



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 8, 2026 – 12:29 PM UTC

PDB ID : 9UDS / pdb_00009uds
Title : Single-chain Fv antibody of C6
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Deposited on : 2025-04-07
Resolution : 1.99 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
Mogul : 2022.3.0, CSD as543be (2022)
Xtriage (Phenix) : 2.0
EDS : 3.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4 : 9.0.010 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

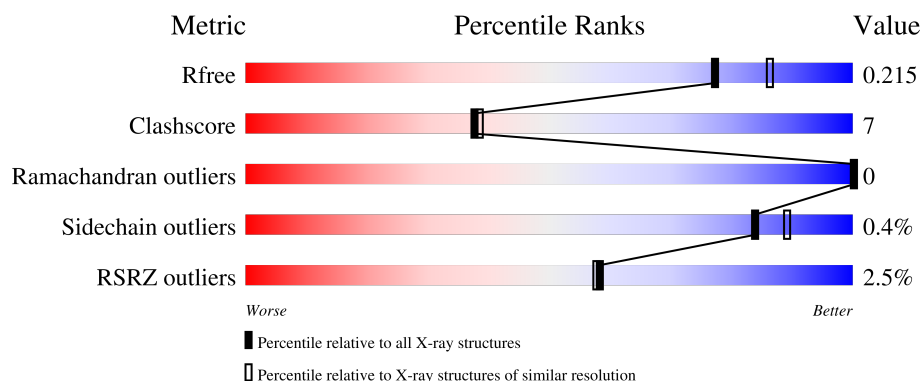
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.99 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	10052 (2.00-2.00)
Clashscore	190562	11152 (2.00-2.00)
Ramachandran outliers	187476	11031 (2.00-2.00)
Sidechain outliers	187428	11029 (2.00-2.00)
RSRZ outliers	180081	10067 (2.00-2.00)

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 $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	247	2% 80% 12% 8%
1	B	247	2% 83% 9% 8%
1	C	247	2% 83% 10% 8%
1	D	247	2% 79% 13% 8%

2 Entry composition [i](#)

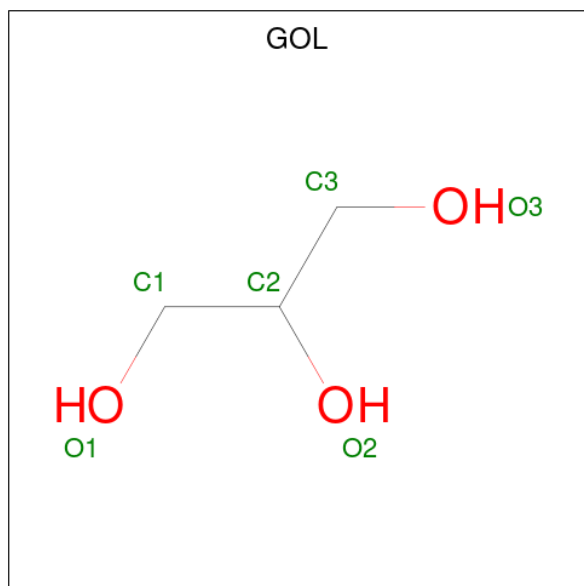
There are 4 unique types of molecules in this entry. The entry contains 7688 atoms, of which 0 are hydrogens and 0 are deuteriums.

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 Single-chain Fv antibody of C6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	228	Total	C	N	O	S	0	0	0
			1751	1109	297	339	6			
1	B	228	Total	C	N	O	S	0	1	0
			1761	1115	300	340	6			
1	C	228	Total	C	N	O	S	0	1	0
			1761	1115	300	340	6			
1	D	228	Total	C	N	O	S	0	0	0
			1751	1109	297	339	6			

- Molecule 2 is GLYCEROL (CCD ID: GOL) (formula: C₃H₈O₃).



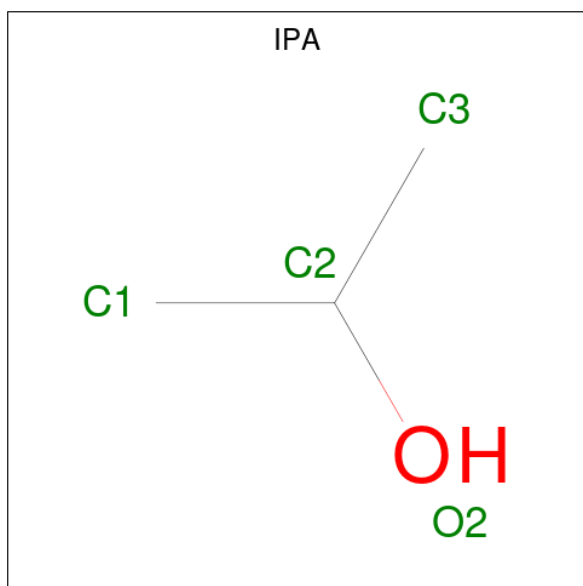
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
2	B	1	Total	C	O	0	0
			6	3	3		
2	C	1	Total	C	O	0	0
			6	3	3		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
2	C	1	Total	C	O	0	0
			6	3	3		

- Molecule 3 is ISOPROPYL ALCOHOL (CCD ID: IPA) (formula: C_3H_8O).

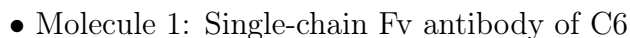
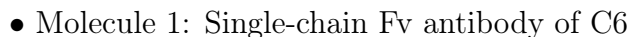


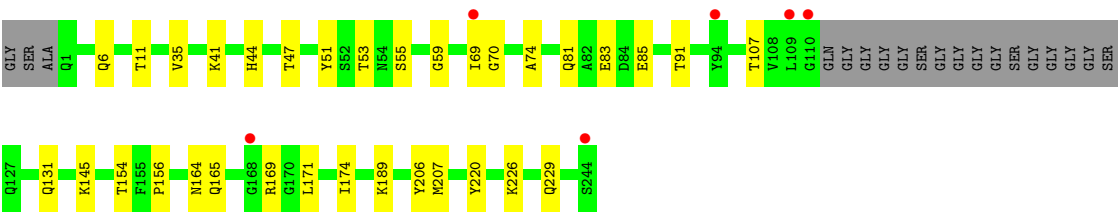
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	B	1	Total	C	O	0	0
			4	3	1		
3	C	1	Total	C	O	0	0
			4	3	1		

- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	152	Total	O	0	0
			152	152		
4	B	157	Total	O	0	0
			157	157		
4	C	173	Total	O	0	0
			173	173		
4	D	156	Total	O	0	0
			156	156		

- Molecule 1: Single-chain Fv antibody of C6





4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	121.24Å 116.85Å 59.86Å 90.00° 90.71° 90.00°	Depositor
Resolution (Å)	48.97 – 1.99 48.97 – 1.99	Depositor EDS
% Data completeness (in resolution range)	99.7 (48.97-1.99) 92.2 (48.97-1.99)	Depositor EDS
R_{merge}	0.46	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.04 (at 1.98Å)	Xtriage
Refinement program	PHENIX 1.21.2_5419	Depositor
R, R_{free}	0.179 , 0.215 0.178 , 0.215	Depositor DCC
R_{free} test set	2873 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å ²)	25.1	Xtriage
Anisotropy	0.180	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 44.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.31$	Xtriage
Estimated twinning fraction	0.036 for k,h,-l 0.033 for -k,-h,-l 0.043 for -h,-k,l	Xtriage
F_o, F_c correlation	0.96	EDS
Total number of atoms	7688	wwPDB-VP
Average B, all atoms (Å ²)	33.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.48% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality [i](#)

5.1 Standard geometry [i](#)

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

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	0.16	0/1796	0.40	0/2445
1	B	0.16	0/1807	0.38	0/2460
1	C	0.19	0/1807	0.43	0/2460
1	D	0.19	0/1796	0.42	0/2445
All	All	0.18	0/7206	0.41	0/9810

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	1751	0	1693	33	0
1	B	1761	0	1699	22	0
1	C	1761	0	1699	22	0
1	D	1751	0	1693	27	0
2	B	6	0	8	0	0
2	C	12	0	16	1	0
3	B	4	0	8	1	0
3	C	4	0	7	2	0
4	A	152	0	0	3	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	B	157	0	0	3	0
4	C	173	0	0	3	0
4	D	156	0	0	6	0
All	All	7688	0	6823	97	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 7.

All (97) 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:189:LYS:O	1:A:189:LYS:HD2	1.21	1.34
1:A:189:LYS:HD2	1:A:189:LYS:C	1.87	0.99
1:A:189:LYS:O	1:A:189:LYS:CD	2.18	0.84
1:A:201:PRO:CG	1:C:139:LYS:HE2	2.13	0.78
1:D:69:ILE:HD12	1:D:74:ALA:HB3	1.65	0.77
1:C:191:LYS:HE3	4:C:543:HOH:O	1.85	0.75
1:B:35:VAL:HG22	1:B:92:LEU:HD22	1.69	0.73
1:B:35:VAL:HG23	4:B:438:HOH:O	1.90	0.70
1:A:154:THR:HG22	4:A:421:HOH:O	1.90	0.70
1:D:44:HIS:NE2	4:D:302:HOH:O	2.25	0.68
1:C:35:VAL:HG23	4:C:433:HOH:O	1.93	0.68
1:C:33:ASN:HB3	1:C:92:LEU:HD22	1.74	0.67
1:B:93:TRP:CZ2	1:B:96:ASN:HA	2.30	0.67
1:D:69:ILE:HD12	1:D:74:ALA:CB	2.26	0.66
1:A:188:GLU:OE2	1:A:191:LYS:HE3	1.96	0.64
1:B:197:THR:HG21	1:C:137:LEU:HG	1.79	0.64
1:A:189:LYS:C	1:A:189:LYS:CD	2.62	0.64
1:A:127:GLN:CD	1:A:128:VAL:H	2.07	0.63
1:D:51:TYR:CE1	1:D:55:SER:HB2	2.34	0.62
1:D:229:GLN:NE2	4:D:301:HOH:O	2.21	0.61
1:A:23:ARG:HH11	1:A:72:LYS:HD3	1.65	0.61
1:C:98:TRP:HE1	3:C:303:IPA:H32	1.66	0.61
1:C:97[B]:HIS:HE2	1:C:188:GLU:H	1.48	0.60
1:B:165:GLN:HB3	1:B:171:LEU:HD23	1.83	0.60
1:A:127:GLN:OE1	1:A:128:VAL:HG23	2.01	0.59
1:B:127:GLN:NE2	4:B:401:HOH:O	2.25	0.59
1:C:165:GLN:HB2	1:C:171:LEU:HD23	1.85	0.59
1:A:164:ASN:HB3	1:A:174:ILE:HD11	1.84	0.58
1:B:23:ARG:HG3	1:B:23:ARG:HH11	1.69	0.57
1:A:201:PRO:HG2	1:C:139:LYS:HE2	1.85	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:127:GLN:CG	1:B:128:VAL:H	2.16	0.56
1:D:85:GLU:HG3	1:D:107:THR:HA	1.88	0.56
1:B:23:ARG:HG3	1:B:23:ARG:NH1	2.21	0.55
1:B:127:GLN:HG2	1:B:128:VAL:H	1.72	0.55
1:D:164:ASN:HB3	1:D:174:ILE:HD11	1.89	0.54
1:A:201:PRO:HG3	1:C:139:LYS:HE2	1.88	0.54
1:B:41:LYS:HB3	1:B:42:PRO:HD2	1.88	0.54
1:A:69:ILE:HD12	1:A:74:ALA:HB3	1.90	0.53
1:B:91:THR:HG22	1:B:100:PHE:CD2	2.44	0.52
1:A:165:GLN:HB2	1:A:171:LEU:HD23	1.92	0.52
1:A:145:LYS:HE2	1:A:206:TYR:CG	2.45	0.52
1:B:35:VAL:HG22	1:B:92:LEU:CD2	2.39	0.51
1:A:207:MET:HE1	1:A:220:TYR:HD2	1.76	0.51
1:C:35:VAL:HG22	1:C:92:LEU:CD2	2.41	0.51
1:D:226:LYS:HE3	4:D:430:HOH:O	2.11	0.51
1:A:140:PRO:HB2	1:D:69:ILE:HG23	1.93	0.50
1:A:207:MET:HE1	1:A:220:TYR:CD2	2.47	0.50
1:D:154:THR:HG22	1:D:156:PRO:HD2	1.93	0.50
1:C:164:ASN:HB3	1:C:174:ILE:HD11	1.94	0.49
1:B:154:THR:HG22	1:B:156:PRO:HD2	1.93	0.49
1:C:176:ARG:HG2	3:C:303:IPA:H33	1.96	0.48
1:D:51:TYR:CE1	1:D:55:SER:CB	2.96	0.47
1:D:164:ASN:OD1	1:D:164:ASN:C	2.57	0.47
1:B:166:ARG:HD3	4:B:477:HOH:O	2.15	0.47
1:A:23:ARG:NH1	1:A:72:LYS:HD3	2.28	0.47
1:D:35:VAL:HG12	4:D:350:HOH:O	2.13	0.47
1:A:166:ARG:HH11	1:A:166:ARG:HG2	1.80	0.47
1:A:39:GLN:HB2	1:A:49:LEU:HD11	1.98	0.46
1:A:51:TYR:CZ	1:A:229:GLN:HG3	2.51	0.46
1:B:197:THR:OG1	1:C:137:LEU:HD12	2.14	0.46
1:B:144:VAL:HG22	1:B:212:LEU:HD11	1.97	0.46
1:B:177:ILE:HD13	1:B:198:VAL:HG13	1.98	0.46
1:D:59:GLY:HA3	4:D:390:HOH:O	2.15	0.46
1:D:165:GLN:HB2	1:D:171:LEU:HD23	1.99	0.45
1:D:207:MET:HE1	1:D:220:TYR:CD2	2.52	0.45
1:A:51:TYR:CE1	1:A:229:GLN:HG3	2.52	0.45
1:B:23:ARG:HH11	1:B:23:ARG:CG	2.31	0.44
1:C:184:THR:O	1:C:185:ARG:HD3	2.18	0.44
1:A:69:ILE:HD12	1:A:74:ALA:CB	2.48	0.44
1:D:51:TYR:CD1	1:D:55:SER:HB2	2.53	0.43
1:A:35:VAL:HG12	4:A:368:HOH:O	2.17	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:23:ARG:NH1	1:A:72:LYS:CD	2.82	0.43
1:A:140:PRO:O	1:D:70:GLY:HA3	2.19	0.43
1:D:41:LYS:HE2	1:D:83:GLU:O	2.19	0.42
1:D:51:TYR:CD1	1:D:51:TYR:C	2.97	0.42
1:C:23:ARG:NH2	1:C:72:LYS:HD3	2.35	0.42
1:C:35:VAL:HG22	1:C:92:LEU:HD23	2.02	0.42
1:A:35:VAL:HA	1:A:91:THR:O	2.19	0.42
1:B:93:TRP:CH2	3:B:302:IPA:H2	2.53	0.42
1:D:169:ARG:HA	1:D:169:ARG:HD3	1.89	0.42
1:A:154:THR:HG21	1:A:157:TYR:CD2	2.55	0.41
1:D:189:LYS:HE2	1:D:189:LYS:HB3	1.75	0.41
1:A:185:ARG:HB3	4:A:413:HOH:O	2.20	0.41
1:C:180:ASN:ND2	4:C:405:HOH:O	2.52	0.41
1:D:6:GLN:HB3	4:D:314:HOH:O	2.21	0.41
1:C:61:PRO:CD	2:C:301:GOL:H31	2.50	0.41
1:D:11:THR:HG23	1:D:107:THR:HB	2.03	0.41
1:C:4:VAL:HG22	1:C:92:LEU:HD12	2.02	0.41
1:B:165:GLN:HG2	1:B:221:TYR:HE2	1.86	0.41
1:B:166:ARG:HG3	1:B:218:ALA:HB2	2.02	0.41
1:C:35:VAL:HG21	1:C:73:ALA:HB2	2.03	0.41
1:D:145:LYS:HE2	1:D:206:TYR:CG	2.56	0.41
1:A:127:GLN:OE1	1:A:128:VAL:N	2.54	0.40
1:D:35:VAL:HA	1:D:91:THR:O	2.21	0.40
1:A:35:VAL:CG1	1:A:53:THR:HA	2.52	0.40
1:C:91:THR:HG22	1:C:100:PHE:CD2	2.56	0.40
1:D:35:VAL:CG1	1:D:53:THR:HA	2.52	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	224/247 (91%)	215 (96%)	9 (4%)	0	100	100
1	B	225/247 (91%)	219 (97%)	6 (3%)	0	100	100
1	C	225/247 (91%)	214 (95%)	11 (5%)	0	100	100
1	D	224/247 (91%)	217 (97%)	7 (3%)	0	100	100
All	All	898/988 (91%)	865 (96%)	33 (4%)	0	100	100

There are no Ramachandran outliers to report.

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	188/193 (97%)	188 (100%)	0	100	100
1	B	189/193 (98%)	189 (100%)	0	100	100
1	C	189/193 (98%)	189 (100%)	0	100	100
1	D	188/193 (97%)	185 (98%)	3 (2%)	55	62
All	All	754/772 (98%)	751 (100%)	3 (0%)	84	89

All (3) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	D	47	THR
1	D	81	GLN
1	D	131	GLN

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

Mol	Chain	Res	Type
1	A	81	GLN
1	A	229	GLN
1	B	1	GLN
1	B	165	GLN

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Mol	Chain	Res	Type
1	B	180	ASN
1	B	208	GLN
1	C	131	GLN
1	C	180	ASN
1	D	96	ASN
1	D	180	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 oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

5 ligands are modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
2	GOL	C	302	-	5,5,5	0.21	0	5,5,5	1.55	1 (20%)
2	GOL	C	301	-	5,5,5	0.61	0	5,5,5	0.79	0
2	GOL	B	301	-	5,5,5	0.33	0	5,5,5	0.92	0
3	IPA	C	303	-	3,3,3	0.72	0	3,3,3	1.35	1 (33%)
3	IPA	B	302	-	3,3,3	0.15	0	3,3,3	0.42	0

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	GOL	B	301	-	-	0/4/4/4	-
2	GOL	C	302	-	-	2/4/4/4	-
2	GOL	C	301	-	-	1/4/4/4	-

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	302	GOL	C3-C2-C1	-3.22	99.97	111.80
3	C	303	IPA	O2-C2-C1	-2.23	95.99	110.28

There are no chirality outliers.

All (3) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	C	302	GOL	O1-C1-C2-C3
2	C	302	GOL	O1-C1-C2-O2
2	C	301	GOL	O2-C2-C3-O3

There are no ring outliers.

3 monomers are involved in 4 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	C	301	GOL	1	0
3	C	303	IPA	2	0
3	B	302	IPA	1	0

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 ⓘ

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	228/247 (92%)	0.10	5 (2%) 62 61	20, 31, 50, 78	0
1	B	228/247 (92%)	0.09	6 (2%) 57 56	16, 31, 53, 76	1 (0%)
1	C	228/247 (92%)	-0.03	6 (2%) 57 56	16, 29, 44, 77	1 (0%)
1	D	228/247 (92%)	0.22	6 (2%) 57 56	19, 33, 57, 78	0
All	All	912/988 (92%)	0.10	23 (2%) 58 58	16, 31, 53, 78	2 (0%)

All (23) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	D	94	TYR	3.2
1	B	94	TYR	3.1
1	B	181	GLY	3.1
1	A	94	TYR	2.8
1	D	244	SER	2.8
1	B	182	GLY	2.6
1	A	181	GLY	2.6
1	C	244	SER	2.5
1	C	110	GLY	2.5
1	A	43	ASP	2.4
1	B	167	PRO	2.4
1	B	110	GLY	2.4
1	A	44	HIS	2.4
1	D	69	ILE	2.4
1	D	110	GLY	2.4
1	C	97[A]	HIS	2.3
1	D	109	LEU	2.3
1	D	168	GLY	2.3
1	B	244	SER	2.2
1	C	95	SER	2.2
1	A	182	GLY	2.1

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Mol	Chain	Res	Type	RSRZ
1	C	137	LEU	2.0
1	C	181	GLY	2.0

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

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

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q < 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
3	IPA	B	302	4/4	0.76	0.18	20,27,42,44	0
2	GOL	C	302	6/6	0.83	0.13	29,46,47,55	0
2	GOL	C	301	6/6	0.83	0.12	36,41,52,55	0
2	GOL	B	301	6/6	0.86	0.13	27,48,54,55	0
3	IPA	C	303	4/4	0.95	0.13	20,20,34,34	0

6.5 Other polymers [i](#)

There are no such residues in this entry.