



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 9, 2026 – 01:41 AM UTC

PDB ID : 6PUN / pdb_00006pun
Title : Crystal structure of a ternary complex of FBF-2 with LST-1 (site B) and compact FBE RNA
Authors : Qiu, C.; Campbell, Z.T.; Hall, T.M.T.
Deposited on : 2019-07-18
Resolution : 2.10 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

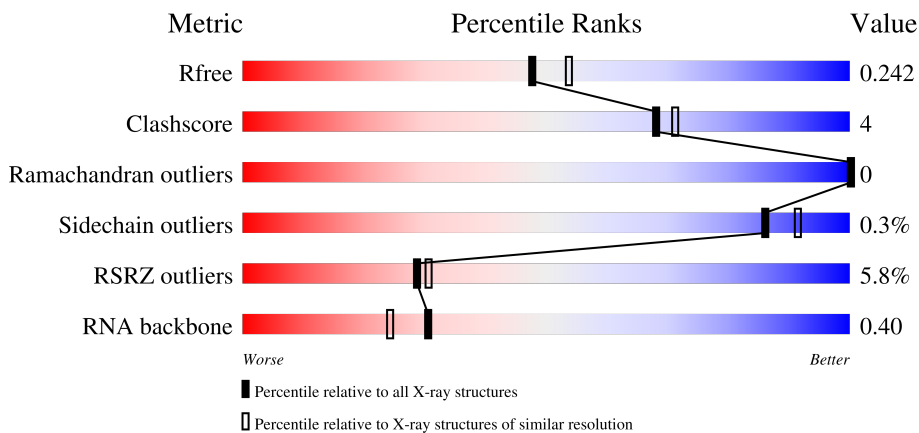
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.10 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.




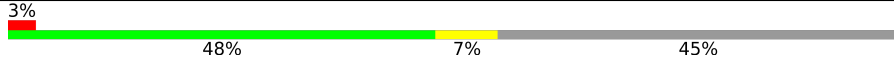
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	6658 (2.10-2.10)
Clashscore	190562	7164 (2.10-2.10)
Ramachandran outliers	187476	7099 (2.10-2.10)
Sidechain outliers	187428	7100 (2.10-2.10)
RSRZ outliers	180081	6662 (2.10-2.10)
RNA backbone	3983	1006 (2.42-1.78)

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	413	 4% 88% 8%
1	C	413	 7% 85% 8% 6%
2	B	8	 75% 25%
2	D	8	 62% 25% 12%

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Mol	Chain	Length	Quality of chain
3	E	29	
3	F	29	

2 Entry composition i

There are 7 unique types of molecules in this entry. The entry contains 7020 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 Fem-3 mRNA-binding factor 2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	396	3157	1989	552	590	26	0	1	0
1	C	388	3091	1949	539	576	27	0	1	0

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	163	GLY	-	expression tag	UNP Q09312
C	163	GLY	-	expression tag	UNP Q09312

- Molecule 2 is a RNA chain called RNA (5'-R(*CP*UP*GP*UP*GP*AP*AP*U)-3').

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
2	B	8	167	76	29	55	7	0	0	0
2	D	7	150	67	26	50	7	0	0	0

- Molecule 3 is a protein called LST-1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
3	E	15	131	84	25	22	0	0	0
3	F	16	135	86	26	23	0	0	0

There are 8 discrepancies between the modelled and reference sequences:

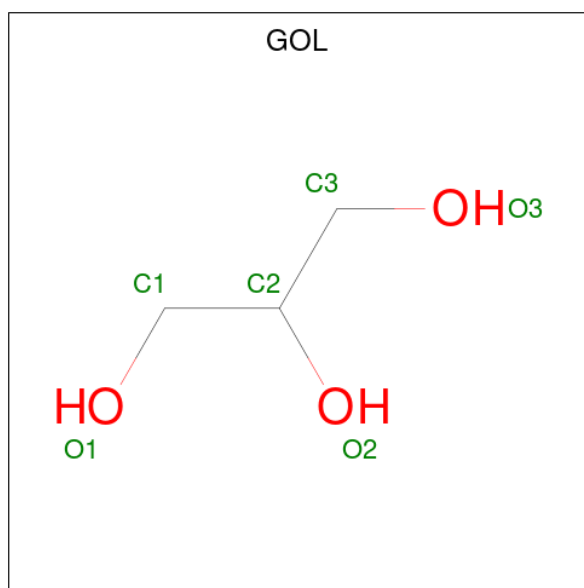
Chain	Residue	Modelled	Actual	Comment	Reference
E	70	GLY	-	expression tag	UNP Q86RT0
E	71	SER	-	expression tag	UNP Q86RT0

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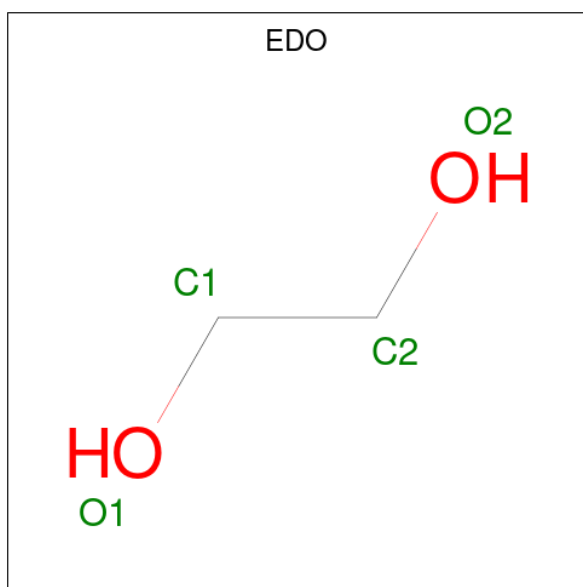
Chain	Residue	Modelled	Actual	Comment	Reference
E	72	ASN	-	expression tag	UNP Q86RT0
E	73	SER	-	expression tag	UNP Q86RT0
F	70	GLY	-	expression tag	UNP Q86RT0
F	71	SER	-	expression tag	UNP Q86RT0
F	72	ASN	-	expression tag	UNP Q86RT0
F	73	SER	-	expression tag	UNP Q86RT0

- Molecule 4 is GLYCEROL (CCD ID: GOL) (formula: C₃H₈O₃).



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

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



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	A	1	Total C O 4 2 2	0	0
5	A	1	Total C O 4 2 2	0	0
5	A	1	Total C O 4 2 2	0	0
5	C	1	Total C O 4 2 2	0	0

- Molecule 6 is SODIUM ION (CCD ID: NA) (formula: Na).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
6	B	1	Total Na 1 1	0	0

- Molecule 7 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
7	A	81	Total O 81 81	0	0
7	B	3	Total O 3 3	0	0
7	C	71	Total O 71 71	0	0
7	D	7	Total O 7 7	0	0

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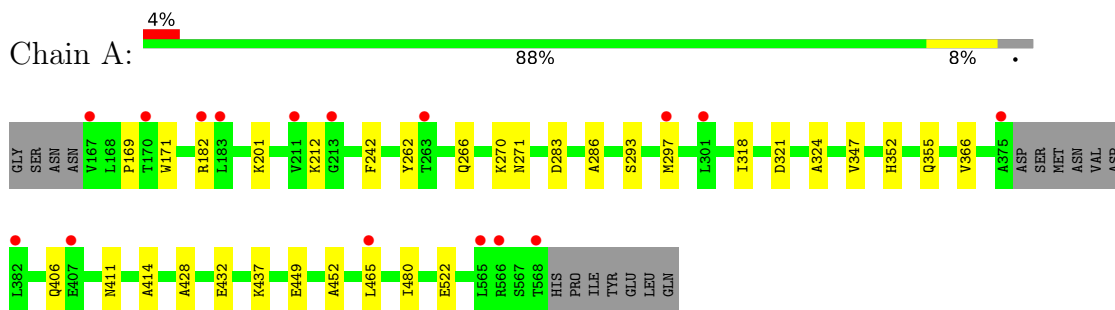
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
7	E	1	Total O 1 1	0	0
7	F	3	Total O 3 3	0	0

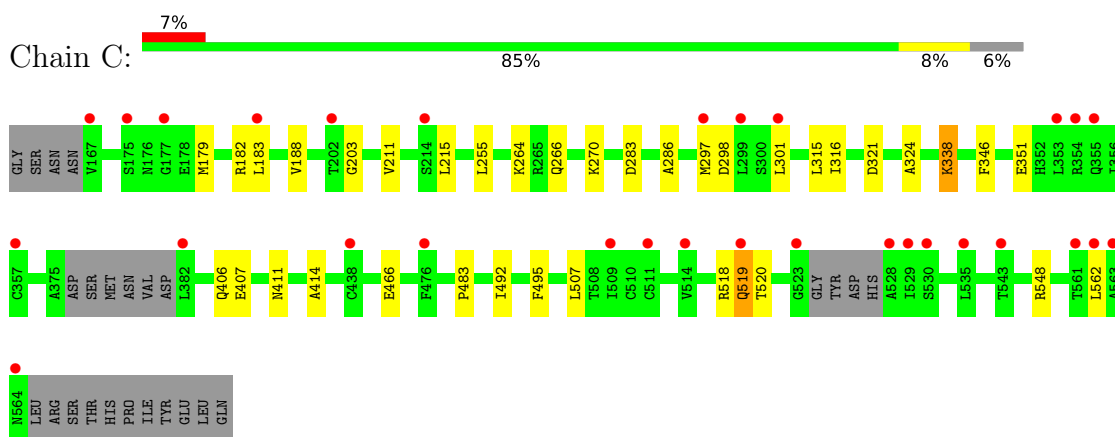
3 Residue-property plots [i](#)

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 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.

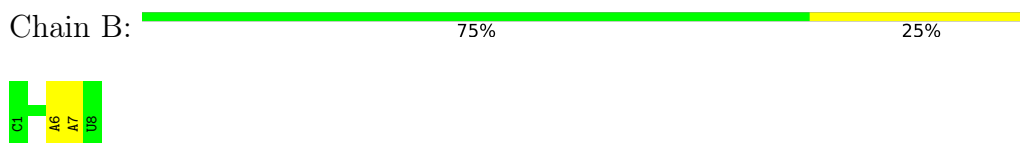
- Molecule 1: Fem-3 mRNA-binding factor 2



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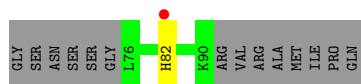
- Molecule 2: RNA (5'-R(*CP*UP*GP*UP*GP*AP*AP*U)-3')



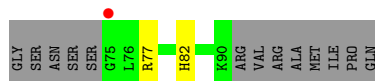
- Molecule 2: RNA (5'-R(*CP*UP*GP*UP*GP*AP*AP*U)-3')



● Molecule 3: LST-1



● Molecule 3: LST-1



4 Data and refinement statistics

Property	Value	Source
Space group	P 1	Depositor
Cell constants a, b, c, α , β , γ	42.75Å 74.38Å 81.55Å 107.17° 104.40° 101.76°	Depositor
Resolution (Å)	42.69 – 2.10 42.69 – 2.10	Depositor EDS
% Data completeness (in resolution range)	96.6 (42.69-2.10) 91.6 (42.69-2.10)	Depositor EDS
R_{merge}	0.11	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.42 (at 2.10Å)	Xtrriage
Refinement program	PHENIX 1.13_2998	Depositor
R, R_{free}	0.198 , 0.240 0.200 , 0.242	Depositor DCC
R_{free} test set	2000 reflections (3.99%)	wwPDB-VP
Wilson B-factor (Å ²)	39.2	Xtrriage
Anisotropy	0.159	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 36.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.96	EDS
Total number of atoms	7020	wwPDB-VP
Average B, all atoms (Å ²)	54.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.00% 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, NA, GOL

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	0.09	0/3205	0.24	0/4317
1	C	0.10	0/3136	0.27	0/4222
2	B	0.07	0/186	0.22	0/288
2	D	0.07	0/167	0.19	0/258
3	E	0.07	0/132	0.23	0/174
3	F	0.10	0/136	0.29	0/179
All	All	0.09	0/6962	0.25	0/9438

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	3157	0	3193	19	0
1	C	3091	0	3133	29	0
2	B	167	0	87	0	0
2	D	150	0	75	0	0
3	E	131	0	143	2	0
3	F	135	0	146	3	0
4	A	6	0	8	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
5	A	12	0	18	0	0
5	C	4	0	6	0	0
6	B	1	0	0	0	0
7	A	81	0	0	0	0
7	B	3	0	0	0	0
7	C	71	0	0	0	0
7	D	7	0	0	0	0
7	E	1	0	0	0	0
7	F	3	0	0	0	0
All	All	7020	0	6809	49	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 4.

All (49) 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:C:338:LYS:HD2	1:C:338:LYS:H	1.47	0.80
1:C:179:MET:HE1	1:C:203:GLY:HA2	1.81	0.62
1:C:183:LEU:HD11	1:C:188:VAL:HG23	1.87	0.57
1:A:182:ARG:O	1:A:182:ARG:HD3	2.05	0.57
1:C:406:GLN:NE2	1:C:407:GLU:OE1	2.35	0.56
1:C:297:MET:HE3	1:C:301:LEU:HD12	1.86	0.56
1:C:266:GLN:NE2	1:C:266:GLN:HA	2.22	0.53
1:C:492:ILE:O	3:F:77:ARG:NH2	2.40	0.53
1:C:264:LYS:HD2	1:C:264:LYS:H	1.75	0.52
1:C:411:ASN:HB3	1:C:414:ALA:HB3	1.92	0.52
1:A:480:ILE:HG21	1:C:483:PRO:HG3	1.92	0.51
1:C:301:LEU:H	1:C:301:LEU:HD23	1.75	0.51
1:C:519:GLN:HE21	1:C:519:GLN:HA	1.76	0.51
1:C:351:GLU:OE1	1:C:351:GLU:N	2.43	0.50
1:A:428:ALA:O	1:A:432:GLU:HG3	2.12	0.49
1:A:449:GLU:HB2	1:A:452:ALA:HB3	1.95	0.48
1:C:316:ILE:HD13	1:C:346:PHE:HE1	1.78	0.48
1:C:283:ASP:HB3	1:C:286:ALA:HB3	1.95	0.48
1:A:352:HIS:HA	1:A:355:GLN:HE21	1.79	0.47
1:A:293:SER:O	1:A:297:MET:HG3	2.14	0.47
3:E:82:HIS:CE1	3:F:82:HIS:HB2	2.50	0.47
1:A:283:ASP:HB3	1:A:286:ALA:HB3	1.96	0.47
1:C:321:ASP:HB3	1:C:324:ALA:HB3	1.97	0.47
1:C:495:PHE:CE1	1:C:548:ARG:HG2	2.50	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:ARG:N	1:C:182:ARG:HE	2.13	0.46
3:E:82:HIS:NE2	3:F:82:HIS:HB2	2.30	0.46
1:A:318:ILE:HG23	1:A:324:ALA:HB1	1.97	0.46
1:C:507:LEU:HD21	1:C:562:LEU:HG	1.98	0.46
1:C:338:LYS:H	1:C:338:LYS:CD	2.21	0.45
1:A:262:TYR:O	1:A:266:GLN:HG2	2.17	0.45
1:C:255:LEU:HD11	1:C:297:MET:HG3	1.97	0.45
1:A:321:ASP:HB3	1:A:324:ALA:HB3	1.99	0.45
1:A:411:ASN:HB3	1:A:414:ALA:HB3	1.98	0.44
1:A:270:LYS:NZ	1:A:271:ASN:OD1	2.48	0.44
1:C:211:VAL:HA	1:C:215:LEU:HD21	1.99	0.44
1:C:315:LEU:HD23	1:C:346:PHE:CG	2.53	0.43
1:A:201:LYS:HD3	1:A:242:PHE:CE1	2.52	0.43
1:A:347:VAL:HG11	1:A:366:VAL:HG22	2.01	0.43
1:C:298:ASP:HB2	1:C:301:LEU:HD21	2.00	0.43
1:C:519:GLN:NE2	1:C:520:THR:H	2.16	0.43
1:C:466:GLU:CD	1:C:466:GLU:H	2.28	0.42
1:A:169:PRO:HB2	1:A:171:TRP:CD1	2.55	0.42
1:C:270:LYS:HB3	1:C:270:LYS:HE3	1.87	0.41
1:C:518:ARG:HE	1:C:518:ARG:HB2	1.73	0.41
1:C:297:MET:HB3	1:C:301:LEU:HG	2.02	0.41
1:A:465:LEU:HD12	1:A:522:GLU:HB2	2.02	0.41
1:A:406:GLN:CD	1:A:406:GLN:H	2.28	0.40
1:A:437:LYS:HA	1:A:437:LYS:HD3	1.91	0.40
1:A:212:LYS:HD3	1:A:212:LYS:HA	1.78	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	393/413 (95%)	386 (98%)	7 (2%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	C	383/413 (93%)	380 (99%)	3 (1%)	0	100	100
3	E	13/29 (45%)	12 (92%)	1 (8%)	0	100	100
3	F	14/29 (48%)	12 (86%)	2 (14%)	0	100	100
All	All	803/884 (91%)	790 (98%)	13 (2%)	0	100	100

There are no Ramachandran outliers to report.

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	355/370 (96%)	355 (100%)	0	100	100
1	C	348/370 (94%)	346 (99%)	2 (1%)	78	86
3	E	15/26 (58%)	15 (100%)	0	100	100
3	F	15/26 (58%)	15 (100%)	0	100	100
All	All	733/792 (93%)	731 (100%)	2 (0%)	86	91

All (2) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	C	338	LYS
1	C	519	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (7) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	205	GLN
1	A	222	GLN
1	A	339	ASN
1	A	355	GLN
1	C	222	GLN
1	C	226	GLN

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Mol	Chain	Res	Type
1	C	419	GLN

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
2	B	7/8 (87%)	2 (28%)	0
2	D	6/8 (75%)	2 (33%)	0
All	All	13/16 (81%)	4 (30%)	0

All (4) RNA backbone outliers are listed below:

Mol	Chain	Res	Type
2	B	6	A
2	B	7	A
2	D	6	A
2	D	7	A

There are no RNA pucker outliers to report.

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 6 ligands modelled in this entry, 1 is monoatomic - leaving 5 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
5	EDO	A	602	-	3,3,3	0.43	0	2,2,2	0.39	0
5	EDO	A	603	-	3,3,3	0.43	0	2,2,2	0.34	0
5	EDO	C	601	-	3,3,3	0.43	0	2,2,2	0.39	0
5	EDO	A	604	-	3,3,3	0.42	0	2,2,2	0.36	0
4	GOL	A	601	-	5,5,5	0.92	0	5,5,5	1.09	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
5	EDO	A	602	-	-	0/1/1/1	-
5	EDO	A	603	-	-	1/1/1/1	-
5	EDO	C	601	-	-	0/1/1/1	-
5	EDO	A	604	-	-	1/1/1/1	-
4	GOL	A	601	-	-	0/4/4/4	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
5	A	604	EDO	O1-C1-C2-O2
5	A	603	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 [\(i\)](#)

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	396/413 (95%)	0.41	16 (4%) 42 44	20, 48, 77, 111	1 (0%)
1	C	388/413 (93%)	0.66	30 (7%) 19 21	19, 52, 90, 128	1 (0%)
2	B	8/8 (100%)	-0.44	0 100 100	45, 48, 55, 80	0
2	D	7/8 (87%)	-0.58	0 100 100	47, 52, 55, 70	0
3	E	15/29 (51%)	1.17	1 (6%) 24 25	56, 69, 100, 107	0
3	F	16/29 (55%)	1.57	1 (6%) 26 27	63, 78, 100, 110	0
All	All	830/900 (92%)	0.55	48 (5%) 29 30	19, 50, 85, 128	2 (0%)

All (48) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	C	382	LEU	5.0
1	A	382	LEU	4.5
1	A	167	VAL	4.2
1	C	529	ILE	3.6
3	F	75	GLY	3.5
1	C	561	THR	3.4
1	C	167	VAL	3.4
1	C	528	ALA	3.3
1	C	564	ASN	3.3
1	C	543	THR	3.2
1	C	563	ALA	3.1
1	C	523	GLY	3.0
1	A	297	MET	3.0
1	C	297	MET	3.0
1	A	568	THR	2.9
1	A	183	LEU	2.9
1	A	465	LEU	2.8
1	C	183	LEU	2.8
1	C	476	PHE	2.7

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Mol	Chain	Res	Type	RSRZ
1	C	562	LEU	2.6
1	C	438	CYS	2.6
1	C	177	GLY	2.6
1	A	375	ALA	2.6
1	C	354	ARG	2.6
1	C	530	SER	2.6
1	C	355	GLN	2.5
1	C	214	SER	2.5
1	C	514	VAL	2.4
1	A	170	THR	2.4
1	C	299	LEU	2.3
1	C	301	LEU	2.3
1	C	357	CYS	2.3
1	C	511	CYS	2.3
1	A	565	LEU	2.3
1	A	182	ARG	2.2
1	C	509	ILE	2.2
1	A	213	GLY	2.1
3	E	82	HIS	2.1
1	A	566	ARG	2.1
1	A	263	THR	2.1
1	A	211	VAL	2.1
1	C	519	GLN	2.1
1	A	301	LEU	2.1
1	C	175	SER	2.1
1	C	353	LEU	2.0
1	C	535	LEU	2.0
1	C	202	THR	2.0
1	A	407	GLU	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(\AA^2)	Q<0.9
5	EDO	A	604	4/4	0.81	0.14	76,76,76,76	0
5	EDO	A	603	4/4	0.83	0.17	73,73,74,75	0
4	GOL	A	601	6/6	0.86	0.11	69,72,72,74	0
5	EDO	A	602	4/4	0.86	0.12	49,53,57,58	0
5	EDO	C	601	4/4	0.87	0.12	56,59,61,61	0
6	NA	B	300	1/1	0.92	0.10	59,59,59,59	0

6.5 Other polymers [i](#)

There are no such residues in this entry.