



Full wwPDB X-ray Structure Validation Report ⓘ

May 22, 2020 – 06:46 pm BST

PDB ID : 1M7N
Title : Crystal Structure of Unactivated APO Insulin-like Growth Factor-1 Receptor Kinase Domain
Authors : Munshi, S.; Kuo, L.
Deposited on : 2002-07-22
Resolution : 2.70 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

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

MolProbity : 4.02b-467
Xtrriage (Phenix) : **NOT EXECUTED**
EDS : **NOT EXECUTED**
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.11

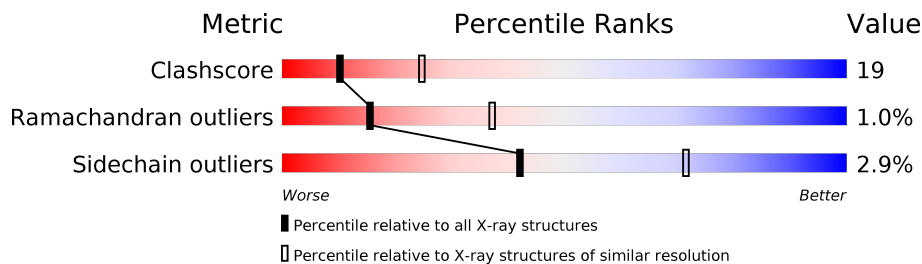
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.70 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
Clashscore	141614	3122 (2.70-2.70)
Ramachandran outliers	138981	3069 (2.70-2.70)
Sidechain outliers	138945	3069 (2.70-2.70)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments on the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$

Note EDS was not executed.

Mol	Chain	Length	Quality of chain
1	A	322	
1	B	322	

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 4987 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called Insulin-like growth factor I receptor.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	299	2384	1516	398	448	22	0	0	0
1	B	299	2384	1516	398	448	22	0	0	0

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	970	MET	-	CLONING ARTIFACT	UNP P08069
B	970	MET	-	CLONING ARTIFACT	UNP P08069

- Molecule 2 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	A	115	Total	O	0	0
			115	115		
2	B	104	Total	O	0	0
			104	104		

3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA and DNA 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.

Note EDS was not executed.

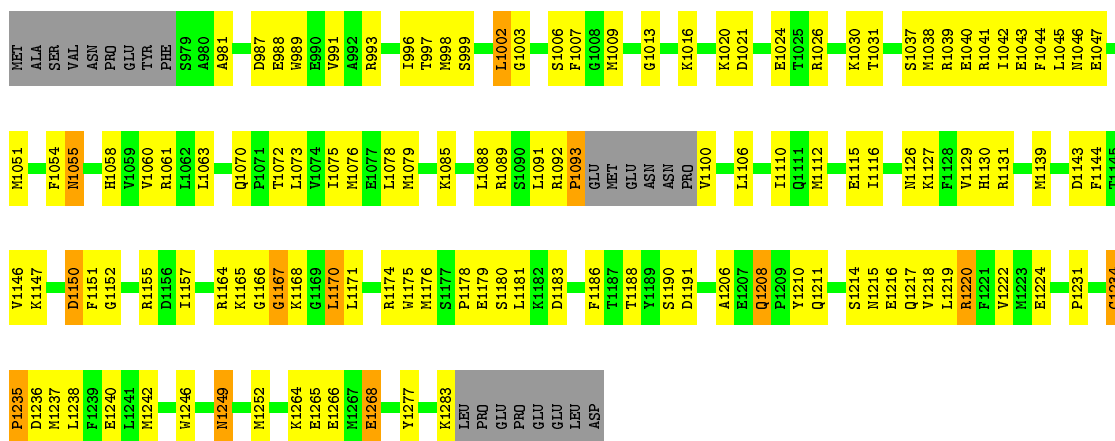
- Molecule 1: Insulin-like growth factor I receptor

Chain A: 



- Molecule 1: Insulin-like growth factor I receptor

Chain B: 



4 Data and refinement statistics

Xtrriage (Phenix) and EDS were not executed - this section is therefore incomplete.

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	52.88Å 78.06Å 78.97Å 90.00° 99.17° 90.00°	Depositor
Resolution (Å)	20.00 – 2.70	Depositor
% Data completeness (in resolution range)	(Not available) (20.00-2.70)	Depositor
R_{merge}	(Not available)	Depositor
R_{sym}	0.09	Depositor
Refinement program	CNX	Depositor
R, R_{free}	0.229 , 0.294	Depositor
Estimated twinning fraction	No twinning to report.	Xtrriage
Total number of atoms	4987	wwPDB-VP
Average B, all atoms (Å ²)	31.0	wwPDB-VP

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	A	0.38	0/2434	0.64	0/3283
1	B	0.37	0/2434	0.62	0/3283
All	All	0.38	0/4868	0.63	0/6566

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	2384	0	2354	84	0
1	B	2384	0	2354	96	0
2	A	115	0	0	7	0
2	B	104	0	0	9	0
All	All	4987	0	4708	178	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 19.

All (178) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1280:GLU:HG3	1:A:1281:GLU:H	1.20	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1231:PRO:HG2	1:A:1234:CYS:HB2	1.42	1.02
1:A:996:ILE:HD11	1:A:1075:ILE:HD11	1.46	0.97
1:B:1214:SER:H	1:B:1217:GLN:HE21	1.05	0.93
1:A:1003:GLY:H	1:A:1009:MET:HE1	1.35	0.92
1:B:1214:SER:H	1:B:1217:GLN:NE2	1.73	0.86
1:A:988:GLU:CD	1:A:988:GLU:H	1.81	0.83
1:A:1022:GLU:HG3	1:A:1023:PRO:HD2	1.63	0.80
1:A:1049:SER:HA	1:A:1052:LYS:HG3	1.64	0.79
1:B:1214:SER:OG	1:B:1217:GLN:HG3	1.83	0.79
1:A:1280:GLU:HG3	1:A:1281:GLU:N	1.94	0.77
1:B:1129:VAL:HG23	2:B:144:HOH:O	1.84	0.77
1:B:1265:GLU:HG2	2:B:121:HOH:O	1.85	0.75
1:A:1039:ARG:O	1:A:1042:ILE:HG22	1.88	0.73
1:A:996:ILE:CD1	1:A:1075:ILE:HD11	2.19	0.72
1:B:1112:MET:O	1:B:1116:ILE:HG13	1.89	0.72
1:B:1220:ARG:HH11	1:B:1224:GLU:CD	1.93	0.72
1:B:1181:LEU:HD22	1:B:1219:LEU:HD23	1.72	0.71
1:B:1214:SER:N	1:B:1217:GLN:HE21	1.84	0.71
1:B:1030:LYS:HE2	1:B:1076:MET:HG3	1.72	0.70
1:A:1184:GLY:O	1:B:1039:ARG:HD3	1.93	0.69
1:B:1236:ASP:O	1:B:1240:GLU:HG3	1.94	0.68
1:B:1089:ARG:HG3	1:B:1206:ALA:HB3	1.76	0.68
1:A:993:ARG:NH2	1:A:1071:PRO:O	2.27	0.68
1:A:1023:PRO:HG2	1:A:1024:GLU:H	1.59	0.67
1:A:1231:PRO:HG2	1:A:1234:CYS:CB	2.22	0.67
1:A:1038:MET:SD	1:A:1041:ARG:NH2	2.68	0.67
1:A:1110:ILE:HG21	1:A:1266:GLU:HB2	1.77	0.66
1:B:1164:ARG:HA	1:B:1170:LEU:HA	1.78	0.66
1:A:1003:GLY:H	1:A:1009:MET:CE	2.07	0.66
1:B:1165:LYS:HE2	1:B:1219:LEU:HD21	1.78	0.66
1:A:1280:GLU:HG3	1:A:1281:GLU:HG3	1.77	0.66
1:B:1283:LYS:NZ	1:B:1283:LYS:HB3	2.11	0.65
1:B:1249:ASN:N	1:B:1249:ASN:HD22	1.94	0.64
1:A:1214:SER:OG	1:A:1217:GLN:HG3	1.97	0.64
1:B:1216:GLU:HA	1:B:1219:LEU:HD12	1.79	0.64
1:A:1003:GLY:N	1:A:1009:MET:HE1	2.11	0.63
1:B:1179:GLU:HG2	1:B:1180:SER:N	2.14	0.62
1:B:1030:LYS:HE2	1:B:1076:MET:CG	2.30	0.62
1:B:996:ILE:HD11	1:B:1075:ILE:HD11	1.80	0.62
1:A:1181:LEU:HD22	1:A:1219:LEU:HG	1.82	0.62
1:B:1003:GLY:O	1:B:1009:MET:SD	2.58	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1112:MET:HE1	2:A:208:HOH:O	2.01	0.60
1:B:1089:ARG:O	1:B:1092:ARG:HD3	2.02	0.60
1:A:1038:MET:HG2	2:A:37:HOH:O	2.02	0.60
1:A:1092:ARG:HE	1:A:1205:LEU:HB2	1.68	0.59
1:A:1281:GLU:O	1:A:1283:LYS:HG3	2.03	0.59
1:B:1155:ARG:NH2	1:B:1157:ILE:HD13	2.19	0.57
1:B:1092:ARG:HB2	1:B:1093:PRO:HD3	1.87	0.57
1:B:1231:PRO:HG2	1:B:1234:CYS:CB	2.35	0.56
1:B:1220:ARG:O	1:B:1224:GLU:HG2	2.05	0.56
1:B:1106:LEU:HD13	1:B:1235:PRO:CB	2.36	0.56
1:B:1237:MET:HG3	1:B:1238:LEU:N	2.21	0.55
1:A:1214:SER:O	1:A:1218:VAL:HG23	2.06	0.55
1:A:1241:LEU:HD21	1:A:1259:ILE:HG23	1.88	0.55
1:A:1045:LEU:HD21	1:A:1072:THR:CG2	2.37	0.55
1:B:1042:ILE:HG22	1:B:1046:ASN:ND2	2.22	0.55
1:B:1178:PRO:HG3	1:B:1222:VAL:HG12	1.87	0.55
1:B:1179:GLU:HG2	1:B:1180:SER:H	1.72	0.55
1:B:997:THR:O	1:B:1013:GLY:HA3	2.07	0.54
1:A:1019:VAL:HB	1:A:1022:GLU:HB3	1.90	0.54
1:A:1178:PRO:HG3	1:A:1222:VAL:HG12	1.91	0.53
1:B:1026:ARG:HG2	1:B:1078:LEU:HD22	1.90	0.53
1:B:1100:VAL:N	2:B:166:HOH:O	2.42	0.53
1:A:1137:ASN:HB3	2:A:57:HOH:O	2.08	0.53
1:A:1112:MET:O	1:A:1116:ILE:HG13	2.09	0.53
1:A:1172:PRO:O	1:A:1176:MET:HG3	2.08	0.52
1:B:1208:GLN:O	1:B:1211:GLN:HG3	2.10	0.52
1:B:1016:LYS:HZ2	1:B:1024:GLU:CD	2.13	0.52
1:B:1020:LYS:O	1:B:1021:ASP:HB2	2.09	0.51
1:B:999:SER:HB3	2:B:81:HOH:O	2.10	0.51
1:A:1281:GLU:HA	1:A:1283:LYS:NZ	2.25	0.51
1:B:1020:LYS:HB2	2:B:64:HOH:O	2.10	0.51
1:A:1059:VAL:HG22	1:A:1148:ILE:HB	1.93	0.51
1:B:1031:THR:HG22	1:B:1073:LEU:CD2	2.41	0.51
1:B:1188:THR:O	1:B:1191:ASP:HB2	2.11	0.50
1:B:996:ILE:HD11	1:B:1075:ILE:CD1	2.42	0.50
1:B:1166:GLY:C	1:B:1168:LYS:H	2.14	0.50
1:B:1174:ARG:HH11	1:B:1210:TYR:HB2	1.76	0.50
1:B:988:GLU:OE1	1:B:988:GLU:N	2.40	0.50
1:B:1031:THR:HG22	1:B:1073:LEU:HD23	1.94	0.49
1:B:1110:ILE:HG21	1:B:1266:GLU:HB2	1.94	0.49
1:B:1174:ARG:NH1	1:B:1210:TYR:HB2	2.27	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:1110:ILE:HG21	1:A:1266:GLU:CB	2.41	0.49
1:A:1204:THR:HG22	1:A:1231:PRO:HB3	1.94	0.49
1:A:1047:GLU:OE1	1:A:1047:GLU:HA	2.13	0.49
1:B:1058:HIS:CD2	1:B:1115:GLU:HG2	2.47	0.49
1:A:1215:ASN:O	1:A:1219:LEU:HD13	2.12	0.49
1:B:989:TRP:O	1:B:991:VAL:HG23	2.13	0.49
1:A:1188:THR:O	1:A:1191:ASP:HB2	2.13	0.49
1:B:987:ASP:HB2	1:B:988:GLU:OE1	2.13	0.48
1:B:1283:LYS:HZ3	1:B:1283:LYS:HB3	1.78	0.48
1:A:1004:GLN:NE2	1:A:1008:GLY:HA2	2.29	0.48
1:B:1249:ASN:N	1:B:1249:ASN:ND2	2.62	0.48
1:B:1060:VAL:HG11	1:B:1150:ASP:OD1	2.13	0.47
1:A:1009:MET:HE2	1:A:1010:VAL:O	2.14	0.47
1:B:1085:LYS:NZ	2:B:20:HOH:O	2.44	0.47
1:A:1080:THR:OG1	1:A:1142:GLU:HA	2.14	0.47
1:B:1166:GLY:O	1:B:1168:LYS:N	2.47	0.47
1:A:1092:ARG:N	1:A:1093:PRO:HD2	2.30	0.47
1:A:1154:THR:HA	2:A:128:HOH:O	2.14	0.47
1:A:988:GLU:CD	1:A:988:GLU:N	2.56	0.47
1:B:1165:LYS:CE	1:B:1219:LEU:HD21	2.45	0.47
1:A:1269:PRO:O	1:A:1272:ARG:HB2	2.15	0.46
1:B:1139:MET:O	1:B:1146:VAL:HG13	2.15	0.46
1:B:1016:LYS:HE3	1:B:1024:GLU:HB3	1.96	0.46
1:B:1007:PHE:CD2	1:B:1044:PHE:HD1	2.32	0.46
1:A:1281:GLU:HA	1:A:1283:LYS:HZ2	1.81	0.46
1:B:1242:MET:HB3	1:B:1246:TRP:CH2	2.50	0.46
1:A:1220:ARG:HG3	1:A:1220:ARG:HH11	1.81	0.46
1:B:1051:MET:HA	1:B:1054:PHE:CD2	2.50	0.46
1:A:1102:ALA:HB1	1:A:1103:PRO:HD2	1.98	0.46
1:B:1043:GLU:O	1:B:1047:GLU:HG3	2.16	0.46
1:B:981:ALA:HB2	2:B:152:HOH:O	2.15	0.46
1:B:1231:PRO:HG2	1:B:1234:CYS:HB2	1.99	0.45
1:A:1025:THR:HG22	1:A:1026:ARG:O	2.16	0.45
1:A:1084:LEU:O	1:A:1088:LEU:HG	2.16	0.45
1:A:1247:GLN:HB2	1:A:1253:ARG:CG	2.47	0.45
1:B:1171:LEU:HB3	1:B:1176:MET:SD	2.56	0.45
1:A:1121:ALA:HB2	1:A:1256:PHE:HB3	2.00	0.44
1:A:1242:MET:HB3	1:A:1246:TRP:CZ3	2.52	0.44
1:A:1205:LEU:HD23	1:A:1205:LEU:HA	1.85	0.44
1:B:1165:LYS:C	1:B:1167:GLY:N	2.71	0.44
1:A:1277:TYR:HD2	1:A:1278:TYR:CD1	2.36	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:1126:ASN:O	1:B:1127:LYS:HB2	2.18	0.43
1:B:1063:LEU:HB2	1:B:1075:ILE:HG22	1.99	0.43
1:B:1181:LEU:HD22	1:B:1219:LEU:CD2	2.43	0.43
1:A:1009:MET:HE3	1:A:1010:VAL:H	1.83	0.43
1:A:1085:LYS:NZ	1:A:1161:ASP:OD2	2.51	0.43
1:A:1085:LYS:HD2	2:A:3:HOH:O	2.17	0.43
1:A:996:ILE:HG22	1:A:997:THR:N	2.34	0.43
1:B:1218:VAL:O	1:B:1222:VAL:HG23	2.19	0.43
1:A:1045:LEU:HD21	1:A:1072:THR:HG21	2.00	0.43
1:B:1214:SER:O	1:B:1215:ASN:C	2.56	0.43
1:A:1166:GLY:O	1:A:1168:LYS:HG3	2.19	0.43
1:A:1230:LYS:HA	1:A:1239:PHE:CD2	2.53	0.43
1:B:1131:ARG:HG2	1:B:1186:PHE:CG	2.52	0.43
1:B:1041:ARG:CZ	1:B:1070:GLN:HE22	2.31	0.43
1:B:1088:LEU:O	1:B:1091:LEU:HB2	2.18	0.43
1:B:1268:GLU:HG3	2:B:6:HOH:O	2.18	0.43
1:B:1055:ASN:OD1	1:B:1061:ARG:NH1	2.52	0.42
1:B:1110:ILE:HG21	1:B:1266:GLU:CB	2.49	0.42
1:B:993:ARG:NH1	1:B:1073:LEU:HD11	2.34	0.42
1:A:1188:THR:CG2	1:A:1189:TYR:N	2.82	0.42
1:B:1002:LEU:HA	1:B:1002:LEU:HD12	1.80	0.42
1:A:1237:MET:O	1:A:1240:GLU:HB3	2.19	0.42
1:B:1166:GLY:C	1:B:1168:LYS:N	2.73	0.42
1:B:1006:SER:OG	1:B:1152:GLY:HA2	2.20	0.42
1:A:1183:ASP:HB3	1:B:1038:MET:HB2	2.00	0.42
1:A:1192:VAL:O	1:A:1195:PHE:HB3	2.20	0.41
1:A:1192:VAL:HG21	1:A:1254:PRO:O	2.19	0.41
1:A:1280:GLU:CG	1:A:1281:GLU:H	2.06	0.41
1:B:1089:ARG:CG	1:B:1206:ALA:HB3	2.45	0.41
1:A:1135:ALA:HB3	1:A:1201:GLU:OE2	2.19	0.41
1:B:1045:LEU:HD21	1:B:1072:THR:CG2	2.50	0.41
1:B:1249:ASN:HB2	1:B:1252:MET:HE2	2.02	0.41
1:A:1079:MET:HE2	1:A:1147:LYS:HB2	2.01	0.41
1:A:1257:LEU:HD22	1:A:1282:ASN:HD21	1.86	0.41
1:B:1130:HIS:O	1:B:1131:ARG:HB2	2.20	0.41
1:B:1190:SER:HB2	2:B:101:HOH:O	2.20	0.41
1:A:1040:GLU:O	1:A:1043:GLU:HG2	2.20	0.41
1:A:1014:VAL:HA	1:A:1025:THR:O	2.21	0.41
1:A:1066:VAL:HB	1:A:1073:LEU:HB2	2.03	0.41
1:A:1174:ARG:HB2	1:A:1175:TRP:CZ3	2.56	0.41
1:B:1037:SER:OG	1:B:1040:GLU:HG3	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:1079:MET:HE1	1:B:1147:LYS:HG3	2.03	0.41
1:B:1179:GLU:O	1:B:1183:ASP:N	2.40	0.41
1:B:1174:ARG:HB2	1:B:1175:TRP:CZ3	2.56	0.41
1:A:1014:VAL:CG1	1:A:1024:GLU:HB3	2.51	0.41
1:A:1055:ASN:OD1	1:A:1061:ARG:NH1	2.54	0.41
1:B:1143:ASP:O	1:B:1144:PHE:HB2	2.21	0.41
1:B:1264:LYS:HD3	1:B:1277:TYR:CE2	2.56	0.41
1:A:1220:ARG:HG3	1:A:1220:ARG:NH1	2.35	0.40
1:B:1208:GLN:HE21	1:B:1208:GLN:HA	1.85	0.40
1:A:1038:MET:HE3	2:A:53:HOH:O	2.21	0.40
1:A:1190:SER:HB2	2:A:55:HOH:O	2.20	0.40
1:A:1189:TYR:CD1	1:A:1250:PRO:HB2	2.55	0.40
1:A:1077:GLU:OE1	1:A:1147:LYS:HE3	2.22	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 X-ray entries followed by that with respect to entries of similar resolution.

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	295/322 (92%)	268 (91%)	24 (8%)	3 (1%)	15	37
1	B	295/322 (92%)	272 (92%)	20 (7%)	3 (1%)	15	37
All	All	590/644 (92%)	540 (92%)	44 (8%)	6 (1%)	15	37

All (6) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	1281	GLU
1	B	1167	GLY
1	A	1023	PRO
1	B	1055	ASN
1	A	1060	VAL

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Mol	Chain	Res	Type
1	B	1235	PRO

5.3.2 Protein sidechains [i](#)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	260/282 (92%)	256 (98%)	4 (2%)	65 86
1	B	260/282 (92%)	249 (96%)	11 (4%)	30 58
All	All	520/564 (92%)	505 (97%)	15 (3%)	42 71

All (15) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	988	GLU
1	A	1018	VAL
1	A	1091	LEU
1	A	1131	ARG
1	B	998	MET
1	B	1002	LEU
1	B	1093	PRO
1	B	1150	ASP
1	B	1151	PHE
1	B	1170	LEU
1	B	1208	GLN
1	B	1220	ARG
1	B	1234	CYS
1	B	1249	ASN
1	B	1268	GLU

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (10) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	1004	GLN
1	A	1033	ASN

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Mol	Chain	Res	Type
1	A	1046	ASN
1	A	1208	GLN
1	A	1211	GLN
1	B	1046	ASN
1	B	1070	GLN
1	B	1126	ASN
1	B	1217	GLN
1	B	1249	ASN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

EDS was not executed - this section is therefore empty.

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

EDS was not executed - this section is therefore empty.

6.3 Carbohydrates

EDS was not executed - this section is therefore empty.

6.4 Ligands

EDS was not executed - this section is therefore empty.

6.5 Other polymers

EDS was not executed - this section is therefore empty.