



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 5, 2026 – 04:21 AM UTC

PDB ID : 1F6F / pdb_00001f6f
Title : CRYSTAL STRUCTURE OF THE TERNARY COMPLEX BETWEEN
OVINE PLACENTAL LACTOGEN AND THE EXTRACELLULAR DO-
MAIN OF THE RAT PROLACTIN RECEPTOR
Authors : Elkins, P.A.; Christinger, H.W.; Sandowski, Y.; Sakal, E.; Gertler, A.; De Vos,
A.M.; Kossiakoff, A.A.
Deposited on : 2000-06-21
Resolution : 2.30 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4-5-2 with Phenix2.0
Xtriage (Phenix) : **NOT EXECUTED**
EDS : **NOT EXECUTED**
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

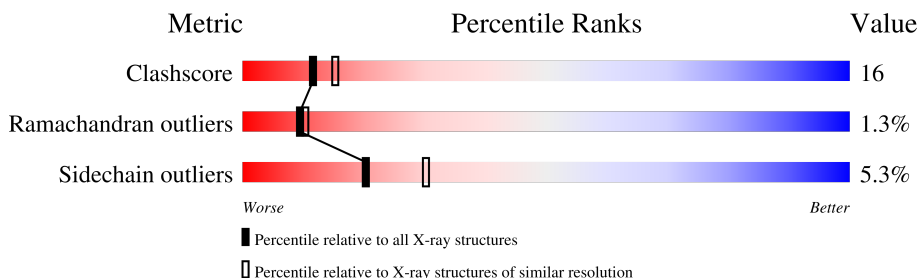
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.30 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
Clashscore	190562	6919 (2.30-2.30)
Ramachandran outliers	187476	6854 (2.30-2.30)
Sidechain outliers	187428	6854 (2.30-2.30)

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

Note EDS was not executed.

Mol	Chain	Length	Quality of chain
1	A	199	
2	B	210	
2	C	210	

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 4627 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 PLACENTAL LACTOGEN.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	183	Total	C	N	O	S	1	0	0
			1475	931	263	274	7			

- Molecule 2 is a protein called PROLACTIN RECEPTOR.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	195	Total	C	N	O	S	5	0	0
			1612	1039	257	308	8			
2	C	169	Total	C	N	O	S	0	0	0
			1420	919	227	267	7			

- Molecule 3 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	40	Total	O	0	0
			40	40		
3	B	53	Total	O	2	0
			53	53		
3	C	27	Total	O	2	0
			27	27		

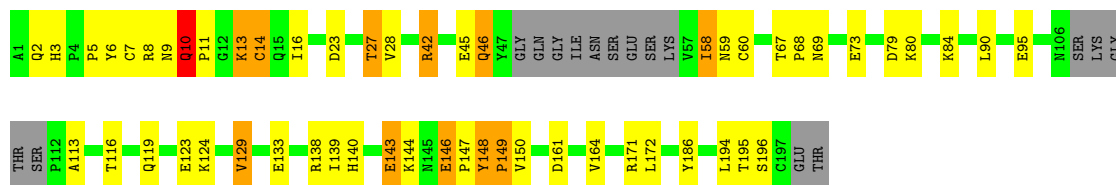
3 Residue-property plots

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

Note EDS was not executed.

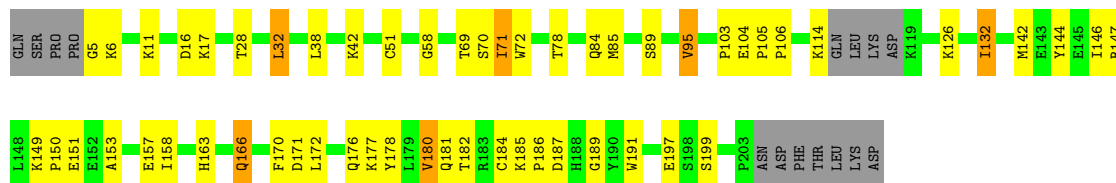
• Molecule 1: PLACENTAL LACTOGEN

Chain A: 



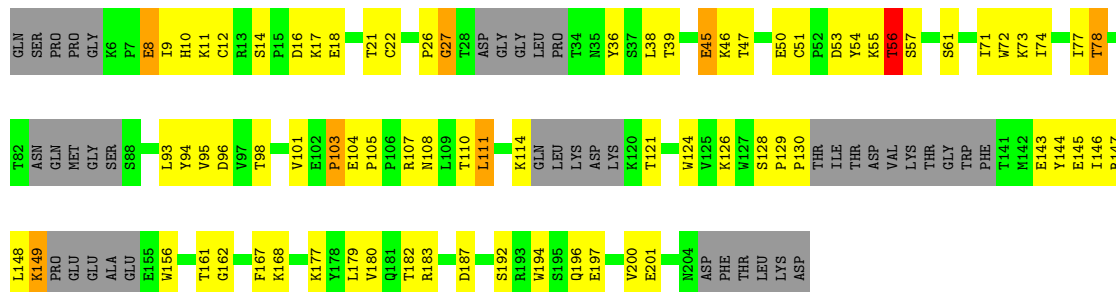
• Molecule 2: PROLACTIN RECEPTOR

Chain B: 



• Molecule 2: PROLACTIN RECEPTOR

Chain C: 



4 Data and refinement statistics

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

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	168.18Å 63.10Å 88.43Å 90.00° 118.63° 90.00°	Depositor
Resolution (Å)	30.00 – 2.30	Depositor
% Data completeness (in resolution range)	90.7 (30.00-2.30)	Depositor
R_{merge}	0.06	Depositor
R_{sym}	(Not available)	Depositor
Refinement program	X-PLOR 3.1	Depositor
R, R_{free}	0.225 , 0.287	Depositor
Estimated twinning fraction	No twinning to report.	Xtriage
Total number of atoms	4627	wwPDB-VP
Average B, all atoms (Å ²)	52.0	wwPDB-VP

5 Model quality

5.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	A	0.80	0/1506	1.06	8/2039 (0.4%)
2	B	0.78	1/1668 (0.1%)	1.13	12/2273 (0.5%)
2	C	0.62	0/1467	0.98	6/1994 (0.3%)
All	All	0.74	1/4641 (0.0%)	1.06	26/6306 (0.4%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	69	THR	CA-CB	5.55	1.61	1.53

All (26) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	11	LYS	N-CA-C	7.50	121.15	109.07
2	B	58	GLY	CA-C-N	7.24	127.29	119.90
2	B	58	GLY	C-N-CA	7.24	127.29	119.90
1	A	148	TYR	CA-C-N	6.61	127.00	119.92
1	A	148	TYR	C-N-CA	6.61	127.00	119.92
2	B	170	PHE	N-CA-C	6.29	121.90	113.72
2	C	27	GLY	N-CA-C	6.10	120.57	112.77
2	B	104	GLU	N-CA-C	-5.87	103.38	110.13
2	B	186	PRO	N-CA-C	-5.72	101.18	110.40
1	A	149	PRO	N-CA-C	5.71	120.19	111.34
2	B	176	GLN	N-CA-C	5.67	118.86	110.46
2	C	77	ILE	N-CA-C	5.63	117.10	108.71
2	B	149	LYS	N-CA-C	5.55	113.12	108.13
2	B	95	VAL	N-CA-C	5.51	116.21	108.17
2	C	71	ILE	CB-CA-C	-5.41	105.97	112.19
2	C	197	GLU	N-CA-C	5.36	117.86	110.35
2	B	103	PRO	N-CA-C	5.34	119.08	111.13
1	A	146	GLU	N-CA-C	5.26	116.18	110.13
1	A	143	GLU	N-CA-C	-5.25	101.98	110.32
2	C	45	GLU	N-CA-C	5.21	118.43	110.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	172	LEU	N-CA-C	5.20	116.64	111.07
1	A	28	VAL	N-CA-C	-5.16	105.68	110.53
2	B	189	GLY	N-CA-C	5.06	118.92	112.13
1	A	10	GLN	N-CA-C	5.06	120.98	109.81
2	C	95	VAL	N-CA-C	5.05	115.18	108.11
2	B	180	VAL	N-CA-C	5.04	115.91	108.45

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts ⓘ

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	1475	0	1471	43	0
2	B	1612	0	1526	36	0
2	C	1420	0	1343	69	0
3	A	40	0	0	2	0
3	B	53	0	0	2	0
3	C	27	0	0	8	0
All	All	4627	0	4340	141	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 16.

All (141) 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)
2:B:132:ILE:HD13	2:B:132:ILE:H	1.19	1.07
2:C:107:ARG:HE	2:C:130:PRO:HA	1.13	1.05
2:C:145:GLU:HB3	3:C:1009:HOH:O	1.67	0.94
1:A:119:GLN:O	1:A:123:GLU:HG2	1.70	0.92
1:A:146:GLU:HB3	1:A:147:PRO:HD2	1.55	0.88
2:C:107:ARG:HH21	2:C:130:PRO:C	1.81	0.87
2:B:150:PRO:HG2	2:B:153:ALA:HB2	1.58	0.84
2:C:108:ASN:HD22	2:C:128:SER:HB2	1.43	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:147:ARG:HB3	2:B:158:ILE:HD13	1.61	0.82
2:B:146:ILE:HG22	2:B:182:THR:HG22	1.61	0.82
2:C:146:ILE:HG22	2:C:182:THR:HG22	1.63	0.81
2:C:177:LYS:HG2	2:C:201:GLU:HG2	1.63	0.80
2:B:5:GLY:HA3	2:B:89:SER:O	1.82	0.80
1:A:113:ALA:O	1:A:116:THR:HG22	1.82	0.80
2:B:132:ILE:H	2:B:132:ILE:CD1	1.87	0.77
2:C:57:SER:HB2	3:C:948:HOH:O	1.85	0.77
2:C:183:ARG:HG3	2:C:194:TRP:CE3	2.22	0.75
2:B:157:GLU:HG3	2:C:168:LYS:NZ	2.02	0.74
2:C:107:ARG:NE	2:C:130:PRO:HA	1.97	0.73
1:A:79:ASP:OD2	1:A:140:HIS:HE1	1.71	0.73
2:B:132:ILE:HD13	2:B:132:ILE:N	2.01	0.72
2:C:104:GLU:O	2:C:130:PRO:HG2	1.90	0.71
1:A:161:ASP:HB3	1:A:164:VAL:HG12	1.74	0.68
1:A:42:ARG:HH11	1:A:42:ARG:HB2	1.58	0.68
2:C:57:SER:CB	3:C:948:HOH:O	2.42	0.67
2:C:50:GLU:HG3	2:C:51:CYS:N	2.10	0.67
2:C:177:LYS:HG2	2:C:201:GLU:CG	2.27	0.65
2:C:124:TRP:CE2	2:C:126:LYS:HE3	2.32	0.65
1:A:161:ASP:HB3	1:A:164:VAL:CG1	2.27	0.65
2:C:114:LYS:O	2:C:121:THR:HA	1.96	0.65
2:C:110:THR:C	2:C:111:LEU:HD12	2.23	0.64
2:C:53:ASP:OD1	2:C:56:THR:HG23	2.00	0.61
2:C:105:PRO:O	2:C:130:PRO:HG3	2.01	0.61
2:C:149:LYS:NZ	3:C:1008:HOH:O	2.33	0.61
1:A:8:ARG:C	1:A:9:ASN:HD22	2.07	0.61
2:B:42:LYS:HE3	2:B:70:SER:OG	2.01	0.60
1:A:90:LEU:HB3	1:A:129:VAL:HG13	1.82	0.60
1:A:2:GLN:HG3	1:A:3:HIS:N	2.15	0.59
2:B:126:LYS:HG2	2:B:166:GLN:HB3	1.84	0.59
2:C:114:LYS:HE3	2:C:124:TRP:CE3	2.37	0.59
2:C:111:LEU:HD12	2:C:111:LEU:N	2.19	0.58
2:C:194:TRP:HH2	3:C:1009:HOH:O	1.86	0.58
1:A:16:ILE:O	1:A:138:ARG:NH2	2.31	0.58
2:B:157:GLU:HG3	2:C:168:LYS:HZ1	1.69	0.58
1:A:129:VAL:O	1:A:133:GLU:HG3	2.05	0.57
1:A:9:ASN:HB2	3:A:935:HOH:O	2.05	0.56
2:B:142:MET:O	2:B:163:HIS:HD2	1.88	0.56
1:A:58:ILE:HG23	1:A:60:CYS:SG	2.46	0.56
2:C:9:ILE:HG21	2:C:93:LEU:HD22	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:45:GLU:HG2	2:C:46:LYS:H	1.71	0.55
2:C:26:PRO:HA	2:C:36:TYR:CZ	2.41	0.55
2:C:78:THR:HG23	3:C:983:HOH:O	2.06	0.54
1:A:23:ASP:O	1:A:27:THR:HG23	2.08	0.54
2:C:45:GLU:CG	2:C:46:LYS:H	2.20	0.54
1:A:146:GLU:HB3	1:A:147:PRO:CD	2.34	0.54
1:A:90:LEU:CB	1:A:129:VAL:HG13	2.38	0.54
2:C:148:LEU:HD23	2:C:148:LEU:N	2.24	0.53
2:B:16:ASP:O	2:B:17:LYS:HB3	2.09	0.53
2:B:6:LYS:HB3	3:B:1014:HOH:O	2.09	0.53
2:C:38:LEU:HD23	2:C:38:LEU:C	2.34	0.53
2:C:108:ASN:HD22	2:C:128:SER:CB	2.19	0.53
2:C:183:ARG:HG3	2:C:194:TRP:CZ3	2.44	0.53
2:B:151:GLU:CD	2:B:177:LYS:HD3	2.34	0.52
1:A:8:ARG:O	1:A:8:ARG:HG3	2.09	0.52
2:B:177:LYS:NZ	2:B:199:SER:HB3	2.24	0.52
1:A:195:THR:OG1	1:A:196:SER:N	2.40	0.52
2:C:148:LEU:HD23	2:C:148:LEU:H	1.75	0.52
1:A:45:GLU:O	1:A:46:GLN:HG3	2.09	0.51
2:B:171:ASP:HB3	2:C:167:PHE:CE1	2.45	0.51
2:C:45:GLU:HG2	2:C:46:LYS:N	2.26	0.50
2:B:157:GLU:HG3	2:C:168:LYS:HZ3	1.74	0.50
2:C:10:HIS:CD2	2:C:11:LYS:HG2	2.47	0.50
2:B:6:LYS:HE3	2:B:28:THR:HG23	1.94	0.50
2:B:32:LEU:HD11	2:B:85:MET:HG3	1.94	0.50
2:B:150:PRO:HG2	2:B:153:ALA:CB	2.37	0.50
1:A:59:ASN:HB3	1:A:171:ARG:HH12	1.76	0.49
1:A:6:TYR:C	1:A:8:ARG:H	2.20	0.49
2:C:149:LYS:HD2	2:C:149:LYS:C	2.37	0.49
1:A:10:GLN:O	1:A:11:PRO:C	2.54	0.49
1:A:84:LYS:HE2	1:A:144:LYS:O	2.13	0.49
1:A:67:THR:HB	1:A:186:TYR:OH	2.13	0.48
2:C:9:ILE:O	2:C:9:ILE:HG23	2.11	0.48
1:A:68:PRO:HB3	1:A:73:GLU:HG2	1.94	0.48
2:B:185:LYS:HD3	2:B:191:TRP:CE2	2.49	0.48
1:A:11:PRO:HG2	3:A:935:HOH:O	2.13	0.48
2:C:147:ARG:HD3	2:C:194:TRP:CH2	2.49	0.48
2:C:27:GLY:N	2:C:36:TYR:OH	2.46	0.47
2:C:72:TRP:O	2:C:73:LYS:HG2	2.15	0.47
2:C:148:LEU:HA	2:C:179:LEU:O	2.15	0.47
1:A:139:ILE:HD13	1:A:194:LEU:HD13	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:143:GLU:HA	2:C:162:GLY:O	2.14	0.47
2:C:147:ARG:HD3	2:C:194:TRP:CZ2	2.50	0.47
2:B:6:LYS:NZ	3:B:992:HOH:O	2.48	0.47
2:C:45:GLU:CG	2:C:46:LYS:N	2.78	0.47
2:B:6:LYS:HG2	2:B:28:THR:H	1.79	0.46
1:A:69:ASN:O	2:B:71:ILE:HD13	2.16	0.46
1:A:13:LYS:HB3	1:A:14:CYS:H	1.56	0.46
2:C:111:LEU:N	2:C:111:LEU:CD1	2.78	0.46
2:C:129:PRO:HB3	2:C:144:TYR:OH	2.15	0.46
2:B:71:ILE:O	2:B:72:TRP:HB2	2.16	0.46
1:A:2:GLN:HE21	1:A:3:HIS:H	1.64	0.46
1:A:42:ARG:HB2	1:A:42:ARG:NH1	2.28	0.45
2:C:114:LYS:HE3	2:C:124:TRP:HE3	1.80	0.45
2:B:151:GLU:OE2	2:B:177:LYS:HD3	2.17	0.45
1:A:7:CYS:C	1:A:9:ASN:H	2.25	0.45
2:B:144:TYR:CD1	2:B:184:CYS:HB3	2.52	0.45
1:A:148:TYR:HB2	1:A:149:PRO:HD2	1.99	0.44
2:B:17:LYS:HG2	2:B:17:LYS:O	2.18	0.44
2:C:16:ASP:O	2:C:17:LYS:HB2	2.18	0.44
2:C:103:PRO:HG2	2:C:192:SER:HB3	1.99	0.43
1:A:143:GLU:OE2	1:A:143:GLU:HA	2.17	0.43
2:C:14:SER:O	2:C:101:VAL:HA	2.18	0.43
2:C:149:LYS:C	2:C:149:LYS:CD	2.90	0.43
2:B:172:LEU:HD22	2:B:178:TYR:CE1	2.54	0.43
1:A:58:ILE:CG2	1:A:60:CYS:SG	3.06	0.43
1:A:13:LYS:O	1:A:14:CYS:HB2	2.19	0.43
2:C:111:LEU:HD23	2:C:200:VAL:CG1	2.49	0.42
2:C:114:LYS:HE3	2:C:124:TRP:CZ3	2.54	0.42
2:C:147:ARG:HG3	2:C:156:TRP:CE3	2.54	0.42
2:C:145:GLU:C	3:C:1009:HOH:O	2.62	0.42
2:C:8:GLU:HG3	2:C:9:ILE:N	2.34	0.42
2:C:38:LEU:HD23	2:C:39:THR:N	2.34	0.42
2:B:105:PRO:HA	2:B:106:PRO:HD3	1.88	0.42
1:A:42:ARG:HD2	1:A:46:GLN:NE2	2.35	0.42
2:B:38:LEU:HB3	2:B:51:CYS:HB2	2.02	0.42
2:C:96:ASP:OD1	2:C:98:THR:OG1	2.28	0.42
2:B:181:GLN:CG	2:B:197:GLU:HG2	2.50	0.42
2:C:12:CYS:HA	2:C:22:CYS:HA	2.02	0.42
2:C:94:TYR:CD1	2:C:94:TYR:N	2.88	0.41
2:B:147:ARG:CB	2:B:158:ILE:HD13	2.40	0.41
1:A:68:PRO:CB	1:A:73:GLU:HG2	2.50	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:147:ARG:NH2	2:B:181:GLN:OE1	2.46	0.41
2:C:57:SER:HB3	2:C:61:SER:OG	2.20	0.41
2:C:53:ASP:OD1	2:C:56:THR:CG2	2.68	0.41
1:A:14:CYS:O	2:C:74:ILE:HD12	2.21	0.41
2:C:54:TYR:HB3	3:C:1015:HOH:O	2.19	0.41
2:C:21:THR:HG21	2:C:57:SER:OG	2.21	0.41
2:B:150:PRO:HA	2:B:177:LYS:O	2.21	0.40
1:A:80:LYS:HE2	1:A:140:HIS:CD2	2.57	0.40
1:A:113:ALA:O	1:A:116:THR:CG2	2.63	0.40
1:A:124:LYS:NZ	2:C:18:GLU:OE2	2.55	0.40

There are no symmetry-related clashes.

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	177/199 (89%)	165 (93%)	8 (4%)	4 (2%)	5	4
2	B	191/210 (91%)	180 (94%)	10 (5%)	1 (0%)	24	31
2	C	157/210 (75%)	144 (92%)	11 (7%)	2 (1%)	9	10
All	All	525/619 (85%)	489 (93%)	29 (6%)	7 (1%)	9	10

All (7) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	14	CYS
1	A	13	LYS
1	A	46	GLN
1	A	10	GLN
2	C	56	THR
2	C	103	PRO
2	B	84	GLN

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	167/180 (93%)	160 (96%)	7 (4%)	26	40
2	B	182/197 (92%)	173 (95%)	9 (5%)	22	34
2	C	162/197 (82%)	151 (93%)	11 (7%)	14	20
All	All	511/574 (89%)	484 (95%)	27 (5%)	20	30

All (27) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	5	PRO
1	A	27	THR
1	A	42	ARG
1	A	58	ILE
1	A	95	GLU
1	A	129	VAL
1	A	150	VAL
2	B	32	LEU
2	B	71	ILE
2	B	78	THR
2	B	95	VAL
2	B	114	LYS
2	B	132	ILE
2	B	166	GLN
2	B	180	VAL
2	B	187	ASP
2	C	8	GLU
2	C	47	THR
2	C	55	LYS
2	C	56	THR
2	C	78	THR
2	C	111	LEU
2	C	149	LYS
2	C	161	THR
2	C	180	VAL
2	C	187	ASP

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Mol	Chain	Res	Type
2	C	196	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (19) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	2	GLN
1	A	9	ASN
1	A	46	GLN
1	A	59	ASN
1	A	69	ASN
1	A	106	ASN
1	A	119	GLN
1	A	140	HIS
1	A	145	ASN
1	A	154	GLN
1	A	177	HIS
2	B	108	ASN
2	B	163	HIS
2	B	166	GLN
2	C	10	HIS
2	C	67	GLN
2	C	108	ASN
2	C	166	GLN
2	C	204	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

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.