



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 8, 2026 – 09:51 AM UTC

PDB ID : 5F0K / pdb_00005f0k
Title : Structure of VPS35 N terminal region
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Deposited on : 2015-11-27
Resolution : 3.07 Å(reported)

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

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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

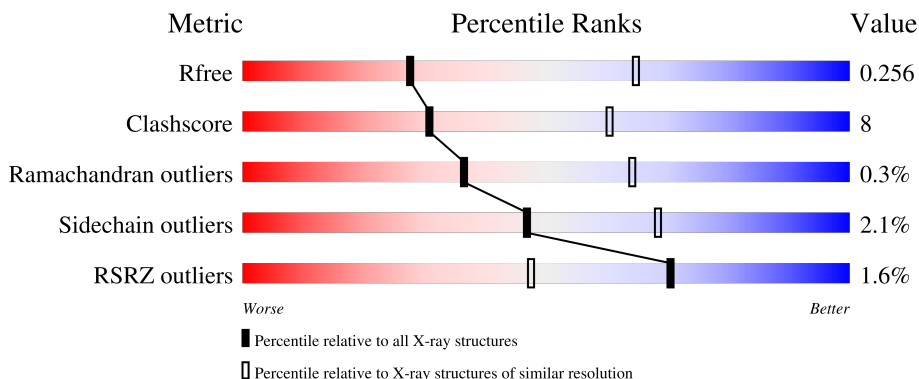
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.07 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	2010 (3.10-3.06)
Clashscore	190562	2102 (3.10-3.06)
Ramachandran outliers	187476	1982 (3.10-3.06)
Sidechain outliers	187428	1981 (3.10-3.06)
RSRZ outliers	180081	2010 (3.10-3.06)

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	462	
1	B	462	
1	C	462	
1	D	462	
1	E	462	

2 Entry composition

There are 6 unique types of molecules in this entry. The entry contains 35602 atoms, of which 17991 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 Vacuolar protein sorting-associated protein 35.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
1	A	433	Total	C	H	N	O	S	0	0	0
			7075	2237	3571	592	653	22			
1	B	430	Total	C	H	N	O	S	0	0	0
			7043	2225	3559	587	649	23			
1	C	439	Total	C	H	N	O	S	0	0	0
			7159	2253	3618	604	661	23			
1	D	433	Total	C	H	N	O	S	0	0	0
			7080	2238	3577	591	651	23			
1	E	423	Total	C	H	N	O	S	0	0	0
			6915	2180	3492	583	638	22			

There are 25 discrepancies between the modelled and reference sequences:

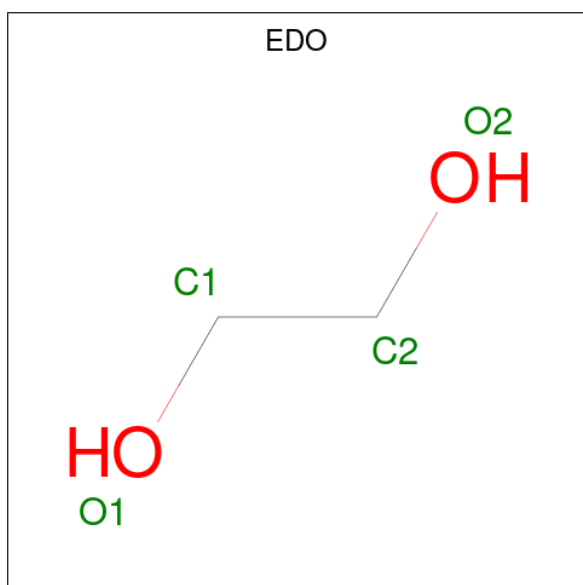
Chain	Residue	Modelled	Actual	Comment	Reference
A	9	GLY	-	expression tag	UNP Q96QK1
A	10	ALA	-	expression tag	UNP Q96QK1
A	11	MET	-	expression tag	UNP Q96QK1
A	12	GLY	-	expression tag	UNP Q96QK1
A	13	SER	-	expression tag	UNP Q96QK1
B	9	GLY	-	expression tag	UNP Q96QK1
B	10	ALA	-	expression tag	UNP Q96QK1
B	11	MET	-	expression tag	UNP Q96QK1
B	12	GLY	-	expression tag	UNP Q96QK1
B	13	SER	-	expression tag	UNP Q96QK1
C	9	GLY	-	expression tag	UNP Q96QK1
C	10	ALA	-	expression tag	UNP Q96QK1
C	11	MET	-	expression tag	UNP Q96QK1
C	12	GLY	-	expression tag	UNP Q96QK1
C	13	SER	-	expression tag	UNP Q96QK1
D	9	GLY	-	expression tag	UNP Q96QK1
D	10	ALA	-	expression tag	UNP Q96QK1
D	11	MET	-	expression tag	UNP Q96QK1
D	12	GLY	-	expression tag	UNP Q96QK1

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Chain	Residue	Modelled	Actual	Comment	Reference
D	13	SER	-	expression tag	UNP Q96QK1
E	9	GLY	-	expression tag	UNP Q96QK1
E	10	ALA	-	expression tag	UNP Q96QK1
E	11	MET	-	expression tag	UNP Q96QK1
E	12	GLY	-	expression tag	UNP Q96QK1
E	13	SER	-	expression tag	UNP Q96QK1

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



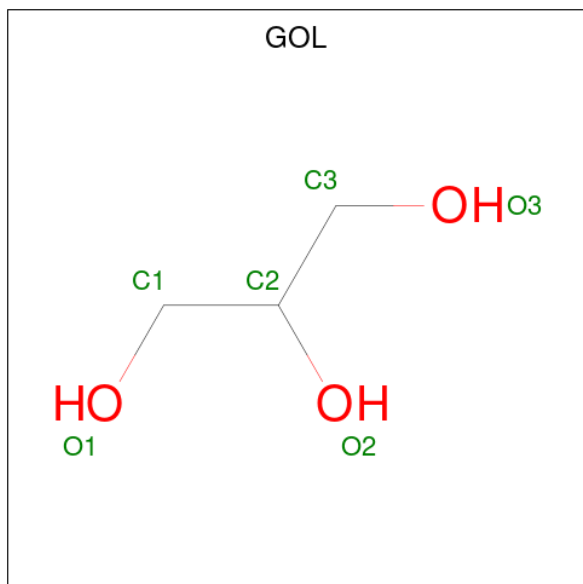
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
2	A	1	Total	C	H	O	0	0
			10	2	6	2		
2	A	1	Total	C	H	O	0	0
			10	2	6	2		
2	A	1	Total	C	H	O	0	0
			10	2	6	2		
2	A	1	Total	C	H	O	0	0
			10	2	6	2		
2	A	1	Total	C	H	O	0	0
			10	2	6	2		
2	B	1	Total	C	H	O	0	0
			10	2	6	2		
2	B	1	Total	C	H	O	0	0
			10	2	6	2		
2	C	1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

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
2	C	1	Total	C	H	O	0	0
			10	2	6	2		
2	D	1	Total	C	H	O	0	0
			10	2	6	2		
2	D	1	Total	C	H	O	0	0
			10	2	6	2		
2	D	1	Total	C	H	O	0	0
			10	2	6	2		
2	E	1	Total	C	H	O	0	0
			10	2	6	2		
2	E	1	Total	C	H	O	0	0
			10	2	6	2		

- Molecule 3 is GLYCEROL (CCD ID: GOL) (formula: $C_3H_8O_3$).



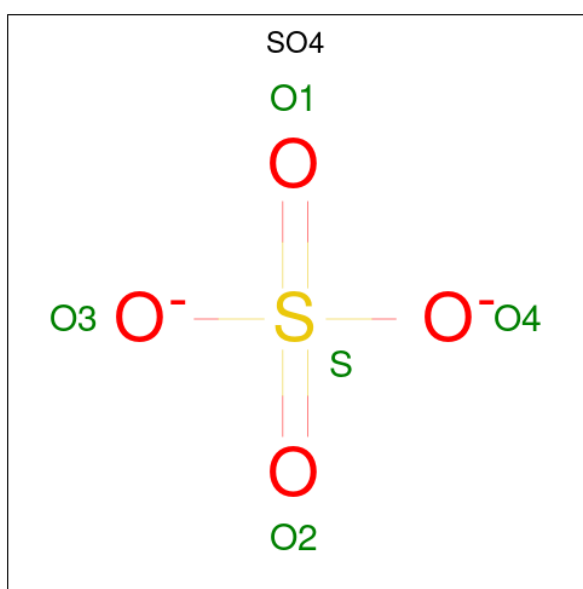
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
3	A	1	Total	C	H	O	0	0
			14	3	8	3		
3	B	1	Total	C	H	O	0	0
			14	3	8	3		
3	B	1	Total	C	H	O	0	0
			14	3	8	3		
3	B	1	Total	C	H	O	0	0
			14	3	8	3		
3	C	1	Total	C	H	O	0	0
			14	3	8	3		

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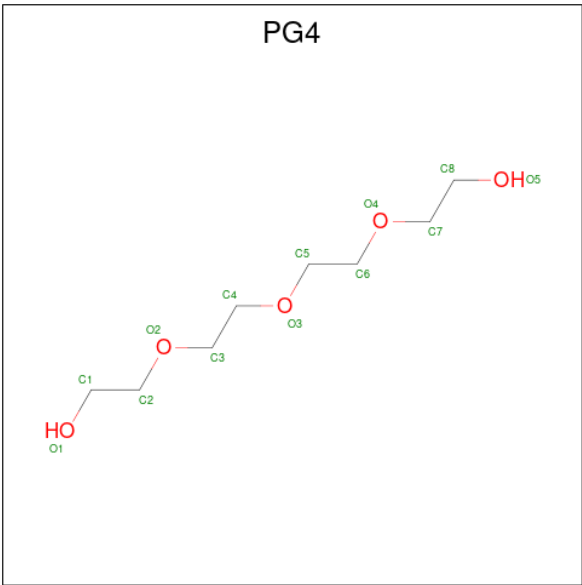
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
3	D	1	Total	C	H	O	0	0
			14	3	8	3		
3	D	1	Total	C	H	O	0	0
			14	3	8	3		
3	E	1	Total	C	H	O	0	0
			14	3	8	3		
3	E	1	Total	C	H	O	0	0
			14	3	8	3		

- Molecule 4 is SULFATE ION (CCD ID: SO4) (formula: O₄S).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	A	1	Total	O	S	0	0
			5	4	1		
4	B	1	Total	O	S	0	0
			5	4	1		
4	E	1	Total	O	S	0	0
			5	4	1		

- Molecule 5 is TETRAETHYLENE GLYCOL (CCD ID: PG4) (formula: C₈H₁₈O₅).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
5	C	1	Total	C	H	O	0	0
			31	8	18	5		

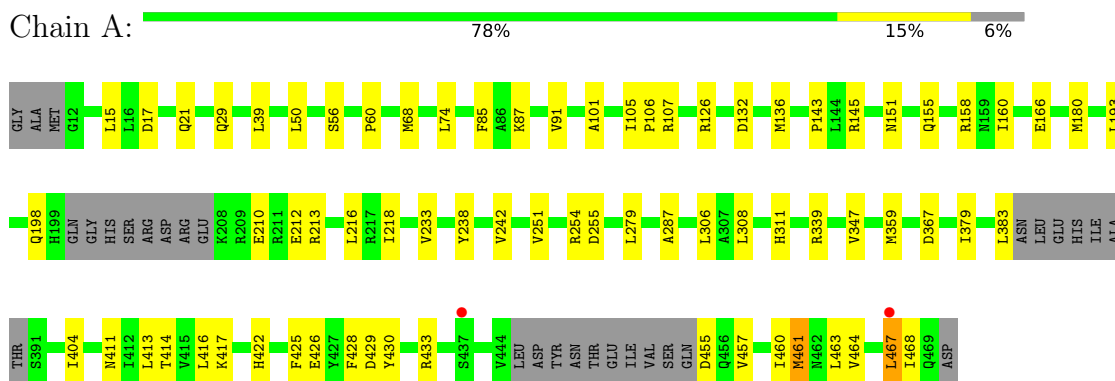
- Molecule 6 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	A	7	Total	O	0	0
			7	7		
6	B	7	Total	O	0	0
			7	7		
6	E	4	Total	O	0	0
			4	4		

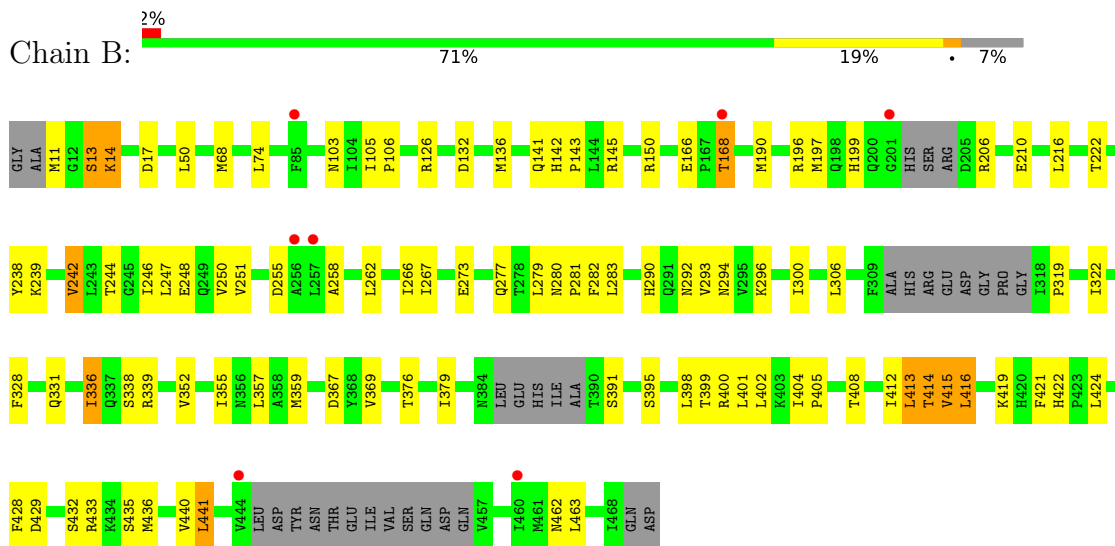
3 Residue-property plots

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.

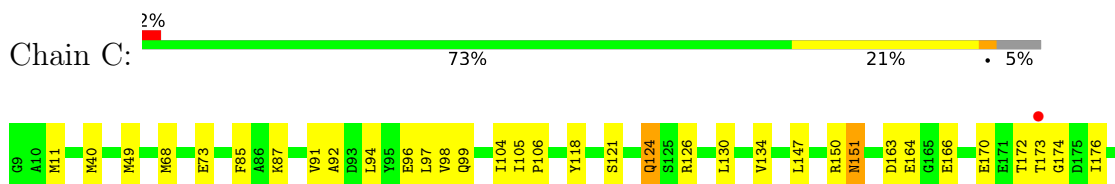
- Molecule 1: Vacuolar protein sorting-associated protein 35



- Molecule 1: Vacuolar protein sorting-associated protein 35



- Molecule 1: Vacuolar protein sorting-associated protein 35



4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	200.70Å 108.60Å 167.90Å 90.00° 125.50° 90.00°	Depositor
Resolution (Å)	47.91 – 3.07 47.91 – 3.07	Depositor EDS
% Data completeness (in resolution range)	99.5 (47.91-3.07) 99.5 (47.91-3.07)	Depositor EDS
R_{merge}	0.06	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.82 (at 3.07Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.206 , 0.255 0.205 , 0.256	Depositor DCC
R_{free} test set	2725 reflections (3.63%)	wwPDB-VP
Wilson B-factor (Å ²)	53.9	Xtriage
Anisotropy	0.041	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.38 , 59.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	0.002 for h,-k,-h-l	Xtriage
F_o, F_c correlation	0.91	EDS
Total number of atoms	35602	wwPDB-VP
Average B, all atoms (Å ²)	63.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.80% 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: SO4, PG4, GOL, EDO

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	0.14	0/3559	0.31	0/4808
1	B	0.16	0/3536	0.35	0/4774
1	C	0.18	0/3592	0.39	1/4848 (0.0%)
1	D	0.14	0/3556	0.33	0/4801
1	E	0.17	0/3470	0.36	0/4678
All	All	0.16	0/17713	0.35	1/23909 (0.0%)

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	C	210	GLU	N-CA-C	-6.47	105.49	113.19

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	3504	3571	3571	48	0
1	B	3484	3559	3558	70	0
1	C	3541	3618	3618	73	0
1	D	3503	3577	3578	47	0
1	E	3423	3492	3491	72	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	A	20	30	30	0	0
2	B	8	12	12	0	0
2	C	8	12	12	0	0
2	D	12	18	18	0	0
2	E	8	12	12	0	0
3	A	6	8	8	0	0
3	B	18	24	24	0	0
3	C	6	8	8	0	0
3	D	12	16	16	0	0
3	E	12	16	16	0	0
4	A	5	0	0	0	0
4	B	5	0	0	0	0
4	E	5	0	0	0	0
5	C	13	18	18	0	0
6	A	7	0	0	0	0
6	B	7	0	0	0	0
6	E	4	0	0	0	0
All	All	17611	17991	17990	295	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 8.

The worst 5 of 295 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:21:GLN:NE2	1:D:72:ASP:OD1	2.08	0.86
1:B:141:GLN:O	1:B:196:ARG:NH2	2.10	0.84
1:C:364:ASP:O	1:C:366:VAL:N	2.21	0.74
1:C:457:VAL:HA	1:C:460:ILE:HD12	1.70	0.74
1:E:314:ASP:OD2	1:E:314:ASP:N	2.20	0.73

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	425/462 (92%)	411 (97%)	14 (3%)	0	100	100
1	B	420/462 (91%)	399 (95%)	18 (4%)	3 (1%)	18	46
1	C	429/462 (93%)	409 (95%)	18 (4%)	2 (0%)	24	54
1	D	423/462 (92%)	408 (96%)	15 (4%)	0	100	100
1	E	409/462 (88%)	395 (97%)	12 (3%)	2 (0%)	24	54
All	All	2106/2310 (91%)	2022 (96%)	77 (4%)	7 (0%)	36	64

5 of 7 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	414	THR
1	E	87	LYS
1	B	168	THR
1	C	365	ARG
1	B	336	ILE

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	399/424 (94%)	394 (99%)	5 (1%)	61	74
1	B	398/424 (94%)	387 (97%)	11 (3%)	38	63
1	C	403/424 (95%)	393 (98%)	10 (2%)	42	66
1	D	399/424 (94%)	392 (98%)	7 (2%)	51	70
1	E	390/424 (92%)	382 (98%)	8 (2%)	47	68
All	All	1989/2120 (94%)	1948 (98%)	41 (2%)	47	68

5 of 41 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	D	90	LYS

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Mol	Chain	Res	Type
1	E	204	ARG
1	D	411	ASN
1	D	443	ASN
1	E	314	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 11 such sidechains are listed below:

Mol	Chain	Res	Type
1	E	26	GLN
1	E	103	ASN
1	E	191	ASN
1	E	141	GLN
1	D	21	GLN

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](#)

27 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	EDO	A	504	-	3,3,3	0.44	0	2,2,2	0.26	0
4	SO4	B	506	-	4,4,4	0.25	0	6,6,6	0.10	0
3	GOL	B	505	-	5,5,5	0.38	0	5,5,5	0.31	0
2	EDO	E	502	-	3,3,3	0.41	0	2,2,2	0.46	0
2	EDO	B	501	-	3,3,3	0.42	0	2,2,2	0.35	0
5	PG4	C	504	-	12,12,12	0.43	0	11,11,11	0.37	0
2	EDO	D	501	-	3,3,3	0.41	0	2,2,2	0.36	0
3	GOL	C	503	-	5,5,5	0.35	0	5,5,5	0.31	0
2	EDO	D	502	-	3,3,3	0.44	0	2,2,2	0.33	0
2	EDO	B	502	-	3,3,3	0.39	0	2,2,2	0.40	0
2	EDO	A	503	-	3,3,3	0.42	0	2,2,2	0.31	0
2	EDO	C	502	-	3,3,3	0.45	0	2,2,2	0.31	0
3	GOL	D	505	-	5,5,5	0.37	0	5,5,5	0.35	0
4	SO4	A	507	-	4,4,4	0.25	0	6,6,6	0.08	0
3	GOL	E	503	-	5,5,5	0.35	0	5,5,5	0.24	0
3	GOL	A	506	-	5,5,5	0.37	0	5,5,5	0.25	0
2	EDO	A	505	-	3,3,3	0.44	0	2,2,2	0.34	0
4	SO4	E	505	-	4,4,4	0.22	0	6,6,6	0.12	0
2	EDO	A	501	-	3,3,3	0.41	0	2,2,2	0.38	0
3	GOL	B	503	-	5,5,5	0.37	0	5,5,5	0.31	0
3	GOL	E	504	-	5,5,5	0.36	0	5,5,5	0.31	0
2	EDO	E	501	-	3,3,3	0.43	0	2,2,2	0.49	0
3	GOL	B	504	-	5,5,5	0.37	0	5,5,5	0.26	0
3	GOL	D	504	-	5,5,5	0.39	0	5,5,5	0.17	0
2	EDO	C	501	-	3,3,3	0.41	0	2,2,2	0.32	0
2	EDO	A	502	-	3,3,3	0.43	0	2,2,2	0.35	0
2	EDO	D	503	-	3,3,3	0.40	0	2,2,2	0.74	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	EDO	A	504	-	-	0/1/1/1	-
3	GOL	B	505	-	-	2/4/4/4	-
2	EDO	E	502	-	-	0/1/1/1	-
2	EDO	B	501	-	-	1/1/1/1	-
5	PG4	C	504	-	-	3/10/10/10	-
2	EDO	D	501	-	-	0/1/1/1	-
3	GOL	C	503	-	-	2/4/4/4	-
2	EDO	D	502	-	-	0/1/1/1	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	EDO	B	502	-	-	0/1/1/1	-
2	EDO	A	503	-	-	1/1/1/1	-
2	EDO	C	502	-	-	1/1/1/1	-
3	GOL	D	505	-	-	0/4/4/4	-
3	GOL	E	503	-	-	2/4/4/4	-
3	GOL	A	506	-	-	0/4/4/4	-
2	EDO	A	505	-	-	0/1/1/1	-
2	EDO	A	501	-	-	0/1/1/1	-
3	GOL	B	503	-	-	2/4/4/4	-
3	GOL	E	504	-	-	2/4/4/4	-
2	EDO	E	501	-	-	0/1/1/1	-
3	GOL	B	504	-	-	2/4/4/4	-
3	GOL	D	504	-	-	2/4/4/4	-
2	EDO	C	501	-	-	0/1/1/1	-
2	EDO	A	502	-	-	0/1/1/1	-
2	EDO	D	503	-	-	1/1/1/1	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

5 of 21 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	B	503	GOL	O1-C1-C2-C3
3	B	505	GOL	O1-C1-C2-C3
3	C	503	GOL	O1-C1-C2-C3
3	D	504	GOL	O1-C1-C2-O2
3	D	504	GOL	O1-C1-C2-C3

There are no ring outliers.

No monomer is involved in short contacts.

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 [i](#)

6.1 Protein, DNA and RNA chains [i](#)

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	433/462 (93%)	-0.31	2 (0%) 87 72	16, 49, 111, 138	0
1	B	430/462 (93%)	-0.11	7 (1%) 70 47	16, 61, 111, 134	0
1	C	439/462 (95%)	0.08	8 (1%) 67 45	23, 70, 124, 143	0
1	D	433/462 (93%)	-0.12	3 (0%) 84 66	18, 56, 115, 132	0
1	E	423/462 (91%)	-0.02	15 (3%) 47 26	16, 60, 115, 137	0
All	All	2158/2310 (93%)	-0.10	35 (1%) 70 47	16, 59, 117, 143	0

The worst 5 of 35 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	E	309	PHE	3.3
1	E	12	GLY	3.3
1	C	410	ASN	3.2
1	D	468	ILE	3.1
1	E	315	GLY	3.0

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
2	EDO	A	502	4/4	0.63	0.22	65,78,81,96	0
3	GOL	A	506	6/6	0.73	0.17	46,63,75,80	0
2	EDO	C	501	4/4	0.75	0.15	48,64,85,85	0
2	EDO	D	502	4/4	0.76	0.22	58,77,95,95	0
2	EDO	E	502	4/4	0.79	0.16	37,46,56,59	0
5	PG4	C	504	13/13	0.79	0.13	48,72,86,95	0
2	EDO	C	502	4/4	0.81	0.20	44,85,103,103	0
2	EDO	A	504	4/4	0.82	0.13	34,51,73,73	0
3	GOL	C	503	6/6	0.83	0.13	51,61,74,89	0
3	GOL	B	503	6/6	0.84	0.20	50,79,103,103	0
2	EDO	D	501	4/4	0.84	0.12	46,57,68,78	0
2	EDO	B	502	4/4	0.84	0.18	39,47,56,56	0
4	SO4	A	507	5/5	0.85	0.12	54,63,89,99	0
3	GOL	E	503	6/6	0.87	0.14	33,54,78,86	0
2	EDO	A	505	4/4	0.87	0.14	50,74,88,88	0
4	SO4	B	506	5/5	0.87	0.15	46,55,86,92	0
3	GOL	D	505	6/6	0.87	0.10	52,69,84,84	0
3	GOL	E	504	6/6	0.88	0.13	56,72,90,102	0
3	GOL	D	504	6/6	0.88	0.16	56,75,92,92	0
2	EDO	D	503	4/4	0.90	0.16	27,32,42,42	0
2	EDO	B	501	4/4	0.90	0.15	39,53,64,67	0
3	GOL	B	504	6/6	0.90	0.09	44,61,83,99	0
3	GOL	B	505	6/6	0.90	0.10	46,60,83,93	0
2	EDO	E	501	4/4	0.91	0.10	47,66,82,82	0
4	SO4	E	505	5/5	0.91	0.09	59,64,70,76	0
2	EDO	A	501	4/4	0.91	0.18	51,62,75,83	0
2	EDO	A	503	4/4	0.93	0.12	32,40,63,63	0

6.5 Other polymers ⓘ

There are no such residues in this entry.