



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 18, 2026 – 12:28 AM UTC

PDB ID : 6VRQ / pdb_00006vrq
Title : Crystal structure of gl12A21 Fab in complex with anti-idiotypic iv12 Fab
Authors : Aljedani, S.S.; Weidle, C.; Pancera, M.
Deposited on : 2020-02-08
Resolution : 2.57 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)
Xtrriage (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

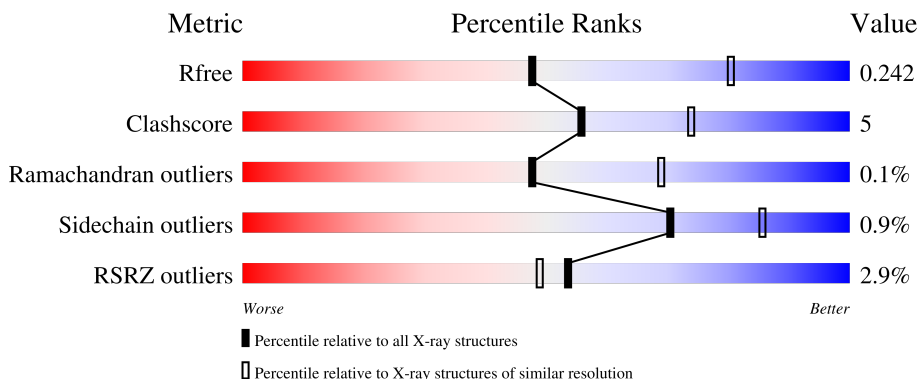
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION



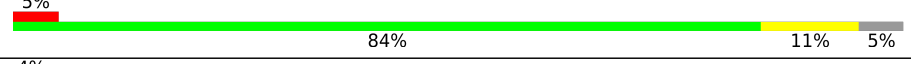

The reported resolution of this entry is 2.57 Å.

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	4770 (2.60-2.56)
Clashscore	190562	5124 (2.60-2.56)
Ramachandran outliers	187476	5046 (2.60-2.56)
Sidechain outliers	187428	5046 (2.60-2.56)
RSRZ outliers	180081	4770 (2.60-2.56)

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	H	224	 83% 13% .
2	L	214	 87% 11% ..
3	A	234	 84% 11% 5%
4	B	210	 86% 12% .

2 Entry composition [i](#)

There are 9 unique types of molecules in this entry. The entry contains 12954 atoms, of which 6145 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 iv12 Fab Heavy Chain.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
1	H	215	3194	1029	1575	267	317	6	0	1	0

- Molecule 2 is a protein called iv12 Fab Light Chain.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
2	L	212	3056	987	1473	268	322	6	0	2	0

- Molecule 3 is a protein called gl12A21 Fab Heavy Chain.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
3	A	222	3188	1033	1547	283	317	8	0	1	0

- Molecule 4 is a protein called gl12A21 Fab Light Chain.

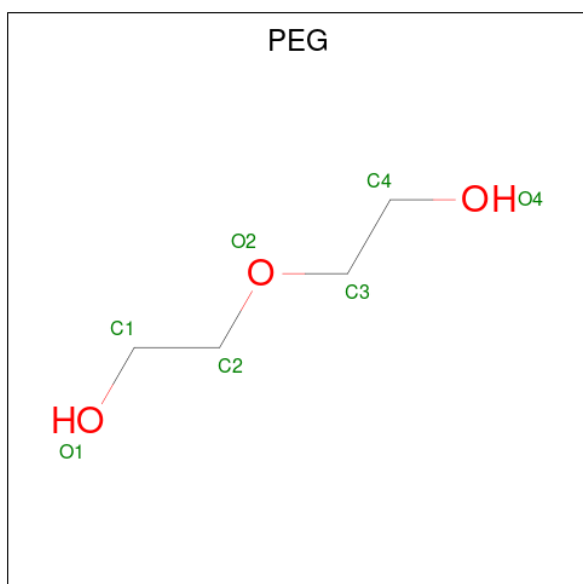
Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
4	B	207	3057	985	1480	259	328	5	0	4	0

- Molecule 5 is 1,2-ETHANEDIOL (CCD ID: EDO) (formula: C₂H₆O₂).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
			Total	C	H	O		
5	H	1	10	2	6	2	0	0
5	H	1	10	2	6	2	0	0
5	A	1	10	2	6	2	0	0
5	A	1	10	2	6	2	0	0
5	B	1	10	2	6	2	0	0

- Molecule 6 is DI(HYDROXYETHYL)ETHER (CCD ID: PEG) (formula: $C_4H_{10}O_3$).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
6	H	1	Total	C	H	O	0	0
			17	4	10	3		
6	L	1	Total	C	H	O	0	0
			17	4	10	3		
6	A	1	Total	C	H	O	0	0
			17	4	10	3		
6	A	1	Total	C	H	O	0	0
			17	4	10	3		

- Molecule 7 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
7	L	1	Total	K	0	0
			1	1		
7	A	2	Total	K	0	0
			2	2		
7	B	2	Total	K	0	0
			2	2		

- Molecule 8 is CHLORIDE ION (CCD ID: CL) (formula: Cl).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
8	A	4	Total	Cl	0	0
			4	4		

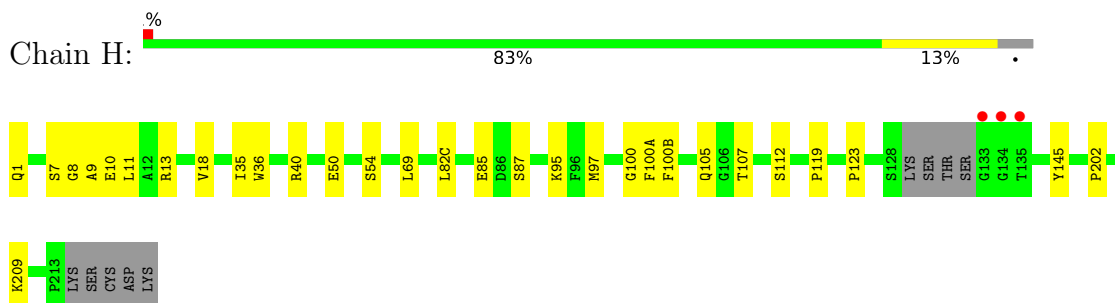
- Molecule 9 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
9	H	79	Total	O	0	0
			79	79		
9	L	72	Total	O	0	0
			72	72		
9	A	97	Total	O	0	0
			97	97		
9	B	84	Total	O	0	0
			84	84		

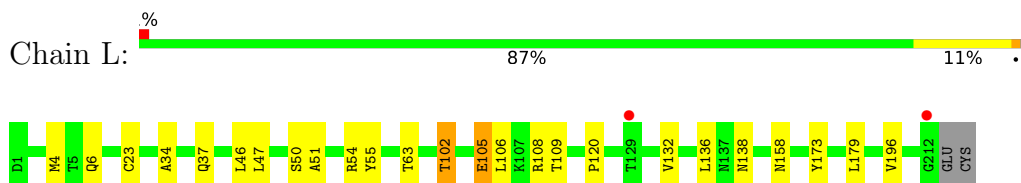
3 Residue-property plots

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 and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). 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.

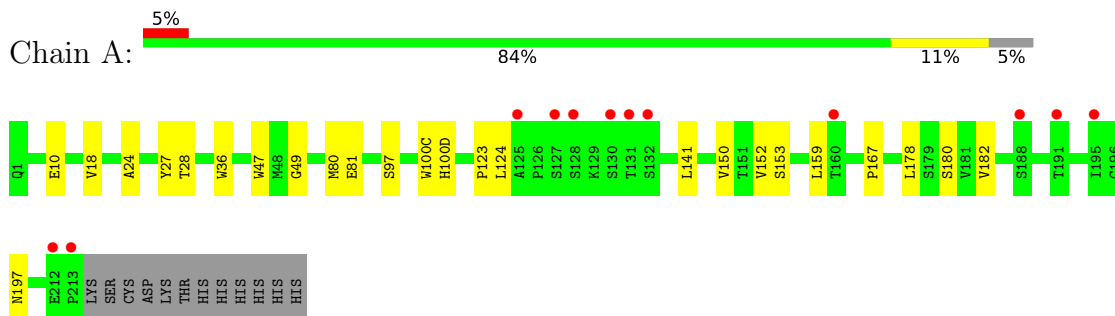
- Molecule 1: iv12 Fab Heavy Chain



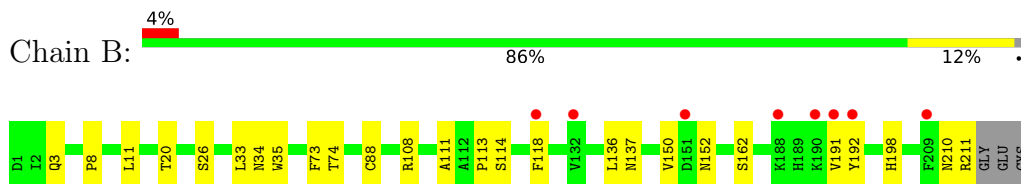
- Molecule 2: iv12 Fab Light Chain



- Molecule 3: gl12A21 Fab Heavy Chain



- Molecule 4: gl12A21 Fab Light Chain



4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	81.17Å 202.86Å 72.34Å 90.00° 93.01° 90.00°	Depositor
Resolution (Å)	36.12 – 2.57 36.12 – 2.57	Depositor EDS
% Data completeness (in resolution range)	93.0 (36.12-2.57) 92.9 (36.12-2.57)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.55 (at 2.58Å)	Xtrriage
Refinement program	PHENIX 1.17.1_3660	Depositor
R, R_{free}	0.189 , 0.241 0.188 , 0.242	Depositor DCC
R_{free} test set	1764 reflections (4.78%)	wwPDB-VP
Wilson B-factor (Å ²)	41.8	Xtrriage
Anisotropy	0.038	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 40.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.34$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	12954	wwPDB-VP
Average B, all atoms (Å ²)	49.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.41% 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: EDO, CL, K, PEG

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	H	0.26	0/1663	0.39	0/2264
2	L	0.23	0/1623	0.40	0/2216
3	A	0.31	0/1689	0.47	0/2311
4	B	0.24	0/1624	0.42	0/2214
All	All	0.26	0/6599	0.42	0/9005

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	H	1619	1575	1575	15	1
2	L	1583	1473	1467	15	0
3	A	1641	1547	1546	18	0
4	B	1577	1480	1467	16	1
5	A	8	12	12	0	0
5	B	4	6	6	0	0
5	H	8	12	12	0	0
6	A	14	20	20	0	0
6	H	7	10	10	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
6	L	7	10	10	0	0
7	A	2	0	0	0	0
7	B	2	0	0	0	0
7	L	1	0	0	0	0
8	A	4	0	0	0	0
9	A	97	0	0	1	0
9	B	84	0	0	0	0
9	H	79	0	0	0	0
9	L	72	0	0	0	0
All	All	6809	6145	6125	59	1

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 5.

All (59) 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:H:18:VAL:HG23	1:H:82(C):LEU:HD11	1.58	0.83
3:A:10:GLU:OE1	9:A:401:HOH:O	2.04	0.74
1:H:123:PRO:HD3	1:H:209:LYS:HE2	1.73	0.70
1:H:97:MET:HE1	3:A:28:THR:HG21	1.73	0.69
4:B:108:ARG:NH2	4:B:111:ALA:HB2	2.09	0.67
2:L:158[B]:ASN:ND2	2:L:179:LEU:HD11	2.16	0.60
1:H:35:ILE:HD13	1:H:100(B):PHE:CZ	2.36	0.60
4:B:20:THR:HG22	4:B:74:THR:OG1	2.03	0.59
4:B:33:LEU:HD11	4:B:88:CYS:HB2	1.85	0.58
3:A:159:LEU:HD21	3:A:182:VAL:HG21	1.84	0.58
3:A:124:LEU:HD11	3:A:141:LEU:HB2	1.85	0.57
2:L:105:GLU:HG3	2:L:173:TYR:HH	1.70	0.57
2:L:37:GLN:HB2	2:L:47:LEU:HD11	1.88	0.56
3:A:150:VAL:HG22	3:A:178:LEU:HD21	1.88	0.55
1:H:50:GLU:OE2	1:H:95:LYS:HD2	2.07	0.55
1:H:36:TRP:CD1	1:H:69:LEU:HD22	2.44	0.53
2:L:105:GLU:HG3	2:L:173:TYR:OH	2.09	0.53
3:A:178:LEU:C	3:A:178:LEU:HD12	2.35	0.52
2:L:105:GLU:HG2	2:L:106:LEU:N	2.25	0.52
2:L:136:LEU:HD21	2:L:196:VAL:HG13	1.92	0.52
3:A:153:SER:HB2	3:A:197:ASN:HB2	1.92	0.52
3:A:150:VAL:CG2	3:A:178:LEU:HD21	2.41	0.50
2:L:4:MET:HE3	2:L:23:CYS:SG	2.52	0.50
2:L:120:PRO:HD3	2:L:132:VAL:HG22	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:L:6:GLN:NE2	2:L:102:THR:HG23	2.28	0.49
2:L:46:LEU:HD23	2:L:55:TYR:CD1	2.47	0.48
4:B:35:TRP:CE2	4:B:73:PHE:HB2	2.48	0.48
4:B:136:LEU:HD12	4:B:136:LEU:N	2.27	0.48
1:H:11:LEU:HD21	1:H:13:ARG:NH2	2.29	0.47
4:B:113:PRO:HD3	4:B:198:HIS:ND1	2.30	0.47
2:L:108:ARG:HH21	2:L:109:THR:HG23	1.79	0.47
3:A:152:VAL:HG11	3:A:180:SER:CB	2.45	0.46
4:B:20:THR:HG22	4:B:74:THR:HG23	1.98	0.46
4:B:210:ASN:O	4:B:211:ARG:HB2	2.16	0.46
1:H:40:ARG:NH1	1:H:87:SER:O	2.49	0.46
1:H:7:SER:O	1:H:107:THR:OG1	2.34	0.45
2:L:50:SER:O	2:L:51:ALA:HB3	2.15	0.45
3:A:24:ALA:HB1	3:A:27:TYR:CE1	2.52	0.45
1:H:1:GLN:O	1:H:1:GLN:HG2	2.16	0.45
4:B:114:SER:HB2	4:B:137:ASN:HB3	1.98	0.45
1:H:8:GLY:O	1:H:9:ALA:C	2.59	0.44
3:A:100(C):TRP:O	4:B:34:ASN:ND2	2.50	0.44
1:H:100(A):PHE:CD1	2:L:34:ALA:HB2	2.53	0.43
3:A:124:LEU:HB3	4:B:118:PHE:CD2	2.53	0.43
1:H:119:PRO:HB3	1:H:145:TYR:HB3	2.01	0.43
3:A:36:TRP:CE2	3:A:80:MET:HB2	2.54	0.42
4:B:8:PRO:HG2	4:B:11:LEU:HD23	2.00	0.42
2:L:54:ARG:NH2	2:L:63:THR:HG22	2.35	0.42
3:A:47:TRP:CZ2	3:A:49:GLY:HA2	2.54	0.42
4:B:3:GLN:H	4:B:26:SER:HB3	1.85	0.42
4:B:150:VAL:HG23	4:B:192:TYR:CE1	2.55	0.42
1:H:100:GLY:O	1:H:100(A):PHE:HB2	2.20	0.41
3:A:167:PRO:HG2	4:B:162:SER:OG	2.20	0.41
1:H:13:ARG:NH2	1:H:112:SER:O	2.49	0.41
2:L:108:ARG:NH2	2:L:109:THR:HG23	2.36	0.41
3:A:97:SER:HB2	3:A:100(D):HIS:CD2	2.56	0.41
3:A:123:PRO:C	3:A:124:LEU:HD12	2.46	0.41
3:A:18:VAL:O	3:A:81:GLU:HA	2.22	0.40
4:B:150:VAL:O	4:B:191:VAL:O	2.40	0.40

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:202:PRO:O	4:B:152:ASN:ND2[4_355]	2.09	0.11

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	H	212/224 (95%)	201 (95%)	11 (5%)	0	100	100
2	L	212/214 (99%)	201 (95%)	10 (5%)	1 (0%)	24	44
3	A	221/234 (94%)	211 (96%)	10 (4%)	0	100	100
4	B	209/210 (100%)	202 (97%)	7 (3%)	0	100	100
All	All	854/882 (97%)	815 (95%)	38 (4%)	1 (0%)	48	69

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	L	138	ASN

5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all 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	H	178/188 (95%)	174 (98%)	4 (2%)	45	70
2	L	173/188 (92%)	171 (99%)	2 (1%)	63	82
3	A	174/198 (88%)	174 (100%)	0	100	100
4	B	177/185 (96%)	177 (100%)	0	100	100
All	All	702/759 (92%)	696 (99%)	6 (1%)	70	85

All (6) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	H	10	GLU
1	H	54	SER
1	H	85	GLU
1	H	105	GLN
2	L	102	THR
2	L	105	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

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](#)

Of 18 ligands modelled in this entry, 9 are monoatomic - leaving 9 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
6	PEG	A	310	-	6,6,6	0.49	0	5,5,5	0.31	0
6	PEG	L	502	-	6,6,6	0.51	0	5,5,5	0.40	0
5	EDO	A	306	-	3,3,3	0.44	0	2,2,2	0.54	0
5	EDO	H	302	-	3,3,3	0.50	0	2,2,2	0.30	0
6	PEG	A	309	-	6,6,6	0.51	0	5,5,5	0.22	0
6	PEG	H	303	-	6,6,6	0.50	0	5,5,5	0.27	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
5	EDO	A	305	-	3,3,3	0.45	0	2,2,2	0.45	0
5	EDO	B	501	-	3,3,3	0.50	0	2,2,2	0.36	0
5	EDO	H	301	-	3,3,3	0.53	0	2,2,2	0.36	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
6	PEG	A	310	-	-	0/4/4/4	-
6	PEG	L	502	-	-	1/4/4/4	-
5	EDO	A	306	-	-	1/1/1/1	-
5	EDO	H	302	-	-	0/1/1/1	-
6	PEG	A	309	-	-	0/4/4/4	-
6	PEG	H	303	-	-	1/4/4/4	-
5	EDO	A	305	-	-	1/1/1/1	-
5	EDO	B	501	-	-	0/1/1/1	-
5	EDO	H	301	-	-	0/1/1/1	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (4) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
5	A	305	EDO	O1-C1-C2-O2
6	H	303	PEG	C4-C3-O2-C2
6	L	502	PEG	C1-C2-O2-C3
5	A	306	EDO	O1-C1-C2-O2

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

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

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	H	215/224 (95%)	-0.10	3 (1%) 73 70	26, 48, 71, 91	1 (0%)
2	L	212/214 (99%)	-0.05	2 (0%) 81 79	26, 48, 74, 83	1 (0%)
3	A	222/234 (94%)	0.06	12 (5%) 31 27	19, 43, 91, 113	1 (0%)
4	B	207/210 (98%)	0.07	8 (3%) 43 39	26, 45, 81, 98	2 (0%)
All	All	856/882 (97%)	-0.00	25 (2%) 53 49	19, 47, 80, 113	5 (0%)

All (25) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
3	A	127	SER	5.6
3	A	128	SER	5.5
3	A	213	PRO	3.9
3	A	132	SER	3.8
3	A	130	SER	3.6
4	B	192	TYR	3.5
4	B	151	ASP	3.4
3	A	212	GLU	3.2
1	H	133	GLY	3.2
3	A	191	THR	3.0
3	A	125	ALA	3.0
2	L	212	GLY	2.9
2	L	129	THR	2.8
4	B	191	VAL	2.7
3	A	195	ILE	2.5
4	B	209	PHE	2.4
3	A	160	THR	2.4
4	B	190	LYS	2.3
1	H	134	GLY	2.2
3	A	188	SER	2.2
1	H	135	THR	2.2

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Mol	Chain	Res	Type	RSRZ
3	A	131	THR	2.2
4	B	188	LYS	2.1
4	B	118	PHE	2.0
4	B	132	VAL	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(Å ²)	Q<0.9
6	PEG	L	502	7/7	0.76	0.18	50,64,76,76	0
8	CL	A	304	1/1	0.78	0.09	80,80,80,80	0
6	PEG	A	309	7/7	0.82	0.18	43,60,72,72	0
5	EDO	A	305	4/4	0.83	0.16	45,54,58,58	0
6	PEG	A	310	7/7	0.86	0.13	42,54,66,66	0
7	K	L	501	1/1	0.86	0.14	80,80,80,80	0
5	EDO	H	301	4/4	0.86	0.15	47,57,62,69	0
7	K	B	503	1/1	0.87	0.11	86,86,86,86	0
6	PEG	H	303	7/7	0.87	0.16	57,69,79,79	0
5	EDO	B	501	4/4	0.92	0.11	39,55,66,69	0
8	CL	A	301	1/1	0.93	0.16	63,63,63,63	0
8	CL	A	303	1/1	0.93	0.12	71,71,71,71	0
5	EDO	A	306	4/4	0.93	0.13	23,45,48,54	0
5	EDO	H	302	4/4	0.94	0.10	44,54,60,63	0
7	K	B	502	1/1	0.94	0.16	71,71,71,71	0
7	K	A	308	1/1	0.97	0.06	45,45,45,45	0
7	K	A	307	1/1	0.98	0.13	46,46,46,46	0
8	CL	A	302	1/1	1.00	0.02	37,37,37,37	0

6.5 Other polymers [i](#)

There are no such residues in this entry.