.63	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	2.15	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.79	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.79	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.79	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:508:ILE:CG2	3:M:714:ARG:HH12	1.93	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.81
3:M:805:ARG:O	3:M:807:VAL:N	2.13	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.61	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:503:TYR:HA	3:M:714:ARG:HD2	1.63	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
2:C:96:LYS:CE	3:M:725:ARG:CG	2.53	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:509:GLU:OE2	3:M:763:THR:C	2.24	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
2:C:89:GLU:CB	3:M:730:SER:CA	2.58	0.81
2:C:94:PHE:HD2	3:M:723:ARG:O	1.63	0.81
2:C:94:PHE:HB2	3:M:725:ARG:HB2	1.62	0.81
2:C:139:TYR:CD2	3:M:725:ARG:HD2	2.15	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:503:TYR:CA	3:M:714:ARG:NH1	2.35	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:709:LYS:HB3	3:M:711:PHE:CE2	2.14	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.48	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:508:ILE:HG23	3:M:714:ARG:CD	2.03	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:779:ARG:HG2	3:M:783:LEU:HD13	0.82	0.81
3:M:802:GLU:O	3:M:806:MET:CG	2.25	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
2:C:139:TYR:CB	3:M:736:GLN:HG2	2.10	0.81
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
2:C:16:LEU:CD2	3:M:810:ARG:NH2	2.43	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:508:ILE:HD12	3:M:714:ARG:HD3	1.61	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.81
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:508:ILE:HD13	3:M:712:PRO:O	1.79	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:508:ILE:HG22	3:M:714:ARG:HD2	0.96	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:HB2	3:M:764:LYS:C	2.06	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:502:GLU:HB3	3:M:714:ARG:NH1	1.95	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
1:B:126:ASP:CB	2:C:22:ASP:OD1	2.28	0.81
3:M:511:GLU:N	3:M:714:ARG:CD	2.42	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.95	0.81
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.81
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.81
1:B:108:GLY:C	2:C:126:LEU:C	2.49	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
2:C:96:LYS:HD3	3:M:747:LEU:HA	0.82	0.81
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.16	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
3:M:506:GLU:O	3:M:764:LYS:HG2	1.80	0.80
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.80
3:M:509:GLU:CB	3:M:760:PHE:O	2.28	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:510:TRP:HE3	3:M:766:PHE:CB	1.77	0.80
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.80
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.16	0.80
2:C:98:GLY:C	3:M:740:SER:HB2	2.06	0.80
3:M:510:TRP:CE2	3:M:711:PHE:N	2.50	0.80
2:C:96:LYS:CG	3:M:725:ARG:CG	2.58	0.80
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.42	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.80
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.80
3:M:509:GLU:C	3:M:766:PHE:CZ	2.45	0.80
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.80
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.80
3:M:506:GLU:O	3:M:763:THR:CA	2.29	0.80
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:507:GLY:CA	3:M:763:THR:H	1.95	0.80
1:B:124:GLN:CG	2:C:16:LEU:CA	2.55	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:510:TRP:CH2	3:M:766:PHE:CB	2.62	0.80
3:M:709:LYS:C	3:M:710:GLY:C	2.50	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:109:LYS:NZ	2:C:142:PHE:CZ	2.48	0.80
3:M:510:TRP:HE3	3:M:766:PHE:CG	1.85	0.80
1:B:127:ARG:N	2:C:19:ARG:O	2.14	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.16	0.80
3:M:726:VAL:CG1	3:M:786:ILE:HD12	2.10	0.80
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.80
1:B:113:LYS:NZ	2:C:122:GLU:HG3	1.97	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.80
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.80
2:C:96:LYS:HD2	3:M:725:ARG:HG3	0.83	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:726:VAL:HG13	3:M:786:ILE:HD12	1.62	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
2:C:99:ASN:CB	3:M:739:ASP:H	1.93	0.80
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.80
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.80
3:M:508:ILE:HG23	3:M:766:PHE:HA	1.63	0.80
3:M:509:GLU:HB2	3:M:764:LYS:C	2.06	0.80
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.80
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.80
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:124:GLN:HA	2:C:17:PHE:CA	2.12	0.80
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.80
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.80
3:M:804:ARG:O	3:M:808:GLU:CD	2.24	0.80
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.80
3:M:510:TRP:HZ3	3:M:767:PHE:H	1.26	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.80
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.79	0.80
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.13	0.80
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.79	0.80
3:M:726:VAL:HG22	3:M:786:ILE:CG2	2.06	0.80
3:M:508:ILE:CB	3:M:714:ARG:NH1	2.45	0.80
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.80
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.79	0.80
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.79	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.80
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.80
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.80
3:M:709:LYS:C	3:M:710:GLY:HA2	2.05	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
1:B:126:ASP:HA	2:C:20:THR:C	2.06	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:779:ARG:HG2	3:M:783:LEU:HD22	1.60	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.79
3:M:709:LYS:C	3:M:710:GLY:N	2.40	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:511:GLU:HB2	3:M:766:PHE:CE1	2.16	0.79
2:C:139:TYR:CE1	3:M:721:LYS:HG2	2.18	0.79
3:M:726:VAL:HG21	3:M:786:ILE:HG21	1.64	0.79
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.79
3:M:510:TRP:CE3	3:M:711:PHE:O	2.36	0.79
1:B:113:LYS:HE3	2:C:121:GLU:HB3	1.60	0.79
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.79
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.80	0.79
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.79
3:M:726:VAL:HG13	3:M:786:ILE:CD1	2.12	0.79
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
2:C:140:GLU:N	3:M:736:GLN:HG2	1.96	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:509:GLU:HG3	3:M:764:LYS:NZ	1.67	0.79
2:C:96:LYS:CB	3:M:725:ARG:CD	2.60	0.79
2:C:96:LYS:HZ3	3:M:729:ALA:CA	1.78	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
2:C:92:ARG:CB	3:M:721:LYS:HG2	2.10	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:503:TYR:CD2	3:M:714:ARG:CZ	2.66	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.18	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:510:TRP:CB	3:M:714:ARG:NE	2.45	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:503:TYR:HA	3:M:714:ARG:HH11	1.48	0.79
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.79
2:C:94:PHE:O	3:M:722:GLN:HA	1.81	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
2:C:94:PHE:CB	3:M:724:TYR:N	2.45	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
1:B:112:ILE:CG1	2:C:125:GLU:CG	2.61	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.79
2:C:89:GLU:OE1	3:M:730:SER:CB	2.09	0.79
2:C:93:VAL:C	3:M:747:LEU:HD11	2.08	0.79
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.79
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.79
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.79
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.79
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
2:C:92:ARG:NE	3:M:732:ILE:CD1	2.46	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.78
1:B:123:THR:HG22	2:C:19:ARG:HD3	1.58	0.78
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:779:ARG:CG	3:M:783:LEU:CD2	2.62	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
2:C:17:PHE:CZ	3:M:806:MET:HE1	0.33	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:709:LYS:HB3	3:M:711:PHE:HE2	1.47	0.78
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.13	0.78
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:508:ILE:HD11	3:M:714:ARG:HH12	1.41	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:503:TYR:HB2	3:M:714:ARG:HH12	1.46	0.78
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:510:TRP:CE3	3:M:712:PRO:C	2.61	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:508:ILE:HG23	3:M:766:PHE:CZ	2.19	0.78
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.78
3:M:805:ARG:C	3:M:806:MET:CA	2.46	0.78
3:M:506:GLU:CD	3:M:764:LYS:NZ	2.38	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.30	0.78
2:C:92:ARG:CD	3:M:736:GLN:NE2	2.46	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.30	0.78
3:M:506:GLU:HB3	3:M:764:LYS:HE3	1.65	0.78
3:M:709:LYS:C	3:M:710:GLY:HA2	2.06	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.30	0.78
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.16	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.15	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:502:GLU:CG	3:M:714:ARG:CD	2.57	0.78
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.78
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.78
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.78
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.78
1:B:113:LYS:CG	2:C:121:GLU:CG	2.00	0.78
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.78
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:O	3:M:710:GLY:C	2.26	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.38	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:709:LYS:CG	3:M:711:PHE:HE2	1.97	0.78
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
1:B:113:LYS:HG3	2:C:121:GLU:CB	2.12	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.28	0.78
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.78
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.78
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.40	0.78
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.40	0.78
3:M:509:GLU:OE1	3:M:716:LEU:N	2.17	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.40	0.78
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.40	0.78
3:M:510:TRP:CZ3	3:M:766:PHE:CB	2.67	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.40	0.78
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.40	0.78
1:B:109:LYS:CD	2:C:131:GLU:CG	2.19	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
2:C:93:VAL:HG21	3:M:729:ALA:H	1.43	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.80	0.78
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
2:C:96:LYS:NZ	3:M:725:ARG:NH1	2.15	0.78
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:510:TRP:CB	3:M:714:ARG:CZ	2.55	0.78
1:B:113:LYS:HG3	2:C:121:GLU:CG	1.93	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
2:C:114:LEU:HD13	3:M:779:ARG:NH1	1.99	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.80	0.77
3:M:778:MET:C	3:M:782:LYS:CB	2.47	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.77
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.77
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.77
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.14	0.77
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.77
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
2:C:88:VAL:HG13	3:M:736:GLN:OE1	1.52	0.77
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:805:ARG:O	3:M:809:ARG:CG	2.32	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:508:ILE:HG12	3:M:766:PHE:N	1.91	0.77
2:C:89:GLU:CA	3:M:730:SER:N	2.48	0.77
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.32	0.77
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.77
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.77
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.77
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.77
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.77
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.77
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
1:B:107:ASP:O	2:C:128:LYS:CA	2.32	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:506:GLU:O	3:M:764:LYS:HE2	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:166:MET:HE1	3:M:254:PHE:CD2	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:510:TRP:CZ3	3:M:766:PHE:HD2	1.97	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.77
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.19	0.77
1:B:123:THR:HG21	2:C:19:ARG:HH11	1.49	0.77
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.77
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.77
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.77
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.77
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.77
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.77
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:503:TYR:HA	3:M:714:ARG:CD	2.13	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
2:C:92:ARG:HH11	3:M:736:GLN:NE2	1.81	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.77
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.77
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.73	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.77
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.77
3:M:510:TRP:CH2	3:M:711:PHE:HB2	2.20	0.77
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.77
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.77
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.77
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.77
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.77
1:B:125:CYS:CA	2:C:18:ASP:CB	2.60	0.77
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.76
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.76
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.76
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.76
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.76
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.76
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.76
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.76
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.76
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.76
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.76
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.76
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.76
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.76
2:C:100:GLY:CA	3:M:736:GLN:CA	2.45	0.76
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.76
2:C:96:LYS:HZ3	3:M:725:ARG:NH1	1.80	0.76
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.76
2:C:93:VAL:CA	3:M:747:LEU:CD1	2.56	0.76
3:M:779:ARG:O	3:M:783:LEU:HD13	1.85	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.69	0.76
2:C:97:GLU:CB	3:M:745:GLU:H	1.98	0.76
3:M:510:TRP:CE3	3:M:766:PHE:CB	2.59	0.76
3:M:503:TYR:HE1	3:M:714:ARG:CZ	1.98	0.76
3:M:508:ILE:CG2	3:M:714:ARG:NH1	2.44	0.76
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.14	0.76
3:M:709:LYS:O	3:M:711:PHE:CG	2.38	0.76
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.14	0.76
3:M:510:TRP:CE3	3:M:711:PHE:HE2	2.04	0.76
3:M:510:TRP:NE1	3:M:711:PHE:H	1.82	0.76
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.39	0.76
2:C:96:LYS:CB	3:M:725:ARG:HD2	2.15	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:708:ARG:O	3:M:768:LYS:NZ	2.15	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:778:MET:CA	3:M:782:LYS:HG3	2.15	0.76
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.76
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.76
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.76
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.76
1:B:124:GLN:CB	2:C:19:ARG:HE	1.99	0.76
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.76
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.76
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.76
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.76
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.76
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.76
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.76
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.47	0.76
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.76
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.76
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.76
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.76
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.76
3:M:508:ILE:CG2	3:M:766:PHE:CZ	2.69	0.76
3:M:709:LYS:C	3:M:710:GLY:HA2	2.09	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:96:LYS:HG3	3:M:725:ARG:CD	2.15	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:502:GLU:CB	3:M:714:ARG:HH11	1.98	0.76
3:M:510:TRP:NE1	3:M:711:PHE:N	2.25	0.76
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.76
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.76
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.76
3:M:709:LYS:C	3:M:710:GLY:N	2.44	0.76
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.76
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.76
1:B:123:THR:CG2	2:C:19:ARG:NH1	2.46	0.76
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.76
3:M:709:LYS:C	3:M:710:GLY:HA2	2.09	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
1:B:113:LYS:NZ	2:C:122:GLU:H	1.84	0.76
3:M:805:ARG:O	3:M:809:ARG:N	2.18	0.75
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.75
3:M:511:GLU:OE2	3:M:761:GLY:CA	2.31	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
2:C:94:PHE:CB	3:M:722:GLN:CD	2.58	0.75
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
1:B:126:ASP:CB	2:C:22:ASP:H	1.89	0.75
1:B:123:THR:HB	2:C:19:ARG:NE	1.93	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
2:C:93:VAL:CA	3:M:725:ARG:CB	2.52	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:510:TRP:CH2	3:M:766:PHE:HD2	2.03	0.75
3:M:510:TRP:HZ2	3:M:711:PHE:HD2	1.31	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:777:GLU:O	3:M:781:ASP:N	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:709:LYS:C	3:M:710:GLY:O	2.29	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.51	0.75
2:C:96:LYS:CE	3:M:725:ARG:HE	2.00	0.75
1:B:109:LYS:HZ2	2:C:137:ILE:HG22	1.49	0.75
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.75
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
1:B:110:GLY:N	2:C:127:MET:CB	2.27	0.75
2:C:93:VAL:C	3:M:726:VAL:HG23	2.10	0.75
2:C:93:VAL:CG2	3:M:729:ALA:HB2	2.16	0.75
3:M:508:ILE:HD13	3:M:714:ARG:HD3	1.57	0.75
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:804:ARG:CB	3:M:808:GLU:CD	2.60	0.75
2:C:88:VAL:HG12	3:M:736:GLN:CD	2.07	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:778:MET:HB3	3:M:782:LYS:CG	2.16	0.75
2:C:89:GLU:CB	3:M:729:ALA:C	2.59	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
3:M:802:GLU:OE2	3:M:809:ARG:CZ	2.35	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:709:LYS:HA	3:M:768:LYS:CE	2.17	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
1:B:127:ARG:N	2:C:19:ARG:C	2.44	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.75
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.75
2:C:96:LYS:HZ3	3:M:729:ALA:HA	0.93	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
1:B:116:PHE:HE1	2:C:121:GLU:OE1	1.69	0.75
1:B:126:ASP:HA	2:C:20:THR:N	1.99	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.75
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.75
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.75
3:M:804:ARG:O	3:M:808:GLU:OE1	2.01	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:502:GLU:CB	3:M:714:ARG:NH1	2.27	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:803:TYR:HA	3:M:806:MET:SD	2.26	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:503:TYR:CD1	3:M:714:ARG:NH1	2.54	0.75
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.83	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.75
3:M:709:LYS:C	3:M:710:GLY:O	2.30	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:778:MET:HA	3:M:782:LYS:HG3	1.67	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.49	0.74
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.72	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:709:LYS:C	3:M:710:GLY:HA2	2.11	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:779:ARG:O	3:M:783:LEU:HD13	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.22	0.74
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.18	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
2:C:93:VAL:HG22	3:M:725:ARG:C	2.09	0.74
3:M:509:GLU:O	3:M:766:PHE:CE2	2.26	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
3:M:508:ILE:CG1	3:M:714:ARG:HD3	2.16	0.74
3:M:510:TRP:CH2	3:M:766:PHE:HB3	2.22	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
2:C:92:ARG:NH1	3:M:735:GLY:O	2.21	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.91	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
3:M:709:LYS:C	3:M:710:GLY:C	2.52	0.74
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.74
3:M:709:LYS:O	3:M:710:GLY:O	2.06	0.74
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.74
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.74
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.76	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:508:ILE:HG23	3:M:713:SER:HA	1.70	0.74
1:B:123:THR:HG21	2:C:19:ARG:NH1	2.02	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:O	3:M:722:GLN:OE1	2.03	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.22	0.74
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.74
3:M:508:ILE:HG23	3:M:766:PHE:HB2	1.67	0.74
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.74
3:M:779:ARG:HA	3:M:783:LEU:HD11	1.66	0.74
3:M:726:VAL:HG22	3:M:786:ILE:CG2	2.13	0.74
3:M:779:ARG:C	3:M:780:ASP:C	2.55	0.74
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.24	0.74
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.74
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.74
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.74
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.74
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.66	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.74
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.74
3:M:511:GLU:CD	3:M:766:PHE:HE1	1.96	0.74
1:B:108:GLY:CA	2:C:126:LEU:O	2.35	0.74
3:M:779:ARG:C	3:M:783:LEU:HD13	2.12	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:273:SER:HG	3:M:598:LYS:HD3	1.51	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:273:SER:HG	3:M:598:LYS:HD3	1.51	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:273:SER:HG	3:M:598:LYS:HD3	1.51	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:273:SER:HG	3:M:598:LYS:HD3	1.51	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:273:SER:HG	3:M:598:LYS:HD3	1.51	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HG	3:M:598:LYS:HD3	1.51	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:805:ARG:C	3:M:806:MET:C	2.55	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.74
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.74
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.74
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.74
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.74
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:508:ILE:HD13	3:M:714:ARG:CD	2.15	0.73
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:805:ARG:O	3:M:806:MET:O	2.04	0.73
2:C:89:GLU:CB	3:M:730:SER:HB3	2.17	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:508:ILE:HB	3:M:714:ARG:NH1	2.02	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.22	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.73
1:B:113:LYS:CD	2:C:121:GLU:CG	2.57	0.73
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.73
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:503:TYR:CB	3:M:766:PHE:CE2	2.60	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
1:B:120:LEU:O	2:C:19:ARG:NH1	2.21	0.73
1:B:123:THR:HB	2:C:19:ARG:HG2	1.68	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.94	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.30	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.97	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:726:VAL:HG11	3:M:783:LEU:HG	1.71	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:509:GLU:OE1	3:M:761:GLY:HA2	1.89	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.69	0.73
3:M:510:TRP:CE3	3:M:711:PHE:HE2	2.07	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.73
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.73
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.73
3:M:726:VAL:HG12	3:M:782:LYS:O	1.87	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.73
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.73
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.73
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:506:GLU:HG2	3:M:714:ARG:HB2	1.69	0.73
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.73
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.73
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.73
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:508:ILE:HD11	3:M:714:ARG:CB	2.18	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:735:GLY:CA	3:M:738:MET:HE2	2.06	0.73
3:M:779:ARG:CD	3:M:783:LEU:CD2	2.67	0.73
3:M:509:GLU:CG	3:M:764:LYS:O	2.35	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:510:TRP:CA	3:M:714:ARG:NE	2.45	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
2:C:94:PHE:CD1	3:M:725:ARG:CB	2.69	0.73
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.73
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.73
3:M:508:ILE:CB	3:M:766:PHE:CD2	2.71	0.73
3:M:779:ARG:O	3:M:780:ASP:C	2.32	0.73
3:M:779:ARG:CA	3:M:783:LEU:HD13	2.18	0.73
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
1:B:106:PRO:CD	2:C:128:LYS:NZ	2.30	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	2.07	0.73
2:C:94:PHE:HB3	3:M:723:ARG:N	2.03	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:779:ARG:C	3:M:783:LEU:HD13	2.14	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:511:GLU:N	3:M:766:PHE:CE1	2.56	0.73
3:M:502:GLU:HB3	3:M:714:ARG:HH12	1.54	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:508:ILE:HG21	3:M:766:PHE:HE2	1.52	0.73
3:M:709:LYS:C	3:M:710:GLY:N	2.47	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
2:C:92:ARG:NH2	3:M:736:GLN:O	2.20	0.73
3:M:508:ILE:HD11	3:M:712:PRO:O	1.87	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.72
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.72
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.72
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.72
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.72
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.72
3:M:510:TRP:CE3	3:M:714:ARG:NE	2.57	0.72
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.72
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
2:C:96:LYS:CB	3:M:725:ARG:CG	2.59	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:805:ARG:O	3:M:809:ARG:CG	2.36	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.16	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.16	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:509:GLU:N	3:M:714:ARG:HH11	1.87	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:510:TRP:NE1	3:M:711:PHE:HD2	1.88	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.17	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.72
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.72
3:M:726:VAL:O	3:M:786:ILE:CD1	2.36	0.72
3:M:510:TRP:CZ3	3:M:711:PHE:CD1	2.61	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:510:TRP:CZ3	3:M:767:PHE:N	2.57	0.72
2:C:96:LYS:HZ3	3:M:725:ARG:CD	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.72
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.72
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.13	0.72
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.72
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.72
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.72
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.72
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.72
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.72
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.31	0.72
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.72
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.72
1:B:125:CYS:HA	2:C:18:ASP:CB	2.17	0.72
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.72
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.72
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
2:C:94:PHE:HD2	3:M:779:ARG:NH2	1.85	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.98	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
1:B:124:GLN:CD	2:C:16:LEU:O	2.32	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:779:ARG:CB	3:M:783:LEU:HD13	2.18	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
1:B:107:ASP:CB	2:C:126:LEU:CD2	2.42	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.72
3:M:510:TRP:HZ3	3:M:767:PHE:N	1.87	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
2:C:96:LYS:HB2	3:M:725:ARG:CD	2.18	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.72
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
2:C:94:PHE:CD2	3:M:723:ARG:O	2.38	0.72
3:M:709:LYS:CA	3:M:711:PHE:CE2	2.72	0.72
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:709:LYS:C	3:M:710:GLY:O	2.33	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:509:GLU:OE1	3:M:760:PHE:O	2.08	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.19	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
2:C:16:LEU:C	3:M:806:MET:HE1	2.14	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71
3:M:503:TYR:CD1	3:M:766:PHE:HE2	2.08	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:510:TRP:HE3	3:M:714:ARG:NE	1.56	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:726:VAL:HG11	3:M:783:LEU:CD2	2.20	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:778:MET:CB	3:M:782:LYS:HD2	2.18	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.71
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.71
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.71
3:M:726:VAL:CG1	3:M:782:LYS:O	2.37	0.71
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.71
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.71
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.71
3:M:510:TRP:CZ3	3:M:766:PHE:CG	2.76	0.71
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.71
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.71
3:M:709:LYS:HG2	3:M:711:PHE:HE2	1.54	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.71
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.71
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:510:TRP:N	3:M:766:PHE:CZ	2.50	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
1:B:123:THR:HG1	2:C:19:ARG:CZ	2.02	0.71
2:C:92:ARG:HG2	3:M:736:GLN:HE22	1.53	0.71
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.71
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.71
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.71
1:B:106:PRO:HG3	3:M:801:VAL:CG1	2.20	0.71
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.71
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.71
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.71
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.71
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.71
2:C:140:GLU:CD	3:M:737:PHE:H	1.97	0.71
3:M:509:GLU:OE1	3:M:761:GLY:O	2.06	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71
3:M:510:TRP:HE1	3:M:711:PHE:HD2	1.39	0.71
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.42	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.28	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.71
1:B:105:ASP:O	2:C:125:GLU:O	2.08	0.71
1:B:106:PRO:CG	3:M:801:VAL:HG11	2.19	0.71
1:B:107:ASP:HB2	2:C:126:LEU:HA	1.73	0.71
2:C:89:GLU:CG	3:M:732:ILE:CB	2.67	0.71
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:508:ILE:CD1	3:M:714:ARG:HB3	2.20	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
2:C:99:ASN:OD1	3:M:738:MET:SD	2.48	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.73	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.23	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
1:B:107:ASP:HB3	2:C:126:LEU:HD23	0.73	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.71
3:M:503:TYR:CD1	3:M:766:PHE:CD2	2.78	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:508:ILE:HD13	3:M:714:ARG:CZ	2.12	0.71
1:B:116:PHE:HE2	2:C:125:GLU:OE2	1.72	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:502:GLU:CG	3:M:714:ARG:HH11	2.03	0.71
2:C:140:GLU:CD	3:M:736:GLN:C	2.52	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:503:TYR:HD1	3:M:766:PHE:CE2	1.98	0.71
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.71
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.71
2:C:93:VAL:HA	3:M:725:ARG:HG2	1.72	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.71
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.12	0.71
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.71
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.71
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:510:TRP:HZ3	3:M:766:PHE:C	1.97	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71
2:C:98:GLY:HA2	3:M:740:SER:OG	1.91	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
2:C:17:PHE:CZ	3:M:806:MET:SD	2.47	0.71
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:90:GLY:CA	3:M:725:ARG:HB3	2.21	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:779:ARG:O	3:M:783:LEU:HD13	1.90	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:805:ARG:O	3:M:809:ARG:HB2	1.91	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.74	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.70
3:M:709:LYS:C	3:M:710:GLY:HA2	2.14	0.70
3:M:510:TRP:N	3:M:714:ARG:CZ	2.41	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.25	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.77	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.27	0.70
3:M:506:GLU:CG	3:M:764:LYS:HZ2	1.78	0.70
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.25	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.70
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.70
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.70
3:M:502:GLU:CB	3:M:714:ARG:NH1	2.54	0.70
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.70
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.70
3:M:777:GLU:O	3:M:780:ASP:N	2.24	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:509:GLU:CD	3:M:764:LYS:HZ3	1.97	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:109:LYS:CG	2:C:130:GLN:CB	2.49	0.70
2:C:92:ARG:HH12	3:M:732:ILE:C	1.99	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:139:TYR:HB2	3:M:736:GLN:HG2	1.72	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
2:C:94:PHE:C	3:M:723:ARG:N	2.45	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:510:TRP:NE1	3:M:711:PHE:N	2.38	0.70
3:M:74:GLU:CB	3:M:752:ASP:CG	2.63	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
2:C:90:GLY:HA2	3:M:726:VAL:N	2.07	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:779:ARG:CA	3:M:783:LEU:CD1	2.70	0.70
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.17	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:510:TRP:HB2	3:M:766:PHE:CE2	2.27	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.70
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.70
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:805:ARG:O	3:M:809:ARG:CB	2.39	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:503:TYR:CE1	3:M:714:ARG:NH1	2.58	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:112:ILE:CG1	2:C:125:GLU:CD	2.62	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.73	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.73	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.73	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.73	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:726:VAL:CG1	3:M:786:ILE:CD1	2.70	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.73	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.73	0.70
2:C:93:VAL:CB	3:M:725:ARG:HB3	2.21	0.69
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.69
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:709:LYS:C	3:M:710:GLY:HA2	2.16	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:508:ILE:HG22	3:M:766:PHE:CD1	2.23	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
2:C:94:PHE:O	3:M:722:GLN:OE1	2.10	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.57	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.27	0.69
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.78	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
2:C:92:ARG:NH1	3:M:732:ILE:CD1	2.53	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:803:TYR:HA	3:M:806:MET:CG	2.22	0.69
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:510:TRP:HZ3	3:M:766:PHE:CA	2.03	0.69
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.69
3:M:509:GLU:HB2	3:M:760:PHE:O	1.91	0.69
2:C:92:ARG:CD	3:M:725:ARG:HH12	2.05	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
1:B:113:LYS:CE	2:C:121:GLU:CA	2.69	0.69
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.57	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:507:GLY:HA3	3:M:764:LYS:N	2.06	0.69
3:M:507:GLY:C	3:M:764:LYS:O	2.35	0.69
2:C:89:GLU:CG	3:M:730:SER:HB2	2.10	0.69
3:M:510:TRP:HZ3	3:M:766:PHE:CA	2.04	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
3:M:508:ILE:HA	3:M:714:ARG:CB	2.21	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.69
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
3:M:508:ILE:CG1	3:M:766:PHE:HZ	2.04	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:503:TYR:CE1	3:M:766:PHE:CE2	2.79	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
2:C:94:PHE:CD2	3:M:724:TYR:N	2.60	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:503:TYR:HB2	3:M:714:ARG:NH1	2.03	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:506:GLU:HB3	3:M:766:PHE:CE1	2.27	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.57	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.73	0.69
3:M:508:ILE:CD1	3:M:714:ARG:HH11	2.04	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.27	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
2:C:90:GLY:C	3:M:726:VAL:HA	2.17	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:509:GLU:C	3:M:714:ARG:HD3	2.18	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
2:C:17:PHE:CE1	3:M:806:MET:SD	2.86	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.69
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.69
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.32	0.69
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:709:LYS:O	3:M:711:PHE:CG	2.45	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.07	0.69
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:113:LYS:NZ	2:C:122:GLU:H	1.90	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
2:C:92:ARG:NH1	3:M:732:ILE:O	2.26	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.27	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:709:LYS:CA	3:M:768:LYS:HZ1	2.06	0.69
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
3:M:166:MET:HE1	3:M:254:PHE:HD2	1.56	0.69
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.69
1:B:120:LEU:CD2	2:C:19:ARG:NH2	2.52	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.69
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.69
1:B:104:LEU:O	2:C:125:GLU:OE1	2.11	0.69
2:C:93:VAL:HA	3:M:725:ARG:CG	2.18	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.69
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:779:ARG:O	3:M:780:ASP:O	2.10	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.69
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.69
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
2:C:93:VAL:C	3:M:726:VAL:CG2	2.65	0.69
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:106:PRO:CG	3:M:801:VAL:CG1	2.64	0.69
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.69
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
2:C:140:GLU:CA	3:M:736:GLN:CD	2.66	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.68
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
2:C:110:VAL:HG22	3:M:779:ARG:HH22	1.58	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:779:ARG:CG	3:M:783:LEU:CG	2.71	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:509:GLU:OE2	3:M:760:PHE:O	2.10	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:777:GLU:O	3:M:780:ASP:N	2.26	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:510:TRP:HZ2	3:M:711:PHE:CD2	2.10	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
2:C:89:GLU:HA	3:M:729:ALA:O	1.94	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:805:ARG:O	3:M:806:MET:C	2.36	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.68
2:C:89:GLU:OE2	3:M:730:SER:HB2	1.93	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:726:VAL:HG11	3:M:783:LEU:HA	1.76	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.56	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:503:TYR:CB	3:M:766:PHE:CZ	2.74	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:510:TRP:HB2	3:M:714:ARG:NH1	2.05	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
1:B:120:LEU:HD22	2:C:19:ARG:NH2	2.02	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.68
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:74:GLU:CG	3:M:752:ASP:CG	2.42	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:112:ILE:HG12	2:C:125:GLU:OE2	1.93	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.68
3:M:503:TYR:HA	3:M:766:PHE:HZ	1.57	0.68
2:C:93:VAL:C	3:M:747:LEU:CD1	2.66	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.68
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.68
2:C:92:ARG:HB2	3:M:725:ARG:HH11	1.58	0.68
3:M:709:LYS:HG2	3:M:711:PHE:CE2	2.28	0.68
2:C:17:PHE:CD2	3:M:806:MET:HE1	2.29	0.68
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
2:C:92:ARG:HD3	3:M:731:ALA:C	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:726:VAL:HG11	3:M:783:LEU:CG	2.24	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.68
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.56	0.68
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.82	0.68
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.81	0.68
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.68
2:C:101:THR:HB	3:M:740:SER:CA	2.22	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.68
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.68
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.68
3:M:776:GLU:O	3:M:780:ASP:N	2.26	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.68
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.68
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.68
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.68
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.68
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:805:ARG:O	3:M:809:ARG:HG3	1.93	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:125:CYS:H	2:C:18:ASP:N	1.90	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
1:B:124:GLN:C	2:C:19:ARG:HA	2.18	0.68
1:B:106:PRO:HB3	3:M:801:VAL:HG11	0.74	0.68
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:508:ILE:HD13	3:M:714:ARG:HH11	1.29	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:123:THR:HB	2:C:19:ARG:CG	2.23	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.22	0.68
2:C:96:LYS:H	3:M:725:ARG:HD2	1.58	0.68
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.68
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.68
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.68
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.68
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.68
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.68
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.68
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.57	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
3:M:508:ILE:HG23	3:M:766:PHE:CE2	2.29	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.42	0.67
1:B:108:GLY:O	2:C:127:MET:CA	2.34	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:93:VAL:HG13	3:M:725:ARG:N	2.10	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
2:C:93:VAL:HG11	3:M:726:VAL:HG22	1.73	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.67
2:C:96:LYS:HZ1	3:M:729:ALA:HA	0.85	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.83	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.67
3:M:709:LYS:C	3:M:768:LYS:HZ1	2.02	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.28	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.67
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.67
3:M:509:GLU:OE1	3:M:764:LYS:O	2.11	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.67
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.67
2:C:97:GLU:CA	3:M:721:LYS:HZ1	1.96	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.67
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.28	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.67
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.67
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.67
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.67
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.67
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.67
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.67
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.67
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.67
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.67
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.67
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.67
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.67
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.67
2:C:97:GLU:CA	3:M:721:LYS:HZ3	1.94	0.67
3:M:709:LYS:O	3:M:711:PHE:N	2.28	0.67
3:M:510:TRP:CD2	3:M:711:PHE:HE2	2.10	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:503:TYR:CA	3:M:766:PHE:CZ	2.62	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
2:C:94:PHE:O	3:M:722:GLN:C	2.38	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.67
3:M:510:TRP:CZ2	3:M:711:PHE:HB2	2.29	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
2:C:139:TYR:CZ	3:M:725:ARG:CD	2.73	0.67
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.67
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:CG	3:M:768:LYS:HE3	2.14	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
2:C:92:ARG:NH1	3:M:731:ALA:C	2.51	0.67
2:C:96:LYS:NZ	3:M:747:LEU:HG	2.10	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
1:B:107:ASP:HB2	2:C:125:GLU:HA	1.75	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:804:ARG:C	3:M:808:GLU:OE1	2.37	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.67
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.30	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.67
3:M:507:GLY:HA3	3:M:763:THR:N	2.08	0.67
2:C:92:ARG:NH1	3:M:731:ALA:O	2.27	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.59	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.67
1:B:106:PRO:HD2	2:C:128:LYS:NZ	2.10	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.76	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:87:LYS:NZ	3:M:829:TRP:HZ2	1.76	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:510:TRP:HA	3:M:766:PHE:CZ	2.23	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.67
3:M:709:LYS:C	3:M:710:GLY:C	2.63	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.67
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.66
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.66
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:511:GLU:CD	3:M:764:LYS:HZ1	2.01	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:93:VAL:HG23	3:M:729:ALA:CB	2.21	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.66
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.66
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.66
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.66
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.66
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:709:LYS:O	3:M:710:GLY:C	2.37	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
3:M:508:ILE:HG22	3:M:766:PHE:CA	2.25	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
1:B:123:THR:HB	2:C:19:ARG:NE	2.09	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.66
3:M:510:TRP:HB3	3:M:714:ARG:NH2	2.00	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.66
3:M:779:ARG:HG3	3:M:783:LEU:CG	2.25	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
3:M:508:ILE:HD12	3:M:714:ARG:CD	2.15	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.76	0.66
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
3:M:503:TYR:HA	3:M:766:PHE:CE2	2.28	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
2:C:92:ARG:CZ	3:M:736:GLN:CB	2.72	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:803:TYR:O	3:M:806:MET:N	2.28	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:509:GLU:N	3:M:714:ARG:HD2	2.07	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
3:M:779:ARG:CZ	3:M:783:LEU:HD23	2.23	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
3:M:804:ARG:HG2	3:M:808:GLU:OE2	1.96	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:805:ARG:O	3:M:806:MET:C	2.39	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
2:C:92:ARG:NH1	3:M:736:GLN:HA	2.10	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.66
1:B:124:GLN:CA	2:C:17:PHE:HA	2.25	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.66
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
3:M:502:GLU:HG3	3:M:714:ARG:CD	2.25	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:503:TYR:CG	3:M:714:ARG:HH12	1.53	0.66
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:503:TYR:CE1	3:M:766:PHE:CE2	2.79	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:776:GLU:O	3:M:780:ASP:N	2.28	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.28	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.66
2:C:93:VAL:HG23	3:M:729:ALA:HB3	1.60	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.66
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.66
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.66
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.66
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.66
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.66
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.66
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
3:M:510:TRP:H	3:M:714:ARG:HH11	1.44	0.65
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.65
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.65
3:M:509:GLU:CD	3:M:760:PHE:O	2.39	0.65
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
2:C:93:VAL:H	3:M:725:ARG:CB	2.07	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.52	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.65
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:804:ARG:CG	3:M:808:GLU:CD	2.69	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
2:C:90:GLY:C	3:M:725:ARG:HB3	2.21	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:511:GLU:CG	3:M:766:PHE:CE1	2.79	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:124:GLN:HB2	2:C:19:ARG:HE	1.61	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
1:B:120:LEU:CD2	2:C:19:ARG:NH2	2.55	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
3:M:508:ILE:HD11	3:M:714:ARG:HH11	1.59	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:509:GLU:HB2	3:M:760:PHE:O	1.96	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.65
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.65
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.65
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
2:C:93:VAL:HA	3:M:725:ARG:CA	2.26	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:805:ARG:CB	3:M:809:ARG:HG3	2.27	0.65
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.65
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:510:TRP:CG	3:M:766:PHE:CD2	2.85	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.28	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
2:C:92:ARG:CZ	3:M:736:GLN:HB2	2.27	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:503:TYR:CE1	3:M:714:ARG:NH1	2.64	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:779:ARG:CB	3:M:783:LEU:CD1	2.71	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:511:GLU:CD	3:M:764:LYS:HZ2	1.96	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.65
3:M:74:GLU:CG	3:M:752:ASP:OD1	2.43	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.84	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:507:GLY:CA	3:M:761:GLY:C	2.70	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
2:C:89:GLU:OE2	3:M:732:ILE:CB	2.45	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:510:TRP:CE3	3:M:711:PHE:CD2	2.50	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
2:C:97:GLU:HG3	3:M:719:ASP:N	2.12	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
1:B:124:GLN:HE21	2:C:16:LEU:CB	2.05	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:98:GLY:N	3:M:740:SER:OG	2.31	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:502:GLU:HG2	3:M:714:ARG:HH11	1.62	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:709:LYS:C	3:M:711:PHE:CD2	2.75	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
2:C:97:GLU:CA	3:M:721:LYS:CE	2.69	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:509:GLU:OE1	3:M:761:GLY:CA	2.41	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:709:LYS:HB3	3:M:711:PHE:HE2	1.62	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.65	0.64
3:M:802:GLU:O	3:M:806:MET:N	2.30	0.64
2:C:88:VAL:HA	3:M:725:ARG:NH2	2.13	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.64
3:M:508:ILE:HB	3:M:714:ARG:HH12	1.61	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.64
3:M:509:GLU:C	3:M:714:ARG:NH1	2.55	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.64
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.64
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.04	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.04	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.04	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.04	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.04	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.04	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.12	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:508:ILE:HD13	3:M:712:PRO:O	1.96	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.64
2:C:96:LYS:CA	3:M:725:ARG:HD2	2.27	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
2:C:139:TYR:OH	3:M:722:GLN:OE1	1.94	0.64
3:M:783:LEU:N	3:M:783:LEU:HD12	2.13	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
1:B:123:THR:OG1	2:C:19:ARG:CZ	2.46	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:804:ARG:HB3	3:M:808:GLU:CD	2.11	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
2:C:98:GLY:C	3:M:738:MET:CE	2.47	0.64
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.63	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:508:ILE:C	3:M:714:ARG:HH11	2.05	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.64
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
1:B:127:ARG:CA	2:C:19:ARG:O	2.45	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:510:TRP:CE3	3:M:711:PHE:C	2.74	0.64
3:M:510:TRP:CG	3:M:766:PHE:CD2	2.86	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:804:ARG:C	3:M:808:GLU:OE1	2.40	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
2:C:98:GLY:HA2	3:M:740:SER:CB	2.27	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.12	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
2:C:95:ASP:CA	3:M:722:GLN:OE1	2.45	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
3:M:805:ARG:O	3:M:807:VAL:C	2.41	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.64
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
3:M:779:ARG:HA	3:M:783:LEU:CD1	2.27	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.64
1:B:87:LYS:HZ3	3:M:829:TRP:HE1	1.23	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
2:C:93:VAL:CG2	3:M:729:ALA:CA	2.75	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.12	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:506:GLU:O	3:M:763:THR:CA	2.46	0.63
2:C:96:LYS:HD2	3:M:747:LEU:CD2	2.12	0.63
2:C:140:GLU:N	3:M:736:GLN:CG	2.60	0.63
3:M:779:ARG:CG	3:M:783:LEU:CD2	2.18	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.63
3:M:509:GLU:HG3	3:M:764:LYS:O	1.98	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.63
3:M:510:TRP:N	3:M:766:PHE:CE2	2.66	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.63
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.63
3:M:503:TYR:O	3:M:764:LYS:HE3	1.97	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.63
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.63
3:M:505:LYS:HB3	3:M:764:LYS:CE	2.28	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.28	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.33	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
1:B:125:CYS:CB	2:C:19:ARG:C	2.58	0.63
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.63
3:M:503:TYR:CD1	3:M:714:ARG:NH2	2.65	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.65	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.63
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:804:ARG:C	3:M:808:GLU:H	2.07	0.63
2:C:88:VAL:HA	3:M:725:ARG:HH22	1.64	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
2:C:88:VAL:O	3:M:725:ARG:CD	2.45	0.63
3:M:709:LYS:O	3:M:710:GLY:HA2	1.96	0.63
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
2:C:96:LYS:HZ1	3:M:728:ASN:C	2.07	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.63
2:C:98:GLY:C	3:M:740:SER:CB	2.70	0.63
3:M:508:ILE:HB	3:M:766:PHE:CD2	2.29	0.63
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
1:B:126:ASP:CB	2:C:20:THR:O	2.45	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
2:C:88:VAL:O	3:M:725:ARG:CZ	2.47	0.63
2:C:101:THR:CB	3:M:740:SER:HA	2.12	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.63
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.11	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.63
2:C:88:VAL:O	3:M:732:ILE:CD1	2.46	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.28	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:506:GLU:O	3:M:763:THR:N	2.32	0.63
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CE3	3:M:766:PHE:HB3	2.28	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:503:TYR:OH	3:M:714:ARG:NH2	2.32	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
2:C:96:LYS:HZ1	3:M:728:ASN:CB	2.11	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.62
2:C:86:ASP:O	3:M:729:ALA:HB1	1.99	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:778:MET:CG	3:M:782:LYS:HD2	2.29	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.62
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.99	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.62
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.62
3:M:509:GLU:OE1	3:M:764:LYS:C	2.41	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
3:M:503:TYR:HE1	3:M:714:ARG:HH21	1.36	0.62
2:C:92:ARG:CB	3:M:725:ARG:NH1	2.62	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.62
2:C:114:LEU:HD11	3:M:779:ARG:NH1	2.06	0.62
3:M:509:GLU:OE1	3:M:764:LYS:N	2.32	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:509:GLU:C	3:M:714:ARG:HH11	2.06	0.62
3:M:510:TRP:CE2	3:M:711:PHE:CA	2.53	0.62
3:M:802:GLU:OE2	3:M:809:ARG:NH1	2.33	0.62
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:779:ARG:C	3:M:780:ASP:HA	2.24	0.62
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.62
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.62
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.62
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.62
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:103:MET:HE2	3:M:716:LEU:HD23	1.80	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.62
3:M:709:LYS:O	3:M:711:PHE:CE2	2.51	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
1:B:108:GLY:H	2:C:128:LYS:HD2	1.62	0.62
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.62
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.62
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.62
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.62
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.62
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:508:ILE:HB	3:M:766:PHE:CZ	2.32	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
2:C:92:ARG:NH1	3:M:736:GLN:CB	2.62	0.62
2:C:96:LYS:HD3	3:M:721:LYS:HG2	1.81	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:503:TYR:CD1	3:M:714:ARG:NH1	2.67	0.62
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:726:VAL:HG11	3:M:783:LEU:CG	2.17	0.62
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.62
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:509:GLU:HB2	3:M:760:PHE:C	2.24	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:510:TRP:NE1	3:M:711:PHE:HD2	1.97	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:503:TYR:CD1	3:M:714:ARG:CZ	2.82	0.62
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:508:ILE:HG23	3:M:714:ARG:CA	2.19	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.62
1:B:106:PRO:HG2	2:C:128:LYS:HE2	1.81	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.62
2:C:94:PHE:O	3:M:722:GLN:CA	2.47	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:507:GLY:HA3	3:M:761:GLY:O	1.99	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.62
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.62
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.62
2:C:94:PHE:O	3:M:724:TYR:HB2	1.99	0.62
2:C:96:LYS:NZ	3:M:728:ASN:CB	2.62	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.62
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.62
3:M:813:ILE:O	3:M:817:GLN:N	2.29	0.62
2:C:90:GLY:C	3:M:725:ARG:HD3	2.24	0.62
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.62
3:M:510:TRP:CD2	3:M:711:PHE:O	2.53	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.62
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.62
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.62
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	2.83	0.62
1:B:113:LYS:HE2	2:C:121:GLU:CA	2.26	0.62
1:B:123:THR:HG21	2:C:19:ARG:HD2	1.81	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.62
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.62
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.62
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
1:B:125:CYS:CA	2:C:18:ASP:HB2	2.22	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
2:C:96:LYS:HZ3	3:M:725:ARG:CZ	2.12	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
2:C:89:GLU:CA	3:M:729:ALA:O	2.42	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.61
1:B:126:ASP:O	2:C:20:THR:CB	2.31	0.61
3:M:506:GLU:HB3	3:M:714:ARG:HG3	1.82	0.61
3:M:508:ILE:HB	3:M:766:PHE:HE2	1.56	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.61
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.61
1:B:120:LEU:HA	2:C:19:ARG:NH1	2.15	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
2:C:93:VAL:HG22	3:M:729:ALA:CA	2.30	0.61
3:M:508:ILE:HG23	3:M:766:PHE:HZ	1.65	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
1:B:109:LYS:HZ2	2:C:142:PHE:HZ	1.34	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:804:ARG:CA	3:M:808:GLU:OE1	2.47	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
2:C:94:PHE:HD2	3:M:779:ARG:HH22	1.39	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:511:GLU:N	3:M:766:PHE:CZ	2.69	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
2:C:96:LYS:HB2	3:M:725:ARG:HD2	1.82	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:109:LYS:CD	2:C:130:GLN:HB2	2.21	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:510:TRP:HE3	3:M:714:ARG:HE	0.70	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.61
3:M:506:GLU:O	3:M:764:LYS:HG2	1.70	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
1:B:123:THR:CB	2:C:19:ARG:CD	2.65	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
1:B:107:ASP:CB	2:C:125:GLU:HA	2.30	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.61
3:M:508:ILE:HG22	3:M:766:PHE:HA	1.67	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:510:TRP:HE3	3:M:714:ARG:NE	1.97	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:709:LYS:C	3:M:710:GLY:HA2	2.22	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.61
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:709:LYS:HA	3:M:711:PHE:CE2	2.36	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:509:GLU:HB3	3:M:714:ARG:CB	2.29	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.61
2:C:89:GLU:O	3:M:729:ALA:CB	2.49	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
2:C:94:PHE:CB	3:M:724:TYR:H	2.10	0.60
2:C:94:PHE:HD1	3:M:725:ARG:CB	2.03	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:726:VAL:HG22	3:M:786:ILE:HG21	1.67	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
2:C:92:ARG:C	3:M:725:ARG:CA	2.60	0.60
2:C:139:TYR:HB3	3:M:736:GLN:HG2	1.82	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
2:C:93:VAL:CA	3:M:725:ARG:CG	2.78	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:802:GLU:O	3:M:806:MET:HG3	2.02	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.60
3:M:779:ARG:O	3:M:783:LEU:HD13	2.01	0.60
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.60
3:M:779:ARG:HA	3:M:783:LEU:CD1	2.32	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.60
3:M:510:TRP:CD2	3:M:711:PHE:HE2	2.19	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.60
3:M:510:TRP:CH2	3:M:711:PHE:HE2	2.18	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
2:C:140:GLU:HA	3:M:736:GLN:OE1	2.02	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
2:C:91:LEU:N	3:M:725:ARG:HD3	2.16	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:510:TRP:H	3:M:714:ARG:NH1	1.95	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:503:TYR:CD1	3:M:766:PHE:CE2	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
2:C:110:VAL:HG22	3:M:779:ARG:NH2	2.17	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.16	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.60
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.60
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.60
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.60
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.60
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.60
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.60
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.60
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.60
2:C:96:LYS:CE	3:M:725:ARG:NH1	2.65	0.60
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.60
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.10	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.60
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
2:C:97:GLU:HG2	3:M:721:LYS:HD3	1.84	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
2:C:93:VAL:C	3:M:726:VAL:CG2	2.73	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:726:VAL:HG13	3:M:786:ILE:HD13	1.81	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:802:GLU:O	3:M:806:MET:N	2.34	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:506:GLU:O	3:M:764:LYS:N	2.35	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.60
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:509:GLU:OE1	3:M:715:VAL:C	2.43	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.43	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.60
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.60
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
2:C:93:VAL:HG22	3:M:729:ALA:CB	2.03	0.60
2:C:96:LYS:CD	3:M:725:ARG:HG2	2.08	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.60
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:503:TYR:HA	3:M:714:ARG:NH1	2.11	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:511:GLU:CD	3:M:764:LYS:CE	2.62	0.60
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
1:B:113:LYS:CD	2:C:121:GLU:HB3	2.32	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:510:TRP:CZ2	3:M:711:PHE:HD2	2.17	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.60
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
2:C:96:LYS:NZ	3:M:725:ARG:NH1	2.50	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.60
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:506:GLU:C	3:M:764:LYS:NZ	2.23	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
1:B:109:LYS:HG2	2:C:131:GLU:H	1.67	0.59
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.95	0.59
3:M:508:ILE:HG23	3:M:759:ARG:O	2.03	0.59
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.59
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
2:C:94:PHE:HB3	3:M:722:GLN:OE1	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:778:MET:O	3:M:782:LYS:HB2	2.01	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.59
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.59
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.59
3:M:509:GLU:HB3	3:M:714:ARG:HB2	1.84	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
2:C:96:LYS:HE2	3:M:729:ALA:O	2.03	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:805:ARG:HA	3:M:808:GLU:HB2	1.85	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:709:LYS:CA	3:M:768:LYS:HZ3	2.07	0.59
3:M:709:LYS:O	3:M:768:LYS:HE2	2.02	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:709:LYS:CG	3:M:768:LYS:CE	2.75	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
2:C:96:LYS:HE3	3:M:725:ARG:HG2	1.81	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:502:GLU:CG	3:M:714:ARG:HD2	2.31	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
1:B:107:ASP:O	2:C:128:LYS:CB	2.43	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:779:ARG:CG	3:M:783:LEU:HD22	2.31	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.59
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
2:C:97:GLU:HA	3:M:745:GLU:CA	2.22	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.59
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:510:TRP:HH2	3:M:766:PHE:CD2	2.12	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:508:ILE:HD11	3:M:714:ARG:HH11	1.38	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:166:MET:HE2	3:M:457:TYR:HB2	1.84	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:709:LYS:O	3:M:711:PHE:N	2.34	0.59
3:M:709:LYS:CA	3:M:768:LYS:HZ1	2.15	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
2:C:93:VAL:O	3:M:725:ARG:CA	2.50	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:726:VAL:CG1	3:M:786:ILE:HG21	2.32	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.59
3:M:509:GLU:O	3:M:766:PHE:CE2	2.55	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.59
2:C:140:GLU:OE2	3:M:736:GLN:N	2.35	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:17:PHE:CD2	3:M:806:MET:HE1	2.37	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:510:TRP:NE1	3:M:711:PHE:CD2	2.71	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.59
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
1:B:120:LEU:HD22	2:C:19:ARG:HH22	1.63	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:510:TRP:CE3	3:M:766:PHE:CB	2.86	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:511:GLU:CD	3:M:761:GLY:CA	2.65	0.58
1:B:106:PRO:HG2	3:M:801:VAL:CG2	2.33	0.58
1:B:107:ASP:CG	2:C:126:LEU:HD23	2.26	0.58
1:B:110:GLY:H	2:C:127:MET:N	1.92	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:511:GLU:OE1	3:M:764:LYS:HG2	2.03	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
2:C:139:TYR:OH	3:M:722:GLN:NE2	2.33	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
2:C:97:GLU:C	3:M:721:LYS:HZ1	2.11	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
2:C:88:VAL:CA	3:M:725:ARG:NH2	2.66	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.58
3:M:503:TYR:OH	3:M:714:ARG:NH2	2.37	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:510:TRP:CE2	3:M:711:PHE:HE2	2.22	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:804:ARG:CG	3:M:808:GLU:OE2	2.49	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:510:TRP:CE2	3:M:711:PHE:N	2.70	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:508:ILE:HD13	3:M:714:ARG:NE	2.15	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
3:M:778:MET:CA	3:M:781:ASP:HB2	2.31	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
2:C:92:ARG:HD2	3:M:729:ALA:O	2.03	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.58
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.58
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:511:GLU:HG3	3:M:766:PHE:CZ	2.38	0.58
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.58
2:C:93:VAL:CA	3:M:725:ARG:CB	2.25	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:509:GLU:HB3	3:M:714:ARG:HG3	1.85	0.58
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
2:C:96:LYS:HE2	3:M:725:ARG:HH12	1.67	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
1:B:125:CYS:C	2:C:18:ASP:HB2	2.27	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
1:B:123:THR:CB	2:C:19:ARG:NH1	2.67	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.58
2:C:92:ARG:NE	3:M:736:GLN:NE2	2.52	0.58
3:M:803:TYR:HA	3:M:806:MET:SD	2.44	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.90	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.58
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.58
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.58
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.58
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.58
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:779:ARG:HG3	3:M:783:LEU:CD2	2.29	0.58
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.58
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:THR:CG2	2:C:19:ARG:NH1	2.65	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
1:B:113:LYS:HZ3	2:C:121:GLU:CB	2.00	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:509:GLU:CA	3:M:714:ARG:HD3	2.33	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:511:GLU:OE1	3:M:766:PHE:CE1	2.46	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:805:ARG:O	3:M:806:MET:O	2.21	0.58
3:M:805:ARG:C	3:M:809:ARG:HD2	2.29	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
2:C:96:LYS:HZ2	3:M:725:ARG:HD2	1.61	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
1:B:107:ASP:CB	2:C:126:LEU:HA	2.34	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:777:GLU:CG	3:M:781:ASP:OD2	2.51	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
2:C:94:PHE:CB	3:M:725:ARG:HB2	2.33	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
2:C:91:LEU:O	3:M:722:GLN:HA	2.03	0.58
2:C:96:LYS:H	3:M:722:GLN:HB3	1.64	0.58
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.58
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.58
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CE3	3:M:766:PHE:CE2	2.85	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.58
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.58
3:M:709:LYS:C	3:M:710:GLY:HA2	2.29	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:510:TRP:CZ3	3:M:712:PRO:O	2.54	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
3:M:802:GLU:O	3:M:806:MET:HG2	2.00	0.58
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.58
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:16:LEU:O	3:M:806:MET:HE1	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:93:VAL:N	3:M:725:ARG:HG2	2.15	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:510:TRP:CZ3	3:M:767:PHE:N	2.72	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:123:THR:HG22	2:C:19:ARG:HB3	1.86	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
2:C:92:ARG:CZ	3:M:736:GLN:OE1	2.52	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.57
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:709:LYS:HA	3:M:768:LYS:HZ1	1.69	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.57
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.57
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.57
3:M:508:ILE:HD11	3:M:766:PHE:HZ	1.54	0.57
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.91	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.57
3:M:508:ILE:CG1	3:M:714:ARG:HD3	2.22	0.57
3:M:805:ARG:CA	3:M:809:ARG:HG3	2.35	0.57
3:M:107:LYS:CB	3:M:686:MET:HE2	2.32	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.57
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.57
3:M:508:ILE:N	3:M:766:PHE:CE1	2.68	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.57
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.93	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:805:ARG:O	3:M:806:MET:C	2.47	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.34	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.57
3:M:508:ILE:HG22	3:M:766:PHE:CE2	2.34	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.34	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57
1:B:107:ASP:N	3:M:797:PHE:CE2	2.62	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.34	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.34	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.34	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.34	0.57
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.57
3:M:805:ARG:HA	3:M:808:GLU:HB2	1.86	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.34	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:506:GLU:O	3:M:763:THR:HB	2.05	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.57
3:M:510:TRP:CH2	3:M:766:PHE:HB3	2.39	0.57
3:M:510:TRP:CH2	3:M:711:PHE:O	2.56	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.56	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.56	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.57
3:M:510:TRP:HZ3	3:M:767:PHE:N	2.02	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:508:ILE:CD1	3:M:714:ARG:HB3	2.25	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.43	0.57
2:C:88:VAL:C	3:M:725:ARG:NH2	2.62	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:508:ILE:HG23	3:M:713:SER:CA	2.34	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:503:TYR:CE1	3:M:766:PHE:CD2	2.93	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
1:B:126:ASP:HB2	2:C:22:ASP:OD1	2.02	0.57
1:B:126:ASP:HB2	2:C:22:ASP:CG	2.29	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.57
3:M:805:ARG:O	3:M:809:ARG:N	2.37	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.57
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.57
3:M:804:ARG:CD	3:M:808:GLU:OE2	2.49	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:802:GLU:OE2	3:M:809:ARG:NH2	2.36	0.57
2:C:94:PHE:HD2	3:M:723:ARG:CA	2.11	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
2:C:139:TYR:CE1	3:M:725:ARG:HG3	2.39	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.73	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:510:TRP:N	3:M:766:PHE:CD2	2.73	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:503:TYR:HA	3:M:766:PHE:CZ	2.39	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.57
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.57
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:776:GLU:O	3:M:780:ASP:N	2.37	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
2:C:94:PHE:HB3	3:M:722:GLN:O	1.72	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:511:GLU:HG3	3:M:766:PHE:CZ	2.40	0.57
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.57
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:503:TYR:CA	3:M:714:ARG:NH1	2.67	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.57
3:M:503:TYR:HB3	3:M:714:ARG:HH12	1.70	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.57
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.57
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
2:C:96:LYS:HE2	3:M:731:ALA:CB	2.21	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
1:B:124:GLN:HG2	2:C:16:LEU:HA	1.85	0.57
1:B:124:GLN:HB2	2:C:16:LEU:O	2.04	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.40	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.40	0.57
3:M:709:LYS:O	3:M:768:LYS:HE2	2.03	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:805:ARG:C	3:M:809:ARG:CG	2.78	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.57
3:M:502:GLU:HB3	3:M:714:ARG:HH11	1.58	0.57
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.57
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:503:TYR:H	3:M:714:ARG:NH1	1.97	0.57
3:M:779:ARG:O	3:M:782:LYS:N	2.38	0.57
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.57
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:508:ILE:CD1	3:M:714:ARG:CZ	2.83	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
1:B:123:THR:HG22	2:C:19:ARG:HB3	1.86	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.56
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:510:TRP:CZ3	3:M:712:PRO:C	2.83	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.56
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.73	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.56
3:M:510:TRP:CD2	3:M:711:PHE:CA	2.81	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.56
3:M:502:GLU:HG3	3:M:714:ARG:HD2	1.85	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.27	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
2:C:92:ARG:NE	3:M:736:GLN:OE1	2.38	0.56
2:C:139:TYR:HE1	3:M:725:ARG:NH1	2.00	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
1:B:126:ASP:CA	2:C:20:THR:C	2.72	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:805:ARG:C	3:M:809:ARG:HG3	2.30	0.56
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
2:C:90:GLY:CA	3:M:726:VAL:HA	2.35	0.56
2:C:92:ARG:HB2	3:M:729:ALA:O	2.05	0.56
2:C:100:GLY:HA3	3:M:736:GLN:C	2.28	0.56
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:709:LYS:O	3:M:710:GLY:HA2	2.05	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:511:GLU:N	3:M:714:ARG:HD2	2.18	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:64:THR:HG22	3:M:65:GLU:N	2.19	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.14	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.14	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.14	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.56
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.14	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.14	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.14	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.14	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.56
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.56
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.56
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.56
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:127:ARG:HA	2:C:19:ARG:O	2.05	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.56
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.56
3:M:779:ARG:O	3:M:783:LEU:CD1	2.52	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.56
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.56
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
2:C:96:LYS:HE2	3:M:725:ARG:NH1	2.21	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:709:LYS:O	3:M:768:LYS:NZ	2.38	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.56
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.31	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:506:GLU:O	3:M:763:THR:CB	2.54	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.56
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.56
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.87	0.56
3:M:509:GLU:CD	3:M:760:PHE:C	2.74	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.56
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.56
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.56
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.56
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.18	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
2:C:89:GLU:N	3:M:732:ILE:CD1	2.68	0.56
2:C:99:ASN:O	3:M:735:GLY:O	2.18	0.56
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:509:GLU:CD	3:M:764:LYS:O	2.48	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.56
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:123:THR:HB	2:C:19:ARG:HD3	1.88	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:779:ARG:C	3:M:780:ASP:C	2.74	0.56
3:M:805:ARG:C	3:M:806:MET:N	2.63	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:506:GLU:HB3	3:M:766:PHE:HE1	1.69	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
1:B:123:THR:HB	2:C:19:ARG:HG2	1.87	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:510:TRP:NE1	3:M:711:PHE:H	2.03	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
3:M:273:SER:HG	3:M:598:LYS:HD3	1.64	0.56
3:M:273:SER:HG	3:M:598:LYS:HD3	1.64	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:709:LYS:O	3:M:768:LYS:HE2	2.06	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:273:SER:HG	3:M:598:LYS:HD3	1.64	0.56
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.56
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.56
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:273:SER:HG	3:M:598:LYS:HD3	1.64	0.56
3:M:508:ILE:HG12	3:M:766:PHE:CE1	2.39	0.56
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.56
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.56
3:M:273:SER:HG	3:M:598:LYS:HD3	1.64	0.56
3:M:804:ARG:C	3:M:808:GLU:CD	2.72	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HG	3:M:598:LYS:HD3	1.64	0.56
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.56
3:M:273:SER:HG	3:M:598:LYS:HD3	1.64	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:510:TRP:CB	3:M:714:ARG:NH2	2.65	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.56
2:C:93:VAL:C	3:M:726:VAL:N	2.51	0.56
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.56
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.56
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.56
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.56
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.56
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.56
3:M:503:TYR:CE1	3:M:714:ARG:NE	2.74	0.56
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.31	0.56
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
1:B:113:LYS:HD2	2:C:121:GLU:HB3	1.88	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:511:GLU:CD	3:M:764:LYS:HG2	2.31	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.55
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:709:LYS:O	3:M:711:PHE:CE2	2.57	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.46	0.55
2:C:96:LYS:HZ2	3:M:725:ARG:HG2	1.72	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:709:LYS:HA	3:M:768:LYS:NZ	2.19	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:90:GLY:HA2	3:M:725:ARG:HB3	1.86	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:804:ARG:HG2	3:M:808:GLU:CD	2.31	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.54	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.55
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.55
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.87	0.55
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.55
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.55
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.55
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:509:GLU:O	3:M:766:PHE:CZ	2.54	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.55
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.55
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.55
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:113:LYS:HE3	2:C:121:GLU:CA	2.27	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.55
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.70	0.55
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.55
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.70	0.55
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
1:B:109:LYS:HB3	2:C:131:GLU:HG3	1.89	0.55
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.55
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.70	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.55
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.70	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.55
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.70	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.55
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.70	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.55
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.70	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
2:C:96:LYS:CD	3:M:747:LEU:CG	1.88	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.55	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:726:VAL:CG1	3:M:786:ILE:HD12	2.36	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.27	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
3:M:510:TRP:NE1	3:M:711:PHE:H	2.04	0.55
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.42	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
2:C:93:VAL:O	3:M:722:GLN:O	2.24	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.31	0.55
3:M:805:ARG:N	3:M:808:GLU:HB2	2.20	0.55
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.55
2:C:98:GLY:CA	3:M:740:SER:CB	2.82	0.55
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.55
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
1:B:120:LEU:C	2:C:19:ARG:HH11	2.09	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
1:B:113:LYS:HE2	2:C:121:GLU:N	2.21	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:709:LYS:CA	3:M:768:LYS:HZ3	2.09	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:805:ARG:C	3:M:809:ARG:N	2.47	0.55
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:97:GLU:CB	3:M:745:GLU:N	2.65	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:510:TRP:HZ3	3:M:767:PHE:H	1.54	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:503:TYR:HE1	3:M:714:ARG:NH2	2.04	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:510:TRP:HB2	3:M:766:PHE:HD2	1.58	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:510:TRP:CE2	3:M:711:PHE:HD2	2.07	0.55
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
3:M:805:ARG:O	3:M:808:GLU:N	2.40	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
1:B:123:THR:HB	2:C:19:ARG:CG	2.37	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
3:M:805:ARG:C	3:M:806:MET:C	2.75	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.55
1:B:123:THR:HB	2:C:19:ARG:CD	2.36	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.55
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:510:TRP:HB2	3:M:711:PHE:O	2.07	0.55
3:M:510:TRP:HB3	3:M:714:ARG:NH1	2.17	0.55
3:M:510:TRP:CG	3:M:711:PHE:O	2.60	0.55
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.55
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
3:M:779:ARG:HG2	3:M:783:LEU:HD13	1.89	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.55
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.55
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.54
2:C:97:GLU:CG	3:M:721:LYS:HD3	2.38	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:510:TRP:CZ2	3:M:711:PHE:CD2	2.94	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
1:B:106:PRO:HG2	3:M:801:VAL:HG21	1.85	0.54
2:C:92:ARG:NH1	3:M:736:GLN:CG	2.64	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:778:MET:CB	3:M:782:LYS:HG3	2.37	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:709:LYS:CA	3:M:710:GLY:N	2.67	0.54
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:510:TRP:NE1	3:M:711:PHE:N	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:503:TYR:HA	3:M:766:PHE:HZ	1.72	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
1:B:124:GLN:HB3	2:C:19:ARG:HE	1.71	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
1:B:113:LYS:CD	2:C:121:GLU:CB	2.85	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.70	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54
3:M:805:ARG:O	3:M:809:ARG:CB	2.42	0.54
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.94	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.54
3:M:778:MET:O	3:M:782:LYS:CB	2.55	0.54
3:M:779:ARG:NH2	3:M:783:LEU:CD2	2.67	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:508:ILE:HG22	3:M:714:ARG:HD2	1.90	0.54
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:510:TRP:CH2	3:M:711:PHE:HE2	2.25	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:805:ARG:O	3:M:806:MET:C	2.50	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:123:THR:HB	2:C:19:ARG:CG	2.32	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:709:LYS:O	3:M:710:GLY:HA2	2.06	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
1:B:123:THR:HG21	2:C:19:ARG:HH11	1.73	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.33	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:709:LYS:C	3:M:768:LYS:HZ1	2.15	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
3:M:707:CYS:O	3:M:710:GLY:N	2.40	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:503:TYR:OH	3:M:714:ARG:NH2	2.40	0.54
3:M:508:ILE:HD12	3:M:714:ARG:CD	2.28	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.33	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:503:TYR:HE1	3:M:711:PHE:O	1.90	0.54
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
2:C:88:VAL:O	3:M:725:ARG:HD2	2.07	0.54
2:C:98:GLY:O	3:M:740:SER:OG	2.26	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
3:M:295:LYS:CG	3:M:332:MET:HE2	2.36	0.54
3:M:509:GLU:HB2	3:M:761:GLY:CA	2.35	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
2:C:93:VAL:HG23	3:M:729:ALA:H	1.01	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.33	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:92:ARG:HB2	3:M:729:ALA:HA	1.90	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:709:LYS:O	3:M:710:GLY:HA2	2.07	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:438:PHE:HA	3:M:441:MET:HE3	1.88	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.54
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
3:M:804:ARG:C	3:M:808:GLU:CG	2.75	0.54
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.52	0.54
2:C:17:PHE:CE1	3:M:806:MET:HE2	2.16	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:510:TRP:CE2	3:M:711:PHE:N	2.76	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:510:TRP:CE3	3:M:714:ARG:CZ	2.89	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.96	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.54
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
2:C:85:GLU:HB3	3:M:732:ILE:CB	2.37	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
1:B:124:GLN:HB2	2:C:19:ARG:HE	1.72	0.54
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.54
1:B:113:LYS:HG3	2:C:121:GLU:HB3	1.90	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.53
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.53
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.53
1:B:120:LEU:CD2	2:C:19:ARG:HH22	2.21	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.53
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.53
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.53
1:B:123:THR:HG21	2:C:19:ARG:HD3	1.89	0.53
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
3:M:503:TYR:CE1	3:M:766:PHE:CD2	2.96	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:779:ARG:C	3:M:783:LEU:HD13	2.26	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.33	0.53
2:C:93:VAL:HG13	3:M:724:TYR:C	2.33	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.68	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:805:ARG:O	3:M:809:ARG:HG3	2.08	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.33	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
1:B:125:CYS:N	2:C:18:ASP:N	2.57	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.33	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.53
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:510:TRP:NE1	3:M:711:PHE:CD2	2.72	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:506:GLU:O	3:M:764:LYS:CE	2.56	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:709:LYS:HA	3:M:768:LYS:HZ1	1.73	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
2:C:103:MET:CB	3:M:719:ASP:N	2.42	0.53
3:M:509:GLU:O	3:M:766:PHE:HB2	2.06	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
1:B:123:THR:CG2	2:C:19:ARG:HH11	2.21	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:88:VAL:CG1	3:M:736:GLN:HE22	1.95	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:779:ARG:NH1	3:M:783:LEU:HD22	2.23	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:510:TRP:HZ3	3:M:766:PHE:HA	1.71	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
1:B:116:PHE:CE1	2:C:121:GLU:OE1	2.58	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:778:MET:CB	3:M:782:LYS:CG	2.84	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:507:GLY:HA3	3:M:761:GLY:C	2.34	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
2:C:92:ARG:HB2	3:M:725:ARG:HH12	1.73	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.53
3:M:709:LYS:O	3:M:768:LYS:NZ	2.42	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:502:GLU:HG2	3:M:714:ARG:NH1	2.17	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.94	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:510:TRP:HA	3:M:766:PHE:HE2	0.81	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.32	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.32	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
1:B:109:LYS:HG2	2:C:131:GLU:N	2.23	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.32	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.32	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.32	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.53
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.32	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:103:LEU:C	3:M:103:LEU:HD12	2.32	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:295:LYS:CD	3:M:332:MET:HE2	2.37	0.53
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.53
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:779:ARG:O	3:M:783:LEU:N	2.41	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.53
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:709:LYS:O	3:M:710:GLY:O	2.18	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
2:C:96:LYS:HZ3	3:M:725:ARG:HH11	1.57	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.53
3:M:506:GLU:HB2	3:M:766:PHE:CZ	2.44	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
2:C:17:PHE:CG	3:M:806:MET:HE1	2.44	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:510:TRP:HE1	3:M:711:PHE:HD2	1.55	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
3:M:503:TYR:HD1	3:M:766:PHE:HE2	1.55	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:510:TRP:CB	3:M:766:PHE:CD2	2.79	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:779:ARG:O	3:M:783:LEU:HD13	2.08	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:709:LYS:O	3:M:768:LYS:HE2	2.09	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:508:ILE:HD12	3:M:714:ARG:NE	2.18	0.52
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
2:C:97:GLU:CG	3:M:745:GLU:N	2.72	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:779:ARG:CD	3:M:783:LEU:HD22	2.22	0.52
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:510:TRP:CE3	3:M:711:PHE:CG	2.59	0.52
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.52
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.52
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.52
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.52
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.52
3:M:802:GLU:OE2	3:M:809:ARG:CZ	2.56	0.52
1:B:123:THR:CB	2:C:19:ARG:CZ	2.87	0.52
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.52
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
2:C:93:VAL:O	3:M:726:VAL:HG23	2.10	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.52
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
1:B:107:ASP:OD1	3:M:798:LEU:HA	1.78	0.52
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.52
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
3:M:508:ILE:CG2	3:M:766:PHE:CD1	2.43	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
1:B:120:LEU:HD23	2:C:19:ARG:HH22	1.68	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:511:GLU:O	3:M:766:PHE:CD2	2.63	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:505:LYS:CB	3:M:764:LYS:NZ	2.60	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:508:ILE:HG21	3:M:714:ARG:CZ	2.37	0.52
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.52
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
2:C:92:ARG:NH1	3:M:736:GLN:HE22	2.07	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:510:TRP:CA	3:M:714:ARG:NH1	2.70	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.52
3:M:709:LYS:O	3:M:710:GLY:O	2.27	0.52
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.52
3:M:510:TRP:NE1	3:M:711:PHE:H	2.06	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:510:TRP:CG	3:M:711:PHE:HD2	2.23	0.52
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:804:ARG:O	3:M:808:GLU:OE1	2.26	0.52
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
1:B:113:LYS:NZ	2:C:121:GLU:C	2.67	0.52
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:803:TYR:CA	3:M:806:MET:HG3	2.34	0.52
3:M:803:TYR:O	3:M:806:MET:HG3	2.10	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:355:THR:OG1	3:M:437:MET:HE1	2.10	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.52
3:M:510:TRP:CD1	3:M:711:PHE:H	2.27	0.52
2:C:16:LEU:HD22	3:M:810:ARG:NH1	2.24	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.52
3:M:508:ILE:HG22	3:M:766:PHE:CD1	2.42	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.52
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.40	0.52
3:M:510:TRP:CH2	3:M:766:PHE:CB	2.71	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.52
3:M:511:GLU:N	3:M:766:PHE:CE2	2.78	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
1:B:113:LYS:HE3	2:C:121:GLU:HB2	0.53	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.52
3:M:509:GLU:CB	3:M:761:GLY:HA3	2.22	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.52
3:M:511:GLU:OE1	3:M:766:PHE:HE1	1.93	0.52
2:C:92:ARG:HH11	3:M:732:ILE:CB	2.23	0.52
3:M:778:MET:O	3:M:782:LYS:HB2	2.10	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
1:B:116:PHE:CE1	2:C:121:GLU:OE1	2.63	0.52
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:511:GLU:CD	3:M:764:LYS:HE3	2.32	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.52
2:C:138:ASN:OD1	3:M:738:MET:O	2.27	0.52
2:C:139:TYR:CZ	3:M:725:ARG:CG	2.93	0.52
2:C:140:GLU:OE2	3:M:736:GLN:CA	2.43	0.52
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:779:ARG:HG2	3:M:783:LEU:CG	2.34	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:709:LYS:O	3:M:710:GLY:HA2	2.07	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.52
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.52
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.52
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:506:GLU:HG3	3:M:764:LYS:CE	2.38	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.52
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
2:C:90:GLY:HA2	3:M:726:VAL:HA	1.90	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.92	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:510:TRP:HZ3	3:M:713:SER:O	1.93	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:707:CYS:O	3:M:710:GLY:N	2.42	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
2:C:16:LEU:O	3:M:806:MET:SD	2.68	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:805:ARG:O	3:M:807:VAL:C	2.53	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.51
3:M:726:VAL:C	3:M:786:ILE:CD1	2.75	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.51
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:CA	3:M:723:ARG:CA	2.58	0.51
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.51
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.51
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.51
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.51
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.51
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.51
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.41	0.51
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.51
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.51
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
2:C:92:ARG:NE	3:M:736:GLN:HE22	2.07	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
1:B:109:LYS:NZ	2:C:142:PHE:HZ	1.97	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.51
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.27	0.51
3:M:727:LEU:HD23	3:M:782:LYS:HD2	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.74	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
2:C:93:VAL:O	3:M:724:TYR:CB	2.58	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:726:VAL:CB	3:M:783:LEU:HG	2.40	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
1:B:124:GLN:NE2	2:C:16:LEU:O	2.43	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.92	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:123:THR:HG21	2:C:19:ARG:NH1	2.24	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
1:B:123:THR:CB	2:C:19:ARG:CG	2.64	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:726:VAL:HG11	3:M:783:LEU:CD2	2.40	0.51
1:B:109:LYS:CA	2:C:129:GLY:N	2.47	0.51
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.51
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:726:VAL:CB	3:M:786:ILE:HG21	2.40	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
1:B:120:LEU:HD22	2:C:19:ARG:HH22	1.75	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:509:GLU:CD	3:M:760:PHE:O	2.53	0.51
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:804:ARG:C	3:M:808:GLU:CB	2.66	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.92	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:510:TRP:CE3	3:M:711:PHE:CD2	2.97	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
2:C:89:GLU:HG2	3:M:729:ALA:O	2.05	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.51
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
2:C:94:PHE:CB	3:M:725:ARG:CB	2.88	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:726:VAL:HG11	3:M:786:ILE:HD12	1.91	0.51
1:B:123:THR:OG1	2:C:19:ARG:NH1	2.44	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
3:M:726:VAL:HG11	3:M:783:LEU:HD21	1.89	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
2:C:96:LYS:HB2	3:M:722:GLN:OE1	2.10	0.51
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
2:C:89:GLU:HG2	3:M:730:SER:HB2	1.75	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
1:B:113:LYS:HE2	2:C:122:GLU:N	2.16	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
2:C:102:VAL:HA	3:M:722:GLN:NE2	2.26	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:510:TRP:N	3:M:766:PHE:CZ	2.75	0.51
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:510:TRP:CE3	3:M:714:ARG:CZ	2.94	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
1:B:109:LYS:HE3	2:C:142:PHE:CE2	2.46	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.51
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.51
3:M:502:GLU:CB	3:M:714:ARG:NH1	2.71	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:120:LEU:HD23	2:C:19:ARG:CZ	2.41	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.51
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.51
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
1:B:110:GLY:HA3	2:C:127:MET:HB2	1.92	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.51
3:M:509:GLU:CB	3:M:760:PHE:O	2.59	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:510:TRP:HZ3	3:M:713:SER:O	1.94	0.51
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.40	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.40	0.51
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
1:B:123:THR:OG1	2:C:19:ARG:CZ	2.53	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:510:TRP:CD2	3:M:711:PHE:HD2	2.28	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.40	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.40	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:511:GLU:CD	3:M:766:PHE:CE1	2.83	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.50
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.50
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.50
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.50
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:508:ILE:HG21	3:M:766:PHE:CD2	2.35	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.50
2:C:93:VAL:O	3:M:726:VAL:N	2.43	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
1:B:107:ASP:HA	3:M:797:PHE:CZ	2.32	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
2:C:101:THR:N	3:M:738:MET:HB3	2.24	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:510:TRP:CG	3:M:714:ARG:NH2	2.79	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.42	0.50
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.50
1:B:124:GLN:HE21	2:C:16:LEU:HB3	1.76	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.49	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:508:ILE:HG23	3:M:714:ARG:HD3	1.94	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.50
3:M:510:TRP:CZ3	3:M:766:PHE:HA	2.46	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.92	0.50
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.50
3:M:510:TRP:CZ2	3:M:766:PHE:HD2	2.30	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.66	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:292:MET:HE2	3:M:309:PRO:HD3	1.93	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:778:MET:O	3:M:782:LYS:CA	2.55	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:503:TYR:C	3:M:766:PHE:CZ	2.82	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.50
1:B:87:LYS:HZ2	3:M:829:TRP:CZ2	1.54	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.50
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:777:GLU:O	3:M:781:ASP:CG	2.55	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.50
3:M:778:MET:O	3:M:782:LYS:N	2.44	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
2:C:139:TYR:HH	3:M:722:GLN:CD	1.86	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.50
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:508:ILE:HD11	3:M:714:ARG:HD3	0.51	0.50
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
2:C:88:VAL:CB	3:M:732:ILE:CD1	2.89	0.50
2:C:110:VAL:CG2	3:M:779:ARG:NH2	2.75	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.50
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.50
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:805:ARG:CA	3:M:806:MET:N	2.67	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.29	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.50
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.50
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.50
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.50
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.50
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.50
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.50
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.50
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.50
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.11	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.50
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.50
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
2:C:94:PHE:HB3	3:M:724:TYR:N	2.27	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
2:C:96:LYS:CE	3:M:729:ALA:HA	2.21	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:CB	3:M:768:LYS:HZ1	2.25	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:511:GLU:O	3:M:766:PHE:CG	2.65	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.49
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.49
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.49
2:C:94:PHE:HB3	3:M:722:GLN:CA	2.33	0.49
2:C:95:ASP:O	3:M:721:LYS:CG	2.50	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:509:GLU:HB2	3:M:765:VAL:CA	2.42	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.49
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.49
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.49
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:709:LYS:O	3:M:710:GLY:HA2	2.11	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
2:C:89:GLU:HB3	3:M:730:SER:HB3	1.93	0.49
2:C:139:TYR:HE1	3:M:721:LYS:HG2	1.76	0.49
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.49
3:M:508:ILE:HG22	3:M:714:ARG:CZ	2.42	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:503:TYR:CE1	3:M:714:ARG:NH1	2.80	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.29	0.49
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.49
3:M:506:GLU:CB	3:M:766:PHE:CE1	2.95	0.49
3:M:709:LYS:N	3:M:710:GLY:N	2.60	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
2:C:93:VAL:N	3:M:725:ARG:CG	2.73	0.49
2:C:99:ASN:C	3:M:735:GLY:C	2.69	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.49
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.49
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.49
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.49
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.49
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.49
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.49
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.49
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.49
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.49
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.49
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:510:TRP:CE2	3:M:711:PHE:HD2	2.19	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
2:C:94:PHE:CD2	3:M:723:ARG:CA	2.90	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:726:VAL:HG13	3:M:786:ILE:HG21	1.92	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:96:LYS:HB3	3:M:720:PHE:N	2.27	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
3:M:503:TYR:CG	3:M:766:PHE:CE2	2.87	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.95	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.49
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:779:ARG:O	3:M:783:LEU:CD1	2.59	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
2:C:16:LEU:HD21	3:M:810:ARG:NH2	2.17	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.49
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	2.96	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
1:B:120:LEU:CA	2:C:19:ARG:HH11	2.12	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
2:C:17:PHE:CZ	3:M:806:MET:CG	2.95	0.49
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.49
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.49
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.49
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.49
3:M:511:GLU:OE1	3:M:764:LYS:CG	2.61	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.49
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:802:GLU:C	3:M:806:MET:HG3	2.29	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:709:LYS:HG2	3:M:768:LYS:CE	2.19	0.49
1:B:120:LEU:HD23	2:C:19:ARG:HH12	1.78	0.49
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.49
2:C:92:ARG:HH12	3:M:736:GLN:HA	1.77	0.49
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.94	0.49
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.94	0.49
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.94	0.49
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.49
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.49
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.49
3:M:708:ARG:O	3:M:768:LYS:NZ	2.46	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:709:LYS:O	3:M:710:GLY:HA2	2.13	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.95	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.95	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:89:GLU:O	3:M:729:ALA:HB1	2.13	0.48
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:506:GLU:CG	3:M:764:LYS:CE	2.72	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:508:ILE:H	3:M:766:PHE:HE1	0.66	0.48
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.47	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.48
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.48
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.48
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.48
3:M:503:TYR:HA	3:M:714:ARG:NH1	2.23	0.48
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.48
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.48
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.48
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.48
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.48
3:M:803:TYR:O	3:M:806:MET:CG	2.60	0.48
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.48
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:508:ILE:HG22	3:M:766:PHE:CZ	2.46	0.48
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.48
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.48
2:C:17:PHE:CG	3:M:806:MET:HE1	2.27	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:506:GLU:O	3:M:763:THR:HB	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.48
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.47	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:727:LEU:HD23	3:M:782:LYS:HD3	1.94	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
2:C:93:VAL:CA	3:M:725:ARG:CG	2.84	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.95	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:709:LYS:CA	3:M:710:GLY:N	2.70	0.48
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.48
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.48
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.48
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.29	0.48
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.48
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.48
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
2:C:96:LYS:HG2	3:M:747:LEU:N	2.29	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.48
3:M:508:ILE:HG21	3:M:766:PHE:CD2	2.43	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.48
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:508:ILE:CD1	3:M:714:ARG:NE	2.77	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:709:LYS:CA	3:M:710:GLY:N	2.73	0.48
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.48
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:509:GLU:O	3:M:766:PHE:CD1	2.67	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.48
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:510:TRP:CE3	3:M:766:PHE:HE2	2.27	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
1:B:109:LYS:CG	2:C:131:GLU:HG2	2.29	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:709:LYS:O	3:M:768:LYS:HE2	2.13	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
2:C:92:ARG:HB2	3:M:729:ALA:C	2.38	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.86	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.95	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.38	0.48
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.48
3:M:510:TRP:CZ3	3:M:766:PHE:HA	2.49	0.48
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.48
2:C:96:LYS:HZ3	3:M:725:ARG:NE	2.12	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.38	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
1:B:109:LYS:HG3	2:C:130:GLN:N	2.15	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:508:ILE:HD12	3:M:714:ARG:CZ	2.43	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.38	0.48
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.48
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.48
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.48
2:C:140:GLU:H	3:M:736:GLN:HG2	1.74	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:510:TRP:CE2	3:M:711:PHE:HE2	2.29	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
1:B:120:LEU:HD23	2:C:19:ARG:NH1	2.29	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:726:VAL:HG11	3:M:783:LEU:HD21	1.95	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.48
2:C:93:VAL:O	3:M:747:LEU:CD1	2.62	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.95	0.48
2:C:90:GLY:O	3:M:726:VAL:HG23	2.14	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.48
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.48
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.48
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
1:B:126:ASP:O	2:C:20:THR:HG22	2.14	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
2:C:94:PHE:HB2	3:M:725:ARG:CB	2.39	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.95	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
1:B:128:PHE:HZ	3:M:821:ARG:CZ	2.14	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:709:LYS:O	3:M:768:LYS:HE2	2.13	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:509:GLU:HB3	3:M:764:LYS:HG3	1.40	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
2:C:92:ARG:NH1	3:M:732:ILE:C	2.69	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.47
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.95	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
1:B:126:ASP:CB	2:C:22:ASP:CG	2.84	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
1:B:107:ASP:OD2	2:C:126:LEU:HD21	2.14	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.47
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.47
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.47
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.22	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
2:C:92:ARG:HB3	3:M:721:LYS:CB	2.45	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.47
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.22	0.47
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
2:C:92:ARG:NH1	3:M:732:ILE:CB	2.77	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.47
2:C:102:VAL:CA	3:M:721:LYS:CB	2.79	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.95	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.47
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.49	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
2:C:92:ARG:NE	3:M:736:GLN:CD	2.73	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:709:LYS:C	3:M:710:GLY:O	2.57	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:508:ILE:HD13	3:M:766:PHE:CE2	2.49	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:509:GLU:HB2	3:M:765:VAL:HA	1.95	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:803:TYR:O	3:M:806:MET:HG3	2.12	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.47
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.23	0.47
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.23	0.47
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
1:B:107:ASP:CB	3:M:797:PHE:CE2	2.97	0.47
1:B:109:LYS:NZ	2:C:142:PHE:CE2	2.75	0.47
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.23	0.47
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:510:TRP:NE1	3:M:711:PHE:N	2.63	0.47
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:779:ARG:CZ	3:M:783:LEU:HD21	2.08	0.47
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.47
2:C:94:PHE:O	3:M:722:GLN:CD	2.57	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:510:TRP:NE1	3:M:711:PHE:N	2.62	0.47
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:511:GLU:CG	3:M:766:PHE:CZ	2.95	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
2:C:93:VAL:HG23	3:M:729:ALA:HB2	0.47	0.47
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.79	0.47
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
2:C:92:ARG:HD3	3:M:736:GLN:HG3	1.38	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:511:GLU:OE2	3:M:764:LYS:HG2	2.14	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:709:LYS:C	3:M:710:GLY:C	2.82	0.47
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.23	0.47
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.47
3:M:509:GLU:O	3:M:766:PHE:CD2	2.66	0.47
3:M:509:GLU:CD	3:M:715:VAL:C	2.83	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.47
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.47
3:M:508:ILE:HG22	3:M:766:PHE:CZ	2.43	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.47
1:B:113:LYS:HE2	2:C:121:GLU:H	1.79	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.47
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.47
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.95	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.47
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.22	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
1:B:34:ILE:HD11	3:M:834:LEU:HD21	1.86	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.47
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:709:LYS:N	3:M:710:GLY:N	2.63	0.47
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.47
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
1:B:113:LYS:CE	2:C:122:GLU:H	2.28	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.29	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.47
3:M:509:GLU:HB3	3:M:760:PHE:O	2.15	0.47
3:M:707:CYS:O	3:M:710:GLY:N	2.48	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
1:B:112:ILE:HA	2:C:125:GLU:HG3	1.97	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:778:MET:CB	3:M:782:LYS:CD	2.82	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.47
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
2:C:110:VAL:HB	3:M:722:GLN:OE1	2.15	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.47
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:166:MET:HE3	3:M:459:ILE:HG13	1.96	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
3:M:805:ARG:CA	3:M:808:GLU:HB2	2.24	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.47
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.47
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.47
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.47
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.47
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.47
3:M:510:TRP:N	3:M:766:PHE:CD2	2.80	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.47
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.79	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.46
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.46
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.46
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.46
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.46
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.46
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.46
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.96	0.46
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
2:C:139:TYR:OH	3:M:722:GLN:CG	2.62	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:511:GLU:HG3	3:M:766:PHE:HZ	1.78	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.46
3:M:803:TYR:CD2	3:M:806:MET:SD	3.08	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.29	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:508:ILE:HD11	3:M:714:ARG:HB3	1.97	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.46
3:M:709:LYS:O	3:M:710:GLY:HA2	2.06	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.46
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.46
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.46
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.23	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:509:GLU:O	3:M:714:ARG:HD2	2.07	0.46
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.46
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.24	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.46
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.46
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.46
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:709:LYS:HA	3:M:768:LYS:CE	2.38	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.46
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
1:B:124:GLN:CB	2:C:17:PHE:HA	2.44	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.23	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
2:C:96:LYS:NZ	3:M:728:ASN:C	2.73	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.46
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.46
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.46
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.46
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.46
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.46
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.46
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:502:GLU:CG	3:M:714:ARG:HH11	2.27	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.46
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:802:GLU:OE2	3:M:809:ARG:NH2	2.49	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.46
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:689:GLU:O	3:M:689:GLU:HG2	2.13	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
2:C:93:VAL:CG2	3:M:725:ARG:HG2	2.46	0.46
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.46
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.46
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.46
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
2:C:96:LYS:HB3	3:M:720:PHE:H	1.80	0.46
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.46
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.46
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:709:LYS:N	3:M:710:GLY:N	2.62	0.46
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:709:LYS:C	3:M:711:PHE:CE2	2.94	0.46
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:802:GLU:OE2	3:M:809:ARG:NH2	2.49	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
2:C:97:GLU:HA	3:M:718:ALA:H	1.59	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.46
1:B:124:GLN:CB	2:C:19:ARG:NE	2.73	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.46
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.46
2:C:93:VAL:O	3:M:725:ARG:N	2.49	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.98	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:503:TYR:CD1	3:M:714:ARG:CZ	2.95	0.46
2:C:16:LEU:O	3:M:806:MET:CE	2.47	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:506:GLU:HA	3:M:763:THR:HB	1.98	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:805:ARG:C	3:M:807:VAL:N	2.71	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
2:C:96:LYS:HG3	3:M:725:ARG:CZ	2.31	0.46
2:C:96:LYS:HE3	3:M:725:ARG:CG	2.40	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:510:TRP:CH2	3:M:767:PHE:N	2.84	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:709:LYS:N	3:M:710:GLY:N	2.64	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:510:TRP:CD2	3:M:711:PHE:HB2	2.51	0.46
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.46
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.15	0.46
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.46
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.46
2:C:93:VAL:HG13	3:M:726:VAL:HG21	1.80	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.46
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.46
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.46
3:M:503:TYR:CA	3:M:766:PHE:CE2	2.53	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.46
2:C:102:VAL:CA	3:M:721:LYS:HB3	2.33	0.46
2:C:103:MET:N	3:M:718:ALA:CA	2.77	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:503:TYR:HA	3:M:714:ARG:HD3	1.93	0.46
3:M:508:ILE:CD1	3:M:714:ARG:N	2.69	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.46
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:709:LYS:HB3	3:M:711:PHE:CE2	2.49	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.46
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.46
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.46
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.46
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.46
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.46
3:M:506:GLU:N	3:M:764:LYS:CE	2.68	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:805:ARG:O	3:M:809:ARG:HG3	2.16	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:709:LYS:O	3:M:710:GLY:C	2.58	0.46
1:B:124:GLN:N	2:C:19:ARG:HG3	2.20	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
1:B:126:ASP:C	2:C:19:ARG:C	2.84	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:805:ARG:O	3:M:806:MET:C	2.59	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:510:TRP:CD1	3:M:711:PHE:H	2.33	0.45
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
2:C:99:ASN:O	3:M:743:ALA:HB2	2.16	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
2:C:98:GLY:C	3:M:740:SER:OG	2.59	0.45
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.29	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:510:TRP:CZ2	3:M:766:PHE:HB3	2.43	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
1:B:116:PHE:CE2	2:C:125:GLU:OE2	2.60	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:503:TYR:OH	3:M:714:ARG:NH2	2.49	0.45
3:M:762:HIS:CD2	3:M:762:HIS:N	2.78	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
1:B:123:THR:HB	2:C:19:ARG:CD	2.45	0.45
1:B:123:THR:CG2	2:C:19:ARG:HD3	2.46	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.45
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.45
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:778:MET:CA	3:M:782:LYS:CG	2.91	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.45
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:709:LYS:HB3	3:M:711:PHE:CD2	2.50	0.45
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.45
2:C:96:LYS:NZ	3:M:725:ARG:HH11	2.11	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.45
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
1:B:125:CYS:N	2:C:18:ASP:HB2	2.31	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
2:C:89:GLU:CB	3:M:729:ALA:O	2.63	0.45
3:M:707:CYS:O	3:M:710:GLY:N	2.49	0.45
3:M:707:CYS:O	3:M:710:GLY:N	2.49	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.45
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.45
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
1:B:107:ASP:OD2	2:C:126:LEU:CD2	2.64	0.45
1:B:112:ILE:CG1	2:C:125:GLU:HG2	2.26	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:509:GLU:HB2	3:M:761:GLY:HA3	1.98	0.45
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.45
3:M:503:TYR:CE1	3:M:766:PHE:HE2	2.20	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.45
2:C:94:PHE:C	3:M:724:TYR:H	2.22	0.45
2:C:140:GLU:OE2	3:M:732:ILE:O	2.35	0.45
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.53	0.45
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.53	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.53	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.53	0.45
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.45
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.46	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.53	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.53	0.45
1:B:107:ASP:CB	2:C:125:GLU:CA	2.94	0.45
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.45
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.45
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.45
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.45
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.71	0.45
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.45
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.45
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.45
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.25	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.45
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.45
3:M:508:ILE:C	3:M:764:LYS:HG3	2.42	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.24	0.45
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:802:GLU:O	3:M:806:MET:N	2.49	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:506:GLU:HG3	3:M:764:LYS:HB2	1.81	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:509:GLU:OE2	3:M:715:VAL:O	2.34	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:508:ILE:HG23	3:M:714:ARG:HA	1.62	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
1:B:107:ASP:OD1	3:M:797:PHE:CD2	2.70	0.45
1:B:110:GLY:HA3	2:C:124:GLU:HA	1.41	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:779:ARG:C	3:M:780:ASP:HA	2.34	0.45
3:M:779:ARG:CA	3:M:783:LEU:HD13	2.46	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
1:B:120:LEU:HD23	2:C:19:ARG:NH2	2.27	0.45
2:C:92:ARG:CB	3:M:725:ARG:HH11	2.26	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.45
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.45
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.45
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.45
3:M:508:ILE:HD12	3:M:714:ARG:NE	2.32	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.45
3:M:708:ARG:CG	3:M:768:LYS:HD2	2.22	0.45
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.25	0.45
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:709:LYS:C	3:M:710:GLY:N	2.75	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.45
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:96:LYS:HD2	3:M:747:LEU:HG	0.45	0.45
2:C:96:LYS:CG	3:M:747:LEU:N	2.66	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.45
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:779:ARG:O	3:M:783:LEU:CD1	2.65	0.45
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.45
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.45
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.45
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.44
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.44
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:709:LYS:HA	3:M:768:LYS:HE3	1.73	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.44
3:M:511:GLU:OE1	3:M:760:PHE:O	2.35	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:110:GLY:C	2:C:124:GLU:HB3	2.41	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.44
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:805:ARG:O	3:M:809:ARG:CA	2.62	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
2:C:103:MET:HG3	3:M:719:ASP:H	1.45	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:779:ARG:NE	3:M:783:LEU:HD22	2.32	0.44
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.44
3:M:508:ILE:HG21	3:M:714:ARG:HE	1.51	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.44
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.44
3:M:510:TRP:HZ3	3:M:766:PHE:CA	2.28	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:HH2	3:M:767:PHE:N	2.16	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:779:ARG:O	3:M:782:LYS:N	2.50	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.44
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.44
2:C:97:GLU:HG2	3:M:745:GLU:N	2.32	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:779:ARG:HG2	3:M:783:LEU:HB2	1.98	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
2:C:88:VAL:CB	3:M:725:ARG:NH2	2.33	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.95	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.44
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.44
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
1:B:109:LYS:HB3	2:C:127:MET:HB3	1.60	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:511:GLU:CD	3:M:764:LYS:CG	2.90	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.52	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:509:GLU:O	3:M:766:PHE:CB	2.44	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
2:C:96:LYS:CE	3:M:729:ALA:O	2.65	0.44
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.44
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.32	0.44
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.44
2:C:93:VAL:O	3:M:747:LEU:HD13	2.18	0.44
2:C:106:GLU:HB3	3:M:722:GLN:HB3	1.54	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.32	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.83	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.83	0.44
3:M:510:TRP:CZ3	3:M:711:PHE:CD1	2.98	0.44
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.83	0.44
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.83	0.44
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.32	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.32	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.83	0.44
3:M:709:LYS:CG	3:M:711:PHE:CE2	2.84	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.83	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.32	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.32	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.44
2:C:92:ARG:CD	3:M:736:GLN:CD	2.90	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:88:ILE:HG22	3:M:90:ASP:C	2.42	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:510:TRP:CH2	3:M:711:PHE:CE2	3.01	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.18	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
2:C:110:VAL:CG2	3:M:779:ARG:HH22	2.29	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
2:C:17:PHE:CG	3:M:806:MET:HE1	2.51	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:505:LYS:O	3:M:763:THR:HB	2.18	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.44
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.44
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.18	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
2:C:92:ARG:CG	3:M:736:GLN:HE22	2.16	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.68	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.68	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.68	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.68	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.68	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.68	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:503:TYR:C	3:M:766:PHE:HZ	2.16	0.44
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.68	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
2:C:94:PHE:HB3	3:M:724:TYR:H	1.79	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:802:GLU:OE2	3:M:809:ARG:NH2	2.51	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.44
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.78	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.78	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.78	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.44
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.44
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.25	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.78	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.78	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.78	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.78	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.44
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.44
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:510:TRP:CG	3:M:714:ARG:HH21	2.34	0.44
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
2:C:96:LYS:CE	3:M:725:ARG:NE	2.69	0.44
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.44
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.44
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.44
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.44
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:707:CYS:O	3:M:710:GLY:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.44
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.44
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.44
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.44
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:707:CYS:O	3:M:710:GLY:N	2.51	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.44
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.44
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.44
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.44
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.44
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.44
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.44
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.44
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.44
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.44
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:510:TRP:CE2	3:M:711:PHE:CD2	3.06	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.44
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.44
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.44
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.71	0.44
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:511:GLU:OE2	3:M:764:LYS:HG2	2.18	0.43
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.43
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.43
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.53	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:509:GLU:OE1	3:M:760:PHE:O	2.35	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.43
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:709:LYS:O	3:M:768:LYS:CE	2.66	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.44	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:97:GLU:HA	3:M:745:GLU:H	0.62	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.18	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.43
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.43
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.43
3:M:665:ARG:C	3:M:667:THR:N	2.74	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.52	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.43
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.43
2:C:92:ARG:CD	3:M:725:ARG:NH1	2.78	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.43
3:M:803:TYR:O	3:M:806:MET:N	2.51	0.43
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.43
3:M:510:TRP:CZ3	3:M:711:PHE:C	2.96	0.43
3:M:510:TRP:CH2	3:M:767:PHE:N	2.86	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:776:GLU:O	3:M:780:ASP:N	2.51	0.43
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
1:B:109:LYS:HE3	2:C:142:PHE:HE2	1.82	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.43
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:804:ARG:HG2	3:M:808:GLU:HG2	1.53	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.43
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
2:C:100:GLY:N	3:M:736:GLN:CA	2.81	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:503:TYR:HB3	3:M:714:ARG:CZ	2.28	0.43
2:C:89:GLU:HG3	3:M:736:GLN:HG3	2.00	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:THR:HB	2:C:19:ARG:CB	2.45	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:709:LYS:O	3:M:710:GLY:O	2.37	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.43
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.43
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.43
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:106:GLU:HB3	3:M:723:ARG:N	2.34	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.44	0.43
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.71	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
2:C:139:TYR:HE1	3:M:722:GLN:HB2	1.83	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.43
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
2:C:92:ARG:CD	3:M:736:GLN:HE22	2.31	0.43
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.84	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.84	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:509:GLU:HB2	3:M:760:PHE:O	2.19	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.84	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.84	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.84	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.84	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.84	0.43
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
2:C:92:ARG:O	3:M:725:ARG:HA	2.14	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:726:VAL:HA	3:M:786:ILE:HD13	1.65	0.43
3:M:726:VAL:HG11	3:M:782:LYS:O	2.18	0.43
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.71	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.71	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
2:C:16:LEU:HB3	3:M:806:MET:SD	2.59	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.27	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:510:TRP:CD2	3:M:711:PHE:C	2.72	0.43
3:M:709:LYS:CA	3:M:768:LYS:HZ3	2.31	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:111:SER:O	2:C:124:GLU:CB	2.67	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
2:C:16:LEU:O	3:M:806:MET:HE1	2.19	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:508:ILE:HD11	3:M:714:ARG:HH12	1.54	0.43
3:M:777:GLU:O	3:M:780:ASP:HB2	2.19	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.43
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.43
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.43
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.43
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.61	0.43
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.61	0.43
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.61	0.43
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.61	0.43
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.61	0.43
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.61	0.43
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.44	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.61	0.43
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:804:ARG:C	3:M:808:GLU:CD	2.86	0.43
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
2:C:96:LYS:CB	3:M:720:PHE:N	2.81	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:509:GLU:HB3	3:M:759:ARG:O	2.18	0.43
3:M:510:TRP:CG	3:M:711:PHE:HB2	2.53	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:802:GLU:O	3:M:806:MET:HG3	2.19	0.43
1:B:113:LYS:CD	2:C:121:GLU:CB	2.60	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
1:B:123:THR:C	2:C:19:ARG:HA	2.43	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
2:C:139:TYR:CE1	3:M:722:GLN:HB2	2.53	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:779:ARG:NH2	3:M:783:LEU:HD23	2.32	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:502:GLU:HG2	3:M:714:ARG:NH1	2.30	0.43
3:M:510:TRP:CD2	3:M:711:PHE:CE2	3.06	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:584:TYR:CD1	3:M:584:TYR:C	2.96	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.82	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.82	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.82	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.43
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.43
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:17:PHE:CD1	3:M:806:MET:HE1	2.53	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:223:ILE:C	3:M:225:ALA:N	2.76	0.43
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.43
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.43
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.43
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.43
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.43
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.43
2:C:96:LYS:HD2	3:M:725:ARG:HB2	1.87	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.43
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:510:TRP:CZ2	3:M:766:PHE:HB3	2.53	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.43
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.43
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.43
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.43
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.43
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.43
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.43
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.43
3:M:508:ILE:CG2	3:M:766:PHE:CA	2.78	0.43
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.43
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.43
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.43
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.43
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.43
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.43
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.43
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.43
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.43
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.43
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.43
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.43
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.43
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.43
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.43
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
2:C:94:PHE:CG	3:M:724:TYR:N	2.87	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.43
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.84	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.43
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.43
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.84	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.43
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.84	0.43
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.43
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.84	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:506:GLU:HG3	3:M:764:LYS:HD2	1.27	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
3:M:762:HIS:CD2	3:M:762:HIS:N	2.78	0.43
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.43
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.84	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.43
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.43
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.84	0.43
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.43
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.43
3:M:509:GLU:CB	3:M:760:PHE:O	2.66	0.43
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.43
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.42
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.42
3:M:751:ILE:C	3:M:753:VAL:HG22	2.43	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
1:B:109:LYS:HB3	2:C:131:GLU:CG	2.48	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:510:TRP:CD1	3:M:711:PHE:H	2.33	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.42
1:B:87:LYS:HZ1	3:M:829:TRP:HZ2	1.53	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.42
3:M:805:ARG:CA	3:M:808:GLU:HB2	2.40	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:772:LEU:HA	3:M:772:LEU:HD12	1.82	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
2:C:101:THR:HG21	3:M:740:SER:C	2.38	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.42
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.42
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.42
3:M:510:TRP:CE3	3:M:712:PRO:CA	3.02	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.42
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:510:TRP:CG	3:M:711:PHE:O	2.67	0.42
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.42
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
3:M:779:ARG:CA	3:M:780:ASP:N	2.71	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.42
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.42
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.42
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.42
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
1:B:128:PHE:HZ	3:M:821:ARG:CZ	2.14	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.42
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.42
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.42
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.42
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.42
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.42
3:M:805:ARG:O	3:M:809:ARG:CA	2.67	0.42
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.42
3:M:726:VAL:CG2	3:M:786:ILE:CG2	2.70	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.42
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.42
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.42
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:805:ARG:C	3:M:809:ARG:HD2	2.44	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:88:ILE:HG21	3:M:88:ILE:HD12	1.78	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.97	0.42
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.78	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:751:ILE:C	3:M:753:VAL:HG22	2.44	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:88:ILE:HG21	3:M:88:ILE:HD12	1.78	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:109:LYS:CG	2:C:131:GLU:H	2.28	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:88:ILE:HG21	3:M:88:ILE:HD12	1.78	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:508:ILE:HD13	3:M:766:PHE:CD2	2.21	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.42
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.42
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.78	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.42
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.47	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.44	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
1:B:109:LYS:HZ3	2:C:137:ILE:HG21	1.72	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:709:LYS:CA	3:M:710:GLY:N	2.77	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.42
3:M:805:ARG:C	3:M:809:ARG:H	2.18	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:510:TRP:N	3:M:766:PHE:CE2	2.87	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.42
1:B:106:PRO:CG	2:C:128:LYS:HE2	2.47	0.42
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
2:C:94:PHE:N	3:M:726:VAL:CG2	2.82	0.42
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.42
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:503:TYR:HE1	3:M:714:ARG:NE	2.13	0.42
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.42
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.42
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:802:GLU:O	3:M:806:MET:HG3	2.20	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:802:GLU:C	3:M:806:MET:CG	2.86	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.42
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.42
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.70	0.42
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.42
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.42
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
2:C:103:MET:HB2	3:M:719:ASP:N	1.91	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:503:TYR:HD1	3:M:714:ARG:CD	2.00	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:707:CYS:O	3:M:710:GLY:N	2.53	0.42
3:M:747:LEU:HD23	3:M:747:LEU:C	2.43	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:503:TYR:CD1	3:M:714:ARG:CZ	3.00	0.42
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:510:TRP:CH2	3:M:766:PHE:HD2	2.37	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.42
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
1:B:107:ASP:CG	2:C:126:LEU:CD2	2.88	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.42
3:M:805:ARG:C	3:M:809:ARG:CD	2.93	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.42
3:M:805:ARG:CB	3:M:809:ARG:HG3	2.50	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
1:B:126:ASP:HA	2:C:20:THR:HA	0.45	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
2:C:17:PHE:CD1	3:M:806:MET:HE1	2.54	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:805:ARG:O	3:M:809:ARG:CG	2.67	0.42
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.27	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.42
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.42
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:728:ASN:C	3:M:730:SER:N	2.78	0.42
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.42
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.42
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.42
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.42
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.42
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.42
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.42
3:M:778:MET:O	3:M:782:LYS:CB	2.67	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.42
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:509:GLU:O	3:M:766:PHE:CB	2.42	0.42
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:96:LYS:HD2	3:M:725:ARG:HD2	1.04	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.42
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.42
1:B:120:LEU:CA	2:C:19:ARG:HH12	2.23	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.42
1:B:123:THR:CB	2:C:19:ARG:NH1	2.83	0.42
2:C:93:VAL:CG2	3:M:729:ALA:H	2.32	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:803:TYR:C	3:M:806:MET:HG3	2.45	0.42
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:707:CYS:O	3:M:710:GLY:N	2.52	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.42
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.70	0.42
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:41:VAL:CG1	3:M:42:HIS:N	2.76	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.42
2:C:92:ARG:H	3:M:725:ARG:HD2	1.85	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:41:VAL:CG1	3:M:42:HIS:N	2.76	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:41:VAL:CG1	3:M:42:HIS:N	2.76	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:41:VAL:CG1	3:M:42:HIS:N	2.76	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:508:ILE:HG22	3:M:714:ARG:HH11	1.71	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:502:GLU:CG	3:M:714:ARG:NH1	2.82	0.42
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.42
1:B:125:CYS:HB2	2:C:19:ARG:C	2.25	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:41:VAL:CG1	3:M:42:HIS:N	2.76	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.42
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.42
3:M:41:VAL:CG1	3:M:42:HIS:N	2.76	0.42
3:M:502:GLU:C	3:M:504:LYS:N	2.77	0.42
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:772:LEU:HA	3:M:772:LEU:HD12	1.82	0.41
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.41
2:C:94:PHE:N	3:M:726:VAL:HG23	2.33	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.35	0.41
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.35	0.41
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:708:ARG:HG3	3:M:768:LYS:CE	2.46	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.20	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
2:C:93:VAL:O	3:M:722:GLN:O	2.37	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.35	0.41
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.20	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.35	0.41
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.35	0.41
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.35	0.41
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.35	0.41
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.41
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
2:C:139:TYR:HB3	3:M:736:GLN:CG	2.47	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.41
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.41
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.41
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.41
1:B:120:LEU:HA	2:C:19:ARG:HH12	0.31	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:132:LEU:C	3:M:134:VAL:H	2.28	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.41
2:C:92:ARG:HD3	3:M:736:GLN:CD	2.45	0.41
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.41
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.41
1:B:107:ASP:CG	3:M:797:PHE:CD2	2.98	0.41
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.41
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.41
3:M:166:MET:HE1	3:M:254:PHE:CB	2.46	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.20	0.41
3:M:728:ASN:C	3:M:730:SER:H	2.26	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.20	0.41
3:M:779:ARG:CG	3:M:783:LEU:CG	2.94	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.50	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:503:TYR:CE1	3:M:711:PHE:O	2.73	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:508:ILE:HA	3:M:764:LYS:HG3	2.02	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.20	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.20	0.41
3:M:754:ASP:C	3:M:756:THR:H	2.26	0.41
1:B:136:MET:HE3	1:B:136:MET:HB3	1.96	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.82	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:510:TRP:CD2	3:M:711:PHE:O	2.71	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.20	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.20	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:149:GLN:HE21	3:M:149:GLN:HB2	1.71	0.41
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.33	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.41
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:149:GLN:HE21	3:M:149:GLN:HB2	1.71	0.41
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.41
3:M:508:ILE:CA	3:M:714:ARG:HD2	2.50	0.41
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
2:C:140:GLU:OE2	3:M:736:GLN:OE1	2.38	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.33	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
3:M:149:GLN:HE21	3:M:149:GLN:HB2	1.71	0.41
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.41
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.33	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.33	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.70	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.33	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.27	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.41
2:C:96:LYS:NZ	3:M:721:LYS:O	2.51	0.41
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.41
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.41
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.41
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.41
3:M:42:HIS:ND1	3:M:42:HIS:C	2.77	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:805:ARG:O	3:M:807:VAL:CA	2.68	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.78	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.03	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.85	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
2:C:92:ARG:HD3	3:M:736:GLN:NE2	2.33	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:709:LYS:O	3:M:768:LYS:HE2	2.21	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.85	0.41
2:C:96:LYS:HG3	3:M:725:ARG:NE	2.35	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.41
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.85	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:709:LYS:N	3:M:710:GLY:N	2.68	0.41
3:M:772:LEU:HA	3:M:772:LEU:HD12	1.82	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:772:LEU:HD12	3:M:772:LEU:HA	1.82	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
2:C:96:LYS:HB3	3:M:717:TYR:C	2.40	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:810:ARG:NH1	3:M:810:ARG:HG2	2.29	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.03	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:506:GLU:C	3:M:763:THR:HB	2.45	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.75	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:507:GLY:HA3	3:M:763:THR:H	1.86	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
2:C:101:THR:H	3:M:743:ALA:HB2	1.85	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:144:ARG:HH11	3:M:160:ASP:CG	2.28	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
2:C:93:VAL:HG22	3:M:729:ALA:N	2.35	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:509:GLU:O	3:M:714:ARG:HD3	2.20	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
1:B:34:ILE:HD11	3:M:834:LEU:HD21	1.86	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
2:C:139:TYR:CD1	3:M:721:LYS:HE2	2.56	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
2:C:97:GLU:HG3	3:M:719:ASP:CA	2.49	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
2:C:92:ARG:HH11	3:M:736:GLN:HE21	1.63	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:607:VAL:C	3:M:609:GLY:N	2.77	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.27	0.41
2:C:89:GLU:OE1	3:M:730:SER:HB3	2.19	0.41
2:C:93:VAL:HB	3:M:726:VAL:HG22	1.81	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.70	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:136:ASN:C	3:M:138:LYS:N	2.75	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
3:M:772:LEU:HD12	3:M:772:LEU:HA	1.82	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.29	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.41
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.71	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:51:THR:O	3:M:62:VAL:CG1	2.63	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:508:ILE:HD13	3:M:508:ILE:HG21	1.88	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:731:ALA:C	3:M:732:ILE:CA	2.87	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
3:M:51:THR:O	3:M:62:VAL:CG1	2.63	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:508:ILE:HD13	3:M:508:ILE:HG21	1.88	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.41
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.41
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.41
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.41
1:B:108:GLY:HA3	2:C:130:GLN:HE21	1.85	0.41
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:51:THR:O	3:M:62:VAL:CG1	2.63	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:361:TYR:C	3:M:363:ASN:N	2.79	0.41
3:M:661:MET:HE3	3:M:661:MET:HB3	1.74	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.41
3:M:51:THR:O	3:M:62:VAL:CG1	2.63	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:508:ILE:HD13	3:M:508:ILE:HG21	1.88	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.41
3:M:51:THR:O	3:M:62:VAL:CG1	2.63	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:508:ILE:CD1	3:M:714:ARG:CB	2.83	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:51:THR:O	3:M:62:VAL:CG1	2.63	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:508:ILE:HD13	3:M:508:ILE:HG21	1.88	0.41
3:M:509:GLU:CA	3:M:766:PHE:CE1	2.98	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:51:THR:O	3:M:62:VAL:CG1	2.63	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:64:THR:HG22	3:M:65:GLU:H	1.86	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.41
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.41
2:C:101:THR:HB	3:M:721:LYS:HD2	1.75	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.09	0.41
3:M:64:THR:HG22	3:M:65:GLU:H	1.86	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.41
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.41
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.41
2:C:16:LEU:HD23	3:M:810:ARG:HH12	1.78	0.41
2:C:89:GLU:HB2	3:M:729:ALA:O	2.21	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.41
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.41
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.41
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.41
3:M:64:THR:HG22	3:M:65:GLU:H	1.86	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.41
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:64:THR:HG22	3:M:65:GLU:H	1.86	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.41
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.20	0.41
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.41
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:64:THR:HG22	3:M:65:GLU:H	1.86	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.41
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:64:THR:HG22	3:M:65:GLU:H	1.86	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.41
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.41
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.41
3:M:709:LYS:C	3:M:768:LYS:NZ	2.74	0.41
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
1:B:124:GLN:HB2	2:C:19:ARG:NE	2.32	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
1:B:109:LYS:CE	2:C:142:PHE:CE2	3.04	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.41
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.41
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.41
3:M:274:ARG:HH22	3:M:282:GLU:CD	2.27	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.41
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.88	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:91:LEU:N	3:M:729:ALA:HB1	2.35	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.88	0.41
3:M:802:GLU:O	3:M:806:MET:HG3	2.21	0.41
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:240:ASN:OD1	3:M:241:ASP:N	2.52	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:240:ASN:OD1	3:M:241:ASP:N	2.52	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.41
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:240:ASN:OD1	3:M:241:ASP:N	2.52	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
2:C:94:PHE:O	3:M:722:GLN:HG3	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:240:ASN:OD1	3:M:241:ASP:N	2.52	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.55	0.41
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:510:TRP:CD2	3:M:711:PHE:HE2	2.30	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.88	0.41
3:M:718:ALA:C	3:M:720:PHE:N	2.78	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.88	0.41
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.56	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:240:ASN:OD1	3:M:241:ASP:N	2.52	0.41
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:240:ASN:OD1	3:M:241:ASP:N	2.52	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:555:TYR:C	3:M:557:GLN:N	2.77	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.88	0.41
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.88	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.57	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:805:ARG:O	3:M:806:MET:C	2.63	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.57	0.40
1:B:108:GLY:HA3	2:C:126:LEU:O	2.19	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:779:ARG:CA	3:M:780:ASP:N	2.77	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.57	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.40
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.40
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.40
1:B:70:GLU:CD	1:B:87:LYS:HZ1	2.29	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.40
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.40
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.40
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.40
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.40
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:511:GLU:N	3:M:766:PHE:HE2	2.19	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
1:B:123:THR:CB	2:C:19:ARG:NE	2.38	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.40
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.03	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:110:TYR:C	3:M:112:ALA:N	2.78	0.40
3:M:223:ILE:C	3:M:225:ALA:N	2.77	0.40
3:M:496:PHE:CG	3:M:514:ASP:HA	2.56	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:668:HIS:CD2	3:M:668:HIS:C	2.99	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.40
2:C:89:GLU:O	3:M:729:ALA:HB3	2.18	0.40
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.40
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:772:LEU:HA	3:M:772:LEU:HD12	1.82	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.40
1:B:113:LYS:CB	2:C:121:GLU:OE1	2.52	0.40
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.40
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
2:C:16:LEU:O	3:M:806:MET:CE	2.69	0.40
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.40
3:M:718:ALA:C	3:M:720:PHE:N	2.78	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:140:GLU:CD	3:M:733:PRO:O	2.60	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
2:C:93:VAL:N	3:M:722:GLN:C	2.44	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:510:TRP:CH2	3:M:711:PHE:CZ	3.01	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.04	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:309:PRO:C	3:M:311:ASP:N	2.79	0.40
3:M:840:PRO:C	3:M:842:LEU:N	2.79	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.40
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.40
3:M:110:TYR:C	3:M:112:ALA:H	2.30	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.40
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:110:TYR:C	3:M:112:ALA:H	2.30	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.40
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.40
3:M:718:ALA:C	3:M:720:PHE:N	2.79	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:110:TYR:C	3:M:112:ALA:H	2.30	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.40
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.40
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.40
3:M:110:TYR:C	3:M:112:ALA:H	2.30	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.40
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.40
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.40
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.40
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.40
3:M:110:TYR:C	3:M:112:ALA:H	2.30	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.40
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.40
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
2:C:140:GLU:OE2	3:M:733:PRO:C	2.61	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
2:C:108:ARG:CG	2:C:127:MET:SD	3.09	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.22	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.22	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.22	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.40
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.22	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.22	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.40
3:M:803:TYR:CD2	3:M:806:MET:SD	3.13	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.22	0.40
3:M:502:GLU:C	3:M:504:LYS:H	2.29	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
2:C:102:VAL:HG22	2:C:139:TYR:CD2	2.57	0.40
3:M:81:ASN:CG	3:M:96:HIS:HB2	2.45	0.40
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:728:ASN:C	3:M:730:SER:N	2.77	0.40
2:C:96:LYS:NZ	3:M:725:ARG:O	2.54	0.40
3:M:110:TYR:C	3:M:112:ALA:H	2.30	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
2:C:56:GLU:O	2:C:60:ALA:N	2.55	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:805:ARG:CB	3:M:809:ARG:HG3	2.51	0.40
3:M:110:TYR:C	3:M:112:ALA:H	2.30	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:54:SER:OG	3:M:61:THR:OG1	2.38	0.40
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.40
2:C:56:GLU:O	2:C:60:ALA:N	2.55	0.40
3:M:54:SER:OG	3:M:61:THR:OG1	2.38	0.40
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.40
1:B:113:LYS:HD2	1:B:116:PHE:CE1	2.57	0.40
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.56	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
2:C:96:LYS:CG	3:M:718:ALA:HA	2.48	0.40
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.56	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.56	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.56	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.40
1:B:113:LYS:HD2	1:B:116:PHE:CE1	2.57	0.40
1:B:136:MET:HE3	1:B:136:MET:HB3	1.95	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:54:SER:OG	3:M:61:THR:OG1	2.38	0.40
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.40
3:M:54:SER:OG	3:M:61:THR:OG1	2.38	0.40
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.40
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.56	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.56	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:840:PRO:C	3:M:842:LEU:H	2.30	0.40
3:M:54:SER:OG	3:M:61:THR:OG1	2.38	0.40
3:M:242:ASN:OD1	3:M:286:HIS:NE2	2.49	0.40
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.40
1:B:113:LYS:HD2	1:B:116:PHE:CE1	2.57	0.40
3:M:54:SER:OG	3:M:61:THR:OG1	2.38	0.40
3:M:242:ASN:OD1	3:M:286:HIS:NE2	2.49	0.40
3:M:332:MET:H	3:M:332:MET:HG2	1.52	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:303:LEU:O	3:M:389:LEU:HD21	2.22	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.40
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:508:ILE:HD13	3:M:508:ILE:HG21	1.88	0.40
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.40	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
1:B:113:LYS:HZ2	2:C:121:GLU:CA	2.06	0.40
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.40	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:771:LEU:C	3:M:773:GLY:N	2.75	0.40
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.40
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:508:ILE:HD13	3:M:508:ILE:HG21	1.88	0.40
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.40
1:B:109:LYS:HE3	2:C:130:GLN:HB3	1.18	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.40	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:508:ILE:HD13	3:M:508:ILE:HG21	1.88	0.40
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.40	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.40	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.40	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.55	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.40	0.40
3:M:224:SER:C	3:M:227:PRO:HD2	2.47	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
1:B:113:LYS:HD2	1:B:116:PHE:CE1	2.57	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
2:C:140:GLU:CA	3:M:736:GLN:CG	2.99	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:303:LEU:O	3:M:389:LEU:HD21	2.22	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:303:LEU:O	3:M:389:LEU:HD21	2.22	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:303:LEU:O	3:M:389:LEU:HD21	2.22	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:303:LEU:O	3:M:389:LEU:HD21	2.22	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
2:C:16:LEU:O	3:M:806:MET:HE1	2.22	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:506:GLU:HB3	3:M:766:PHE:CE1	2.56	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:303:LEU:O	3:M:389:LEU:HD21	2.22	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:303:LEU:O	3:M:389:LEU:HD21	2.22	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
2:C:56:GLU:O	2:C:60:ALA:N	2.55	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:195:TYR:CD2	3:M:199:ILE:HD13	2.57	0.40
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.40
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	1-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1 9
1	2-B	148/150 (99%)	120 (81%)	16 (11%)	12 (8%)	1 9
1	3-B	148/150 (99%)	120 (81%)	16 (11%)	12 (8%)	1 9
1	4-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1 9
1	5-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1 9

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	6-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	7-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	8-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	9-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	10-B	148/150 (99%)	120 (81%)	16 (11%)	12 (8%)	1	9
1	11-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	12-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	13-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	14-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	15-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	16-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	17-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	18-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	19-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	20-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	21-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
1	22-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	9
2	1-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	2-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	3-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	4-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	5-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	6-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	7-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	8-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	9-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	10-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	11-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	12-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	13-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	14-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	15-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	16-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	17-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	18-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	19-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	20-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	21-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
2	22-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	9
3	1-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	2-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	3-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	4-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	5-M	784/840 (93%)	647 (82%)	114 (14%)	23 (3%)	3	23
3	6-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	4	24
3	7-M	788/840 (94%)	650 (82%)	115 (15%)	23 (3%)	3	23
3	8-M	784/840 (93%)	646 (82%)	115 (15%)	23 (3%)	3	23
3	9-M	786/840 (94%)	648 (82%)	115 (15%)	23 (3%)	3	23
3	10-M	788/840 (94%)	651 (83%)	114 (14%)	23 (3%)	3	23
3	11-M	786/840 (94%)	648 (82%)	115 (15%)	23 (3%)	3	23
3	12-M	786/840 (94%)	647 (82%)	115 (15%)	24 (3%)	3	22
3	13-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	14-M	784/840 (93%)	646 (82%)	114 (14%)	24 (3%)	3	22
3	15-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	16-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	17-M	788/840 (94%)	650 (82%)	115 (15%)	23 (3%)	3	23
3	18-M	788/840 (94%)	650 (82%)	115 (15%)	23 (3%)	3	23
3	19-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	20-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	3	23
3	21-M	786/840 (94%)	647 (82%)	115 (15%)	24 (3%)	3	22
3	22-M	786/840 (94%)	648 (82%)	114 (14%)	24 (3%)	3	22
All	All	23696/24970 (95%)	19331 (82%)	3330 (14%)	1035 (4%)	3	17

All (1035) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	1-B	76	ASN
1	1-B	109	LYS
1	1-B	115	SER
1	1-B	141	PRO
1	1-B	142	PRO
1	1-B	149	ASP
2	1-C	7	ILE
2	1-C	41	PRO
2	1-C	61	LYS
2	1-C	133	SER
3	1-M	73	LYS
3	1-M	712	PRO
3	1-M	729	ALA
3	1-M	751	ILE
3	1-M	757	GLN
3	1-M	762	HIS
1	2-B	76	ASN
1	2-B	109	LYS
1	2-B	115	SER
1	2-B	141	PRO
1	2-B	142	PRO
1	2-B	149	ASP
2	2-C	7	ILE
2	2-C	41	PRO
2	2-C	61	LYS
2	2-C	133	SER
3	2-M	73	LYS
3	2-M	712	PRO
3	2-M	729	ALA
3	2-M	751	ILE
3	2-M	757	GLN
3	2-M	762	HIS
1	3-B	76	ASN
1	3-B	109	LYS
1	3-B	115	SER
1	3-B	141	PRO
1	3-B	142	PRO
1	3-B	149	ASP
2	3-C	7	ILE
2	3-C	41	PRO
2	3-C	61	LYS
2	3-C	133	SER

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Mol	Chain	Res	Type
3	3-M	73	LYS
3	3-M	712	PRO
3	3-M	729	ALA
3	3-M	751	ILE
3	3-M	757	GLN
3	3-M	762	HIS
1	4-B	76	ASN
1	4-B	109	LYS
1	4-B	115	SER
1	4-B	141	PRO
1	4-B	142	PRO
1	4-B	149	ASP
2	4-C	7	ILE
2	4-C	41	PRO
2	4-C	61	LYS
2	4-C	133	SER
3	4-M	73	LYS
3	4-M	712	PRO
3	4-M	729	ALA
3	4-M	751	ILE
3	4-M	757	GLN
3	4-M	762	HIS
1	5-B	76	ASN
1	5-B	109	LYS
1	5-B	115	SER
1	5-B	141	PRO
1	5-B	142	PRO
1	5-B	149	ASP
2	5-C	7	ILE
2	5-C	41	PRO
2	5-C	61	LYS
2	5-C	133	SER
3	5-M	73	LYS
3	5-M	712	PRO
3	5-M	729	ALA
3	5-M	751	ILE
3	5-M	757	GLN
3	5-M	762	HIS
1	6-B	76	ASN
1	6-B	109	LYS
1	6-B	115	SER
1	6-B	141	PRO

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Mol	Chain	Res	Type
1	6-B	142	PRO
1	6-B	149	ASP
2	6-C	7	ILE
2	6-C	41	PRO
2	6-C	61	LYS
2	6-C	133	SER
3	6-M	73	LYS
3	6-M	712	PRO
3	6-M	729	ALA
3	6-M	751	ILE
3	6-M	757	GLN
3	6-M	762	HIS
1	7-B	76	ASN
1	7-B	109	LYS
1	7-B	115	SER
1	7-B	141	PRO
1	7-B	142	PRO
1	7-B	149	ASP
2	7-C	7	ILE
2	7-C	41	PRO
2	7-C	61	LYS
2	7-C	133	SER
3	7-M	73	LYS
3	7-M	712	PRO
3	7-M	729	ALA
3	7-M	751	ILE
3	7-M	757	GLN
3	7-M	762	HIS
1	8-B	76	ASN
1	8-B	109	LYS
1	8-B	115	SER
1	8-B	141	PRO
1	8-B	142	PRO
1	8-B	149	ASP
2	8-C	7	ILE
2	8-C	41	PRO
2	8-C	61	LYS
2	8-C	133	SER
3	8-M	73	LYS
3	8-M	712	PRO
3	8-M	729	ALA
3	8-M	751	ILE

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Mol	Chain	Res	Type
3	8-M	757	GLN
3	8-M	762	HIS
1	9-B	76	ASN
1	9-B	109	LYS
1	9-B	115	SER
1	9-B	141	PRO
1	9-B	142	PRO
1	9-B	149	ASP
2	9-C	7	ILE
2	9-C	41	PRO
2	9-C	61	LYS
2	9-C	133	SER
3	9-M	73	LYS
3	9-M	712	PRO
3	9-M	729	ALA
3	9-M	751	ILE
3	9-M	757	GLN
3	9-M	762	HIS
1	10-B	76	ASN
1	10-B	109	LYS
1	10-B	115	SER
1	10-B	141	PRO
1	10-B	142	PRO
1	10-B	149	ASP
2	10-C	7	ILE
2	10-C	41	PRO
2	10-C	61	LYS
2	10-C	133	SER
3	10-M	73	LYS
3	10-M	712	PRO
3	10-M	729	ALA
3	10-M	751	ILE
3	10-M	757	GLN
3	10-M	762	HIS
1	11-B	76	ASN
1	11-B	109	LYS
1	11-B	115	SER
1	11-B	141	PRO
1	11-B	142	PRO
1	11-B	149	ASP
2	11-C	7	ILE
2	11-C	41	PRO

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Mol	Chain	Res	Type
2	11-C	61	LYS
2	11-C	133	SER
3	11-M	73	LYS
3	11-M	712	PRO
3	11-M	729	ALA
3	11-M	751	ILE
3	11-M	757	GLN
3	11-M	762	HIS
1	12-B	76	ASN
1	12-B	109	LYS
1	12-B	115	SER
1	12-B	141	PRO
1	12-B	142	PRO
1	12-B	149	ASP
2	12-C	7	ILE
2	12-C	41	PRO
2	12-C	61	LYS
2	12-C	133	SER
3	12-M	73	LYS
3	12-M	712	PRO
3	12-M	729	ALA
3	12-M	751	ILE
3	12-M	757	GLN
3	12-M	762	HIS
1	13-B	76	ASN
1	13-B	109	LYS
1	13-B	115	SER
1	13-B	141	PRO
1	13-B	142	PRO
1	13-B	149	ASP
2	13-C	7	ILE
2	13-C	41	PRO
2	13-C	61	LYS
2	13-C	133	SER
3	13-M	73	LYS
3	13-M	712	PRO
3	13-M	729	ALA
3	13-M	751	ILE
3	13-M	757	GLN
3	13-M	762	HIS
1	14-B	76	ASN
1	14-B	109	LYS

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Mol	Chain	Res	Type
1	14-B	115	SER
1	14-B	141	PRO
1	14-B	142	PRO
1	14-B	149	ASP
2	14-C	7	ILE
2	14-C	41	PRO
2	14-C	61	LYS
2	14-C	133	SER
3	14-M	73	LYS
3	14-M	712	PRO
3	14-M	729	ALA
3	14-M	751	ILE
3	14-M	757	GLN
3	14-M	762	HIS
1	15-B	76	ASN
1	15-B	109	LYS
1	15-B	115	SER
1	15-B	141	PRO
1	15-B	142	PRO
1	15-B	149	ASP
2	15-C	7	ILE
2	15-C	41	PRO
2	15-C	61	LYS
2	15-C	133	SER
3	15-M	73	LYS
3	15-M	712	PRO
3	15-M	729	ALA
3	15-M	751	ILE
3	15-M	757	GLN
3	15-M	762	HIS
1	16-B	76	ASN
1	16-B	109	LYS
1	16-B	115	SER
1	16-B	141	PRO
1	16-B	142	PRO
1	16-B	149	ASP
2	16-C	7	ILE
2	16-C	41	PRO
2	16-C	61	LYS
2	16-C	133	SER
3	16-M	73	LYS
3	16-M	712	PRO

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Mol	Chain	Res	Type
3	16-M	729	ALA
3	16-M	751	ILE
3	16-M	757	GLN
3	16-M	762	HIS
1	17-B	76	ASN
1	17-B	109	LYS
1	17-B	115	SER
1	17-B	141	PRO
1	17-B	142	PRO
1	17-B	149	ASP
2	17-C	7	ILE
2	17-C	41	PRO
2	17-C	61	LYS
2	17-C	133	SER
3	17-M	73	LYS
3	17-M	712	PRO
3	17-M	729	ALA
3	17-M	751	ILE
3	17-M	757	GLN
3	17-M	762	HIS
1	18-B	76	ASN
1	18-B	109	LYS
1	18-B	115	SER
1	18-B	141	PRO
1	18-B	142	PRO
1	18-B	149	ASP
2	18-C	7	ILE
2	18-C	41	PRO
2	18-C	61	LYS
2	18-C	133	SER
3	18-M	73	LYS
3	18-M	712	PRO
3	18-M	729	ALA
3	18-M	751	ILE
3	18-M	757	GLN
3	18-M	762	HIS
1	19-B	76	ASN
1	19-B	109	LYS
1	19-B	115	SER
1	19-B	141	PRO
1	19-B	142	PRO
1	19-B	149	ASP

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Mol	Chain	Res	Type
2	19-C	7	ILE
2	19-C	41	PRO
2	19-C	61	LYS
2	19-C	133	SER
3	19-M	73	LYS
3	19-M	712	PRO
3	19-M	729	ALA
3	19-M	751	ILE
3	19-M	757	GLN
3	19-M	762	HIS
1	20-B	76	ASN
1	20-B	109	LYS
1	20-B	115	SER
1	20-B	141	PRO
1	20-B	142	PRO
1	20-B	149	ASP
2	20-C	7	ILE
2	20-C	41	PRO
2	20-C	61	LYS
2	20-C	133	SER
3	20-M	73	LYS
3	20-M	712	PRO
3	20-M	729	ALA
3	20-M	751	ILE
3	20-M	757	GLN
3	20-M	762	HIS
1	21-B	76	ASN
1	21-B	109	LYS
1	21-B	115	SER
1	21-B	141	PRO
1	21-B	142	PRO
1	21-B	149	ASP
2	21-C	7	ILE
2	21-C	41	PRO
2	21-C	61	LYS
2	21-C	133	SER
3	21-M	73	LYS
3	21-M	712	PRO
3	21-M	729	ALA
3	21-M	751	ILE
3	21-M	757	GLN
3	21-M	762	HIS

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Mol	Chain	Res	Type
1	22-B	76	ASN
1	22-B	109	LYS
1	22-B	115	SER
1	22-B	141	PRO
1	22-B	142	PRO
1	22-B	149	ASP
2	22-C	7	ILE
2	22-C	41	PRO
2	22-C	61	LYS
2	22-C	133	SER
3	22-M	73	LYS
3	22-M	712	PRO
3	22-M	729	ALA
3	22-M	751	ILE
3	22-M	757	GLN
3	22-M	762	HIS
1	1-B	35	ASP
1	1-B	77	PHE
1	1-B	123	THR
1	1-B	125	CYS
2	1-C	9	ASP
2	1-C	44	ALA
2	1-C	63	ILE
3	1-M	11	GLY
3	1-M	21	GLU
3	1-M	517	MET
3	1-M	731	ALA
3	1-M	827	LYS
1	2-B	35	ASP
1	2-B	77	PHE
1	2-B	123	THR
1	2-B	125	CYS
2	2-C	9	ASP
2	2-C	44	ALA
3	2-M	11	GLY
3	2-M	21	GLU
3	2-M	517	MET
3	2-M	731	ALA
3	2-M	827	LYS
1	3-B	35	ASP
1	3-B	77	PHE
1	3-B	123	THR

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Mol	Chain	Res	Type
1	3-B	125	CYS
2	3-C	9	ASP
2	3-C	44	ALA
3	3-M	11	GLY
3	3-M	21	GLU
3	3-M	517	MET
3	3-M	731	ALA
3	3-M	827	LYS
1	4-B	35	ASP
1	4-B	77	PHE
1	4-B	123	THR
1	4-B	125	CYS
2	4-C	9	ASP
2	4-C	44	ALA
2	4-C	63	ILE
3	4-M	11	GLY
3	4-M	21	GLU
3	4-M	517	MET
3	4-M	731	ALA
3	4-M	827	LYS
1	5-B	35	ASP
1	5-B	77	PHE
1	5-B	123	THR
1	5-B	125	CYS
2	5-C	9	ASP
2	5-C	44	ALA
3	5-M	11	GLY
3	5-M	21	GLU
3	5-M	517	MET
3	5-M	731	ALA
3	5-M	827	LYS
1	6-B	35	ASP
1	6-B	77	PHE
1	6-B	123	THR
1	6-B	125	CYS
2	6-C	9	ASP
2	6-C	44	ALA
2	6-C	63	ILE
3	6-M	11	GLY
3	6-M	21	GLU
3	6-M	517	MET
3	6-M	731	ALA

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Mol	Chain	Res	Type
3	6-M	827	LYS
1	7-B	35	ASP
1	7-B	77	PHE
1	7-B	123	THR
1	7-B	125	CYS
2	7-C	9	ASP
2	7-C	44	ALA
3	7-M	11	GLY
3	7-M	21	GLU
3	7-M	517	MET
3	7-M	731	ALA
3	7-M	827	LYS
1	8-B	35	ASP
1	8-B	77	PHE
1	8-B	123	THR
1	8-B	125	CYS
2	8-C	9	ASP
2	8-C	44	ALA
2	8-C	63	ILE
3	8-M	11	GLY
3	8-M	21	GLU
3	8-M	517	MET
3	8-M	731	ALA
3	8-M	827	LYS
1	9-B	35	ASP
1	9-B	77	PHE
1	9-B	123	THR
1	9-B	125	CYS
2	9-C	9	ASP
2	9-C	44	ALA
3	9-M	11	GLY
3	9-M	21	GLU
3	9-M	517	MET
3	9-M	731	ALA
3	9-M	827	LYS
1	10-B	35	ASP
1	10-B	77	PHE
1	10-B	123	THR
1	10-B	125	CYS
2	10-C	9	ASP
2	10-C	44	ALA
3	10-M	11	GLY

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Mol	Chain	Res	Type
3	10-M	21	GLU
3	10-M	517	MET
3	10-M	731	ALA
3	10-M	827	LYS
1	11-B	35	ASP
1	11-B	77	PHE
1	11-B	123	THR
1	11-B	125	CYS
2	11-C	9	ASP
2	11-C	44	ALA
3	11-M	11	GLY
3	11-M	21	GLU
3	11-M	517	MET
3	11-M	731	ALA
3	11-M	827	LYS
1	12-B	35	ASP
1	12-B	77	PHE
1	12-B	123	THR
1	12-B	125	CYS
2	12-C	9	ASP
2	12-C	44	ALA
2	12-C	63	ILE
3	12-M	11	GLY
3	12-M	21	GLU
3	12-M	517	MET
3	12-M	710	GLY
3	12-M	731	ALA
3	12-M	827	LYS
1	13-B	35	ASP
1	13-B	77	PHE
1	13-B	123	THR
1	13-B	125	CYS
2	13-C	9	ASP
2	13-C	44	ALA
3	13-M	11	GLY
3	13-M	21	GLU
3	13-M	517	MET
3	13-M	731	ALA
3	13-M	827	LYS
1	14-B	35	ASP
1	14-B	77	PHE
1	14-B	123	THR

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Mol	Chain	Res	Type
1	14-B	125	CYS
2	14-C	9	ASP
2	14-C	44	ALA
3	14-M	11	GLY
3	14-M	21	GLU
3	14-M	517	MET
3	14-M	731	ALA
3	14-M	827	LYS
1	15-B	35	ASP
1	15-B	77	PHE
1	15-B	123	THR
1	15-B	125	CYS
2	15-C	9	ASP
2	15-C	44	ALA
3	15-M	11	GLY
3	15-M	21	GLU
3	15-M	517	MET
3	15-M	731	ALA
3	15-M	827	LYS
1	16-B	35	ASP
1	16-B	77	PHE
1	16-B	123	THR
1	16-B	125	CYS
2	16-C	9	ASP
2	16-C	44	ALA
3	16-M	11	GLY
3	16-M	21	GLU
3	16-M	517	MET
3	16-M	731	ALA
3	16-M	827	LYS
1	17-B	35	ASP
1	17-B	77	PHE
1	17-B	123	THR
1	17-B	125	CYS
2	17-C	9	ASP
2	17-C	44	ALA
2	17-C	63	ILE
3	17-M	11	GLY
3	17-M	21	GLU
3	17-M	517	MET
3	17-M	731	ALA
3	17-M	827	LYS

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Mol	Chain	Res	Type
1	18-B	35	ASP
1	18-B	77	PHE
1	18-B	123	THR
1	18-B	125	CYS
2	18-C	9	ASP
2	18-C	44	ALA
2	18-C	63	ILE
3	18-M	11	GLY
3	18-M	21	GLU
3	18-M	517	MET
3	18-M	731	ALA
3	18-M	827	LYS
1	19-B	35	ASP
1	19-B	77	PHE
1	19-B	123	THR
1	19-B	125	CYS
2	19-C	9	ASP
2	19-C	44	ALA
3	19-M	11	GLY
3	19-M	21	GLU
3	19-M	517	MET
3	19-M	731	ALA
3	19-M	827	LYS
1	20-B	35	ASP
1	20-B	77	PHE
1	20-B	123	THR
1	20-B	125	CYS
2	20-C	9	ASP
2	20-C	44	ALA
3	20-M	11	GLY
3	20-M	21	GLU
3	20-M	517	MET
3	20-M	731	ALA
3	20-M	827	LYS
1	21-B	35	ASP
1	21-B	77	PHE
1	21-B	123	THR
1	21-B	125	CYS
2	21-C	9	ASP
2	21-C	44	ALA
3	21-M	11	GLY
3	21-M	21	GLU

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Mol	Chain	Res	Type
3	21-M	517	MET
3	21-M	731	ALA
3	21-M	827	LYS
1	22-B	35	ASP
1	22-B	77	PHE
1	22-B	123	THR
1	22-B	125	CYS
2	22-C	9	ASP
2	22-C	44	ALA
2	22-C	63	ILE
3	22-M	11	GLY
3	22-M	21	GLU
3	22-M	517	MET
3	22-M	731	ALA
3	22-M	827	LYS
1	1-B	18	MET
2	1-C	20	THR
2	1-C	128	LYS
3	1-M	58	GLY
3	1-M	294	ASN
3	1-M	532	ILE
1	2-B	18	MET
2	2-C	20	THR
2	2-C	63	ILE
2	2-C	128	LYS
3	2-M	58	GLY
3	2-M	294	ASN
3	2-M	532	ILE
1	3-B	18	MET
2	3-C	20	THR
2	3-C	63	ILE
2	3-C	128	LYS
3	3-M	58	GLY
3	3-M	294	ASN
3	3-M	532	ILE
1	4-B	18	MET
2	4-C	20	THR
2	4-C	128	LYS
3	4-M	58	GLY
3	4-M	294	ASN
3	4-M	532	ILE
1	5-B	18	MET

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Mol	Chain	Res	Type
2	5-C	20	THR
2	5-C	63	ILE
2	5-C	128	LYS
3	5-M	58	GLY
3	5-M	294	ASN
3	5-M	532	ILE
1	6-B	18	MET
2	6-C	20	THR
2	6-C	128	LYS
3	6-M	58	GLY
3	6-M	294	ASN
3	6-M	532	ILE
1	7-B	18	MET
2	7-C	20	THR
2	7-C	63	ILE
2	7-C	128	LYS
3	7-M	58	GLY
3	7-M	294	ASN
3	7-M	532	ILE
1	8-B	18	MET
2	8-C	20	THR
2	8-C	128	LYS
3	8-M	58	GLY
3	8-M	294	ASN
3	8-M	532	ILE
1	9-B	18	MET
2	9-C	20	THR
2	9-C	63	ILE
2	9-C	128	LYS
3	9-M	58	GLY
3	9-M	294	ASN
3	9-M	532	ILE
1	10-B	18	MET
2	10-C	20	THR
2	10-C	63	ILE
2	10-C	128	LYS
3	10-M	58	GLY
3	10-M	294	ASN
3	10-M	532	ILE
1	11-B	18	MET
2	11-C	20	THR
2	11-C	63	ILE

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Mol	Chain	Res	Type
2	11-C	128	LYS
3	11-M	58	GLY
3	11-M	294	ASN
3	11-M	532	ILE
1	12-B	18	MET
2	12-C	20	THR
2	12-C	128	LYS
3	12-M	58	GLY
3	12-M	294	ASN
3	12-M	532	ILE
1	13-B	18	MET
2	13-C	20	THR
2	13-C	63	ILE
2	13-C	128	LYS
3	13-M	58	GLY
3	13-M	294	ASN
3	13-M	532	ILE
1	14-B	18	MET
2	14-C	20	THR
2	14-C	63	ILE
2	14-C	128	LYS
3	14-M	58	GLY
3	14-M	294	ASN
3	14-M	532	ILE
1	15-B	18	MET
2	15-C	20	THR
2	15-C	63	ILE
2	15-C	128	LYS
3	15-M	58	GLY
3	15-M	294	ASN
3	15-M	532	ILE
1	16-B	18	MET
2	16-C	20	THR
2	16-C	63	ILE
2	16-C	128	LYS
3	16-M	58	GLY
3	16-M	294	ASN
3	16-M	532	ILE
1	17-B	18	MET
2	17-C	20	THR
2	17-C	128	LYS
3	17-M	58	GLY

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Mol	Chain	Res	Type
3	17-M	294	ASN
3	17-M	532	ILE
1	18-B	18	MET
2	18-C	20	THR
2	18-C	128	LYS
3	18-M	58	GLY
3	18-M	294	ASN
3	18-M	532	ILE
1	19-B	18	MET
2	19-C	20	THR
2	19-C	63	ILE
2	19-C	128	LYS
3	19-M	58	GLY
3	19-M	294	ASN
3	19-M	532	ILE
1	20-B	18	MET
2	20-C	20	THR
2	20-C	63	ILE
2	20-C	128	LYS
3	20-M	58	GLY
3	20-M	294	ASN
3	20-M	532	ILE
1	21-B	18	MET
2	21-C	20	THR
2	21-C	63	ILE
2	21-C	128	LYS
3	21-M	58	GLY
3	21-M	294	ASN
3	21-M	532	ILE
1	22-B	18	MET
2	22-C	20	THR
2	22-C	128	LYS
3	22-M	58	GLY
3	22-M	294	ASN
3	22-M	532	ILE
2	1-C	96	LYS
3	1-M	435	GLU
3	1-M	817	GLN
2	2-C	96	LYS
3	2-M	269	LEU
3	2-M	435	GLU
3	2-M	817	GLN

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Mol	Chain	Res	Type
2	3-C	96	LYS
3	3-M	269	LEU
3	3-M	435	GLU
3	3-M	817	GLN
2	4-C	96	LYS
3	4-M	269	LEU
3	4-M	435	GLU
3	4-M	817	GLN
2	5-C	96	LYS
3	5-M	269	LEU
3	5-M	435	GLU
3	5-M	817	GLN
2	6-C	96	LYS
3	6-M	269	LEU
3	6-M	435	GLU
3	6-M	817	GLN
2	7-C	96	LYS
3	7-M	269	LEU
3	7-M	435	GLU
3	7-M	817	GLN
2	8-C	96	LYS
3	8-M	269	LEU
3	8-M	435	GLU
3	8-M	817	GLN
2	9-C	96	LYS
3	9-M	269	LEU
3	9-M	435	GLU
3	9-M	817	GLN
2	10-C	96	LYS
3	10-M	269	LEU
3	10-M	435	GLU
3	10-M	817	GLN
2	11-C	96	LYS
3	11-M	269	LEU
3	11-M	435	GLU
3	11-M	817	GLN
2	12-C	96	LYS
3	12-M	269	LEU
3	12-M	435	GLU
3	12-M	817	GLN
2	13-C	96	LYS
3	13-M	269	LEU

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Mol	Chain	Res	Type
3	13-M	435	GLU
3	13-M	817	GLN
2	14-C	96	LYS
3	14-M	269	LEU
3	14-M	435	GLU
3	14-M	817	GLN
2	15-C	96	LYS
3	15-M	269	LEU
3	15-M	435	GLU
3	15-M	817	GLN
2	16-C	96	LYS
3	16-M	269	LEU
3	16-M	435	GLU
3	16-M	817	GLN
2	17-C	96	LYS
3	17-M	269	LEU
3	17-M	435	GLU
3	17-M	817	GLN
2	18-C	96	LYS
3	18-M	269	LEU
3	18-M	435	GLU
3	18-M	817	GLN
2	19-C	96	LYS
3	19-M	269	LEU
3	19-M	435	GLU
3	19-M	817	GLN
2	20-C	96	LYS
3	20-M	269	LEU
3	20-M	435	GLU
3	20-M	817	GLN
2	21-C	96	LYS
3	21-M	269	LEU
3	21-M	435	GLU
3	21-M	817	GLN
2	22-C	96	LYS
3	22-M	269	LEU
3	22-M	435	GLU
3	22-M	817	GLN
1	1-B	105	ASP
3	1-M	8	ALA
3	1-M	269	LEU
3	1-M	556	ASP

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Mol	Chain	Res	Type
1	2-B	105	ASP
3	2-M	8	ALA
3	2-M	556	ASP
1	3-B	105	ASP
3	3-M	8	ALA
3	3-M	556	ASP
1	4-B	105	ASP
3	4-M	8	ALA
3	4-M	556	ASP
1	5-B	105	ASP
2	5-C	148	SER
3	5-M	8	ALA
3	5-M	556	ASP
1	6-B	105	ASP
3	6-M	8	ALA
3	6-M	556	ASP
1	7-B	105	ASP
2	7-C	148	SER
3	7-M	8	ALA
3	7-M	556	ASP
1	8-B	105	ASP
2	8-C	148	SER
3	8-M	8	ALA
3	8-M	556	ASP
1	9-B	105	ASP
2	9-C	148	SER
3	9-M	8	ALA
3	9-M	556	ASP
1	10-B	105	ASP
2	10-C	148	SER
3	10-M	8	ALA
3	10-M	556	ASP
1	11-B	105	ASP
2	11-C	148	SER
3	11-M	8	ALA
3	11-M	556	ASP
1	12-B	105	ASP
2	12-C	148	SER
3	12-M	8	ALA
3	12-M	556	ASP
1	13-B	105	ASP
3	13-M	8	ALA

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Mol	Chain	Res	Type
3	13-M	556	ASP
1	14-B	105	ASP
3	14-M	8	ALA
3	14-M	556	ASP
1	15-B	105	ASP
2	15-C	148	SER
3	15-M	8	ALA
3	15-M	556	ASP
1	16-B	105	ASP
3	16-M	8	ALA
3	16-M	556	ASP
1	17-B	105	ASP
2	17-C	148	SER
3	17-M	8	ALA
3	17-M	556	ASP
1	18-B	105	ASP
2	18-C	148	SER
3	18-M	8	ALA
3	18-M	556	ASP
1	19-B	105	ASP
3	19-M	8	ALA
3	19-M	556	ASP
1	20-B	105	ASP
3	20-M	8	ALA
3	20-M	556	ASP
1	21-B	105	ASP
2	21-C	148	SER
3	21-M	8	ALA
3	21-M	556	ASP
1	22-B	105	ASP
2	22-C	148	SER
3	22-M	8	ALA
3	22-M	556	ASP
2	1-C	148	SER
3	1-M	79	SER
2	2-C	148	SER
3	2-M	79	SER
3	2-M	219	GLU
2	3-C	148	SER
3	3-M	79	SER
3	3-M	219	GLU
2	4-C	148	SER

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Mol	Chain	Res	Type
3	4-M	79	SER
3	5-M	79	SER
3	5-M	219	GLU
2	6-C	148	SER
3	6-M	79	SER
3	7-M	79	SER
3	7-M	219	GLU
3	8-M	79	SER
3	8-M	219	GLU
3	9-M	79	SER
3	9-M	219	GLU
3	10-M	79	SER
3	10-M	219	GLU
3	11-M	79	SER
3	11-M	219	GLU
3	12-M	79	SER
3	12-M	219	GLU
2	13-C	148	SER
3	13-M	79	SER
3	13-M	219	GLU
2	14-C	148	SER
3	14-M	79	SER
3	14-M	219	GLU
3	14-M	822	SER
3	15-M	79	SER
3	15-M	219	GLU
2	16-C	148	SER
3	16-M	79	SER
3	16-M	219	GLU
3	17-M	79	SER
3	17-M	219	GLU
3	18-M	79	SER
3	18-M	219	GLU
2	19-C	148	SER
3	19-M	79	SER
3	19-M	219	GLU
2	20-C	148	SER
3	20-M	79	SER
3	20-M	219	GLU
3	21-M	79	SER
3	21-M	219	GLU
3	21-M	822	SER

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Mol	Chain	Res	Type
3	22-M	79	SER
3	22-M	219	GLU
3	22-M	822	SER
3	1-M	287	ILE
3	1-M	840	PRO
3	2-M	287	ILE
3	2-M	840	PRO
3	3-M	287	ILE
3	3-M	840	PRO
3	4-M	287	ILE
3	4-M	840	PRO
3	5-M	287	ILE
3	5-M	840	PRO
3	6-M	287	ILE
3	6-M	840	PRO
3	7-M	287	ILE
3	7-M	840	PRO
3	8-M	287	ILE
3	8-M	840	PRO
3	9-M	287	ILE
3	9-M	840	PRO
3	10-M	287	ILE
3	10-M	840	PRO
3	11-M	287	ILE
3	11-M	840	PRO
3	12-M	287	ILE
3	12-M	840	PRO
3	13-M	287	ILE
3	13-M	840	PRO
3	14-M	287	ILE
3	14-M	840	PRO
3	15-M	287	ILE
3	15-M	840	PRO
3	16-M	287	ILE
3	16-M	840	PRO
3	17-M	287	ILE
3	17-M	840	PRO
3	18-M	287	ILE
3	18-M	840	PRO
3	19-M	287	ILE
3	19-M	840	PRO
3	20-M	287	ILE

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Mol	Chain	Res	Type
3	20-M	840	PRO
3	21-M	287	ILE
3	21-M	840	PRO
3	22-M	287	ILE
3	22-M	840	PRO
2	3-C	115	GLY
2	6-C	115	GLY
2	11-C	115	GLY
2	12-C	115	GLY
2	13-C	115	GLY
2	14-C	115	GLY
2	15-C	115	GLY
2	16-C	115	GLY
2	17-C	115	GLY
2	18-C	115	GLY
2	19-C	115	GLY
2	20-C	115	GLY
2	21-C	115	GLY
2	22-C	115	GLY
2	1-C	115	GLY
2	2-C	115	GLY
2	4-C	115	GLY
2	5-C	115	GLY
2	7-C	115	GLY
2	8-C	115	GLY
2	9-C	115	GLY
2	10-C	115	GLY

5.3.2 Protein sidechains

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	1-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	2-B	128/130 (98%)	116 (91%)	12 (9%)	8 26
1	3-B	128/130 (98%)	116 (91%)	12 (9%)	8 26

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	4-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	5-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	6-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	7-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	8-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	9-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	10-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	11-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	12-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	13-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	14-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	15-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	16-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	17-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	18-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	19-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	20-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	21-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
1	22-B	128/130 (98%)	116 (91%)	12 (9%)	8	26
2	1-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	2-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	3-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	4-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	5-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	6-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	7-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	8-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	9-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	10-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	11-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	12-C	120/122 (98%)	107 (89%)	13 (11%)	6	21

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	13-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	14-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	15-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	16-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	17-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	18-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	19-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	20-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	21-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
2	22-C	120/122 (98%)	107 (89%)	13 (11%)	6	21
3	1-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	2-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	3-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	4-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	5-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	6-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	7-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	8-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	9-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	10-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	11-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	12-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	13-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	14-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	15-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	16-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	17-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	18-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	19-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	20-M	693/724 (96%)	498 (72%)	195 (28%)	0	3
3	21-M	693/724 (96%)	498 (72%)	195 (28%)	0	3

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
3	22-M	693/724 (96%)	498 (72%)	195 (28%)	0 3
All	All	20702/21472 (96%)	15862 (77%)	4840 (23%)	2 5

All (4840) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	1-B	16	PHE
1	1-B	35	ASP
1	1-B	75	ILE
1	1-B	94	GLU
1	1-B	107	ASP
1	1-B	114	LYS
1	1-B	117	LEU
1	1-B	129	THR
1	1-B	141	PRO
1	1-B	144	VAL
1	1-B	147	ASN
1	1-B	162	ASP
2	1-C	5	ASP
2	1-C	6	GLU
2	1-C	7	ILE
2	1-C	28	SER
2	1-C	49	ILE
2	1-C	55	LYS
2	1-C	63	ILE
2	1-C	65	PHE
2	1-C	84	PHE
2	1-C	96	LYS
2	1-C	102	VAL
2	1-C	131	GLU
2	1-C	137	ILE
3	1-M	7	MET
3	1-M	12	GLU
3	1-M	17	LEU
3	1-M	20	SER
3	1-M	22	LYS
3	1-M	23	GLU
3	1-M	25	ILE
3	1-M	30	LYS
3	1-M	35	LYS
3	1-M	36	SER
3	1-M	37	SER

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Mol	Chain	Res	Type
3	1-M	38	VAL
3	1-M	40	VAL
3	1-M	41	VAL
3	1-M	46	SER
3	1-M	49	LYS
3	1-M	52	ILE
3	1-M	55	LYS
3	1-M	61	THR
3	1-M	65	GLU
3	1-M	69	THR
3	1-M	70	LEU
3	1-M	72	VAL
3	1-M	73	LYS
3	1-M	75	ASP
3	1-M	76	GLN
3	1-M	88	ILE
3	1-M	97	LEU
3	1-M	106	LEU
3	1-M	109	ARG
3	1-M	114	MET
3	1-M	117	THR
3	1-M	121	LEU
3	1-M	125	THR
3	1-M	126	VAL
3	1-M	127	ASN
3	1-M	130	LYS
3	1-M	136	ASN
3	1-M	146	LYS
3	1-M	149	GLN
3	1-M	155	ILE
3	1-M	157	SER
3	1-M	158	ILE
3	1-M	159	SER
3	1-M	166	MET
3	1-M	167	LEU
3	1-M	169	ASP
3	1-M	170	ARG
3	1-M	173	GLN
3	1-M	175	ILE
3	1-M	178	THR
3	1-M	180	GLU
3	1-M	185	LYS

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Mol	Chain	Res	Type
3	1-M	186	THR
3	1-M	187	VAL
3	1-M	189	THR
3	1-M	191	ARG
3	1-M	193	ILE
3	1-M	194	GLN
3	1-M	198	THR
3	1-M	199	ILE
3	1-M	202	SER
3	1-M	218	LEU
3	1-M	221	GLN
3	1-M	223	ILE
3	1-M	229	LEU
3	1-M	244	SER
3	1-M	245	ARG
3	1-M	248	LYS
3	1-M	251	ARG
3	1-M	273	SER
3	1-M	274	ARG
3	1-M	278	GLN
3	1-M	282	GLU
3	1-M	287	ILE
3	1-M	290	GLN
3	1-M	291	ILE
3	1-M	294	ASN
3	1-M	298	GLU
3	1-M	300	ILE
3	1-M	302	MET
3	1-M	303	LEU
3	1-M	305	ILE
3	1-M	315	VAL
3	1-M	325	ILE
3	1-M	331	LEU
3	1-M	332	MET
3	1-M	336	SER
3	1-M	351	ILE
3	1-M	354	LEU
3	1-M	359	MET
3	1-M	364	LEU
3	1-M	365	LYS
3	1-M	372	GLU
3	1-M	376	GLU

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Mol	Chain	Res	Type
3	1-M	381	GLU
3	1-M	389	LEU
3	1-M	392	LEU
3	1-M	394	SER
3	1-M	399	LYS
3	1-M	401	LEU
3	1-M	405	ARG
3	1-M	410	ASN
3	1-M	411	GLU
3	1-M	436	LYS
3	1-M	439	LEU
3	1-M	448	GLN
3	1-M	449	LEU
3	1-M	452	LYS
3	1-M	453	GLN
3	1-M	455	ARG
3	1-M	456	GLN
3	1-M	457	TYR
3	1-M	462	LEU
3	1-M	471	ASP
3	1-M	480	ILE
3	1-M	487	LEU
3	1-M	495	MET
3	1-M	498	LEU
3	1-M	499	GLU
3	1-M	504	LYS
3	1-M	506	GLU
3	1-M	513	ILE
3	1-M	524	GLU
3	1-M	530	MET
3	1-M	532	ILE
3	1-M	534	SER
3	1-M	537	GLU
3	1-M	549	SER
3	1-M	561	LYS
3	1-M	562	SER
3	1-M	580	SER
3	1-M	593	SER
3	1-M	596	LEU
3	1-M	597	GLU
3	1-M	598	LYS
3	1-M	604	ASN

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Mol	Chain	Res	Type
3	1-M	608	ILE
3	1-M	610	LEU
3	1-M	613	LYS
3	1-M	615	SER
3	1-M	621	LEU
3	1-M	625	THR
3	1-M	664	LEU
3	1-M	666	SER
3	1-M	673	ARG
3	1-M	675	ILE
3	1-M	676	ILE
3	1-M	681	LYS
3	1-M	686	MET
3	1-M	689	GLU
3	1-M	690	LEU
3	1-M	693	HIS
3	1-M	698	ASN
3	1-M	700	VAL
3	1-M	701	LEU
3	1-M	702	GLU
3	1-M	704	ILE
3	1-M	705	ARG
3	1-M	707	CYS
3	1-M	708	ARG
3	1-M	713	SER
3	1-M	714	ARG
3	1-M	716	LEU
3	1-M	722	GLN
3	1-M	723	ARG
3	1-M	727	LEU
3	1-M	728	ASN
3	1-M	734	GLU
3	1-M	737	PHE
3	1-M	744	SER
3	1-M	745	GLU
3	1-M	748	LEU
3	1-M	752	ASP
3	1-M	753	VAL
3	1-M	754	ASP
3	1-M	762	HIS
3	1-M	772	LEU
3	1-M	774	LEU

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Mol	Chain	Res	Type
3	1-M	785	GLU
3	1-M	787	ILE
3	1-M	793	ARG
3	1-M	798	LEU
3	1-M	799	MET
3	1-M	802	GLU
3	1-M	810	ARG
3	1-M	816	ILE
3	1-M	819	ASN
3	1-M	822	SER
3	1-M	832	MET
3	1-M	833	LYS
3	1-M	834	LEU
3	1-M	838	ILE
3	1-M	842	LEU
3	1-M	843	LYS
1	2-B	16	PHE
1	2-B	35	ASP
1	2-B	75	ILE
1	2-B	94	GLU
1	2-B	107	ASP
1	2-B	114	LYS
1	2-B	117	LEU
1	2-B	129	THR
1	2-B	141	PRO
1	2-B	144	VAL
1	2-B	147	ASN
1	2-B	162	ASP
2	2-C	5	ASP
2	2-C	6	GLU
2	2-C	7	ILE
2	2-C	28	SER
2	2-C	49	ILE
2	2-C	55	LYS
2	2-C	63	ILE
2	2-C	65	PHE
2	2-C	84	PHE
2	2-C	96	LYS
2	2-C	102	VAL
2	2-C	131	GLU
2	2-C	137	ILE
3	2-M	7	MET

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Mol	Chain	Res	Type
3	2-M	12	GLU
3	2-M	17	LEU
3	2-M	20	SER
3	2-M	22	LYS
3	2-M	23	GLU
3	2-M	25	ILE
3	2-M	30	LYS
3	2-M	35	LYS
3	2-M	36	SER
3	2-M	37	SER
3	2-M	38	VAL
3	2-M	40	VAL
3	2-M	41	VAL
3	2-M	46	SER
3	2-M	49	LYS
3	2-M	52	ILE
3	2-M	55	LYS
3	2-M	61	THR
3	2-M	65	GLU
3	2-M	69	THR
3	2-M	70	LEU
3	2-M	72	VAL
3	2-M	73	LYS
3	2-M	75	ASP
3	2-M	76	GLN
3	2-M	88	ILE
3	2-M	97	LEU
3	2-M	106	LEU
3	2-M	109	ARG
3	2-M	114	MET
3	2-M	117	THR
3	2-M	121	LEU
3	2-M	125	THR
3	2-M	126	VAL
3	2-M	127	ASN
3	2-M	130	LYS
3	2-M	136	ASN
3	2-M	146	LYS
3	2-M	149	GLN
3	2-M	155	ILE
3	2-M	157	SER
3	2-M	158	ILE

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Mol	Chain	Res	Type
3	2-M	159	SER
3	2-M	166	MET
3	2-M	167	LEU
3	2-M	169	ASP
3	2-M	170	ARG
3	2-M	173	GLN
3	2-M	175	ILE
3	2-M	178	THR
3	2-M	180	GLU
3	2-M	185	LYS
3	2-M	186	THR
3	2-M	187	VAL
3	2-M	189	THR
3	2-M	191	ARG
3	2-M	193	ILE
3	2-M	194	GLN
3	2-M	198	THR
3	2-M	199	ILE
3	2-M	202	SER
3	2-M	218	LEU
3	2-M	221	GLN
3	2-M	223	ILE
3	2-M	229	LEU
3	2-M	244	SER
3	2-M	245	ARG
3	2-M	248	LYS
3	2-M	251	ARG
3	2-M	273	SER
3	2-M	274	ARG
3	2-M	278	GLN
3	2-M	282	GLU
3	2-M	287	ILE
3	2-M	290	GLN
3	2-M	291	ILE
3	2-M	294	ASN
3	2-M	298	GLU
3	2-M	300	ILE
3	2-M	302	MET
3	2-M	303	LEU
3	2-M	305	ILE
3	2-M	315	VAL
3	2-M	325	ILE

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Mol	Chain	Res	Type
3	2-M	331	LEU
3	2-M	332	MET
3	2-M	336	SER
3	2-M	351	ILE
3	2-M	354	LEU
3	2-M	359	MET
3	2-M	364	LEU
3	2-M	365	LYS
3	2-M	372	GLU
3	2-M	376	GLU
3	2-M	381	GLU
3	2-M	389	LEU
3	2-M	392	LEU
3	2-M	394	SER
3	2-M	399	LYS
3	2-M	401	LEU
3	2-M	405	ARG
3	2-M	410	ASN
3	2-M	411	GLU
3	2-M	436	LYS
3	2-M	439	LEU
3	2-M	448	GLN
3	2-M	449	LEU
3	2-M	452	LYS
3	2-M	453	GLN
3	2-M	455	ARG
3	2-M	456	GLN
3	2-M	457	TYR
3	2-M	462	LEU
3	2-M	471	ASP
3	2-M	480	ILE
3	2-M	487	LEU
3	2-M	495	MET
3	2-M	498	LEU
3	2-M	499	GLU
3	2-M	504	LYS
3	2-M	506	GLU
3	2-M	513	ILE
3	2-M	524	GLU
3	2-M	530	MET
3	2-M	532	ILE
3	2-M	534	SER

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Mol	Chain	Res	Type
3	2-M	537	GLU
3	2-M	549	SER
3	2-M	561	LYS
3	2-M	562	SER
3	2-M	580	SER
3	2-M	593	SER
3	2-M	596	LEU
3	2-M	597	GLU
3	2-M	598	LYS
3	2-M	604	ASN
3	2-M	608	ILE
3	2-M	610	LEU
3	2-M	613	LYS
3	2-M	615	SER
3	2-M	621	LEU
3	2-M	625	THR
3	2-M	664	LEU
3	2-M	666	SER
3	2-M	673	ARG
3	2-M	675	ILE
3	2-M	676	ILE
3	2-M	681	LYS
3	2-M	686	MET
3	2-M	689	GLU
3	2-M	690	LEU
3	2-M	693	HIS
3	2-M	698	ASN
3	2-M	700	VAL
3	2-M	701	LEU
3	2-M	702	GLU
3	2-M	704	ILE
3	2-M	705	ARG
3	2-M	707	CYS
3	2-M	708	ARG
3	2-M	713	SER
3	2-M	714	ARG
3	2-M	716	LEU
3	2-M	722	GLN
3	2-M	723	ARG
3	2-M	727	LEU
3	2-M	728	ASN
3	2-M	734	GLU

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Mol	Chain	Res	Type
3	2-M	737	PHE
3	2-M	744	SER
3	2-M	745	GLU
3	2-M	748	LEU
3	2-M	752	ASP
3	2-M	753	VAL
3	2-M	754	ASP
3	2-M	762	HIS
3	2-M	772	LEU
3	2-M	774	LEU
3	2-M	785	GLU
3	2-M	787	ILE
3	2-M	793	ARG
3	2-M	798	LEU
3	2-M	799	MET
3	2-M	802	GLU
3	2-M	810	ARG
3	2-M	816	ILE
3	2-M	819	ASN
3	2-M	822	SER
3	2-M	832	MET
3	2-M	833	LYS
3	2-M	834	LEU
3	2-M	838	ILE
3	2-M	842	LEU
3	2-M	843	LYS
1	3-B	16	PHE
1	3-B	35	ASP
1	3-B	75	ILE
1	3-B	94	GLU
1	3-B	107	ASP
1	3-B	114	LYS
1	3-B	117	LEU
1	3-B	129	THR
1	3-B	141	PRO
1	3-B	144	VAL
1	3-B	147	ASN
1	3-B	162	ASP
2	3-C	5	ASP
2	3-C	6	GLU
2	3-C	7	ILE
2	3-C	28	SER

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Mol	Chain	Res	Type
2	3-C	49	ILE
2	3-C	55	LYS
2	3-C	63	ILE
2	3-C	65	PHE
2	3-C	84	PHE
2	3-C	96	LYS
2	3-C	102	VAL
2	3-C	131	GLU
2	3-C	137	ILE
3	3-M	7	MET
3	3-M	12	GLU
3	3-M	17	LEU
3	3-M	20	SER
3	3-M	22	LYS
3	3-M	23	GLU
3	3-M	25	ILE
3	3-M	30	LYS
3	3-M	35	LYS
3	3-M	36	SER
3	3-M	37	SER
3	3-M	38	VAL
3	3-M	40	VAL
3	3-M	41	VAL
3	3-M	46	SER
3	3-M	49	LYS
3	3-M	52	ILE
3	3-M	55	LYS
3	3-M	61	THR
3	3-M	65	GLU
3	3-M	69	THR
3	3-M	70	LEU
3	3-M	72	VAL
3	3-M	73	LYS
3	3-M	75	ASP
3	3-M	76	GLN
3	3-M	88	ILE
3	3-M	97	LEU
3	3-M	106	LEU
3	3-M	109	ARG
3	3-M	114	MET
3	3-M	117	THR
3	3-M	121	LEU

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Mol	Chain	Res	Type
3	3-M	125	THR
3	3-M	126	VAL
3	3-M	127	ASN
3	3-M	130	LYS
3	3-M	136	ASN
3	3-M	146	LYS
3	3-M	149	GLN
3	3-M	155	ILE
3	3-M	157	SER
3	3-M	158	ILE
3	3-M	159	SER
3	3-M	166	MET
3	3-M	167	LEU
3	3-M	169	ASP
3	3-M	170	ARG
3	3-M	173	GLN
3	3-M	175	ILE
3	3-M	178	THR
3	3-M	180	GLU
3	3-M	185	LYS
3	3-M	186	THR
3	3-M	187	VAL
3	3-M	189	THR
3	3-M	191	ARG
3	3-M	193	ILE
3	3-M	194	GLN
3	3-M	198	THR
3	3-M	199	ILE
3	3-M	202	SER
3	3-M	218	LEU
3	3-M	221	GLN
3	3-M	223	ILE
3	3-M	229	LEU
3	3-M	244	SER
3	3-M	245	ARG
3	3-M	248	LYS
3	3-M	251	ARG
3	3-M	273	SER
3	3-M	274	ARG
3	3-M	278	GLN
3	3-M	282	GLU
3	3-M	287	ILE

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Mol	Chain	Res	Type
3	3-M	290	GLN
3	3-M	291	ILE
3	3-M	294	ASN
3	3-M	298	GLU
3	3-M	300	ILE
3	3-M	302	MET
3	3-M	303	LEU
3	3-M	305	ILE
3	3-M	315	VAL
3	3-M	325	ILE
3	3-M	331	LEU
3	3-M	332	MET
3	3-M	336	SER
3	3-M	351	ILE
3	3-M	354	LEU
3	3-M	359	MET
3	3-M	364	LEU
3	3-M	365	LYS
3	3-M	372	GLU
3	3-M	376	GLU
3	3-M	381	GLU
3	3-M	389	LEU
3	3-M	392	LEU
3	3-M	394	SER
3	3-M	399	LYS
3	3-M	401	LEU
3	3-M	405	ARG
3	3-M	410	ASN
3	3-M	411	GLU
3	3-M	436	LYS
3	3-M	439	LEU
3	3-M	448	GLN
3	3-M	449	LEU
3	3-M	452	LYS
3	3-M	453	GLN
3	3-M	455	ARG
3	3-M	456	GLN
3	3-M	457	TYR
3	3-M	462	LEU
3	3-M	471	ASP
3	3-M	480	ILE
3	3-M	487	LEU

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Mol	Chain	Res	Type
3	3-M	495	MET
3	3-M	498	LEU
3	3-M	499	GLU
3	3-M	504	LYS
3	3-M	506	GLU
3	3-M	513	ILE
3	3-M	524	GLU
3	3-M	530	MET
3	3-M	532	ILE
3	3-M	534	SER
3	3-M	537	GLU
3	3-M	549	SER
3	3-M	561	LYS
3	3-M	562	SER
3	3-M	580	SER
3	3-M	593	SER
3	3-M	596	LEU
3	3-M	597	GLU
3	3-M	598	LYS
3	3-M	604	ASN
3	3-M	608	ILE
3	3-M	610	LEU
3	3-M	613	LYS
3	3-M	615	SER
3	3-M	621	LEU
3	3-M	625	THR
3	3-M	664	LEU
3	3-M	666	SER
3	3-M	673	ARG
3	3-M	675	ILE
3	3-M	676	ILE
3	3-M	681	LYS
3	3-M	686	MET
3	3-M	689	GLU
3	3-M	690	LEU
3	3-M	693	HIS
3	3-M	698	ASN
3	3-M	700	VAL
3	3-M	701	LEU
3	3-M	702	GLU
3	3-M	704	ILE
3	3-M	705	ARG

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Mol	Chain	Res	Type
3	3-M	707	CYS
3	3-M	708	ARG
3	3-M	713	SER
3	3-M	714	ARG
3	3-M	716	LEU
3	3-M	722	GLN
3	3-M	723	ARG
3	3-M	727	LEU
3	3-M	728	ASN
3	3-M	734	GLU
3	3-M	737	PHE
3	3-M	744	SER
3	3-M	745	GLU
3	3-M	748	LEU
3	3-M	752	ASP
3	3-M	753	VAL
3	3-M	754	ASP
3	3-M	762	HIS
3	3-M	772	LEU
3	3-M	774	LEU
3	3-M	785	GLU
3	3-M	787	ILE
3	3-M	793	ARG
3	3-M	798	LEU
3	3-M	799	MET
3	3-M	802	GLU
3	3-M	810	ARG
3	3-M	816	ILE
3	3-M	819	ASN
3	3-M	822	SER
3	3-M	832	MET
3	3-M	833	LYS
3	3-M	834	LEU
3	3-M	838	ILE
3	3-M	842	LEU
3	3-M	843	LYS
1	4-B	16	PHE
1	4-B	35	ASP
1	4-B	75	ILE
1	4-B	94	GLU
1	4-B	107	ASP
1	4-B	114	LYS

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Mol	Chain	Res	Type
1	4-B	117	LEU
1	4-B	129	THR
1	4-B	141	PRO
1	4-B	144	VAL
1	4-B	147	ASN
1	4-B	162	ASP
2	4-C	5	ASP
2	4-C	6	GLU
2	4-C	7	ILE
2	4-C	28	SER
2	4-C	49	ILE
2	4-C	55	LYS
2	4-C	63	ILE
2	4-C	65	PHE
2	4-C	84	PHE
2	4-C	96	LYS
2	4-C	102	VAL
2	4-C	131	GLU
2	4-C	137	ILE
3	4-M	7	MET
3	4-M	12	GLU
3	4-M	17	LEU
3	4-M	20	SER
3	4-M	22	LYS
3	4-M	23	GLU
3	4-M	25	ILE
3	4-M	30	LYS
3	4-M	35	LYS
3	4-M	36	SER
3	4-M	37	SER
3	4-M	38	VAL
3	4-M	40	VAL
3	4-M	41	VAL
3	4-M	46	SER
3	4-M	49	LYS
3	4-M	52	ILE
3	4-M	55	LYS
3	4-M	61	THR
3	4-M	65	GLU
3	4-M	69	THR
3	4-M	70	LEU
3	4-M	72	VAL

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Mol	Chain	Res	Type
3	4-M	73	LYS
3	4-M	75	ASP
3	4-M	76	GLN
3	4-M	88	ILE
3	4-M	97	LEU
3	4-M	106	LEU
3	4-M	109	ARG
3	4-M	114	MET
3	4-M	117	THR
3	4-M	121	LEU
3	4-M	125	THR
3	4-M	126	VAL
3	4-M	127	ASN
3	4-M	130	LYS
3	4-M	136	ASN
3	4-M	146	LYS
3	4-M	149	GLN
3	4-M	155	ILE
3	4-M	157	SER
3	4-M	158	ILE
3	4-M	159	SER
3	4-M	166	MET
3	4-M	167	LEU
3	4-M	169	ASP
3	4-M	170	ARG
3	4-M	173	GLN
3	4-M	175	ILE
3	4-M	178	THR
3	4-M	180	GLU
3	4-M	185	LYS
3	4-M	186	THR
3	4-M	187	VAL
3	4-M	189	THR
3	4-M	191	ARG
3	4-M	193	ILE
3	4-M	194	GLN
3	4-M	198	THR
3	4-M	199	ILE
3	4-M	202	SER
3	4-M	218	LEU
3	4-M	221	GLN
3	4-M	223	ILE

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Mol	Chain	Res	Type
3	4-M	229	LEU
3	4-M	244	SER
3	4-M	245	ARG
3	4-M	248	LYS
3	4-M	251	ARG
3	4-M	273	SER
3	4-M	274	ARG
3	4-M	278	GLN
3	4-M	282	GLU
3	4-M	287	ILE
3	4-M	290	GLN
3	4-M	291	ILE
3	4-M	294	ASN
3	4-M	298	GLU
3	4-M	300	ILE
3	4-M	302	MET
3	4-M	303	LEU
3	4-M	305	ILE
3	4-M	315	VAL
3	4-M	325	ILE
3	4-M	331	LEU
3	4-M	332	MET
3	4-M	336	SER
3	4-M	351	ILE
3	4-M	354	LEU
3	4-M	359	MET
3	4-M	364	LEU
3	4-M	365	LYS
3	4-M	372	GLU
3	4-M	376	GLU
3	4-M	381	GLU
3	4-M	389	LEU
3	4-M	392	LEU
3	4-M	394	SER
3	4-M	399	LYS
3	4-M	401	LEU
3	4-M	405	ARG
3	4-M	410	ASN
3	4-M	411	GLU
3	4-M	436	LYS
3	4-M	439	LEU
3	4-M	448	GLN

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Mol	Chain	Res	Type
3	4-M	449	LEU
3	4-M	452	LYS
3	4-M	453	GLN
3	4-M	455	ARG
3	4-M	456	GLN
3	4-M	457	TYR
3	4-M	462	LEU
3	4-M	471	ASP
3	4-M	480	ILE
3	4-M	487	LEU
3	4-M	495	MET
3	4-M	498	LEU
3	4-M	499	GLU
3	4-M	504	LYS
3	4-M	506	GLU
3	4-M	513	ILE
3	4-M	524	GLU
3	4-M	530	MET
3	4-M	532	ILE
3	4-M	534	SER
3	4-M	537	GLU
3	4-M	549	SER
3	4-M	561	LYS
3	4-M	562	SER
3	4-M	580	SER
3	4-M	593	SER
3	4-M	596	LEU
3	4-M	597	GLU
3	4-M	598	LYS
3	4-M	604	ASN
3	4-M	608	ILE
3	4-M	610	LEU
3	4-M	613	LYS
3	4-M	615	SER
3	4-M	621	LEU
3	4-M	625	THR
3	4-M	664	LEU
3	4-M	666	SER
3	4-M	673	ARG
3	4-M	675	ILE
3	4-M	676	ILE
3	4-M	681	LYS

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Mol	Chain	Res	Type
3	4-M	686	MET
3	4-M	689	GLU
3	4-M	690	LEU
3	4-M	693	HIS
3	4-M	698	ASN
3	4-M	700	VAL
3	4-M	701	LEU
3	4-M	702	GLU
3	4-M	704	ILE
3	4-M	705	ARG
3	4-M	707	CYS
3	4-M	708	ARG
3	4-M	713	SER
3	4-M	714	ARG
3	4-M	716	LEU
3	4-M	722	GLN
3	4-M	723	ARG
3	4-M	727	LEU
3	4-M	728	ASN
3	4-M	734	GLU
3	4-M	737	PHE
3	4-M	744	SER
3	4-M	745	GLU
3	4-M	748	LEU
3	4-M	752	ASP
3	4-M	753	VAL
3	4-M	754	ASP
3	4-M	762	HIS
3	4-M	772	LEU
3	4-M	774	LEU
3	4-M	785	GLU
3	4-M	787	ILE
3	4-M	793	ARG
3	4-M	798	LEU
3	4-M	799	MET
3	4-M	802	GLU
3	4-M	810	ARG
3	4-M	816	ILE
3	4-M	819	ASN
3	4-M	822	SER
3	4-M	832	MET
3	4-M	833	LYS

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Mol	Chain	Res	Type
3	4-M	834	LEU
3	4-M	838	ILE
3	4-M	842	LEU
3	4-M	843	LYS
1	5-B	16	PHE
1	5-B	35	ASP
1	5-B	75	ILE
1	5-B	94	GLU
1	5-B	107	ASP
1	5-B	114	LYS
1	5-B	117	LEU
1	5-B	129	THR
1	5-B	141	PRO
1	5-B	144	VAL
1	5-B	147	ASN
1	5-B	162	ASP
2	5-C	5	ASP
2	5-C	6	GLU
2	5-C	7	ILE
2	5-C	28	SER
2	5-C	49	ILE
2	5-C	55	LYS
2	5-C	63	ILE
2	5-C	65	PHE
2	5-C	84	PHE
2	5-C	96	LYS
2	5-C	102	VAL
2	5-C	131	GLU
2	5-C	137	ILE
3	5-M	7	MET
3	5-M	12	GLU
3	5-M	17	LEU
3	5-M	20	SER
3	5-M	22	LYS
3	5-M	23	GLU
3	5-M	25	ILE
3	5-M	30	LYS
3	5-M	35	LYS
3	5-M	36	SER
3	5-M	37	SER
3	5-M	38	VAL
3	5-M	40	VAL

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Mol	Chain	Res	Type
3	5-M	41	VAL
3	5-M	46	SER
3	5-M	49	LYS
3	5-M	52	ILE
3	5-M	55	LYS
3	5-M	61	THR
3	5-M	65	GLU
3	5-M	69	THR
3	5-M	70	LEU
3	5-M	72	VAL
3	5-M	73	LYS
3	5-M	75	ASP
3	5-M	76	GLN
3	5-M	88	ILE
3	5-M	97	LEU
3	5-M	106	LEU
3	5-M	109	ARG
3	5-M	114	MET
3	5-M	117	THR
3	5-M	121	LEU
3	5-M	125	THR
3	5-M	126	VAL
3	5-M	127	ASN
3	5-M	130	LYS
3	5-M	136	ASN
3	5-M	146	LYS
3	5-M	149	GLN
3	5-M	155	ILE
3	5-M	157	SER
3	5-M	158	ILE
3	5-M	159	SER
3	5-M	166	MET
3	5-M	167	LEU
3	5-M	169	ASP
3	5-M	170	ARG
3	5-M	173	GLN
3	5-M	175	ILE
3	5-M	178	THR
3	5-M	180	GLU
3	5-M	185	LYS
3	5-M	186	THR
3	5-M	187	VAL

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Mol	Chain	Res	Type
3	5-M	189	THR
3	5-M	191	ARG
3	5-M	193	ILE
3	5-M	194	GLN
3	5-M	198	THR
3	5-M	199	ILE
3	5-M	202	SER
3	5-M	218	LEU
3	5-M	221	GLN
3	5-M	223	ILE
3	5-M	229	LEU
3	5-M	244	SER
3	5-M	245	ARG
3	5-M	248	LYS
3	5-M	251	ARG
3	5-M	273	SER
3	5-M	274	ARG
3	5-M	278	GLN
3	5-M	282	GLU
3	5-M	287	ILE
3	5-M	290	GLN
3	5-M	291	ILE
3	5-M	294	ASN
3	5-M	298	GLU
3	5-M	300	ILE
3	5-M	302	MET
3	5-M	303	LEU
3	5-M	305	ILE
3	5-M	315	VAL
3	5-M	325	ILE
3	5-M	331	LEU
3	5-M	332	MET
3	5-M	336	SER
3	5-M	351	ILE
3	5-M	354	LEU
3	5-M	359	MET
3	5-M	364	LEU
3	5-M	365	LYS
3	5-M	372	GLU
3	5-M	376	GLU
3	5-M	381	GLU
3	5-M	389	LEU

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Mol	Chain	Res	Type
3	5-M	392	LEU
3	5-M	394	SER
3	5-M	399	LYS
3	5-M	401	LEU
3	5-M	405	ARG
3	5-M	410	ASN
3	5-M	411	GLU
3	5-M	436	LYS
3	5-M	439	LEU
3	5-M	448	GLN
3	5-M	449	LEU
3	5-M	452	LYS
3	5-M	453	GLN
3	5-M	455	ARG
3	5-M	456	GLN
3	5-M	457	TYR
3	5-M	462	LEU
3	5-M	471	ASP
3	5-M	480	ILE
3	5-M	487	LEU
3	5-M	495	MET
3	5-M	498	LEU
3	5-M	499	GLU
3	5-M	504	LYS
3	5-M	506	GLU
3	5-M	513	ILE
3	5-M	524	GLU
3	5-M	530	MET
3	5-M	532	ILE
3	5-M	534	SER
3	5-M	537	GLU
3	5-M	549	SER
3	5-M	561	LYS
3	5-M	562	SER
3	5-M	580	SER
3	5-M	593	SER
3	5-M	596	LEU
3	5-M	597	GLU
3	5-M	598	LYS
3	5-M	604	ASN
3	5-M	608	ILE
3	5-M	610	LEU

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Mol	Chain	Res	Type
3	5-M	613	LYS
3	5-M	615	SER
3	5-M	621	LEU
3	5-M	625	THR
3	5-M	664	LEU
3	5-M	666	SER
3	5-M	673	ARG
3	5-M	675	ILE
3	5-M	676	ILE
3	5-M	681	LYS
3	5-M	686	MET
3	5-M	689	GLU
3	5-M	690	LEU
3	5-M	693	HIS
3	5-M	698	ASN
3	5-M	700	VAL
3	5-M	701	LEU
3	5-M	702	GLU
3	5-M	704	ILE
3	5-M	705	ARG
3	5-M	707	CYS
3	5-M	708	ARG
3	5-M	713	SER
3	5-M	714	ARG
3	5-M	716	LEU
3	5-M	722	GLN
3	5-M	723	ARG
3	5-M	727	LEU
3	5-M	728	ASN
3	5-M	734	GLU
3	5-M	737	PHE
3	5-M	744	SER
3	5-M	745	GLU
3	5-M	748	LEU
3	5-M	752	ASP
3	5-M	753	VAL
3	5-M	754	ASP
3	5-M	762	HIS
3	5-M	772	LEU
3	5-M	774	LEU
3	5-M	785	GLU
3	5-M	787	ILE

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Mol	Chain	Res	Type
3	5-M	793	ARG
3	5-M	798	LEU
3	5-M	799	MET
3	5-M	802	GLU
3	5-M	810	ARG
3	5-M	816	ILE
3	5-M	819	ASN
3	5-M	822	SER
3	5-M	832	MET
3	5-M	833	LYS
3	5-M	834	LEU
3	5-M	838	ILE
3	5-M	842	LEU
3	5-M	843	LYS
1	6-B	16	PHE
1	6-B	35	ASP
1	6-B	75	ILE
1	6-B	94	GLU
1	6-B	107	ASP
1	6-B	114	LYS
1	6-B	117	LEU
1	6-B	129	THR
1	6-B	141	PRO
1	6-B	144	VAL
1	6-B	147	ASN
1	6-B	162	ASP
2	6-C	5	ASP
2	6-C	6	GLU
2	6-C	7	ILE
2	6-C	28	SER
2	6-C	49	ILE
2	6-C	55	LYS
2	6-C	63	ILE
2	6-C	65	PHE
2	6-C	84	PHE
2	6-C	96	LYS
2	6-C	102	VAL
2	6-C	131	GLU
2	6-C	137	ILE
3	6-M	7	MET
3	6-M	12	GLU
3	6-M	17	LEU

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Mol	Chain	Res	Type
3	6-M	20	SER
3	6-M	22	LYS
3	6-M	23	GLU
3	6-M	25	ILE
3	6-M	30	LYS
3	6-M	35	LYS
3	6-M	36	SER
3	6-M	37	SER
3	6-M	38	VAL
3	6-M	40	VAL
3	6-M	41	VAL
3	6-M	46	SER
3	6-M	49	LYS
3	6-M	52	ILE
3	6-M	55	LYS
3	6-M	61	THR
3	6-M	65	GLU
3	6-M	69	THR
3	6-M	70	LEU
3	6-M	72	VAL
3	6-M	73	LYS
3	6-M	75	ASP
3	6-M	76	GLN
3	6-M	88	ILE
3	6-M	97	LEU
3	6-M	106	LEU
3	6-M	109	ARG
3	6-M	114	MET
3	6-M	117	THR
3	6-M	121	LEU
3	6-M	125	THR
3	6-M	126	VAL
3	6-M	127	ASN
3	6-M	130	LYS
3	6-M	136	ASN
3	6-M	146	LYS
3	6-M	149	GLN
3	6-M	155	ILE
3	6-M	157	SER
3	6-M	158	ILE
3	6-M	159	SER
3	6-M	166	MET

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Mol	Chain	Res	Type
3	6-M	167	LEU
3	6-M	169	ASP
3	6-M	170	ARG
3	6-M	173	GLN
3	6-M	175	ILE
3	6-M	178	THR
3	6-M	180	GLU
3	6-M	185	LYS
3	6-M	186	THR
3	6-M	187	VAL
3	6-M	189	THR
3	6-M	191	ARG
3	6-M	193	ILE
3	6-M	194	GLN
3	6-M	198	THR
3	6-M	199	ILE
3	6-M	202	SER
3	6-M	218	LEU
3	6-M	221	GLN
3	6-M	223	ILE
3	6-M	229	LEU
3	6-M	244	SER
3	6-M	245	ARG
3	6-M	248	LYS
3	6-M	251	ARG
3	6-M	273	SER
3	6-M	274	ARG
3	6-M	278	GLN
3	6-M	282	GLU
3	6-M	287	ILE
3	6-M	290	GLN
3	6-M	291	ILE
3	6-M	294	ASN
3	6-M	298	GLU
3	6-M	300	ILE
3	6-M	302	MET
3	6-M	303	LEU
3	6-M	305	ILE
3	6-M	315	VAL
3	6-M	325	ILE
3	6-M	331	LEU
3	6-M	332	MET

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Mol	Chain	Res	Type
3	6-M	336	SER
3	6-M	351	ILE
3	6-M	354	LEU
3	6-M	359	MET
3	6-M	364	LEU
3	6-M	365	LYS
3	6-M	372	GLU
3	6-M	376	GLU
3	6-M	381	GLU
3	6-M	389	LEU
3	6-M	392	LEU
3	6-M	394	SER
3	6-M	399	LYS
3	6-M	401	LEU
3	6-M	405	ARG
3	6-M	410	ASN
3	6-M	411	GLU
3	6-M	436	LYS
3	6-M	439	LEU
3	6-M	448	GLN
3	6-M	449	LEU
3	6-M	452	LYS
3	6-M	453	GLN
3	6-M	455	ARG
3	6-M	456	GLN
3	6-M	457	TYR
3	6-M	462	LEU
3	6-M	471	ASP
3	6-M	480	ILE
3	6-M	487	LEU
3	6-M	495	MET
3	6-M	498	LEU
3	6-M	499	GLU
3	6-M	504	LYS
3	6-M	506	GLU
3	6-M	513	ILE
3	6-M	524	GLU
3	6-M	530	MET
3	6-M	532	ILE
3	6-M	534	SER
3	6-M	537	GLU
3	6-M	549	SER

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Mol	Chain	Res	Type
3	6-M	561	LYS
3	6-M	562	SER
3	6-M	580	SER
3	6-M	593	SER
3	6-M	596	LEU
3	6-M	597	GLU
3	6-M	598	LYS
3	6-M	604	ASN
3	6-M	608	ILE
3	6-M	610	LEU
3	6-M	613	LYS
3	6-M	615	SER
3	6-M	621	LEU
3	6-M	625	THR
3	6-M	664	LEU
3	6-M	666	SER
3	6-M	673	ARG
3	6-M	675	ILE
3	6-M	676	ILE
3	6-M	681	LYS
3	6-M	686	MET
3	6-M	689	GLU
3	6-M	690	LEU
3	6-M	693	HIS
3	6-M	698	ASN
3	6-M	700	VAL
3	6-M	701	LEU
3	6-M	702	GLU
3	6-M	704	ILE
3	6-M	705	ARG
3	6-M	707	CYS
3	6-M	708	ARG
3	6-M	713	SER
3	6-M	714	ARG
3	6-M	716	LEU
3	6-M	722	GLN
3	6-M	723	ARG
3	6-M	727	LEU
3	6-M	728	ASN
3	6-M	734	GLU
3	6-M	737	PHE
3	6-M	744	SER

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Mol	Chain	Res	Type
3	6-M	745	GLU
3	6-M	748	LEU
3	6-M	752	ASP
3	6-M	753	VAL
3	6-M	754	ASP
3	6-M	762	HIS
3	6-M	772	LEU
3	6-M	774	LEU
3	6-M	785	GLU
3	6-M	787	ILE
3	6-M	793	ARG
3	6-M	798	LEU
3	6-M	799	MET
3	6-M	802	GLU
3	6-M	810	ARG
3	6-M	816	ILE
3	6-M	819	ASN
3	6-M	822	SER
3	6-M	832	MET
3	6-M	833	LYS
3	6-M	834	LEU
3	6-M	838	ILE
3	6-M	842	LEU
3	6-M	843	LYS
1	7-B	16	PHE
1	7-B	35	ASP
1	7-B	75	ILE
1	7-B	94	GLU
1	7-B	107	ASP
1	7-B	114	LYS
1	7-B	117	LEU
1	7-B	129	THR
1	7-B	141	PRO
1	7-B	144	VAL
1	7-B	147	ASN
1	7-B	162	ASP
2	7-C	5	ASP
2	7-C	6	GLU
2	7-C	7	ILE
2	7-C	28	SER
2	7-C	49	ILE
2	7-C	55	LYS

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Mol	Chain	Res	Type
2	7-C	63	ILE
2	7-C	65	PHE
2	7-C	84	PHE
2	7-C	96	LYS
2	7-C	102	VAL
2	7-C	131	GLU
2	7-C	137	ILE
3	7-M	7	MET
3	7-M	12	GLU
3	7-M	17	LEU
3	7-M	20	SER
3	7-M	22	LYS
3	7-M	23	GLU
3	7-M	25	ILE
3	7-M	30	LYS
3	7-M	35	LYS
3	7-M	36	SER
3	7-M	37	SER
3	7-M	38	VAL
3	7-M	40	VAL
3	7-M	41	VAL
3	7-M	46	SER
3	7-M	49	LYS
3	7-M	52	ILE
3	7-M	55	LYS
3	7-M	61	THR
3	7-M	65	GLU
3	7-M	69	THR
3	7-M	70	LEU
3	7-M	72	VAL
3	7-M	73	LYS
3	7-M	75	ASP
3	7-M	76	GLN
3	7-M	88	ILE
3	7-M	97	LEU
3	7-M	106	LEU
3	7-M	109	ARG
3	7-M	114	MET
3	7-M	117	THR
3	7-M	121	LEU
3	7-M	125	THR
3	7-M	126	VAL

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Mol	Chain	Res	Type
3	7-M	127	ASN
3	7-M	130	LYS
3	7-M	136	ASN
3	7-M	146	LYS
3	7-M	149	GLN
3	7-M	155	ILE
3	7-M	157	SER
3	7-M	158	ILE
3	7-M	159	SER
3	7-M	166	MET
3	7-M	167	LEU
3	7-M	169	ASP
3	7-M	170	ARG
3	7-M	173	GLN
3	7-M	175	ILE
3	7-M	178	THR
3	7-M	180	GLU
3	7-M	185	LYS
3	7-M	186	THR
3	7-M	187	VAL
3	7-M	189	THR
3	7-M	191	ARG
3	7-M	193	ILE
3	7-M	194	GLN
3	7-M	198	THR
3	7-M	199	ILE
3	7-M	202	SER
3	7-M	218	LEU
3	7-M	221	GLN
3	7-M	223	ILE
3	7-M	229	LEU
3	7-M	244	SER
3	7-M	245	ARG
3	7-M	248	LYS
3	7-M	251	ARG
3	7-M	273	SER
3	7-M	274	ARG
3	7-M	278	GLN
3	7-M	282	GLU
3	7-M	287	ILE
3	7-M	290	GLN
3	7-M	291	ILE

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Mol	Chain	Res	Type
3	7-M	294	ASN
3	7-M	298	GLU
3	7-M	300	ILE
3	7-M	302	MET
3	7-M	303	LEU
3	7-M	305	ILE
3	7-M	315	VAL
3	7-M	325	ILE
3	7-M	331	LEU
3	7-M	332	MET
3	7-M	336	SER
3	7-M	351	ILE
3	7-M	354	LEU
3	7-M	359	MET
3	7-M	364	LEU
3	7-M	365	LYS
3	7-M	372	GLU
3	7-M	376	GLU
3	7-M	381	GLU
3	7-M	389	LEU
3	7-M	392	LEU
3	7-M	394	SER
3	7-M	399	LYS
3	7-M	401	LEU
3	7-M	405	ARG
3	7-M	410	ASN
3	7-M	411	GLU
3	7-M	436	LYS
3	7-M	439	LEU
3	7-M	448	GLN
3	7-M	449	LEU
3	7-M	452	LYS
3	7-M	453	GLN
3	7-M	455	ARG
3	7-M	456	GLN
3	7-M	457	TYR
3	7-M	462	LEU
3	7-M	471	ASP
3	7-M	480	ILE
3	7-M	487	LEU
3	7-M	495	MET
3	7-M	498	LEU

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Mol	Chain	Res	Type
3	7-M	499	GLU
3	7-M	504	LYS
3	7-M	506	GLU
3	7-M	513	ILE
3	7-M	524	GLU
3	7-M	530	MET
3	7-M	532	ILE
3	7-M	534	SER
3	7-M	537	GLU
3	7-M	549	SER
3	7-M	561	LYS
3	7-M	562	SER
3	7-M	580	SER
3	7-M	593	SER
3	7-M	596	LEU
3	7-M	597	GLU
3	7-M	598	LYS
3	7-M	604	ASN
3	7-M	608	ILE
3	7-M	610	LEU
3	7-M	613	LYS
3	7-M	615	SER
3	7-M	621	LEU
3	7-M	625	THR
3	7-M	664	LEU
3	7-M	666	SER
3	7-M	673	ARG
3	7-M	675	ILE
3	7-M	676	ILE
3	7-M	681	LYS
3	7-M	686	MET
3	7-M	689	GLU
3	7-M	690	LEU
3	7-M	693	HIS
3	7-M	698	ASN
3	7-M	700	VAL
3	7-M	701	LEU
3	7-M	702	GLU
3	7-M	704	ILE
3	7-M	705	ARG
3	7-M	707	CYS
3	7-M	708	ARG

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Mol	Chain	Res	Type
3	7-M	713	SER
3	7-M	714	ARG
3	7-M	716	LEU
3	7-M	722	GLN
3	7-M	723	ARG
3	7-M	727	LEU
3	7-M	728	ASN
3	7-M	734	GLU
3	7-M	737	PHE
3	7-M	744	SER
3	7-M	745	GLU
3	7-M	748	LEU
3	7-M	752	ASP
3	7-M	753	VAL
3	7-M	754	ASP
3	7-M	762	HIS
3	7-M	772	LEU
3	7-M	774	LEU
3	7-M	785	GLU
3	7-M	787	ILE
3	7-M	793	ARG
3	7-M	798	LEU
3	7-M	799	MET
3	7-M	802	GLU
3	7-M	810	ARG
3	7-M	816	ILE
3	7-M	819	ASN
3	7-M	822	SER
3	7-M	832	MET
3	7-M	833	LYS
3	7-M	834	LEU
3	7-M	838	ILE
3	7-M	842	LEU
3	7-M	843	LYS
1	8-B	16	PHE
1	8-B	35	ASP
1	8-B	75	ILE
1	8-B	94	GLU
1	8-B	107	ASP
1	8-B	114	LYS
1	8-B	117	LEU
1	8-B	129	THR

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Mol	Chain	Res	Type
1	8-B	141	PRO
1	8-B	144	VAL
1	8-B	147	ASN
1	8-B	162	ASP
2	8-C	5	ASP
2	8-C	6	GLU
2	8-C	7	ILE
2	8-C	28	SER
2	8-C	49	ILE
2	8-C	55	LYS
2	8-C	63	ILE
2	8-C	65	PHE
2	8-C	84	PHE
2	8-C	96	LYS
2	8-C	102	VAL
2	8-C	131	GLU
2	8-C	137	ILE
3	8-M	7	MET
3	8-M	12	GLU
3	8-M	17	LEU
3	8-M	20	SER
3	8-M	22	LYS
3	8-M	23	GLU
3	8-M	25	ILE
3	8-M	30	LYS
3	8-M	35	LYS
3	8-M	36	SER
3	8-M	37	SER
3	8-M	38	VAL
3	8-M	40	VAL
3	8-M	41	VAL
3	8-M	46	SER
3	8-M	49	LYS
3	8-M	52	ILE
3	8-M	55	LYS
3	8-M	61	THR
3	8-M	65	GLU
3	8-M	69	THR
3	8-M	70	LEU
3	8-M	72	VAL
3	8-M	73	LYS
3	8-M	75	ASP

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Mol	Chain	Res	Type
3	8-M	76	GLN
3	8-M	88	ILE
3	8-M	97	LEU
3	8-M	106	LEU
3	8-M	109	ARG
3	8-M	114	MET
3	8-M	117	THR
3	8-M	121	LEU
3	8-M	125	THR
3	8-M	126	VAL
3	8-M	127	ASN
3	8-M	130	LYS
3	8-M	136	ASN
3	8-M	146	LYS
3	8-M	149	GLN
3	8-M	155	ILE
3	8-M	157	SER
3	8-M	158	ILE
3	8-M	159	SER
3	8-M	166	MET
3	8-M	167	LEU
3	8-M	169	ASP
3	8-M	170	ARG
3	8-M	173	GLN
3	8-M	175	ILE
3	8-M	178	THR
3	8-M	180	GLU
3	8-M	185	LYS
3	8-M	186	THR
3	8-M	187	VAL
3	8-M	189	THR
3	8-M	191	ARG
3	8-M	193	ILE
3	8-M	194	GLN
3	8-M	198	THR
3	8-M	199	ILE
3	8-M	202	SER
3	8-M	218	LEU
3	8-M	221	GLN
3	8-M	223	ILE
3	8-M	229	LEU
3	8-M	244	SER

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Mol	Chain	Res	Type
3	8-M	245	ARG
3	8-M	248	LYS
3	8-M	251	ARG
3	8-M	273	SER
3	8-M	274	ARG
3	8-M	278	GLN
3	8-M	282	GLU
3	8-M	287	ILE
3	8-M	290	GLN
3	8-M	291	ILE
3	8-M	294	ASN
3	8-M	298	GLU
3	8-M	300	ILE
3	8-M	302	MET
3	8-M	303	LEU
3	8-M	305	ILE
3	8-M	315	VAL
3	8-M	325	ILE
3	8-M	331	LEU
3	8-M	332	MET
3	8-M	336	SER
3	8-M	351	ILE
3	8-M	354	LEU
3	8-M	359	MET
3	8-M	364	LEU
3	8-M	365	LYS
3	8-M	372	GLU
3	8-M	376	GLU
3	8-M	381	GLU
3	8-M	389	LEU
3	8-M	392	LEU
3	8-M	394	SER
3	8-M	399	LYS
3	8-M	401	LEU
3	8-M	405	ARG
3	8-M	410	ASN
3	8-M	411	GLU
3	8-M	436	LYS
3	8-M	439	LEU
3	8-M	448	GLN
3	8-M	449	LEU
3	8-M	452	LYS

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Mol	Chain	Res	Type
3	8-M	453	GLN
3	8-M	455	ARG
3	8-M	456	GLN
3	8-M	457	TYR
3	8-M	462	LEU
3	8-M	471	ASP
3	8-M	480	ILE
3	8-M	487	LEU
3	8-M	495	MET
3	8-M	498	LEU
3	8-M	499	GLU
3	8-M	504	LYS
3	8-M	506	GLU
3	8-M	513	ILE
3	8-M	524	GLU
3	8-M	530	MET
3	8-M	532	ILE
3	8-M	534	SER
3	8-M	537	GLU
3	8-M	549	SER
3	8-M	561	LYS
3	8-M	562	SER
3	8-M	580	SER
3	8-M	593	SER
3	8-M	596	LEU
3	8-M	597	GLU
3	8-M	598	LYS
3	8-M	604	ASN
3	8-M	608	ILE
3	8-M	610	LEU
3	8-M	613	LYS
3	8-M	615	SER
3	8-M	621	LEU
3	8-M	625	THR
3	8-M	664	LEU
3	8-M	666	SER
3	8-M	673	ARG
3	8-M	675	ILE
3	8-M	676	ILE
3	8-M	681	LYS
3	8-M	686	MET
3	8-M	689	GLU

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Mol	Chain	Res	Type
3	8-M	690	LEU
3	8-M	693	HIS
3	8-M	698	ASN
3	8-M	700	VAL
3	8-M	701	LEU
3	8-M	702	GLU
3	8-M	704	ILE
3	8-M	705	ARG
3	8-M	707	CYS
3	8-M	708	ARG
3	8-M	713	SER
3	8-M	714	ARG
3	8-M	716	LEU
3	8-M	722	GLN
3	8-M	723	ARG
3	8-M	727	LEU
3	8-M	728	ASN
3	8-M	734	GLU
3	8-M	737	PHE
3	8-M	744	SER
3	8-M	745	GLU
3	8-M	748	LEU
3	8-M	752	ASP
3	8-M	753	VAL
3	8-M	754	ASP
3	8-M	762	HIS
3	8-M	772	LEU
3	8-M	774	LEU
3	8-M	785	GLU
3	8-M	787	ILE
3	8-M	793	ARG
3	8-M	798	LEU
3	8-M	799	MET
3	8-M	802	GLU
3	8-M	810	ARG
3	8-M	816	ILE
3	8-M	819	ASN
3	8-M	822	SER
3	8-M	832	MET
3	8-M	833	LYS
3	8-M	834	LEU
3	8-M	838	ILE

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Mol	Chain	Res	Type
3	8-M	842	LEU
3	8-M	843	LYS
1	9-B	16	PHE
1	9-B	35	ASP
1	9-B	75	ILE
1	9-B	94	GLU
1	9-B	107	ASP
1	9-B	114	LYS
1	9-B	117	LEU
1	9-B	129	THR
1	9-B	141	PRO
1	9-B	144	VAL
1	9-B	147	ASN
1	9-B	162	ASP
2	9-C	5	ASP
2	9-C	6	GLU
2	9-C	7	ILE
2	9-C	28	SER
2	9-C	49	ILE
2	9-C	55	LYS
2	9-C	63	ILE
2	9-C	65	PHE
2	9-C	84	PHE
2	9-C	96	LYS
2	9-C	102	VAL
2	9-C	131	GLU
2	9-C	137	ILE
3	9-M	7	MET
3	9-M	12	GLU
3	9-M	17	LEU
3	9-M	20	SER
3	9-M	22	LYS
3	9-M	23	GLU
3	9-M	25	ILE
3	9-M	30	LYS
3	9-M	35	LYS
3	9-M	36	SER
3	9-M	37	SER
3	9-M	38	VAL
3	9-M	40	VAL
3	9-M	41	VAL
3	9-M	46	SER

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Mol	Chain	Res	Type
3	9-M	49	LYS
3	9-M	52	ILE
3	9-M	55	LYS
3	9-M	61	THR
3	9-M	65	GLU
3	9-M	69	THR
3	9-M	70	LEU
3	9-M	72	VAL
3	9-M	73	LYS
3	9-M	75	ASP
3	9-M	76	GLN
3	9-M	88	ILE
3	9-M	97	LEU
3	9-M	106	LEU
3	9-M	109	ARG
3	9-M	114	MET
3	9-M	117	THR
3	9-M	121	LEU
3	9-M	125	THR
3	9-M	126	VAL
3	9-M	127	ASN
3	9-M	130	LYS
3	9-M	136	ASN
3	9-M	146	LYS
3	9-M	149	GLN
3	9-M	155	ILE
3	9-M	157	SER
3	9-M	158	ILE
3	9-M	159	SER
3	9-M	166	MET
3	9-M	167	LEU
3	9-M	169	ASP
3	9-M	170	ARG
3	9-M	173	GLN
3	9-M	175	ILE
3	9-M	178	THR
3	9-M	180	GLU
3	9-M	185	LYS
3	9-M	186	THR
3	9-M	187	VAL
3	9-M	189	THR
3	9-M	191	ARG

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Mol	Chain	Res	Type
3	9-M	193	ILE
3	9-M	194	GLN
3	9-M	198	THR
3	9-M	199	ILE
3	9-M	202	SER
3	9-M	218	LEU
3	9-M	221	GLN
3	9-M	223	ILE
3	9-M	229	LEU
3	9-M	244	SER
3	9-M	245	ARG
3	9-M	248	LYS
3	9-M	251	ARG
3	9-M	273	SER
3	9-M	274	ARG
3	9-M	278	GLN
3	9-M	282	GLU
3	9-M	287	ILE
3	9-M	290	GLN
3	9-M	291	ILE
3	9-M	294	ASN
3	9-M	298	GLU
3	9-M	300	ILE
3	9-M	302	MET
3	9-M	303	LEU
3	9-M	305	ILE
3	9-M	315	VAL
3	9-M	325	ILE
3	9-M	331	LEU
3	9-M	332	MET
3	9-M	336	SER
3	9-M	351	ILE
3	9-M	354	LEU
3	9-M	359	MET
3	9-M	364	LEU
3	9-M	365	LYS
3	9-M	372	GLU
3	9-M	376	GLU
3	9-M	381	GLU
3	9-M	389	LEU
3	9-M	392	LEU
3	9-M	394	SER

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Mol	Chain	Res	Type
3	9-M	399	LYS
3	9-M	401	LEU
3	9-M	405	ARG
3	9-M	410	ASN
3	9-M	411	GLU
3	9-M	436	LYS
3	9-M	439	LEU
3	9-M	448	GLN
3	9-M	449	LEU
3	9-M	452	LYS
3	9-M	453	GLN
3	9-M	455	ARG
3	9-M	456	GLN
3	9-M	457	TYR
3	9-M	462	LEU
3	9-M	471	ASP
3	9-M	480	ILE
3	9-M	487	LEU
3	9-M	495	MET
3	9-M	498	LEU
3	9-M	499	GLU
3	9-M	504	LYS
3	9-M	506	GLU
3	9-M	513	ILE
3	9-M	524	GLU
3	9-M	530	MET
3	9-M	532	ILE
3	9-M	534	SER
3	9-M	537	GLU
3	9-M	549	SER
3	9-M	561	LYS
3	9-M	562	SER
3	9-M	580	SER
3	9-M	593	SER
3	9-M	596	LEU
3	9-M	597	GLU
3	9-M	598	LYS
3	9-M	604	ASN
3	9-M	608	ILE
3	9-M	610	LEU
3	9-M	613	LYS
3	9-M	615	SER

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Mol	Chain	Res	Type
3	9-M	621	LEU
3	9-M	625	THR
3	9-M	664	LEU
3	9-M	666	SER
3	9-M	673	ARG
3	9-M	675	ILE
3	9-M	676	ILE
3	9-M	681	LYS
3	9-M	686	MET
3	9-M	689	GLU
3	9-M	690	LEU
3	9-M	693	HIS
3	9-M	698	ASN
3	9-M	700	VAL
3	9-M	701	LEU
3	9-M	702	GLU
3	9-M	704	ILE
3	9-M	705	ARG
3	9-M	707	CYS
3	9-M	708	ARG
3	9-M	713	SER
3	9-M	714	ARG
3	9-M	716	LEU
3	9-M	722	GLN
3	9-M	723	ARG
3	9-M	727	LEU
3	9-M	728	ASN
3	9-M	734	GLU
3	9-M	737	PHE
3	9-M	744	SER
3	9-M	745	GLU
3	9-M	748	LEU
3	9-M	752	ASP
3	9-M	753	VAL
3	9-M	754	ASP
3	9-M	762	HIS
3	9-M	772	LEU
3	9-M	774	LEU
3	9-M	785	GLU
3	9-M	787	ILE
3	9-M	793	ARG
3	9-M	798	LEU

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Mol	Chain	Res	Type
3	9-M	799	MET
3	9-M	802	GLU
3	9-M	810	ARG
3	9-M	816	ILE
3	9-M	819	ASN
3	9-M	822	SER
3	9-M	832	MET
3	9-M	833	LYS
3	9-M	834	LEU
3	9-M	838	ILE
3	9-M	842	LEU
3	9-M	843	LYS
1	10-B	16	PHE
1	10-B	35	ASP
1	10-B	75	ILE
1	10-B	94	GLU
1	10-B	107	ASP
1	10-B	114	LYS
1	10-B	117	LEU
1	10-B	129	THR
1	10-B	141	PRO
1	10-B	144	VAL
1	10-B	147	ASN
1	10-B	162	ASP
2	10-C	5	ASP
2	10-C	6	GLU
2	10-C	7	ILE
2	10-C	28	SER
2	10-C	49	ILE
2	10-C	55	LYS
2	10-C	63	ILE
2	10-C	65	PHE
2	10-C	84	PHE
2	10-C	96	LYS
2	10-C	102	VAL
2	10-C	131	GLU
2	10-C	137	ILE
3	10-M	7	MET
3	10-M	12	GLU
3	10-M	17	LEU
3	10-M	20	SER
3	10-M	22	LYS

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Mol	Chain	Res	Type
3	10-M	23	GLU
3	10-M	25	ILE
3	10-M	30	LYS
3	10-M	35	LYS
3	10-M	36	SER
3	10-M	37	SER
3	10-M	38	VAL
3	10-M	40	VAL
3	10-M	41	VAL
3	10-M	46	SER
3	10-M	49	LYS
3	10-M	52	ILE
3	10-M	55	LYS
3	10-M	61	THR
3	10-M	65	GLU
3	10-M	69	THR
3	10-M	70	LEU
3	10-M	72	VAL
3	10-M	73	LYS
3	10-M	75	ASP
3	10-M	76	GLN
3	10-M	88	ILE
3	10-M	97	LEU
3	10-M	106	LEU
3	10-M	109	ARG
3	10-M	114	MET
3	10-M	117	THR
3	10-M	121	LEU
3	10-M	125	THR
3	10-M	126	VAL
3	10-M	127	ASN
3	10-M	130	LYS
3	10-M	136	ASN
3	10-M	146	LYS
3	10-M	149	GLN
3	10-M	155	ILE
3	10-M	157	SER
3	10-M	158	ILE
3	10-M	159	SER
3	10-M	166	MET
3	10-M	167	LEU
3	10-M	169	ASP

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Mol	Chain	Res	Type
3	10-M	170	ARG
3	10-M	173	GLN
3	10-M	175	ILE
3	10-M	178	THR
3	10-M	180	GLU
3	10-M	185	LYS
3	10-M	186	THR
3	10-M	187	VAL
3	10-M	189	THR
3	10-M	191	ARG
3	10-M	193	ILE
3	10-M	194	GLN
3	10-M	198	THR
3	10-M	199	ILE
3	10-M	202	SER
3	10-M	218	LEU
3	10-M	221	GLN
3	10-M	223	ILE
3	10-M	229	LEU
3	10-M	244	SER
3	10-M	245	ARG
3	10-M	248	LYS
3	10-M	251	ARG
3	10-M	273	SER
3	10-M	274	ARG
3	10-M	278	GLN
3	10-M	282	GLU
3	10-M	287	ILE
3	10-M	290	GLN
3	10-M	291	ILE
3	10-M	294	ASN
3	10-M	298	GLU
3	10-M	300	ILE
3	10-M	302	MET
3	10-M	303	LEU
3	10-M	305	ILE
3	10-M	315	VAL
3	10-M	325	ILE
3	10-M	331	LEU
3	10-M	332	MET
3	10-M	336	SER
3	10-M	351	ILE

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Mol	Chain	Res	Type
3	10-M	354	LEU
3	10-M	359	MET
3	10-M	364	LEU
3	10-M	365	LYS
3	10-M	372	GLU
3	10-M	376	GLU
3	10-M	381	GLU
3	10-M	389	LEU
3	10-M	392	LEU
3	10-M	394	SER
3	10-M	399	LYS
3	10-M	401	LEU
3	10-M	405	ARG
3	10-M	410	ASN
3	10-M	411	GLU
3	10-M	436	LYS
3	10-M	439	LEU
3	10-M	448	GLN
3	10-M	449	LEU
3	10-M	452	LYS
3	10-M	453	GLN
3	10-M	455	ARG
3	10-M	456	GLN
3	10-M	457	TYR
3	10-M	462	LEU
3	10-M	471	ASP
3	10-M	480	ILE
3	10-M	487	LEU
3	10-M	495	MET
3	10-M	498	LEU
3	10-M	499	GLU
3	10-M	504	LYS
3	10-M	506	GLU
3	10-M	513	ILE
3	10-M	524	GLU
3	10-M	530	MET
3	10-M	532	ILE
3	10-M	534	SER
3	10-M	537	GLU
3	10-M	549	SER
3	10-M	561	LYS
3	10-M	562	SER

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Mol	Chain	Res	Type
3	10-M	580	SER
3	10-M	593	SER
3	10-M	596	LEU
3	10-M	597	GLU
3	10-M	598	LYS
3	10-M	604	ASN
3	10-M	608	ILE
3	10-M	610	LEU
3	10-M	613	LYS
3	10-M	615	SER
3	10-M	621	LEU
3	10-M	625	THR
3	10-M	664	LEU
3	10-M	666	SER
3	10-M	673	ARG
3	10-M	675	ILE
3	10-M	676	ILE
3	10-M	681	LYS
3	10-M	686	MET
3	10-M	689	GLU
3	10-M	690	LEU
3	10-M	693	HIS
3	10-M	698	ASN
3	10-M	700	VAL
3	10-M	701	LEU
3	10-M	702	GLU
3	10-M	704	ILE
3	10-M	705	ARG
3	10-M	707	CYS
3	10-M	708	ARG
3	10-M	713	SER
3	10-M	714	ARG
3	10-M	716	LEU
3	10-M	722	GLN
3	10-M	723	ARG
3	10-M	727	LEU
3	10-M	728	ASN
3	10-M	734	GLU
3	10-M	737	PHE
3	10-M	744	SER
3	10-M	745	GLU
3	10-M	748	LEU

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Mol	Chain	Res	Type
3	10-M	752	ASP
3	10-M	753	VAL
3	10-M	754	ASP
3	10-M	762	HIS
3	10-M	772	LEU
3	10-M	774	LEU
3	10-M	785	GLU
3	10-M	787	ILE
3	10-M	793	ARG
3	10-M	798	LEU
3	10-M	799	MET
3	10-M	802	GLU
3	10-M	810	ARG
3	10-M	816	ILE
3	10-M	819	ASN
3	10-M	822	SER
3	10-M	832	MET
3	10-M	833	LYS
3	10-M	834	LEU
3	10-M	838	ILE
3	10-M	842	LEU
3	10-M	843	LYS
1	11-B	16	PHE
1	11-B	35	ASP
1	11-B	75	ILE
1	11-B	94	GLU
1	11-B	107	ASP
1	11-B	114	LYS
1	11-B	117	LEU
1	11-B	129	THR
1	11-B	141	PRO
1	11-B	144	VAL
1	11-B	147	ASN
1	11-B	162	ASP
2	11-C	5	ASP
2	11-C	6	GLU
2	11-C	7	ILE
2	11-C	28	SER
2	11-C	49	ILE
2	11-C	55	LYS
2	11-C	63	ILE
2	11-C	65	PHE

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Mol	Chain	Res	Type
2	11-C	84	PHE
2	11-C	96	LYS
2	11-C	102	VAL
2	11-C	131	GLU
2	11-C	137	ILE
3	11-M	7	MET
3	11-M	12	GLU
3	11-M	17	LEU
3	11-M	20	SER
3	11-M	22	LYS
3	11-M	23	GLU
3	11-M	25	ILE
3	11-M	30	LYS
3	11-M	35	LYS
3	11-M	36	SER
3	11-M	37	SER
3	11-M	38	VAL
3	11-M	40	VAL
3	11-M	41	VAL
3	11-M	46	SER
3	11-M	49	LYS
3	11-M	52	ILE
3	11-M	55	LYS
3	11-M	61	THR
3	11-M	65	GLU
3	11-M	69	THR
3	11-M	70	LEU
3	11-M	72	VAL
3	11-M	73	LYS
3	11-M	75	ASP
3	11-M	76	GLN
3	11-M	88	ILE
3	11-M	97	LEU
3	11-M	106	LEU
3	11-M	109	ARG
3	11-M	114	MET
3	11-M	117	THR
3	11-M	121	LEU
3	11-M	125	THR
3	11-M	126	VAL
3	11-M	127	ASN
3	11-M	130	LYS

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Mol	Chain	Res	Type
3	11-M	136	ASN
3	11-M	146	LYS
3	11-M	149	GLN
3	11-M	155	ILE
3	11-M	157	SER
3	11-M	158	ILE
3	11-M	159	SER
3	11-M	166	MET
3	11-M	167	LEU
3	11-M	169	ASP
3	11-M	170	ARG
3	11-M	173	GLN
3	11-M	175	ILE
3	11-M	178	THR
3	11-M	180	GLU
3	11-M	185	LYS
3	11-M	186	THR
3	11-M	187	VAL
3	11-M	189	THR
3	11-M	191	ARG
3	11-M	193	ILE
3	11-M	194	GLN
3	11-M	198	THR
3	11-M	199	ILE
3	11-M	202	SER
3	11-M	218	LEU
3	11-M	221	GLN
3	11-M	223	ILE
3	11-M	229	LEU
3	11-M	244	SER
3	11-M	245	ARG
3	11-M	248	LYS
3	11-M	251	ARG
3	11-M	273	SER
3	11-M	274	ARG
3	11-M	278	GLN
3	11-M	282	GLU
3	11-M	287	ILE
3	11-M	290	GLN
3	11-M	291	ILE
3	11-M	294	ASN
3	11-M	298	GLU

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Mol	Chain	Res	Type
3	11-M	300	ILE
3	11-M	302	MET
3	11-M	303	LEU
3	11-M	305	ILE
3	11-M	315	VAL
3	11-M	325	ILE
3	11-M	331	LEU
3	11-M	332	MET
3	11-M	336	SER
3	11-M	351	ILE
3	11-M	354	LEU
3	11-M	359	MET
3	11-M	364	LEU
3	11-M	365	LYS
3	11-M	372	GLU
3	11-M	376	GLU
3	11-M	381	GLU
3	11-M	389	LEU
3	11-M	392	LEU
3	11-M	394	SER
3	11-M	399	LYS
3	11-M	401	LEU
3	11-M	405	ARG
3	11-M	410	ASN
3	11-M	411	GLU
3	11-M	436	LYS
3	11-M	439	LEU
3	11-M	448	GLN
3	11-M	449	LEU
3	11-M	452	LYS
3	11-M	453	GLN
3	11-M	455	ARG
3	11-M	456	GLN
3	11-M	457	TYR
3	11-M	462	LEU
3	11-M	471	ASP
3	11-M	480	ILE
3	11-M	487	LEU
3	11-M	495	MET
3	11-M	498	LEU
3	11-M	499	GLU
3	11-M	504	LYS

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Mol	Chain	Res	Type
3	11-M	506	GLU
3	11-M	513	ILE
3	11-M	524	GLU
3	11-M	530	MET
3	11-M	532	ILE
3	11-M	534	SER
3	11-M	537	GLU
3	11-M	549	SER
3	11-M	561	LYS
3	11-M	562	SER
3	11-M	580	SER
3	11-M	593	SER
3	11-M	596	LEU
3	11-M	597	GLU
3	11-M	598	LYS
3	11-M	604	ASN
3	11-M	608	ILE
3	11-M	610	LEU
3	11-M	613	LYS
3	11-M	615	SER
3	11-M	621	LEU
3	11-M	625	THR
3	11-M	664	LEU
3	11-M	666	SER
3	11-M	673	ARG
3	11-M	675	ILE
3	11-M	676	ILE
3	11-M	681	LYS
3	11-M	686	MET
3	11-M	689	GLU
3	11-M	690	LEU
3	11-M	693	HIS
3	11-M	698	ASN
3	11-M	700	VAL
3	11-M	701	LEU
3	11-M	702	GLU
3	11-M	704	ILE
3	11-M	705	ARG
3	11-M	707	CYS
3	11-M	708	ARG
3	11-M	713	SER
3	11-M	714	ARG

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Mol	Chain	Res	Type
3	11-M	716	LEU
3	11-M	722	GLN
3	11-M	723	ARG
3	11-M	727	LEU
3	11-M	728	ASN
3	11-M	734	GLU
3	11-M	737	PHE
3	11-M	744	SER
3	11-M	745	GLU
3	11-M	748	LEU
3	11-M	752	ASP
3	11-M	753	VAL
3	11-M	754	ASP
3	11-M	762	HIS
3	11-M	772	LEU
3	11-M	774	LEU
3	11-M	785	GLU
3	11-M	787	ILE
3	11-M	793	ARG
3	11-M	798	LEU
3	11-M	799	MET
3	11-M	802	GLU
3	11-M	810	ARG
3	11-M	816	ILE
3	11-M	819	ASN
3	11-M	822	SER
3	11-M	832	MET
3	11-M	833	LYS
3	11-M	834	LEU
3	11-M	838	ILE
3	11-M	842	LEU
3	11-M	843	LYS
1	12-B	16	PHE
1	12-B	35	ASP
1	12-B	75	ILE
1	12-B	94	GLU
1	12-B	107	ASP
1	12-B	114	LYS
1	12-B	117	LEU
1	12-B	129	THR
1	12-B	141	PRO
1	12-B	144	VAL

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Mol	Chain	Res	Type
1	12-B	147	ASN
1	12-B	162	ASP
2	12-C	5	ASP
2	12-C	6	GLU
2	12-C	7	ILE
2	12-C	28	SER
2	12-C	49	ILE
2	12-C	55	LYS
2	12-C	63	ILE
2	12-C	65	PHE
2	12-C	84	PHE
2	12-C	96	LYS
2	12-C	102	VAL
2	12-C	131	GLU
2	12-C	137	ILE
3	12-M	7	MET
3	12-M	12	GLU
3	12-M	17	LEU
3	12-M	20	SER
3	12-M	22	LYS
3	12-M	23	GLU
3	12-M	25	ILE
3	12-M	30	LYS
3	12-M	35	LYS
3	12-M	36	SER
3	12-M	37	SER
3	12-M	38	VAL
3	12-M	40	VAL
3	12-M	41	VAL
3	12-M	46	SER
3	12-M	49	LYS
3	12-M	52	ILE
3	12-M	55	LYS
3	12-M	61	THR
3	12-M	65	GLU
3	12-M	69	THR
3	12-M	70	LEU
3	12-M	72	VAL
3	12-M	73	LYS
3	12-M	75	ASP
3	12-M	76	GLN
3	12-M	88	ILE

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Mol	Chain	Res	Type
3	12-M	97	LEU
3	12-M	106	LEU
3	12-M	109	ARG
3	12-M	114	MET
3	12-M	117	THR
3	12-M	121	LEU
3	12-M	125	THR
3	12-M	126	VAL
3	12-M	127	ASN
3	12-M	130	LYS
3	12-M	136	ASN
3	12-M	146	LYS
3	12-M	149	GLN
3	12-M	155	ILE
3	12-M	157	SER
3	12-M	158	ILE
3	12-M	159	SER
3	12-M	166	MET
3	12-M	167	LEU
3	12-M	169	ASP
3	12-M	170	ARG
3	12-M	173	GLN
3	12-M	175	ILE
3	12-M	178	THR
3	12-M	180	GLU
3	12-M	185	LYS
3	12-M	186	THR
3	12-M	187	VAL
3	12-M	189	THR
3	12-M	191	ARG
3	12-M	193	ILE
3	12-M	194	GLN
3	12-M	198	THR
3	12-M	199	ILE
3	12-M	202	SER
3	12-M	218	LEU
3	12-M	221	GLN
3	12-M	223	ILE
3	12-M	229	LEU
3	12-M	244	SER
3	12-M	245	ARG
3	12-M	248	LYS

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Mol	Chain	Res	Type
3	12-M	251	ARG
3	12-M	273	SER
3	12-M	274	ARG
3	12-M	278	GLN
3	12-M	282	GLU
3	12-M	287	ILE
3	12-M	290	GLN
3	12-M	291	ILE
3	12-M	294	ASN
3	12-M	298	GLU
3	12-M	300	ILE
3	12-M	302	MET
3	12-M	303	LEU
3	12-M	305	ILE
3	12-M	315	VAL
3	12-M	325	ILE
3	12-M	331	LEU
3	12-M	332	MET
3	12-M	336	SER
3	12-M	351	ILE
3	12-M	354	LEU
3	12-M	359	MET
3	12-M	364	LEU
3	12-M	365	LYS
3	12-M	372	GLU
3	12-M	376	GLU
3	12-M	381	GLU
3	12-M	389	LEU
3	12-M	392	LEU
3	12-M	394	SER
3	12-M	399	LYS
3	12-M	401	LEU
3	12-M	405	ARG
3	12-M	410	ASN
3	12-M	411	GLU
3	12-M	436	LYS
3	12-M	439	LEU
3	12-M	448	GLN
3	12-M	449	LEU
3	12-M	452	LYS
3	12-M	453	GLN
3	12-M	455	ARG

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Mol	Chain	Res	Type
3	12-M	456	GLN
3	12-M	457	TYR
3	12-M	462	LEU
3	12-M	471	ASP
3	12-M	480	ILE
3	12-M	487	LEU
3	12-M	495	MET
3	12-M	498	LEU
3	12-M	499	GLU
3	12-M	504	LYS
3	12-M	506	GLU
3	12-M	513	ILE
3	12-M	524	GLU
3	12-M	530	MET
3	12-M	532	ILE
3	12-M	534	SER
3	12-M	537	GLU
3	12-M	549	SER
3	12-M	561	LYS
3	12-M	562	SER
3	12-M	580	SER
3	12-M	593	SER
3	12-M	596	LEU
3	12-M	597	GLU
3	12-M	598	LYS
3	12-M	604	ASN
3	12-M	608	ILE
3	12-M	610	LEU
3	12-M	613	LYS
3	12-M	615	SER
3	12-M	621	LEU
3	12-M	625	THR
3	12-M	664	LEU
3	12-M	666	SER
3	12-M	673	ARG
3	12-M	675	ILE
3	12-M	676	ILE
3	12-M	681	LYS
3	12-M	686	MET
3	12-M	689	GLU
3	12-M	690	LEU
3	12-M	693	HIS

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Mol	Chain	Res	Type
3	12-M	698	ASN
3	12-M	700	VAL
3	12-M	701	LEU
3	12-M	702	GLU
3	12-M	704	ILE
3	12-M	705	ARG
3	12-M	707	CYS
3	12-M	708	ARG
3	12-M	713	SER
3	12-M	714	ARG
3	12-M	716	LEU
3	12-M	722	GLN
3	12-M	723	ARG
3	12-M	727	LEU
3	12-M	728	ASN
3	12-M	734	GLU
3	12-M	737	PHE
3	12-M	744	SER
3	12-M	745	GLU
3	12-M	748	LEU
3	12-M	752	ASP
3	12-M	753	VAL
3	12-M	754	ASP
3	12-M	762	HIS
3	12-M	772	LEU
3	12-M	774	LEU
3	12-M	785	GLU
3	12-M	787	ILE
3	12-M	793	ARG
3	12-M	798	LEU
3	12-M	799	MET
3	12-M	802	GLU
3	12-M	810	ARG
3	12-M	816	ILE
3	12-M	819	ASN
3	12-M	822	SER
3	12-M	832	MET
3	12-M	833	LYS
3	12-M	834	LEU
3	12-M	838	ILE
3	12-M	842	LEU
3	12-M	843	LYS

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Mol	Chain	Res	Type
1	13-B	16	PHE
1	13-B	35	ASP
1	13-B	75	ILE
1	13-B	94	GLU
1	13-B	107	ASP
1	13-B	114	LYS
1	13-B	117	LEU
1	13-B	129	THR
1	13-B	141	PRO
1	13-B	144	VAL
1	13-B	147	ASN
1	13-B	162	ASP
2	13-C	5	ASP
2	13-C	6	GLU
2	13-C	7	ILE
2	13-C	28	SER
2	13-C	49	ILE
2	13-C	55	LYS
2	13-C	63	ILE
2	13-C	65	PHE
2	13-C	84	PHE
2	13-C	96	LYS
2	13-C	102	VAL
2	13-C	131	GLU
2	13-C	137	ILE
3	13-M	7	MET
3	13-M	12	GLU
3	13-M	17	LEU
3	13-M	20	SER
3	13-M	22	LYS
3	13-M	23	GLU
3	13-M	25	ILE
3	13-M	30	LYS
3	13-M	35	LYS
3	13-M	36	SER
3	13-M	37	SER
3	13-M	38	VAL
3	13-M	40	VAL
3	13-M	41	VAL
3	13-M	46	SER
3	13-M	49	LYS
3	13-M	52	ILE

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Mol	Chain	Res	Type
3	13-M	55	LYS
3	13-M	61	THR
3	13-M	65	GLU
3	13-M	69	THR
3	13-M	70	LEU
3	13-M	72	VAL
3	13-M	73	LYS
3	13-M	75	ASP
3	13-M	76	GLN
3	13-M	88	ILE
3	13-M	97	LEU
3	13-M	106	LEU
3	13-M	109	ARG
3	13-M	114	MET
3	13-M	117	THR
3	13-M	121	LEU
3	13-M	125	THR
3	13-M	126	VAL
3	13-M	127	ASN
3	13-M	130	LYS
3	13-M	136	ASN
3	13-M	146	LYS
3	13-M	149	GLN
3	13-M	155	ILE
3	13-M	157	SER
3	13-M	158	ILE
3	13-M	159	SER
3	13-M	166	MET
3	13-M	167	LEU
3	13-M	169	ASP
3	13-M	170	ARG
3	13-M	173	GLN
3	13-M	175	ILE
3	13-M	178	THR
3	13-M	180	GLU
3	13-M	185	LYS
3	13-M	186	THR
3	13-M	187	VAL
3	13-M	189	THR
3	13-M	191	ARG
3	13-M	193	ILE
3	13-M	194	GLN

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Mol	Chain	Res	Type
3	13-M	198	THR
3	13-M	199	ILE
3	13-M	202	SER
3	13-M	218	LEU
3	13-M	221	GLN
3	13-M	223	ILE
3	13-M	229	LEU
3	13-M	244	SER
3	13-M	245	ARG
3	13-M	248	LYS
3	13-M	251	ARG
3	13-M	273	SER
3	13-M	274	ARG
3	13-M	278	GLN
3	13-M	282	GLU
3	13-M	287	ILE
3	13-M	290	GLN
3	13-M	291	ILE
3	13-M	294	ASN
3	13-M	298	GLU
3	13-M	300	ILE
3	13-M	302	MET
3	13-M	303	LEU
3	13-M	305	ILE
3	13-M	315	VAL
3	13-M	325	ILE
3	13-M	331	LEU
3	13-M	332	MET
3	13-M	336	SER
3	13-M	351	ILE
3	13-M	354	LEU
3	13-M	359	MET
3	13-M	364	LEU
3	13-M	365	LYS
3	13-M	372	GLU
3	13-M	376	GLU
3	13-M	381	GLU
3	13-M	389	LEU
3	13-M	392	LEU
3	13-M	394	SER
3	13-M	399	LYS
3	13-M	401	LEU

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Mol	Chain	Res	Type
3	13-M	405	ARG
3	13-M	410	ASN
3	13-M	411	GLU
3	13-M	436	LYS
3	13-M	439	LEU
3	13-M	448	GLN
3	13-M	449	LEU
3	13-M	452	LYS
3	13-M	453	GLN
3	13-M	455	ARG
3	13-M	456	GLN
3	13-M	457	TYR
3	13-M	462	LEU
3	13-M	471	ASP
3	13-M	480	ILE
3	13-M	487	LEU
3	13-M	495	MET
3	13-M	498	LEU
3	13-M	499	GLU
3	13-M	504	LYS
3	13-M	506	GLU
3	13-M	513	ILE
3	13-M	524	GLU
3	13-M	530	MET
3	13-M	532	ILE
3	13-M	534	SER
3	13-M	537	GLU
3	13-M	549	SER
3	13-M	561	LYS
3	13-M	562	SER
3	13-M	580	SER
3	13-M	593	SER
3	13-M	596	LEU
3	13-M	597	GLU
3	13-M	598	LYS
3	13-M	604	ASN
3	13-M	608	ILE
3	13-M	610	LEU
3	13-M	613	LYS
3	13-M	615	SER
3	13-M	621	LEU
3	13-M	625	THR

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Mol	Chain	Res	Type
3	13-M	664	LEU
3	13-M	666	SER
3	13-M	673	ARG
3	13-M	675	ILE
3	13-M	676	ILE
3	13-M	681	LYS
3	13-M	686	MET
3	13-M	689	GLU
3	13-M	690	LEU
3	13-M	693	HIS
3	13-M	698	ASN
3	13-M	700	VAL
3	13-M	701	LEU
3	13-M	702	GLU
3	13-M	704	ILE
3	13-M	705	ARG
3	13-M	707	CYS
3	13-M	708	ARG
3	13-M	713	SER
3	13-M	714	ARG
3	13-M	716	LEU
3	13-M	722	GLN
3	13-M	723	ARG
3	13-M	727	LEU
3	13-M	728	ASN
3	13-M	734	GLU
3	13-M	737	PHE
3	13-M	744	SER
3	13-M	745	GLU
3	13-M	748	LEU
3	13-M	752	ASP
3	13-M	753	VAL
3	13-M	754	ASP
3	13-M	762	HIS
3	13-M	772	LEU
3	13-M	774	LEU
3	13-M	785	GLU
3	13-M	787	ILE
3	13-M	793	ARG
3	13-M	798	LEU
3	13-M	799	MET
3	13-M	802	GLU

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Mol	Chain	Res	Type
3	13-M	810	ARG
3	13-M	816	ILE
3	13-M	819	ASN
3	13-M	822	SER
3	13-M	832	MET
3	13-M	833	LYS
3	13-M	834	LEU
3	13-M	838	ILE
3	13-M	842	LEU
3	13-M	843	LYS
1	14-B	16	PHE
1	14-B	35	ASP
1	14-B	75	ILE
1	14-B	94	GLU
1	14-B	107	ASP
1	14-B	114	LYS
1	14-B	117	LEU
1	14-B	129	THR
1	14-B	141	PRO
1	14-B	144	VAL
1	14-B	147	ASN
1	14-B	162	ASP
2	14-C	5	ASP
2	14-C	6	GLU
2	14-C	7	ILE
2	14-C	28	SER
2	14-C	49	ILE
2	14-C	55	LYS
2	14-C	63	ILE
2	14-C	65	PHE
2	14-C	84	PHE
2	14-C	96	LYS
2	14-C	102	VAL
2	14-C	131	GLU
2	14-C	137	ILE
3	14-M	7	MET
3	14-M	12	GLU
3	14-M	17	LEU
3	14-M	20	SER
3	14-M	22	LYS
3	14-M	23	GLU
3	14-M	25	ILE

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Mol	Chain	Res	Type
3	14-M	30	LYS
3	14-M	35	LYS
3	14-M	36	SER
3	14-M	37	SER
3	14-M	38	VAL
3	14-M	40	VAL
3	14-M	41	VAL
3	14-M	46	SER
3	14-M	49	LYS
3	14-M	52	ILE
3	14-M	55	LYS
3	14-M	61	THR
3	14-M	65	GLU
3	14-M	69	THR
3	14-M	70	LEU
3	14-M	72	VAL
3	14-M	73	LYS
3	14-M	75	ASP
3	14-M	76	GLN
3	14-M	88	ILE
3	14-M	97	LEU
3	14-M	106	LEU
3	14-M	109	ARG
3	14-M	114	MET
3	14-M	117	THR
3	14-M	121	LEU
3	14-M	125	THR
3	14-M	126	VAL
3	14-M	127	ASN
3	14-M	130	LYS
3	14-M	136	ASN
3	14-M	146	LYS
3	14-M	149	GLN
3	14-M	155	ILE
3	14-M	157	SER
3	14-M	158	ILE
3	14-M	159	SER
3	14-M	166	MET
3	14-M	167	LEU
3	14-M	169	ASP
3	14-M	170	ARG
3	14-M	173	GLN

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Mol	Chain	Res	Type
3	14-M	175	ILE
3	14-M	178	THR
3	14-M	180	GLU
3	14-M	185	LYS
3	14-M	186	THR
3	14-M	187	VAL
3	14-M	189	THR
3	14-M	191	ARG
3	14-M	193	ILE
3	14-M	194	GLN
3	14-M	198	THR
3	14-M	199	ILE
3	14-M	202	SER
3	14-M	218	LEU
3	14-M	221	GLN
3	14-M	223	ILE
3	14-M	229	LEU
3	14-M	244	SER
3	14-M	245	ARG
3	14-M	248	LYS
3	14-M	251	ARG
3	14-M	273	SER
3	14-M	274	ARG
3	14-M	278	GLN
3	14-M	282	GLU
3	14-M	287	ILE
3	14-M	290	GLN
3	14-M	291	ILE
3	14-M	294	ASN
3	14-M	298	GLU
3	14-M	300	ILE
3	14-M	302	MET
3	14-M	303	LEU
3	14-M	305	ILE
3	14-M	315	VAL
3	14-M	325	ILE
3	14-M	331	LEU
3	14-M	332	MET
3	14-M	336	SER
3	14-M	351	ILE
3	14-M	354	LEU
3	14-M	359	MET

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Mol	Chain	Res	Type
3	14-M	364	LEU
3	14-M	365	LYS
3	14-M	372	GLU
3	14-M	376	GLU
3	14-M	381	GLU
3	14-M	389	LEU
3	14-M	392	LEU
3	14-M	394	SER
3	14-M	399	LYS
3	14-M	401	LEU
3	14-M	405	ARG
3	14-M	410	ASN
3	14-M	411	GLU
3	14-M	436	LYS
3	14-M	439	LEU
3	14-M	448	GLN
3	14-M	449	LEU
3	14-M	452	LYS
3	14-M	453	GLN
3	14-M	455	ARG
3	14-M	456	GLN
3	14-M	457	TYR
3	14-M	462	LEU
3	14-M	471	ASP
3	14-M	480	ILE
3	14-M	487	LEU
3	14-M	495	MET
3	14-M	498	LEU
3	14-M	499	GLU
3	14-M	504	LYS
3	14-M	506	GLU
3	14-M	513	ILE
3	14-M	524	GLU
3	14-M	530	MET
3	14-M	532	ILE
3	14-M	534	SER
3	14-M	537	GLU
3	14-M	549	SER
3	14-M	561	LYS
3	14-M	562	SER
3	14-M	580	SER
3	14-M	593	SER

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Mol	Chain	Res	Type
3	14-M	596	LEU
3	14-M	597	GLU
3	14-M	598	LYS
3	14-M	604	ASN
3	14-M	608	ILE
3	14-M	610	LEU
3	14-M	613	LYS
3	14-M	615	SER
3	14-M	621	LEU
3	14-M	625	THR
3	14-M	664	LEU
3	14-M	666	SER
3	14-M	673	ARG
3	14-M	675	ILE
3	14-M	676	ILE
3	14-M	681	LYS
3	14-M	686	MET
3	14-M	689	GLU
3	14-M	690	LEU
3	14-M	693	HIS
3	14-M	698	ASN
3	14-M	700	VAL
3	14-M	701	LEU
3	14-M	702	GLU
3	14-M	704	ILE
3	14-M	705	ARG
3	14-M	707	CYS
3	14-M	708	ARG
3	14-M	713	SER
3	14-M	714	ARG
3	14-M	716	LEU
3	14-M	722	GLN
3	14-M	723	ARG
3	14-M	727	LEU
3	14-M	728	ASN
3	14-M	734	GLU
3	14-M	737	PHE
3	14-M	744	SER
3	14-M	745	GLU
3	14-M	748	LEU
3	14-M	752	ASP
3	14-M	753	VAL

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Mol	Chain	Res	Type
3	14-M	754	ASP
3	14-M	762	HIS
3	14-M	772	LEU
3	14-M	774	LEU
3	14-M	785	GLU
3	14-M	787	ILE
3	14-M	793	ARG
3	14-M	798	LEU
3	14-M	799	MET
3	14-M	802	GLU
3	14-M	810	ARG
3	14-M	816	ILE
3	14-M	819	ASN
3	14-M	822	SER
3	14-M	832	MET
3	14-M	833	LYS
3	14-M	834	LEU
3	14-M	838	ILE
3	14-M	842	LEU
3	14-M	843	LYS
1	15-B	16	PHE
1	15-B	35	ASP
1	15-B	75	ILE
1	15-B	94	GLU
1	15-B	107	ASP
1	15-B	114	LYS
1	15-B	117	LEU
1	15-B	129	THR
1	15-B	141	PRO
1	15-B	144	VAL
1	15-B	147	ASN
1	15-B	162	ASP
2	15-C	5	ASP
2	15-C	6	GLU
2	15-C	7	ILE
2	15-C	28	SER
2	15-C	49	ILE
2	15-C	55	LYS
2	15-C	63	ILE
2	15-C	65	PHE
2	15-C	84	PHE
2	15-C	96	LYS

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Mol	Chain	Res	Type
2	15-C	102	VAL
2	15-C	131	GLU
2	15-C	137	ILE
3	15-M	7	MET
3	15-M	12	GLU
3	15-M	17	LEU
3	15-M	20	SER
3	15-M	22	LYS
3	15-M	23	GLU
3	15-M	25	ILE
3	15-M	30	LYS
3	15-M	35	LYS
3	15-M	36	SER
3	15-M	37	SER
3	15-M	38	VAL
3	15-M	40	VAL
3	15-M	41	VAL
3	15-M	46	SER
3	15-M	49	LYS
3	15-M	52	ILE
3	15-M	55	LYS
3	15-M	61	THR
3	15-M	65	GLU
3	15-M	69	THR
3	15-M	70	LEU
3	15-M	72	VAL
3	15-M	73	LYS
3	15-M	75	ASP
3	15-M	76	GLN
3	15-M	88	ILE
3	15-M	97	LEU
3	15-M	106	LEU
3	15-M	109	ARG
3	15-M	114	MET
3	15-M	117	THR
3	15-M	121	LEU
3	15-M	125	THR
3	15-M	126	VAL
3	15-M	127	ASN
3	15-M	130	LYS
3	15-M	136	ASN
3	15-M	146	LYS

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Mol	Chain	Res	Type
3	15-M	149	GLN
3	15-M	155	ILE
3	15-M	157	SER
3	15-M	158	ILE
3	15-M	159	SER
3	15-M	166	MET
3	15-M	167	LEU
3	15-M	169	ASP
3	15-M	170	ARG
3	15-M	173	GLN
3	15-M	175	ILE
3	15-M	178	THR
3	15-M	180	GLU
3	15-M	185	LYS
3	15-M	186	THR
3	15-M	187	VAL
3	15-M	189	THR
3	15-M	191	ARG
3	15-M	193	ILE
3	15-M	194	GLN
3	15-M	198	THR
3	15-M	199	ILE
3	15-M	202	SER
3	15-M	218	LEU
3	15-M	221	GLN
3	15-M	223	ILE
3	15-M	229	LEU
3	15-M	244	SER
3	15-M	245	ARG
3	15-M	248	LYS
3	15-M	251	ARG
3	15-M	273	SER
3	15-M	274	ARG
3	15-M	278	GLN
3	15-M	282	GLU
3	15-M	287	ILE
3	15-M	290	GLN
3	15-M	291	ILE
3	15-M	294	ASN
3	15-M	298	GLU
3	15-M	300	ILE
3	15-M	302	MET

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Mol	Chain	Res	Type
3	15-M	303	LEU
3	15-M	305	ILE
3	15-M	315	VAL
3	15-M	325	ILE
3	15-M	331	LEU
3	15-M	332	MET
3	15-M	336	SER
3	15-M	351	ILE
3	15-M	354	LEU
3	15-M	359	MET
3	15-M	364	LEU
3	15-M	365	LYS
3	15-M	372	GLU
3	15-M	376	GLU
3	15-M	381	GLU
3	15-M	389	LEU
3	15-M	392	LEU
3	15-M	394	SER
3	15-M	399	LYS
3	15-M	401	LEU
3	15-M	405	ARG
3	15-M	410	ASN
3	15-M	411	GLU
3	15-M	436	LYS
3	15-M	439	LEU
3	15-M	448	GLN
3	15-M	449	LEU
3	15-M	452	LYS
3	15-M	453	GLN
3	15-M	455	ARG
3	15-M	456	GLN
3	15-M	457	TYR
3	15-M	462	LEU
3	15-M	471	ASP
3	15-M	480	ILE
3	15-M	487	LEU
3	15-M	495	MET
3	15-M	498	LEU
3	15-M	499	GLU
3	15-M	504	LYS
3	15-M	506	GLU
3	15-M	513	ILE

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Mol	Chain	Res	Type
3	15-M	524	GLU
3	15-M	530	MET
3	15-M	532	ILE
3	15-M	534	SER
3	15-M	537	GLU
3	15-M	549	SER
3	15-M	561	LYS
3	15-M	562	SER
3	15-M	580	SER
3	15-M	593	SER
3	15-M	596	LEU
3	15-M	597	GLU
3	15-M	598	LYS
3	15-M	604	ASN
3	15-M	608	ILE
3	15-M	610	LEU
3	15-M	613	LYS
3	15-M	615	SER
3	15-M	621	LEU
3	15-M	625	THR
3	15-M	664	LEU
3	15-M	666	SER
3	15-M	673	ARG
3	15-M	675	ILE
3	15-M	676	ILE
3	15-M	681	LYS
3	15-M	686	MET
3	15-M	689	GLU
3	15-M	690	LEU
3	15-M	693	HIS
3	15-M	698	ASN
3	15-M	700	VAL
3	15-M	701	LEU
3	15-M	702	GLU
3	15-M	704	ILE
3	15-M	705	ARG
3	15-M	707	CYS
3	15-M	708	ARG
3	15-M	713	SER
3	15-M	714	ARG
3	15-M	716	LEU
3	15-M	722	GLN

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Mol	Chain	Res	Type
3	15-M	723	ARG
3	15-M	727	LEU
3	15-M	728	ASN
3	15-M	734	GLU
3	15-M	737	PHE
3	15-M	744	SER
3	15-M	745	GLU
3	15-M	748	LEU
3	15-M	752	ASP
3	15-M	753	VAL
3	15-M	754	ASP
3	15-M	762	HIS
3	15-M	772	LEU
3	15-M	774	LEU
3	15-M	785	GLU
3	15-M	787	ILE
3	15-M	793	ARG
3	15-M	798	LEU
3	15-M	799	MET
3	15-M	802	GLU
3	15-M	810	ARG
3	15-M	816	ILE
3	15-M	819	ASN
3	15-M	822	SER
3	15-M	832	MET
3	15-M	833	LYS
3	15-M	834	LEU
3	15-M	838	ILE
3	15-M	842	LEU
3	15-M	843	LYS
1	16-B	16	PHE
1	16-B	35	ASP
1	16-B	75	ILE
1	16-B	94	GLU
1	16-B	107	ASP
1	16-B	114	LYS
1	16-B	117	LEU
1	16-B	129	THR
1	16-B	141	PRO
1	16-B	144	VAL
1	16-B	147	ASN
1	16-B	162	ASP

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Mol	Chain	Res	Type
2	16-C	5	ASP
2	16-C	6	GLU
2	16-C	7	ILE
2	16-C	28	SER
2	16-C	49	ILE
2	16-C	55	LYS
2	16-C	63	ILE
2	16-C	65	PHE
2	16-C	84	PHE
2	16-C	96	LYS
2	16-C	102	VAL
2	16-C	131	GLU
2	16-C	137	ILE
3	16-M	7	MET
3	16-M	12	GLU
3	16-M	17	LEU
3	16-M	20	SER
3	16-M	22	LYS
3	16-M	23	GLU
3	16-M	25	ILE
3	16-M	30	LYS
3	16-M	35	LYS
3	16-M	36	SER
3	16-M	37	SER
3	16-M	38	VAL
3	16-M	40	VAL
3	16-M	41	VAL
3	16-M	46	SER
3	16-M	49	LYS
3	16-M	52	ILE
3	16-M	55	LYS
3	16-M	61	THR
3	16-M	65	GLU
3	16-M	69	THR
3	16-M	70	LEU
3	16-M	72	VAL
3	16-M	73	LYS
3	16-M	75	ASP
3	16-M	76	GLN
3	16-M	88	ILE
3	16-M	97	LEU
3	16-M	106	LEU

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Mol	Chain	Res	Type
3	16-M	109	ARG
3	16-M	114	MET
3	16-M	117	THR
3	16-M	121	LEU
3	16-M	125	THR
3	16-M	126	VAL
3	16-M	127	ASN
3	16-M	130	LYS
3	16-M	136	ASN
3	16-M	146	LYS
3	16-M	149	GLN
3	16-M	155	ILE
3	16-M	157	SER
3	16-M	158	ILE
3	16-M	159	SER
3	16-M	166	MET
3	16-M	167	LEU
3	16-M	169	ASP
3	16-M	170	ARG
3	16-M	173	GLN
3	16-M	175	ILE
3	16-M	178	THR
3	16-M	180	GLU
3	16-M	185	LYS
3	16-M	186	THR
3	16-M	187	VAL
3	16-M	189	THR
3	16-M	191	ARG
3	16-M	193	ILE
3	16-M	194	GLN
3	16-M	198	THR
3	16-M	199	ILE
3	16-M	202	SER
3	16-M	218	LEU
3	16-M	221	GLN
3	16-M	223	ILE
3	16-M	229	LEU
3	16-M	244	SER
3	16-M	245	ARG
3	16-M	248	LYS
3	16-M	251	ARG
3	16-M	273	SER

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Mol	Chain	Res	Type
3	16-M	274	ARG
3	16-M	278	GLN
3	16-M	282	GLU
3	16-M	287	ILE
3	16-M	290	GLN
3	16-M	291	ILE
3	16-M	294	ASN
3	16-M	298	GLU
3	16-M	300	ILE
3	16-M	302	MET
3	16-M	303	LEU
3	16-M	305	ILE
3	16-M	315	VAL
3	16-M	325	ILE
3	16-M	331	LEU
3	16-M	332	MET
3	16-M	336	SER
3	16-M	351	ILE
3	16-M	354	LEU
3	16-M	359	MET
3	16-M	364	LEU
3	16-M	365	LYS
3	16-M	372	GLU
3	16-M	376	GLU
3	16-M	381	GLU
3	16-M	389	LEU
3	16-M	392	LEU
3	16-M	394	SER
3	16-M	399	LYS
3	16-M	401	LEU
3	16-M	405	ARG
3	16-M	410	ASN
3	16-M	411	GLU
3	16-M	436	LYS
3	16-M	439	LEU
3	16-M	448	GLN
3	16-M	449	LEU
3	16-M	452	LYS
3	16-M	453	GLN
3	16-M	455	ARG
3	16-M	456	GLN
3	16-M	457	TYR

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Mol	Chain	Res	Type
3	16-M	462	LEU
3	16-M	471	ASP
3	16-M	480	ILE
3	16-M	487	LEU
3	16-M	495	MET
3	16-M	498	LEU
3	16-M	499	GLU
3	16-M	504	LYS
3	16-M	506	GLU
3	16-M	513	ILE
3	16-M	524	GLU
3	16-M	530	MET
3	16-M	532	ILE
3	16-M	534	SER
3	16-M	537	GLU
3	16-M	549	SER
3	16-M	561	LYS
3	16-M	562	SER
3	16-M	580	SER
3	16-M	593	SER
3	16-M	596	LEU
3	16-M	597	GLU
3	16-M	598	LYS
3	16-M	604	ASN
3	16-M	608	ILE
3	16-M	610	LEU
3	16-M	613	LYS
3	16-M	615	SER
3	16-M	621	LEU
3	16-M	625	THR
3	16-M	664	LEU
3	16-M	666	SER
3	16-M	673	ARG
3	16-M	675	ILE
3	16-M	676	ILE
3	16-M	681	LYS
3	16-M	686	MET
3	16-M	689	GLU
3	16-M	690	LEU
3	16-M	693	HIS
3	16-M	698	ASN
3	16-M	700	VAL

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Mol	Chain	Res	Type
3	16-M	701	LEU
3	16-M	702	GLU
3	16-M	704	ILE
3	16-M	705	ARG
3	16-M	707	CYS
3	16-M	708	ARG
3	16-M	713	SER
3	16-M	714	ARG
3	16-M	716	LEU
3	16-M	722	GLN
3	16-M	723	ARG
3	16-M	727	LEU
3	16-M	728	ASN
3	16-M	734	GLU
3	16-M	737	PHE
3	16-M	744	SER
3	16-M	745	GLU
3	16-M	748	LEU
3	16-M	752	ASP
3	16-M	753	VAL
3	16-M	754	ASP
3	16-M	762	HIS
3	16-M	772	LEU
3	16-M	774	LEU
3	16-M	785	GLU
3	16-M	787	ILE
3	16-M	793	ARG
3	16-M	798	LEU
3	16-M	799	MET
3	16-M	802	GLU
3	16-M	810	ARG
3	16-M	816	ILE
3	16-M	819	ASN
3	16-M	822	SER
3	16-M	832	MET
3	16-M	833	LYS
3	16-M	834	LEU
3	16-M	838	ILE
3	16-M	842	LEU
3	16-M	843	LYS
1	17-B	16	PHE
1	17-B	35	ASP

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Mol	Chain	Res	Type
1	17-B	75	ILE
1	17-B	94	GLU
1	17-B	107	ASP
1	17-B	114	LYS
1	17-B	117	LEU
1	17-B	129	THR
1	17-B	141	PRO
1	17-B	144	VAL
1	17-B	147	ASN
1	17-B	162	ASP
2	17-C	5	ASP
2	17-C	6	GLU
2	17-C	7	ILE
2	17-C	28	SER
2	17-C	49	ILE
2	17-C	55	LYS
2	17-C	63	ILE
2	17-C	65	PHE
2	17-C	84	PHE
2	17-C	96	LYS
2	17-C	102	VAL
2	17-C	131	GLU
2	17-C	137	ILE
3	17-M	7	MET
3	17-M	12	GLU
3	17-M	17	LEU
3	17-M	20	SER
3	17-M	22	LYS
3	17-M	23	GLU
3	17-M	25	ILE
3	17-M	30	LYS
3	17-M	35	LYS
3	17-M	36	SER
3	17-M	37	SER
3	17-M	38	VAL
3	17-M	40	VAL
3	17-M	41	VAL
3	17-M	46	SER
3	17-M	49	LYS
3	17-M	52	ILE
3	17-M	55	LYS
3	17-M	61	THR

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Mol	Chain	Res	Type
3	17-M	65	GLU
3	17-M	69	THR
3	17-M	70	LEU
3	17-M	72	VAL
3	17-M	73	LYS
3	17-M	75	ASP
3	17-M	76	GLN
3	17-M	88	ILE
3	17-M	97	LEU
3	17-M	106	LEU
3	17-M	109	ARG
3	17-M	114	MET
3	17-M	117	THR
3	17-M	121	LEU
3	17-M	125	THR
3	17-M	126	VAL
3	17-M	127	ASN
3	17-M	130	LYS
3	17-M	136	ASN
3	17-M	146	LYS
3	17-M	149	GLN
3	17-M	155	ILE
3	17-M	157	SER
3	17-M	158	ILE
3	17-M	159	SER
3	17-M	166	MET
3	17-M	167	LEU
3	17-M	169	ASP
3	17-M	170	ARG
3	17-M	173	GLN
3	17-M	175	ILE
3	17-M	178	THR
3	17-M	180	GLU
3	17-M	185	LYS
3	17-M	186	THR
3	17-M	187	VAL
3	17-M	189	THR
3	17-M	191	ARG
3	17-M	193	ILE
3	17-M	194	GLN
3	17-M	198	THR
3	17-M	199	ILE

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Mol	Chain	Res	Type
3	17-M	202	SER
3	17-M	218	LEU
3	17-M	221	GLN
3	17-M	223	ILE
3	17-M	229	LEU
3	17-M	244	SER
3	17-M	245	ARG
3	17-M	248	LYS
3	17-M	251	ARG
3	17-M	273	SER
3	17-M	274	ARG
3	17-M	278	GLN
3	17-M	282	GLU
3	17-M	287	ILE
3	17-M	290	GLN
3	17-M	291	ILE
3	17-M	294	ASN
3	17-M	298	GLU
3	17-M	300	ILE
3	17-M	302	MET
3	17-M	303	LEU
3	17-M	305	ILE
3	17-M	315	VAL
3	17-M	325	ILE
3	17-M	331	LEU
3	17-M	332	MET
3	17-M	336	SER
3	17-M	351	ILE
3	17-M	354	LEU
3	17-M	359	MET
3	17-M	364	LEU
3	17-M	365	LYS
3	17-M	372	GLU
3	17-M	376	GLU
3	17-M	381	GLU
3	17-M	389	LEU
3	17-M	392	LEU
3	17-M	394	SER
3	17-M	399	LYS
3	17-M	401	LEU
3	17-M	405	ARG
3	17-M	410	ASN

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Mol	Chain	Res	Type
3	17-M	411	GLU
3	17-M	436	LYS
3	17-M	439	LEU
3	17-M	448	GLN
3	17-M	449	LEU
3	17-M	452	LYS
3	17-M	453	GLN
3	17-M	455	ARG
3	17-M	456	GLN
3	17-M	457	TYR
3	17-M	462	LEU
3	17-M	471	ASP
3	17-M	480	ILE
3	17-M	487	LEU
3	17-M	495	MET
3	17-M	498	LEU
3	17-M	499	GLU
3	17-M	504	LYS
3	17-M	506	GLU
3	17-M	513	ILE
3	17-M	524	GLU
3	17-M	530	MET
3	17-M	532	ILE
3	17-M	534	SER
3	17-M	537	GLU
3	17-M	549	SER
3	17-M	561	LYS
3	17-M	562	SER
3	17-M	580	SER
3	17-M	593	SER
3	17-M	596	LEU
3	17-M	597	GLU
3	17-M	598	LYS
3	17-M	604	ASN
3	17-M	608	ILE
3	17-M	610	LEU
3	17-M	613	LYS
3	17-M	615	SER
3	17-M	621	LEU
3	17-M	625	THR
3	17-M	664	LEU
3	17-M	666	SER

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Mol	Chain	Res	Type
3	17-M	673	ARG
3	17-M	675	ILE
3	17-M	676	ILE
3	17-M	681	LYS
3	17-M	686	MET
3	17-M	689	GLU
3	17-M	690	LEU
3	17-M	693	HIS
3	17-M	698	ASN
3	17-M	700	VAL
3	17-M	701	LEU
3	17-M	702	GLU
3	17-M	704	ILE
3	17-M	705	ARG
3	17-M	707	CYS
3	17-M	708	ARG
3	17-M	713	SER
3	17-M	714	ARG
3	17-M	716	LEU
3	17-M	722	GLN
3	17-M	723	ARG
3	17-M	727	LEU
3	17-M	728	ASN
3	17-M	734	GLU
3	17-M	737	PHE
3	17-M	744	SER
3	17-M	745	GLU
3	17-M	748	LEU
3	17-M	752	ASP
3	17-M	753	VAL
3	17-M	754	ASP
3	17-M	762	HIS
3	17-M	772	LEU
3	17-M	774	LEU
3	17-M	785	GLU
3	17-M	787	ILE
3	17-M	793	ARG
3	17-M	798	LEU
3	17-M	799	MET
3	17-M	802	GLU
3	17-M	810	ARG
3	17-M	816	ILE

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Mol	Chain	Res	Type
3	17-M	819	ASN
3	17-M	822	SER
3	17-M	832	MET
3	17-M	833	LYS
3	17-M	834	LEU
3	17-M	838	ILE
3	17-M	842	LEU
3	17-M	843	LYS
1	18-B	16	PHE
1	18-B	35	ASP
1	18-B	75	ILE
1	18-B	94	GLU
1	18-B	107	ASP
1	18-B	114	LYS
1	18-B	117	LEU
1	18-B	129	THR
1	18-B	141	PRO
1	18-B	144	VAL
1	18-B	147	ASN
1	18-B	162	ASP
2	18-C	5	ASP
2	18-C	6	GLU
2	18-C	7	ILE
2	18-C	28	SER
2	18-C	49	ILE
2	18-C	55	LYS
2	18-C	63	ILE
2	18-C	65	PHE
2	18-C	84	PHE
2	18-C	96	LYS
2	18-C	102	VAL
2	18-C	131	GLU
2	18-C	137	ILE
3	18-M	7	MET
3	18-M	12	GLU
3	18-M	17	LEU
3	18-M	20	SER
3	18-M	22	LYS
3	18-M	23	GLU
3	18-M	25	ILE
3	18-M	30	LYS
3	18-M	35	LYS

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Mol	Chain	Res	Type
3	18-M	36	SER
3	18-M	37	SER
3	18-M	38	VAL
3	18-M	40	VAL
3	18-M	41	VAL
3	18-M	46	SER
3	18-M	49	LYS
3	18-M	52	ILE
3	18-M	55	LYS
3	18-M	61	THR
3	18-M	65	GLU
3	18-M	69	THR
3	18-M	70	LEU
3	18-M	72	VAL
3	18-M	73	LYS
3	18-M	75	ASP
3	18-M	76	GLN
3	18-M	88	ILE
3	18-M	97	LEU
3	18-M	106	LEU
3	18-M	109	ARG
3	18-M	114	MET
3	18-M	117	THR
3	18-M	121	LEU
3	18-M	125	THR
3	18-M	126	VAL
3	18-M	127	ASN
3	18-M	130	LYS
3	18-M	136	ASN
3	18-M	146	LYS
3	18-M	149	GLN
3	18-M	155	ILE
3	18-M	157	SER
3	18-M	158	ILE
3	18-M	159	SER
3	18-M	166	MET
3	18-M	167	LEU
3	18-M	169	ASP
3	18-M	170	ARG
3	18-M	173	GLN
3	18-M	175	ILE
3	18-M	178	THR

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Mol	Chain	Res	Type
3	18-M	180	GLU
3	18-M	185	LYS
3	18-M	186	THR
3	18-M	187	VAL
3	18-M	189	THR
3	18-M	191	ARG
3	18-M	193	ILE
3	18-M	194	GLN
3	18-M	198	THR
3	18-M	199	ILE
3	18-M	202	SER
3	18-M	218	LEU
3	18-M	221	GLN
3	18-M	223	ILE
3	18-M	229	LEU
3	18-M	244	SER
3	18-M	245	ARG
3	18-M	248	LYS
3	18-M	251	ARG
3	18-M	273	SER
3	18-M	274	ARG
3	18-M	278	GLN
3	18-M	282	GLU
3	18-M	287	ILE
3	18-M	290	GLN
3	18-M	291	ILE
3	18-M	294	ASN
3	18-M	298	GLU
3	18-M	300	ILE
3	18-M	302	MET
3	18-M	303	LEU
3	18-M	305	ILE
3	18-M	315	VAL
3	18-M	325	ILE
3	18-M	331	LEU
3	18-M	332	MET
3	18-M	336	SER
3	18-M	351	ILE
3	18-M	354	LEU
3	18-M	359	MET
3	18-M	364	LEU
3	18-M	365	LYS

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Mol	Chain	Res	Type
3	18-M	372	GLU
3	18-M	376	GLU
3	18-M	381	GLU
3	18-M	389	LEU
3	18-M	392	LEU
3	18-M	394	SER
3	18-M	399	LYS
3	18-M	401	LEU
3	18-M	405	ARG
3	18-M	410	ASN
3	18-M	411	GLU
3	18-M	436	LYS
3	18-M	439	LEU
3	18-M	448	GLN
3	18-M	449	LEU
3	18-M	452	LYS
3	18-M	453	GLN
3	18-M	455	ARG
3	18-M	456	GLN
3	18-M	457	TYR
3	18-M	462	LEU
3	18-M	471	ASP
3	18-M	480	ILE
3	18-M	487	LEU
3	18-M	495	MET
3	18-M	498	LEU
3	18-M	499	GLU
3	18-M	504	LYS
3	18-M	506	GLU
3	18-M	513	ILE
3	18-M	524	GLU
3	18-M	530	MET
3	18-M	532	ILE
3	18-M	534	SER
3	18-M	537	GLU
3	18-M	549	SER
3	18-M	561	LYS
3	18-M	562	SER
3	18-M	580	SER
3	18-M	593	SER
3	18-M	596	LEU
3	18-M	597	GLU

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Mol	Chain	Res	Type
3	18-M	598	LYS
3	18-M	604	ASN
3	18-M	608	ILE
3	18-M	610	LEU
3	18-M	613	LYS
3	18-M	615	SER
3	18-M	621	LEU
3	18-M	625	THR
3	18-M	664	LEU
3	18-M	666	SER
3	18-M	673	ARG
3	18-M	675	ILE
3	18-M	676	ILE
3	18-M	681	LYS
3	18-M	686	MET
3	18-M	689	GLU
3	18-M	690	LEU
3	18-M	693	HIS
3	18-M	698	ASN
3	18-M	700	VAL
3	18-M	701	LEU
3	18-M	702	GLU
3	18-M	704	ILE
3	18-M	705	ARG
3	18-M	707	CYS
3	18-M	708	ARG
3	18-M	713	SER
3	18-M	714	ARG
3	18-M	716	LEU
3	18-M	722	GLN
3	18-M	723	ARG
3	18-M	727	LEU
3	18-M	728	ASN
3	18-M	734	GLU
3	18-M	737	PHE
3	18-M	744	SER
3	18-M	745	GLU
3	18-M	748	LEU
3	18-M	752	ASP
3	18-M	753	VAL
3	18-M	754	ASP
3	18-M	762	HIS

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Mol	Chain	Res	Type
3	18-M	772	LEU
3	18-M	774	LEU
3	18-M	785	GLU
3	18-M	787	ILE
3	18-M	793	ARG
3	18-M	798	LEU
3	18-M	799	MET
3	18-M	802	GLU
3	18-M	810	ARG
3	18-M	816	ILE
3	18-M	819	ASN
3	18-M	822	SER
3	18-M	832	MET
3	18-M	833	LYS
3	18-M	834	LEU
3	18-M	838	ILE
3	18-M	842	LEU
3	18-M	843	LYS
1	19-B	16	PHE
1	19-B	35	ASP
1	19-B	75	ILE
1	19-B	94	GLU
1	19-B	107	ASP
1	19-B	114	LYS
1	19-B	117	LEU
1	19-B	129	THR
1	19-B	141	PRO
1	19-B	144	VAL
1	19-B	147	ASN
1	19-B	162	ASP
2	19-C	5	ASP
2	19-C	6	GLU
2	19-C	7	ILE
2	19-C	28	SER
2	19-C	49	ILE
2	19-C	55	LYS
2	19-C	63	ILE
2	19-C	65	PHE
2	19-C	84	PHE
2	19-C	96	LYS
2	19-C	102	VAL
2	19-C	131	GLU

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Mol	Chain	Res	Type
2	19-C	137	ILE
3	19-M	7	MET
3	19-M	12	GLU
3	19-M	17	LEU
3	19-M	20	SER
3	19-M	22	LYS
3	19-M	23	GLU
3	19-M	25	ILE
3	19-M	30	LYS
3	19-M	35	LYS
3	19-M	36	SER
3	19-M	37	SER
3	19-M	38	VAL
3	19-M	40	VAL
3	19-M	41	VAL
3	19-M	46	SER
3	19-M	49	LYS
3	19-M	52	ILE
3	19-M	55	LYS
3	19-M	61	THR
3	19-M	65	GLU
3	19-M	69	THR
3	19-M	70	LEU
3	19-M	72	VAL
3	19-M	73	LYS
3	19-M	75	ASP
3	19-M	76	GLN
3	19-M	88	ILE
3	19-M	97	LEU
3	19-M	106	LEU
3	19-M	109	ARG
3	19-M	114	MET
3	19-M	117	THR
3	19-M	121	LEU
3	19-M	125	THR
3	19-M	126	VAL
3	19-M	127	ASN
3	19-M	130	LYS
3	19-M	136	ASN
3	19-M	146	LYS
3	19-M	149	GLN
3	19-M	155	ILE

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Mol	Chain	Res	Type
3	19-M	157	SER
3	19-M	158	ILE
3	19-M	159	SER
3	19-M	166	MET
3	19-M	167	LEU
3	19-M	169	ASP
3	19-M	170	ARG
3	19-M	173	GLN
3	19-M	175	ILE
3	19-M	178	THR
3	19-M	180	GLU
3	19-M	185	LYS
3	19-M	186	THR
3	19-M	187	VAL
3	19-M	189	THR
3	19-M	191	ARG
3	19-M	193	ILE
3	19-M	194	GLN
3	19-M	198	THR
3	19-M	199	ILE
3	19-M	202	SER
3	19-M	218	LEU
3	19-M	221	GLN
3	19-M	223	ILE
3	19-M	229	LEU
3	19-M	244	SER
3	19-M	245	ARG
3	19-M	248	LYS
3	19-M	251	ARG
3	19-M	273	SER
3	19-M	274	ARG
3	19-M	278	GLN
3	19-M	282	GLU
3	19-M	287	ILE
3	19-M	290	GLN
3	19-M	291	ILE
3	19-M	294	ASN
3	19-M	298	GLU
3	19-M	300	ILE
3	19-M	302	MET
3	19-M	303	LEU
3	19-M	305	ILE

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Mol	Chain	Res	Type
3	19-M	315	VAL
3	19-M	325	ILE
3	19-M	331	LEU
3	19-M	332	MET
3	19-M	336	SER
3	19-M	351	ILE
3	19-M	354	LEU
3	19-M	359	MET
3	19-M	364	LEU
3	19-M	365	LYS
3	19-M	372	GLU
3	19-M	376	GLU
3	19-M	381	GLU
3	19-M	389	LEU
3	19-M	392	LEU
3	19-M	394	SER
3	19-M	399	LYS
3	19-M	401	LEU
3	19-M	405	ARG
3	19-M	410	ASN
3	19-M	411	GLU
3	19-M	436	LYS
3	19-M	439	LEU
3	19-M	448	GLN
3	19-M	449	LEU
3	19-M	452	LYS
3	19-M	453	GLN
3	19-M	455	ARG
3	19-M	456	GLN
3	19-M	457	TYR
3	19-M	462	LEU
3	19-M	471	ASP
3	19-M	480	ILE
3	19-M	487	LEU
3	19-M	495	MET
3	19-M	498	LEU
3	19-M	499	GLU
3	19-M	504	LYS
3	19-M	506	GLU
3	19-M	513	ILE
3	19-M	524	GLU
3	19-M	530	MET

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Mol	Chain	Res	Type
3	19-M	532	ILE
3	19-M	534	SER
3	19-M	537	GLU
3	19-M	549	SER
3	19-M	561	LYS
3	19-M	562	SER
3	19-M	580	SER
3	19-M	593	SER
3	19-M	596	LEU
3	19-M	597	GLU
3	19-M	598	LYS
3	19-M	604	ASN
3	19-M	608	ILE
3	19-M	610	LEU
3	19-M	613	LYS
3	19-M	615	SER
3	19-M	621	LEU
3	19-M	625	THR
3	19-M	664	LEU
3	19-M	666	SER
3	19-M	673	ARG
3	19-M	675	ILE
3	19-M	676	ILE
3	19-M	681	LYS
3	19-M	686	MET
3	19-M	689	GLU
3	19-M	690	LEU
3	19-M	693	HIS
3	19-M	698	ASN
3	19-M	700	VAL
3	19-M	701	LEU
3	19-M	702	GLU
3	19-M	704	ILE
3	19-M	705	ARG
3	19-M	707	CYS
3	19-M	708	ARG
3	19-M	713	SER
3	19-M	714	ARG
3	19-M	716	LEU
3	19-M	722	GLN
3	19-M	723	ARG
3	19-M	727	LEU

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Mol	Chain	Res	Type
3	19-M	728	ASN
3	19-M	734	GLU
3	19-M	737	PHE
3	19-M	744	SER
3	19-M	745	GLU
3	19-M	748	LEU
3	19-M	752	ASP
3	19-M	753	VAL
3	19-M	754	ASP
3	19-M	762	HIS
3	19-M	772	LEU
3	19-M	774	LEU
3	19-M	785	GLU
3	19-M	787	ILE
3	19-M	793	ARG
3	19-M	798	LEU
3	19-M	799	MET
3	19-M	802	GLU
3	19-M	810	ARG
3	19-M	816	ILE
3	19-M	819	ASN
3	19-M	822	SER
3	19-M	832	MET
3	19-M	833	LYS
3	19-M	834	LEU
3	19-M	838	ILE
3	19-M	842	LEU
3	19-M	843	LYS
1	20-B	16	PHE
1	20-B	35	ASP
1	20-B	75	ILE
1	20-B	94	GLU
1	20-B	107	ASP
1	20-B	114	LYS
1	20-B	117	LEU
1	20-B	129	THR
1	20-B	141	PRO
1	20-B	144	VAL
1	20-B	147	ASN
1	20-B	162	ASP
2	20-C	5	ASP
2	20-C	6	GLU

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Mol	Chain	Res	Type
2	20-C	7	ILE
2	20-C	28	SER
2	20-C	49	ILE
2	20-C	55	LYS
2	20-C	63	ILE
2	20-C	65	PHE
2	20-C	84	PHE
2	20-C	96	LYS
2	20-C	102	VAL
2	20-C	131	GLU
2	20-C	137	ILE
3	20-M	7	MET
3	20-M	12	GLU
3	20-M	17	LEU
3	20-M	20	SER
3	20-M	22	LYS
3	20-M	23	GLU
3	20-M	25	ILE
3	20-M	30	LYS
3	20-M	35	LYS
3	20-M	36	SER
3	20-M	37	SER
3	20-M	38	VAL
3	20-M	40	VAL
3	20-M	41	VAL
3	20-M	46	SER
3	20-M	49	LYS
3	20-M	52	ILE
3	20-M	55	LYS
3	20-M	61	THR
3	20-M	65	GLU
3	20-M	69	THR
3	20-M	70	LEU
3	20-M	72	VAL
3	20-M	73	LYS
3	20-M	75	ASP
3	20-M	76	GLN
3	20-M	88	ILE
3	20-M	97	LEU
3	20-M	106	LEU
3	20-M	109	ARG
3	20-M	114	MET

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Mol	Chain	Res	Type
3	20-M	117	THR
3	20-M	121	LEU
3	20-M	125	THR
3	20-M	126	VAL
3	20-M	127	ASN
3	20-M	130	LYS
3	20-M	136	ASN
3	20-M	146	LYS
3	20-M	149	GLN
3	20-M	155	ILE
3	20-M	157	SER
3	20-M	158	ILE
3	20-M	159	SER
3	20-M	166	MET
3	20-M	167	LEU
3	20-M	169	ASP
3	20-M	170	ARG
3	20-M	173	GLN
3	20-M	175	ILE
3	20-M	178	THR
3	20-M	180	GLU
3	20-M	185	LYS
3	20-M	186	THR
3	20-M	187	VAL
3	20-M	189	THR
3	20-M	191	ARG
3	20-M	193	ILE
3	20-M	194	GLN
3	20-M	198	THR
3	20-M	199	ILE
3	20-M	202	SER
3	20-M	218	LEU
3	20-M	221	GLN
3	20-M	223	ILE
3	20-M	229	LEU
3	20-M	244	SER
3	20-M	245	ARG
3	20-M	248	LYS
3	20-M	251	ARG
3	20-M	273	SER
3	20-M	274	ARG
3	20-M	278	GLN

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Mol	Chain	Res	Type
3	20-M	282	GLU
3	20-M	287	ILE
3	20-M	290	GLN
3	20-M	291	ILE
3	20-M	294	ASN
3	20-M	298	GLU
3	20-M	300	ILE
3	20-M	302	MET
3	20-M	303	LEU
3	20-M	305	ILE
3	20-M	315	VAL
3	20-M	325	ILE
3	20-M	331	LEU
3	20-M	332	MET
3	20-M	336	SER
3	20-M	351	ILE
3	20-M	354	LEU
3	20-M	359	MET
3	20-M	364	LEU
3	20-M	365	LYS
3	20-M	372	GLU
3	20-M	376	GLU
3	20-M	381	GLU
3	20-M	389	LEU
3	20-M	392	LEU
3	20-M	394	SER
3	20-M	399	LYS
3	20-M	401	LEU
3	20-M	405	ARG
3	20-M	410	ASN
3	20-M	411	GLU
3	20-M	436	LYS
3	20-M	439	LEU
3	20-M	448	GLN
3	20-M	449	LEU
3	20-M	452	LYS
3	20-M	453	GLN
3	20-M	455	ARG
3	20-M	456	GLN
3	20-M	457	TYR
3	20-M	462	LEU
3	20-M	471	ASP

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Mol	Chain	Res	Type
3	20-M	480	ILE
3	20-M	487	LEU
3	20-M	495	MET
3	20-M	498	LEU
3	20-M	499	GLU
3	20-M	504	LYS
3	20-M	506	GLU
3	20-M	513	ILE
3	20-M	524	GLU
3	20-M	530	MET
3	20-M	532	ILE
3	20-M	534	SER
3	20-M	537	GLU
3	20-M	549	SER
3	20-M	561	LYS
3	20-M	562	SER
3	20-M	580	SER
3	20-M	593	SER
3	20-M	596	LEU
3	20-M	597	GLU
3	20-M	598	LYS
3	20-M	604	ASN
3	20-M	608	ILE
3	20-M	610	LEU
3	20-M	613	LYS
3	20-M	615	SER
3	20-M	621	LEU
3	20-M	625	THR
3	20-M	664	LEU
3	20-M	666	SER
3	20-M	673	ARG
3	20-M	675	ILE
3	20-M	676	ILE
3	20-M	681	LYS
3	20-M	686	MET
3	20-M	689	GLU
3	20-M	690	LEU
3	20-M	693	HIS
3	20-M	698	ASN
3	20-M	700	VAL
3	20-M	701	LEU
3	20-M	702	GLU

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Mol	Chain	Res	Type
3	20-M	704	ILE
3	20-M	705	ARG
3	20-M	707	CYS
3	20-M	708	ARG
3	20-M	713	SER
3	20-M	714	ARG
3	20-M	716	LEU
3	20-M	722	GLN
3	20-M	723	ARG
3	20-M	727	LEU
3	20-M	728	ASN
3	20-M	734	GLU
3	20-M	737	PHE
3	20-M	744	SER
3	20-M	745	GLU
3	20-M	748	LEU
3	20-M	752	ASP
3	20-M	753	VAL
3	20-M	754	ASP
3	20-M	762	HIS
3	20-M	772	LEU
3	20-M	774	LEU
3	20-M	785	GLU
3	20-M	787	ILE
3	20-M	793	ARG
3	20-M	798	LEU
3	20-M	799	MET
3	20-M	802	GLU
3	20-M	810	ARG
3	20-M	816	ILE
3	20-M	819	ASN
3	20-M	822	SER
3	20-M	832	MET
3	20-M	833	LYS
3	20-M	834	LEU
3	20-M	838	ILE
3	20-M	842	LEU
3	20-M	843	LYS
1	21-B	16	PHE
1	21-B	35	ASP
1	21-B	75	ILE
1	21-B	94	GLU

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Mol	Chain	Res	Type
1	21-B	107	ASP
1	21-B	114	LYS
1	21-B	117	LEU
1	21-B	129	THR
1	21-B	141	PRO
1	21-B	144	VAL
1	21-B	147	ASN
1	21-B	162	ASP
2	21-C	5	ASP
2	21-C	6	GLU
2	21-C	7	ILE
2	21-C	28	SER
2	21-C	49	ILE
2	21-C	55	LYS
2	21-C	63	ILE
2	21-C	65	PHE
2	21-C	84	PHE
2	21-C	96	LYS
2	21-C	102	VAL
2	21-C	131	GLU
2	21-C	137	ILE
3	21-M	7	MET
3	21-M	12	GLU
3	21-M	17	LEU
3	21-M	20	SER
3	21-M	22	LYS
3	21-M	23	GLU
3	21-M	25	ILE
3	21-M	30	LYS
3	21-M	35	LYS
3	21-M	36	SER
3	21-M	37	SER
3	21-M	38	VAL
3	21-M	40	VAL
3	21-M	41	VAL
3	21-M	46	SER
3	21-M	49	LYS
3	21-M	52	ILE
3	21-M	55	LYS
3	21-M	61	THR
3	21-M	65	GLU
3	21-M	69	THR

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Mol	Chain	Res	Type
3	21-M	70	LEU
3	21-M	72	VAL
3	21-M	73	LYS
3	21-M	75	ASP
3	21-M	76	GLN
3	21-M	88	ILE
3	21-M	97	LEU
3	21-M	106	LEU
3	21-M	109	ARG
3	21-M	114	MET
3	21-M	117	THR
3	21-M	121	LEU
3	21-M	125	THR
3	21-M	126	VAL
3	21-M	127	ASN
3	21-M	130	LYS
3	21-M	136	ASN
3	21-M	146	LYS
3	21-M	149	GLN
3	21-M	155	ILE
3	21-M	157	SER
3	21-M	158	ILE
3	21-M	159	SER
3	21-M	166	MET
3	21-M	167	LEU
3	21-M	169	ASP
3	21-M	170	ARG
3	21-M	173	GLN
3	21-M	175	ILE
3	21-M	178	THR
3	21-M	180	GLU
3	21-M	185	LYS
3	21-M	186	THR
3	21-M	187	VAL
3	21-M	189	THR
3	21-M	191	ARG
3	21-M	193	ILE
3	21-M	194	GLN
3	21-M	198	THR
3	21-M	199	ILE
3	21-M	202	SER
3	21-M	218	LEU

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Mol	Chain	Res	Type
3	21-M	221	GLN
3	21-M	223	ILE
3	21-M	229	LEU
3	21-M	244	SER
3	21-M	245	ARG
3	21-M	248	LYS
3	21-M	251	ARG
3	21-M	273	SER
3	21-M	274	ARG
3	21-M	278	GLN
3	21-M	282	GLU
3	21-M	287	ILE
3	21-M	290	GLN
3	21-M	291	ILE
3	21-M	294	ASN
3	21-M	298	GLU
3	21-M	300	ILE
3	21-M	302	MET
3	21-M	303	LEU
3	21-M	305	ILE
3	21-M	315	VAL
3	21-M	325	ILE
3	21-M	331	LEU
3	21-M	332	MET
3	21-M	336	SER
3	21-M	351	ILE
3	21-M	354	LEU
3	21-M	359	MET
3	21-M	364	LEU
3	21-M	365	LYS
3	21-M	372	GLU
3	21-M	376	GLU
3	21-M	381	GLU
3	21-M	389	LEU
3	21-M	392	LEU
3	21-M	394	SER
3	21-M	399	LYS
3	21-M	401	LEU
3	21-M	405	ARG
3	21-M	410	ASN
3	21-M	411	GLU
3	21-M	436	LYS

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Mol	Chain	Res	Type
3	21-M	439	LEU
3	21-M	448	GLN
3	21-M	449	LEU
3	21-M	452	LYS
3	21-M	453	GLN
3	21-M	455	ARG
3	21-M	456	GLN
3	21-M	457	TYR
3	21-M	462	LEU
3	21-M	471	ASP
3	21-M	480	ILE
3	21-M	487	LEU
3	21-M	495	MET
3	21-M	498	LEU
3	21-M	499	GLU
3	21-M	504	LYS
3	21-M	506	GLU
3	21-M	513	ILE
3	21-M	524	GLU
3	21-M	530	MET
3	21-M	532	ILE
3	21-M	534	SER
3	21-M	537	GLU
3	21-M	549	SER
3	21-M	561	LYS
3	21-M	562	SER
3	21-M	580	SER
3	21-M	593	SER
3	21-M	596	LEU
3	21-M	597	GLU
3	21-M	598	LYS
3	21-M	604	ASN
3	21-M	608	ILE
3	21-M	610	LEU
3	21-M	613	LYS
3	21-M	615	SER
3	21-M	621	LEU
3	21-M	625	THR
3	21-M	664	LEU
3	21-M	666	SER
3	21-M	673	ARG
3	21-M	675	ILE

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Mol	Chain	Res	Type
3	21-M	676	ILE
3	21-M	681	LYS
3	21-M	686	MET
3	21-M	689	GLU
3	21-M	690	LEU
3	21-M	693	HIS
3	21-M	698	ASN
3	21-M	700	VAL
3	21-M	701	LEU
3	21-M	702	GLU
3	21-M	704	ILE
3	21-M	705	ARG
3	21-M	707	CYS
3	21-M	708	ARG
3	21-M	713	SER
3	21-M	714	ARG
3	21-M	716	LEU
3	21-M	722	GLN
3	21-M	723	ARG
3	21-M	727	LEU
3	21-M	728	ASN
3	21-M	734	GLU
3	21-M	737	PHE
3	21-M	744	SER
3	21-M	745	GLU
3	21-M	748	LEU
3	21-M	752	ASP
3	21-M	753	VAL
3	21-M	754	ASP
3	21-M	762	HIS
3	21-M	772	LEU
3	21-M	774	LEU
3	21-M	785	GLU
3	21-M	787	ILE
3	21-M	793	ARG
3	21-M	798	LEU
3	21-M	799	MET
3	21-M	802	GLU
3	21-M	810	ARG
3	21-M	816	ILE
3	21-M	819	ASN
3	21-M	822	SER

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Mol	Chain	Res	Type
3	21-M	832	MET
3	21-M	833	LYS
3	21-M	834	LEU
3	21-M	838	ILE
3	21-M	842	LEU
3	21-M	843	LYS
1	22-B	16	PHE
1	22-B	35	ASP
1	22-B	75	ILE
1	22-B	94	GLU
1	22-B	107	ASP
1	22-B	114	LYS
1	22-B	117	LEU
1	22-B	129	THR
1	22-B	141	PRO
1	22-B	144	VAL
1	22-B	147	ASN
1	22-B	162	ASP
2	22-C	5	ASP
2	22-C	6	GLU
2	22-C	7	ILE
2	22-C	28	SER
2	22-C	49	ILE
2	22-C	55	LYS
2	22-C	63	ILE
2	22-C	65	PHE
2	22-C	84	PHE
2	22-C	96	LYS
2	22-C	102	VAL
2	22-C	131	GLU
2	22-C	137	ILE
3	22-M	7	MET
3	22-M	12	GLU
3	22-M	17	LEU
3	22-M	20	SER
3	22-M	22	LYS
3	22-M	23	GLU
3	22-M	25	ILE
3	22-M	30	LYS
3	22-M	35	LYS
3	22-M	36	SER
3	22-M	37	SER

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Mol	Chain	Res	Type
3	22-M	38	VAL
3	22-M	40	VAL
3	22-M	41	VAL
3	22-M	46	SER
3	22-M	49	LYS
3	22-M	52	ILE
3	22-M	55	LYS
3	22-M	61	THR
3	22-M	65	GLU
3	22-M	69	THR
3	22-M	70	LEU
3	22-M	72	VAL
3	22-M	73	LYS
3	22-M	75	ASP
3	22-M	76	GLN
3	22-M	88	ILE
3	22-M	97	LEU
3	22-M	106	LEU
3	22-M	109	ARG
3	22-M	114	MET
3	22-M	117	THR
3	22-M	121	LEU
3	22-M	125	THR
3	22-M	126	VAL
3	22-M	127	ASN
3	22-M	130	LYS
3	22-M	136	ASN
3	22-M	146	LYS
3	22-M	149	GLN
3	22-M	155	ILE
3	22-M	157	SER
3	22-M	158	ILE
3	22-M	159	SER
3	22-M	166	MET
3	22-M	167	LEU
3	22-M	169	ASP
3	22-M	170	ARG
3	22-M	173	GLN
3	22-M	175	ILE
3	22-M	178	THR
3	22-M	180	GLU
3	22-M	185	LYS

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Mol	Chain	Res	Type
3	22-M	186	THR
3	22-M	187	VAL
3	22-M	189	THR
3	22-M	191	ARG
3	22-M	193	ILE
3	22-M	194	GLN
3	22-M	198	THR
3	22-M	199	ILE
3	22-M	202	SER
3	22-M	218	LEU
3	22-M	221	GLN
3	22-M	223	ILE
3	22-M	229	LEU
3	22-M	244	SER
3	22-M	245	ARG
3	22-M	248	LYS
3	22-M	251	ARG
3	22-M	273	SER
3	22-M	274	ARG
3	22-M	278	GLN
3	22-M	282	GLU
3	22-M	287	ILE
3	22-M	290	GLN
3	22-M	291	ILE
3	22-M	294	ASN
3	22-M	298	GLU
3	22-M	300	ILE
3	22-M	302	MET
3	22-M	303	LEU
3	22-M	305	ILE
3	22-M	315	VAL
3	22-M	325	ILE
3	22-M	331	LEU
3	22-M	332	MET
3	22-M	336	SER
3	22-M	351	ILE
3	22-M	354	LEU
3	22-M	359	MET
3	22-M	364	LEU
3	22-M	365	LYS
3	22-M	372	GLU
3	22-M	376	GLU

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Mol	Chain	Res	Type
3	22-M	381	GLU
3	22-M	389	LEU
3	22-M	392	LEU
3	22-M	394	SER
3	22-M	399	LYS
3	22-M	401	LEU
3	22-M	405	ARG
3	22-M	410	ASN
3	22-M	411	GLU
3	22-M	436	LYS
3	22-M	439	LEU
3	22-M	448	GLN
3	22-M	449	LEU
3	22-M	452	LYS
3	22-M	453	GLN
3	22-M	455	ARG
3	22-M	456	GLN
3	22-M	457	TYR
3	22-M	462	LEU
3	22-M	471	ASP
3	22-M	480	ILE
3	22-M	487	LEU
3	22-M	495	MET
3	22-M	498	LEU
3	22-M	499	GLU
3	22-M	504	LYS
3	22-M	506	GLU
3	22-M	513	ILE
3	22-M	524	GLU
3	22-M	530	MET
3	22-M	532	ILE
3	22-M	534	SER
3	22-M	537	GLU
3	22-M	549	SER
3	22-M	561	LYS
3	22-M	562	SER
3	22-M	580	SER
3	22-M	593	SER
3	22-M	596	LEU
3	22-M	597	GLU
3	22-M	598	LYS
3	22-M	604	ASN

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Mol	Chain	Res	Type
3	22-M	608	ILE
3	22-M	610	LEU
3	22-M	613	LYS
3	22-M	615	SER
3	22-M	621	LEU
3	22-M	625	THR
3	22-M	664	LEU
3	22-M	666	SER
3	22-M	673	ARG
3	22-M	675	ILE
3	22-M	676	ILE
3	22-M	681	LYS
3	22-M	686	MET
3	22-M	689	GLU
3	22-M	690	LEU
3	22-M	693	HIS
3	22-M	698	ASN
3	22-M	700	VAL
3	22-M	701	LEU
3	22-M	702	GLU
3	22-M	704	ILE
3	22-M	705	ARG
3	22-M	707	CYS
3	22-M	708	ARG
3	22-M	713	SER
3	22-M	714	ARG
3	22-M	716	LEU
3	22-M	722	GLN
3	22-M	723	ARG
3	22-M	727	LEU
3	22-M	728	ASN
3	22-M	734	GLU
3	22-M	737	PHE
3	22-M	744	SER
3	22-M	745	GLU
3	22-M	748	LEU
3	22-M	752	ASP
3	22-M	753	VAL
3	22-M	754	ASP
3	22-M	762	HIS
3	22-M	772	LEU
3	22-M	774	LEU

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Mol	Chain	Res	Type
3	22-M	785	GLU
3	22-M	787	ILE
3	22-M	793	ARG
3	22-M	798	LEU
3	22-M	799	MET
3	22-M	802	GLU
3	22-M	810	ARG
3	22-M	816	ILE
3	22-M	819	ASN
3	22-M	822	SER
3	22-M	832	MET
3	22-M	833	LYS
3	22-M	834	LEU
3	22-M	838	ILE
3	22-M	842	LEU
3	22-M	843	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (703) such sidechains are listed below:

Mol	Chain	Res	Type
1	1-B	23	GLN
1	1-B	36	GLN
2	1-C	40	ASN
3	1-M	29	ASN
3	1-M	76	GLN
3	1-M	127	ASN
3	1-M	149	GLN
3	1-M	164	GLN
3	1-M	188	ASN
3	1-M	194	GLN
3	1-M	226	ASN
3	1-M	253	HIS
3	1-M	290	GLN
3	1-M	317	GLN
3	1-M	360	HIS
3	1-M	368	GLN
3	1-M	417	GLN
3	1-M	424	ASN
3	1-M	447	GLN
3	1-M	453	GLN
3	1-M	481	ASN
3	1-M	484	ASN

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Mol	Chain	Res	Type
3	1-M	563	ASN
3	1-M	564	ASN
3	1-M	578	HIS
3	1-M	591	ASN
3	1-M	670	HIS
3	1-M	698	ASN
3	1-M	722	GLN
3	1-M	736	GLN
3	1-M	762	HIS
3	1-M	825	ASN
1	2-B	23	GLN
1	2-B	36	GLN
1	2-B	159	HIS
2	2-C	40	ASN
3	2-M	29	ASN
3	2-M	76	GLN
3	2-M	127	ASN
3	2-M	149	GLN
3	2-M	164	GLN
3	2-M	188	ASN
3	2-M	194	GLN
3	2-M	253	HIS
3	2-M	290	GLN
3	2-M	317	GLN
3	2-M	360	HIS
3	2-M	368	GLN
3	2-M	417	GLN
3	2-M	424	ASN
3	2-M	447	GLN
3	2-M	453	GLN
3	2-M	481	ASN
3	2-M	484	ASN
3	2-M	488	GLN
3	2-M	563	ASN
3	2-M	564	ASN
3	2-M	578	HIS
3	2-M	591	ASN
3	2-M	670	HIS
3	2-M	698	ASN
3	2-M	736	GLN
3	2-M	762	HIS
3	2-M	825	ASN

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Mol	Chain	Res	Type
1	3-B	23	GLN
1	3-B	36	GLN
2	3-C	40	ASN
3	3-M	29	ASN
3	3-M	76	GLN
3	3-M	127	ASN
3	3-M	149	GLN
3	3-M	164	GLN
3	3-M	188	ASN
3	3-M	194	GLN
3	3-M	253	HIS
3	3-M	290	GLN
3	3-M	317	GLN
3	3-M	360	HIS
3	3-M	368	GLN
3	3-M	417	GLN
3	3-M	424	ASN
3	3-M	447	GLN
3	3-M	453	GLN
3	3-M	481	ASN
3	3-M	484	ASN
3	3-M	488	GLN
3	3-M	563	ASN
3	3-M	564	ASN
3	3-M	578	HIS
3	3-M	591	ASN
3	3-M	670	HIS
3	3-M	698	ASN
3	3-M	736	GLN
3	3-M	762	HIS
3	3-M	825	ASN
1	4-B	23	GLN
1	4-B	36	GLN
2	4-C	40	ASN
3	4-M	29	ASN
3	4-M	76	GLN
3	4-M	127	ASN
3	4-M	149	GLN
3	4-M	164	GLN
3	4-M	188	ASN
3	4-M	194	GLN
3	4-M	226	ASN

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Mol	Chain	Res	Type
3	4-M	253	HIS
3	4-M	290	GLN
3	4-M	317	GLN
3	4-M	360	HIS
3	4-M	368	GLN
3	4-M	417	GLN
3	4-M	424	ASN
3	4-M	447	GLN
3	4-M	453	GLN
3	4-M	481	ASN
3	4-M	484	ASN
3	4-M	563	ASN
3	4-M	564	ASN
3	4-M	578	HIS
3	4-M	591	ASN
3	4-M	670	HIS
3	4-M	698	ASN
3	4-M	722	GLN
3	4-M	736	GLN
3	4-M	762	HIS
3	4-M	825	ASN
1	5-B	23	GLN
1	5-B	36	GLN
2	5-C	40	ASN
3	5-M	29	ASN
3	5-M	76	GLN
3	5-M	127	ASN
3	5-M	149	GLN
3	5-M	164	GLN
3	5-M	188	ASN
3	5-M	194	GLN
3	5-M	253	HIS
3	5-M	290	GLN
3	5-M	317	GLN
3	5-M	360	HIS
3	5-M	368	GLN
3	5-M	417	GLN
3	5-M	424	ASN
3	5-M	447	GLN
3	5-M	453	GLN
3	5-M	481	ASN
3	5-M	484	ASN

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Mol	Chain	Res	Type
3	5-M	488	GLN
3	5-M	563	ASN
3	5-M	564	ASN
3	5-M	578	HIS
3	5-M	591	ASN
3	5-M	670	HIS
3	5-M	698	ASN
3	5-M	736	GLN
3	5-M	762	HIS
3	5-M	825	ASN
1	6-B	23	GLN
1	6-B	36	GLN
2	6-C	40	ASN
3	6-M	29	ASN
3	6-M	76	GLN
3	6-M	127	ASN
3	6-M	149	GLN
3	6-M	164	GLN
3	6-M	188	ASN
3	6-M	194	GLN
3	6-M	226	ASN
3	6-M	253	HIS
3	6-M	290	GLN
3	6-M	317	GLN
3	6-M	360	HIS
3	6-M	368	GLN
3	6-M	417	GLN
3	6-M	424	ASN
3	6-M	447	GLN
3	6-M	453	GLN
3	6-M	481	ASN
3	6-M	484	ASN
3	6-M	563	ASN
3	6-M	564	ASN
3	6-M	578	HIS
3	6-M	591	ASN
3	6-M	670	HIS
3	6-M	698	ASN
3	6-M	722	GLN
3	6-M	736	GLN
3	6-M	762	HIS
3	6-M	825	ASN

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Mol	Chain	Res	Type
1	7-B	23	GLN
1	7-B	36	GLN
2	7-C	40	ASN
3	7-M	29	ASN
3	7-M	76	GLN
3	7-M	127	ASN
3	7-M	149	GLN
3	7-M	164	GLN
3	7-M	188	ASN
3	7-M	194	GLN
3	7-M	253	HIS
3	7-M	290	GLN
3	7-M	317	GLN
3	7-M	360	HIS
3	7-M	368	GLN
3	7-M	417	GLN
3	7-M	424	ASN
3	7-M	447	GLN
3	7-M	453	GLN
3	7-M	481	ASN
3	7-M	484	ASN
3	7-M	488	GLN
3	7-M	563	ASN
3	7-M	564	ASN
3	7-M	578	HIS
3	7-M	591	ASN
3	7-M	670	HIS
3	7-M	698	ASN
3	7-M	722	GLN
3	7-M	736	GLN
3	7-M	762	HIS
3	7-M	825	ASN
1	8-B	23	GLN
1	8-B	36	GLN
2	8-C	40	ASN
3	8-M	29	ASN
3	8-M	76	GLN
3	8-M	127	ASN
3	8-M	149	GLN
3	8-M	164	GLN
3	8-M	188	ASN
3	8-M	194	GLN

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Mol	Chain	Res	Type
3	8-M	253	HIS
3	8-M	290	GLN
3	8-M	317	GLN
3	8-M	360	HIS
3	8-M	368	GLN
3	8-M	417	GLN
3	8-M	424	ASN
3	8-M	447	GLN
3	8-M	453	GLN
3	8-M	481	ASN
3	8-M	484	ASN
3	8-M	488	GLN
3	8-M	563	ASN
3	8-M	564	ASN
3	8-M	578	HIS
3	8-M	591	ASN
3	8-M	670	HIS
3	8-M	698	ASN
3	8-M	736	GLN
3	8-M	762	HIS
3	8-M	825	ASN
1	9-B	23	GLN
1	9-B	36	GLN
2	9-C	40	ASN
3	9-M	29	ASN
3	9-M	76	GLN
3	9-M	127	ASN
3	9-M	149	GLN
3	9-M	164	GLN
3	9-M	188	ASN
3	9-M	194	GLN
3	9-M	253	HIS
3	9-M	290	GLN
3	9-M	317	GLN
3	9-M	360	HIS
3	9-M	368	GLN
3	9-M	417	GLN
3	9-M	424	ASN
3	9-M	447	GLN
3	9-M	453	GLN
3	9-M	481	ASN
3	9-M	484	ASN

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Mol	Chain	Res	Type
3	9-M	488	GLN
3	9-M	563	ASN
3	9-M	564	ASN
3	9-M	578	HIS
3	9-M	591	ASN
3	9-M	670	HIS
3	9-M	698	ASN
3	9-M	736	GLN
3	9-M	762	HIS
3	9-M	825	ASN
1	10-B	23	GLN
1	10-B	36	GLN
1	10-B	152	ASN
2	10-C	40	ASN
3	10-M	29	ASN
3	10-M	76	GLN
3	10-M	127	ASN
3	10-M	149	GLN
3	10-M	164	GLN
3	10-M	188	ASN
3	10-M	194	GLN
3	10-M	253	HIS
3	10-M	290	GLN
3	10-M	317	GLN
3	10-M	360	HIS
3	10-M	368	GLN
3	10-M	417	GLN
3	10-M	424	ASN
3	10-M	447	GLN
3	10-M	453	GLN
3	10-M	481	ASN
3	10-M	484	ASN
3	10-M	488	GLN
3	10-M	563	ASN
3	10-M	564	ASN
3	10-M	578	HIS
3	10-M	591	ASN
3	10-M	670	HIS
3	10-M	698	ASN
3	10-M	722	GLN
3	10-M	736	GLN
3	10-M	762	HIS

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Mol	Chain	Res	Type
3	10-M	825	ASN
1	11-B	23	GLN
1	11-B	36	GLN
2	11-C	40	ASN
3	11-M	29	ASN
3	11-M	76	GLN
3	11-M	127	ASN
3	11-M	149	GLN
3	11-M	154	HIS
3	11-M	164	GLN
3	11-M	188	ASN
3	11-M	194	GLN
3	11-M	253	HIS
3	11-M	290	GLN
3	11-M	317	GLN
3	11-M	360	HIS
3	11-M	368	GLN
3	11-M	417	GLN
3	11-M	424	ASN
3	11-M	447	GLN
3	11-M	453	GLN
3	11-M	481	ASN
3	11-M	484	ASN
3	11-M	488	GLN
3	11-M	563	ASN
3	11-M	564	ASN
3	11-M	578	HIS
3	11-M	591	ASN
3	11-M	670	HIS
3	11-M	698	ASN
3	11-M	722	GLN
3	11-M	736	GLN
3	11-M	762	HIS
3	11-M	825	ASN
1	12-B	23	GLN
1	12-B	36	GLN
2	12-C	40	ASN
2	12-C	99	ASN
3	12-M	29	ASN
3	12-M	76	GLN
3	12-M	127	ASN
3	12-M	149	GLN

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Mol	Chain	Res	Type
3	12-M	154	HIS
3	12-M	164	GLN
3	12-M	188	ASN
3	12-M	194	GLN
3	12-M	253	HIS
3	12-M	290	GLN
3	12-M	317	GLN
3	12-M	360	HIS
3	12-M	368	GLN
3	12-M	417	GLN
3	12-M	424	ASN
3	12-M	447	GLN
3	12-M	453	GLN
3	12-M	481	ASN
3	12-M	484	ASN
3	12-M	488	GLN
3	12-M	563	ASN
3	12-M	564	ASN
3	12-M	578	HIS
3	12-M	591	ASN
3	12-M	670	HIS
3	12-M	698	ASN
3	12-M	736	GLN
3	12-M	762	HIS
3	12-M	825	ASN
1	13-B	23	GLN
1	13-B	36	GLN
1	13-B	159	HIS
2	13-C	40	ASN
3	13-M	29	ASN
3	13-M	76	GLN
3	13-M	127	ASN
3	13-M	149	GLN
3	13-M	164	GLN
3	13-M	188	ASN
3	13-M	194	GLN
3	13-M	253	HIS
3	13-M	290	GLN
3	13-M	317	GLN
3	13-M	360	HIS
3	13-M	368	GLN
3	13-M	417	GLN

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Mol	Chain	Res	Type
3	13-M	424	ASN
3	13-M	453	GLN
3	13-M	481	ASN
3	13-M	484	ASN
3	13-M	488	GLN
3	13-M	563	ASN
3	13-M	564	ASN
3	13-M	578	HIS
3	13-M	591	ASN
3	13-M	670	HIS
3	13-M	698	ASN
3	13-M	722	GLN
3	13-M	736	GLN
3	13-M	762	HIS
3	13-M	825	ASN
1	14-B	23	GLN
1	14-B	36	GLN
1	14-B	124	GLN
2	14-C	40	ASN
3	14-M	29	ASN
3	14-M	76	GLN
3	14-M	127	ASN
3	14-M	149	GLN
3	14-M	164	GLN
3	14-M	188	ASN
3	14-M	194	GLN
3	14-M	253	HIS
3	14-M	290	GLN
3	14-M	317	GLN
3	14-M	360	HIS
3	14-M	368	GLN
3	14-M	417	GLN
3	14-M	424	ASN
3	14-M	453	GLN
3	14-M	481	ASN
3	14-M	484	ASN
3	14-M	488	GLN
3	14-M	563	ASN
3	14-M	564	ASN
3	14-M	578	HIS
3	14-M	591	ASN
3	14-M	670	HIS

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Mol	Chain	Res	Type
3	14-M	698	ASN
3	14-M	762	HIS
3	14-M	825	ASN
1	15-B	23	GLN
1	15-B	36	GLN
2	15-C	40	ASN
3	15-M	29	ASN
3	15-M	76	GLN
3	15-M	127	ASN
3	15-M	149	GLN
3	15-M	164	GLN
3	15-M	188	ASN
3	15-M	194	GLN
3	15-M	253	HIS
3	15-M	290	GLN
3	15-M	317	GLN
3	15-M	360	HIS
3	15-M	368	GLN
3	15-M	417	GLN
3	15-M	424	ASN
3	15-M	453	GLN
3	15-M	481	ASN
3	15-M	484	ASN
3	15-M	488	GLN
3	15-M	563	ASN
3	15-M	564	ASN
3	15-M	578	HIS
3	15-M	591	ASN
3	15-M	670	HIS
3	15-M	698	ASN
3	15-M	722	GLN
3	15-M	736	GLN
3	15-M	762	HIS
3	15-M	825	ASN
1	16-B	23	GLN
1	16-B	36	GLN
2	16-C	40	ASN
3	16-M	29	ASN
3	16-M	76	GLN
3	16-M	127	ASN
3	16-M	149	GLN
3	16-M	164	GLN

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Mol	Chain	Res	Type
3	16-M	188	ASN
3	16-M	194	GLN
3	16-M	253	HIS
3	16-M	290	GLN
3	16-M	317	GLN
3	16-M	360	HIS
3	16-M	368	GLN
3	16-M	417	GLN
3	16-M	424	ASN
3	16-M	453	GLN
3	16-M	481	ASN
3	16-M	484	ASN
3	16-M	488	GLN
3	16-M	563	ASN
3	16-M	564	ASN
3	16-M	578	HIS
3	16-M	591	ASN
3	16-M	670	HIS
3	16-M	698	ASN
3	16-M	736	GLN
3	16-M	762	HIS
3	16-M	825	ASN
1	17-B	23	GLN
1	17-B	36	GLN
2	17-C	40	ASN
3	17-M	29	ASN
3	17-M	76	GLN
3	17-M	127	ASN
3	17-M	149	GLN
3	17-M	154	HIS
3	17-M	164	GLN
3	17-M	188	ASN
3	17-M	194	GLN
3	17-M	253	HIS
3	17-M	290	GLN
3	17-M	317	GLN
3	17-M	360	HIS
3	17-M	368	GLN
3	17-M	417	GLN
3	17-M	424	ASN
3	17-M	447	GLN
3	17-M	453	GLN

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Mol	Chain	Res	Type
3	17-M	481	ASN
3	17-M	484	ASN
3	17-M	488	GLN
3	17-M	563	ASN
3	17-M	564	ASN
3	17-M	578	HIS
3	17-M	591	ASN
3	17-M	670	HIS
3	17-M	698	ASN
3	17-M	722	GLN
3	17-M	736	GLN
3	17-M	762	HIS
3	17-M	825	ASN
1	18-B	23	GLN
1	18-B	36	GLN
2	18-C	40	ASN
3	18-M	29	ASN
3	18-M	76	GLN
3	18-M	127	ASN
3	18-M	149	GLN
3	18-M	154	HIS
3	18-M	164	GLN
3	18-M	188	ASN
3	18-M	194	GLN
3	18-M	253	HIS
3	18-M	290	GLN
3	18-M	317	GLN
3	18-M	360	HIS
3	18-M	368	GLN
3	18-M	417	GLN
3	18-M	424	ASN
3	18-M	447	GLN
3	18-M	453	GLN
3	18-M	481	ASN
3	18-M	484	ASN
3	18-M	488	GLN
3	18-M	563	ASN
3	18-M	564	ASN
3	18-M	578	HIS
3	18-M	591	ASN
3	18-M	670	HIS
3	18-M	698	ASN

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Mol	Chain	Res	Type
3	18-M	722	GLN
3	18-M	736	GLN
3	18-M	762	HIS
3	18-M	825	ASN
1	19-B	23	GLN
1	19-B	36	GLN
1	19-B	124	GLN
2	19-C	40	ASN
3	19-M	29	ASN
3	19-M	76	GLN
3	19-M	127	ASN
3	19-M	149	GLN
3	19-M	164	GLN
3	19-M	188	ASN
3	19-M	194	GLN
3	19-M	253	HIS
3	19-M	290	GLN
3	19-M	317	GLN
3	19-M	360	HIS
3	19-M	368	GLN
3	19-M	417	GLN
3	19-M	424	ASN
3	19-M	453	GLN
3	19-M	481	ASN
3	19-M	484	ASN
3	19-M	488	GLN
3	19-M	563	ASN
3	19-M	564	ASN
3	19-M	578	HIS
3	19-M	591	ASN
3	19-M	670	HIS
3	19-M	698	ASN
3	19-M	736	GLN
3	19-M	762	HIS
3	19-M	817	GLN
3	19-M	825	ASN
1	20-B	23	GLN
1	20-B	36	GLN
2	20-C	40	ASN
3	20-M	29	ASN
3	20-M	76	GLN
3	20-M	127	ASN

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Mol	Chain	Res	Type
3	20-M	149	GLN
3	20-M	164	GLN
3	20-M	188	ASN
3	20-M	194	GLN
3	20-M	253	HIS
3	20-M	290	GLN
3	20-M	317	GLN
3	20-M	360	HIS
3	20-M	368	GLN
3	20-M	417	GLN
3	20-M	424	ASN
3	20-M	453	GLN
3	20-M	481	ASN
3	20-M	484	ASN
3	20-M	488	GLN
3	20-M	563	ASN
3	20-M	564	ASN
3	20-M	578	HIS
3	20-M	591	ASN
3	20-M	670	HIS
3	20-M	698	ASN
3	20-M	722	GLN
3	20-M	736	GLN
3	20-M	762	HIS
3	20-M	825	ASN
1	21-B	23	GLN
1	21-B	36	GLN
1	21-B	159	HIS
2	21-C	40	ASN
3	21-M	29	ASN
3	21-M	76	GLN
3	21-M	127	ASN
3	21-M	149	GLN
3	21-M	154	HIS
3	21-M	164	GLN
3	21-M	188	ASN
3	21-M	194	GLN
3	21-M	253	HIS
3	21-M	290	GLN
3	21-M	317	GLN
3	21-M	360	HIS
3	21-M	368	GLN

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Mol	Chain	Res	Type
3	21-M	417	GLN
3	21-M	424	ASN
3	21-M	447	GLN
3	21-M	453	GLN
3	21-M	481	ASN
3	21-M	484	ASN
3	21-M	488	GLN
3	21-M	563	ASN
3	21-M	564	ASN
3	21-M	578	HIS
3	21-M	591	ASN
3	21-M	670	HIS
3	21-M	698	ASN
3	21-M	722	GLN
3	21-M	736	GLN
3	21-M	762	HIS
3	21-M	825	ASN
1	22-B	23	GLN
1	22-B	36	GLN
1	22-B	159	HIS
2	22-C	40	ASN
3	22-M	29	ASN
3	22-M	76	GLN
3	22-M	127	ASN
3	22-M	149	GLN
3	22-M	154	HIS
3	22-M	164	GLN
3	22-M	188	ASN
3	22-M	194	GLN
3	22-M	253	HIS
3	22-M	290	GLN
3	22-M	317	GLN
3	22-M	360	HIS
3	22-M	368	GLN
3	22-M	417	GLN
3	22-M	424	ASN
3	22-M	447	GLN
3	22-M	453	GLN
3	22-M	481	ASN
3	22-M	484	ASN
3	22-M	488	GLN
3	22-M	563	ASN

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Mol	Chain	Res	Type
3	22-M	564	ASN
3	22-M	578	HIS
3	22-M	591	ASN
3	22-M	670	HIS
3	22-M	698	ASN
3	22-M	722	GLN
3	22-M	736	GLN
3	22-M	762	HIS
3	22-M	825	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

There are no ligands in this entry.

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

The following chains have linkage breaks:

Mol	Chain	Number of breaks
3	5-M	9
3	14-M	9
3	2-M	8

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Mol	Chain	Number of breaks
3	8-M	8
3	11-M	8
3	12-M	8
3	17-M	8
3	19-M	8
3	21-M	8
3	22-M	8
3	1-M	7
3	3-M	7
3	4-M	7
3	6-M	7
3	7-M	7
3	9-M	7
3	10-M	7
3	13-M	7
3	15-M	7
3	16-M	7
3	18-M	7
3	20-M	7

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	M	601:ASP	C	602:PRO	N	9.78
2	M	601:ASP	C	602:PRO	N	9.78
3	M	601:ASP	C	602:PRO	N	9.78
4	M	601:ASP	C	602:PRO	N	9.78
5	M	601:ASP	C	602:PRO	N	9.78
6	M	601:ASP	C	602:PRO	N	9.78
7	M	601:ASP	C	602:PRO	N	9.78
8	M	601:ASP	C	602:PRO	N	9.78
9	M	601:ASP	C	602:PRO	N	9.78
10	M	601:ASP	C	602:PRO	N	9.78
11	M	601:ASP	C	602:PRO	N	9.78
12	M	601:ASP	C	602:PRO	N	9.78
13	M	601:ASP	C	602:PRO	N	9.78
14	M	601:ASP	C	602:PRO	N	9.78
15	M	601:ASP	C	602:PRO	N	9.78
16	M	601:ASP	C	602:PRO	N	9.78
17	M	601:ASP	C	602:PRO	N	9.78
18	M	601:ASP	C	602:PRO	N	9.78
19	M	601:ASP	C	602:PRO	N	9.78
20	M	601:ASP	C	602:PRO	N	9.78

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
21	M	601:ASP	C	602:PRO	N	9.78
22	M	601:ASP	C	602:PRO	N	9.78
1	M	245:ARG	C	246:PHE	N	3.86
2	M	245:ARG	C	246:PHE	N	3.86
3	M	245:ARG	C	246:PHE	N	3.86
4	M	245:ARG	C	246:PHE	N	3.86
5	M	245:ARG	C	246:PHE	N	3.86
6	M	245:ARG	C	246:PHE	N	3.86
7	M	245:ARG	C	246:PHE	N	3.86
8	M	245:ARG	C	246:PHE	N	3.86
9	M	245:ARG	C	246:PHE	N	3.86
10	M	245:ARG	C	246:PHE	N	3.86
11	M	245:ARG	C	246:PHE	N	3.86
12	M	245:ARG	C	246:PHE	N	3.86
13	M	245:ARG	C	246:PHE	N	3.86
14	M	245:ARG	C	246:PHE	N	3.86
15	M	245:ARG	C	246:PHE	N	3.86
16	M	245:ARG	C	246:PHE	N	3.86
17	M	245:ARG	C	246:PHE	N	3.86
18	M	245:ARG	C	246:PHE	N	3.86
19	M	245:ARG	C	246:PHE	N	3.86
20	M	245:ARG	C	246:PHE	N	3.86
21	M	245:ARG	C	246:PHE	N	3.86
22	M	245:ARG	C	246:PHE	N	3.86
1	M	270:LEU	C	271:GLU	N	3.64
2	M	270:LEU	C	271:GLU	N	3.64
3	M	270:LEU	C	271:GLU	N	3.64
4	M	270:LEU	C	271:GLU	N	3.64
5	M	270:LEU	C	271:GLU	N	3.64
6	M	270:LEU	C	271:GLU	N	3.64
7	M	270:LEU	C	271:GLU	N	3.64
8	M	270:LEU	C	271:GLU	N	3.64
9	M	270:LEU	C	271:GLU	N	3.64
10	M	270:LEU	C	271:GLU	N	3.64
11	M	270:LEU	C	271:GLU	N	3.64
12	M	270:LEU	C	271:GLU	N	3.64
13	M	270:LEU	C	271:GLU	N	3.64
14	M	270:LEU	C	271:GLU	N	3.64
15	M	270:LEU	C	271:GLU	N	3.64
16	M	270:LEU	C	271:GLU	N	3.64
17	M	270:LEU	C	271:GLU	N	3.64
18	M	270:LEU	C	271:GLU	N	3.64

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
19	M	270:LEU	C	271:GLU	N	3.64
20	M	270:LEU	C	271:GLU	N	3.64
21	M	270:LEU	C	271:GLU	N	3.64
22	M	270:LEU	C	271:GLU	N	3.64
1	M	449:LEU	C	450:ASP	N	3.51
2	M	449:LEU	C	450:ASP	N	3.51
3	M	449:LEU	C	450:ASP	N	3.51
4	M	449:LEU	C	450:ASP	N	3.51
5	M	449:LEU	C	450:ASP	N	3.51
6	M	449:LEU	C	450:ASP	N	3.51
7	M	449:LEU	C	450:ASP	N	3.51
8	M	449:LEU	C	450:ASP	N	3.51
9	M	449:LEU	C	450:ASP	N	3.51
10	M	449:LEU	C	450:ASP	N	3.51
11	M	449:LEU	C	450:ASP	N	3.51
12	M	449:LEU	C	450:ASP	N	3.51
13	M	449:LEU	C	450:ASP	N	3.51
14	M	449:LEU	C	450:ASP	N	3.51
15	M	449:LEU	C	450:ASP	N	3.51
16	M	449:LEU	C	450:ASP	N	3.51
17	M	449:LEU	C	450:ASP	N	3.51
18	M	449:LEU	C	450:ASP	N	3.51
19	M	449:LEU	C	450:ASP	N	3.51
20	M	449:LEU	C	450:ASP	N	3.51
21	M	449:LEU	C	450:ASP	N	3.51
22	M	449:LEU	C	450:ASP	N	3.51
19	M	709:LYS	C	710:GLY	N	3.47
3	M	709:LYS	C	710:GLY	N	3.30
6	M	709:LYS	C	710:GLY	N	3.11
13	M	709:LYS	C	710:GLY	N	3.04
1	M	709:LYS	C	710:GLY	N	3.02
20	M	709:LYS	C	710:GLY	N	2.92
16	M	709:LYS	C	710:GLY	N	2.91
4	M	709:LYS	C	710:GLY	N	2.75
5	M	805:ARG	C	806:MET	N	2.63
2	M	709:LYS	C	710:GLY	N	2.47
15	M	709:LYS	C	710:GLY	N	2.44
14	M	709:LYS	C	710:GLY	N	2.40
21	M	709:LYS	C	710:GLY	N	2.27
12	M	779:ARG	C	780:ASP	N	2.21
9	M	709:LYS	C	710:GLY	N	2.19
22	M	709:LYS	C	710:GLY	N	2.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
11	M	805:ARG	C	806:MET	N	2.05
5	M	709:LYS	C	710:GLY	N	2.04
8	M	805:ARG	C	806:MET	N	2.03
8	M	709:LYS	C	710:GLY	N	2.01
14	M	779:ARG	C	780:ASP	N	2.01
17	M	709:LYS	C	710:GLY	N	1.98
1	M	731:ALA	C	732:ILE	N	1.91
2	M	731:ALA	C	732:ILE	N	1.91
3	M	731:ALA	C	732:ILE	N	1.91
4	M	731:ALA	C	732:ILE	N	1.91
5	M	731:ALA	C	732:ILE	N	1.91
6	M	731:ALA	C	732:ILE	N	1.91
7	M	731:ALA	C	732:ILE	N	1.91
8	M	731:ALA	C	732:ILE	N	1.91
9	M	731:ALA	C	732:ILE	N	1.91
10	M	731:ALA	C	732:ILE	N	1.91
11	M	731:ALA	C	732:ILE	N	1.91
12	M	731:ALA	C	732:ILE	N	1.91
13	M	731:ALA	C	732:ILE	N	1.91
14	M	731:ALA	C	732:ILE	N	1.91
15	M	731:ALA	C	732:ILE	N	1.91
16	M	731:ALA	C	732:ILE	N	1.91
17	M	731:ALA	C	732:ILE	N	1.91
18	M	731:ALA	C	732:ILE	N	1.91
19	M	731:ALA	C	732:ILE	N	1.91
20	M	731:ALA	C	732:ILE	N	1.91
21	M	731:ALA	C	732:ILE	N	1.91
22	M	731:ALA	C	732:ILE	N	1.91
5	M	779:ARG	C	780:ASP	N	1.90
7	M	709:LYS	C	710:GLY	N	1.88
10	M	709:LYS	C	710:GLY	N	1.82
18	M	709:LYS	C	710:GLY	N	1.81
12	M	709:LYS	C	710:GLY	N	1.80
2	M	779:ARG	C	780:ASP	N	1.78
21	M	805:ARG	C	806:MET	N	1.77
11	M	709:LYS	C	710:GLY	N	1.74
22	M	805:ARG	C	806:MET	N	1.73
1	M	737:PHE	C	738:MET	N	1.66
2	M	737:PHE	C	738:MET	N	1.66
3	M	737:PHE	C	738:MET	N	1.66
4	M	737:PHE	C	738:MET	N	1.66
5	M	737:PHE	C	738:MET	N	1.66

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
6	M	737:PHE	C	738:MET	N	1.66
7	M	737:PHE	C	738:MET	N	1.66
8	M	737:PHE	C	738:MET	N	1.66
9	M	737:PHE	C	738:MET	N	1.66
10	M	737:PHE	C	738:MET	N	1.66
11	M	737:PHE	C	738:MET	N	1.66
12	M	737:PHE	C	738:MET	N	1.66
13	M	737:PHE	C	738:MET	N	1.66
14	M	737:PHE	C	738:MET	N	1.66
15	M	737:PHE	C	738:MET	N	1.66
16	M	737:PHE	C	738:MET	N	1.66
17	M	737:PHE	C	738:MET	N	1.66
18	M	737:PHE	C	738:MET	N	1.66
19	M	737:PHE	C	738:MET	N	1.66
20	M	737:PHE	C	738:MET	N	1.66
21	M	737:PHE	C	738:MET	N	1.66
22	M	737:PHE	C	738:MET	N	1.66
14	M	805:ARG	C	806:MET	N	1.10
19	M	805:ARG	C	806:MET	N	1.03
17	M	779:ARG	C	780:ASP	N	1.02

6 Map visualisation

This section contains visualisations of the EMDB entry EMD-1561. 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

This section was not generated.

6.2 Central slices

This section was not generated.

6.3 Largest variance slices

This section was not generated.

6.4 Orthogonal standard-deviation projections (False-color)

This section was not generated.

6.5 Orthogonal surface views

This section was not generated.

6.6 Mask visualisation

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

This section was not generated.

7.2 Volume estimate versus contour level

This section was not generated.

7.3 Rotationally averaged power spectrum

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

8 Fourier-Shell correlation

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

9 Map-model fit

This section was not generated.