



wwPDB X-ray Structure Validation Summary Report ⓘ

Jun 15, 2026 – 07:13 PM EDT

PDB ID : 9MYT / pdb_00009myt
Title : EatA-EatI complex from Mycobacterium abscessus
Authors : Benedict, S.T.; Moynihan, P.J.
Deposited on : 2025-01-22
Resolution : 1.70 Å(reported)

This is a wwPDB X-ray Structure Validation Summary 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

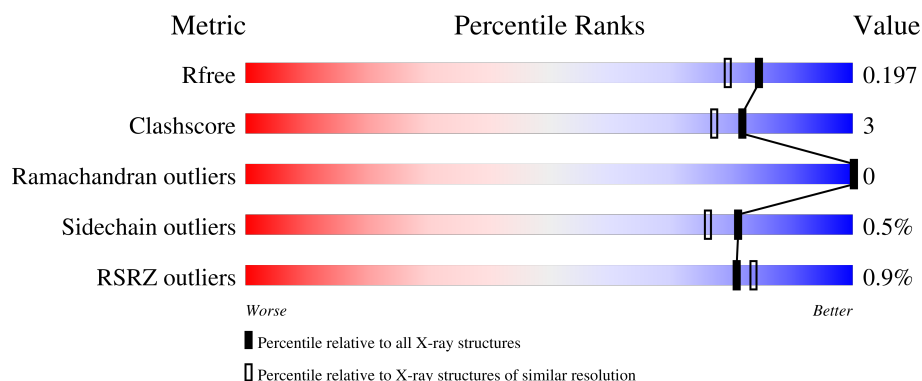
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION





The reported resolution of this entry is 1.70 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	5551 (1.70-1.70)
Clashscore	190562	5924 (1.70-1.70)
Ramachandran outliers	187476	5846 (1.70-1.70)
Sidechain outliers	187428	5846 (1.70-1.70)
RSRZ outliers	180081	5554 (1.70-1.70)

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	159	
1	C	159	
2	B	355	
2	D	355	

2 Entry composition

There are 6 unique types of molecules in this entry. The entry contains 8400 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 EatI.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	146	Total	C	N	O	S	0	3	0
			1103	705	184	208	6			
1	C	143	Total	C	N	O	S	0	4	0
			1082	690	180	206	6			

- Molecule 2 is a protein called EatA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	344	Total	C	N	O	S	0	7	0
			2562	1607	441	505	9			
2	D	343	Total	C	N	O	S	0	7	0
			2562	1609	441	503	9			

There are 26 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	170	MET	-	initiating methionine	UNP A0AAQ1N3Y3
B	171	GLY	-	expression tag	UNP A0AAQ1N3Y3
B	172	SER	-	expression tag	UNP A0AAQ1N3Y3
B	173	SER	-	expression tag	UNP A0AAQ1N3Y3
B	174	HIS	-	expression tag	UNP A0AAQ1N3Y3
B	175	HIS	-	expression tag	UNP A0AAQ1N3Y3
B	176	HIS	-	expression tag	UNP A0AAQ1N3Y3
B	177	HIS	-	expression tag	UNP A0AAQ1N3Y3
B	178	HIS	-	expression tag	UNP A0AAQ1N3Y3
B	179	HIS	-	expression tag	UNP A0AAQ1N3Y3
B	180	SER	-	expression tag	UNP A0AAQ1N3Y3
B	181	SER	-	expression tag	UNP A0AAQ1N3Y3
B	182	GLY	-	expression tag	UNP A0AAQ1N3Y3
D	170	MET	-	initiating methionine	UNP A0AAQ1N3Y3
D	171	GLY	-	expression tag	UNP A0AAQ1N3Y3
D	172	SER	-	expression tag	UNP A0AAQ1N3Y3

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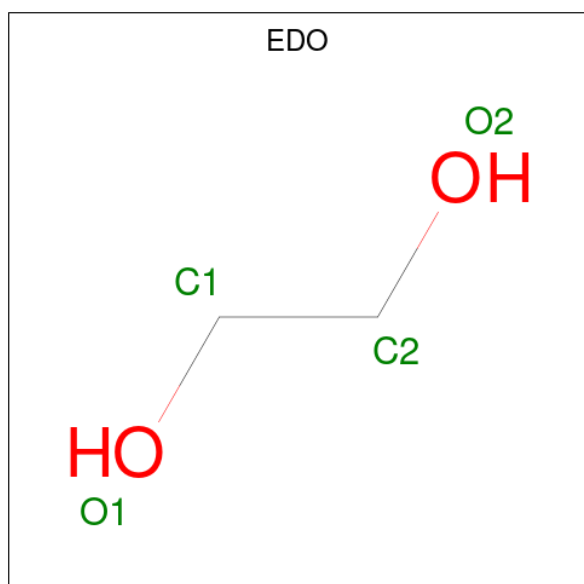
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Chain	Residue	Modelled	Actual	Comment	Reference
D	173	SER	-	expression tag	UNP A0AAQ1N3Y3
D	174	HIS	-	expression tag	UNP A0AAQ1N3Y3
D	175	HIS	-	expression tag	UNP A0AAQ1N3Y3
D	176	HIS	-	expression tag	UNP A0AAQ1N3Y3
D	177	HIS	-	expression tag	UNP A0AAQ1N3Y3
D	178	HIS	-	expression tag	UNP A0AAQ1N3Y3
D	179	HIS	-	expression tag	UNP A0AAQ1N3Y3
D	180	SER	-	expression tag	UNP A0AAQ1N3Y3
D	181	SER	-	expression tag	UNP A0AAQ1N3Y3
D	182	GLY	-	expression tag	UNP A0AAQ1N3Y3

- Molecule 3 is SODIUM ION (CCD ID: NA) (formula: Na).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	A	3	Total Na 4 4	0	1
3	B	4	Total Na 4 4	0	0
3	C	1	Total Na 1 1	0	0
3	D	6	Total Na 6 6	0	0

- Molecule 4 is 1,2-ETHANEDIOL (CCD ID: EDO) (formula: C₂H₆O₂).



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

- Molecule 5 is DI(HYDROXYETHYL)ETHER (CCD ID: PEG) (formula: C₄H₁₀O₃).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
5	D	1	Total	C	O	0	1
			14	8	6		

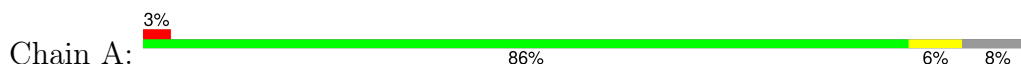
- Molecule 6 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	A	158	Total	O	0	0
			158	158		
6	B	374	Total	O	0	0
			374	374		
6	C	128	Total	O	0	0
			128	128		
6	D	338	Total	O	0	0
			338	338		

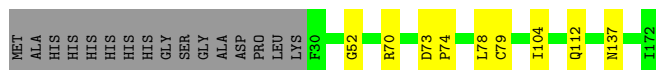
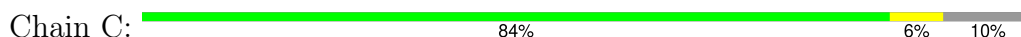
3 Residue-property plots [i](#)

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: EatI



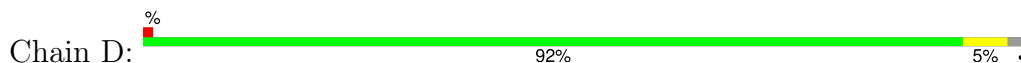
- Molecule 1: EatI



- Molecule 2: EatA



- Molecule 2: EatA



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	51.58Å 99.52Å 92.09Å 90.00° 102.48° 90.00°	Depositor
Resolution (Å)	89.92 – 1.70 89.92 – 1.70	Depositor EDS
% Data completeness (in resolution range)	90.0 (89.92-1.70) 90.0 (89.92-1.70)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.44 (at 1.70Å)	Xtriage
Refinement program	PHENIX 1.21.2_5419	Depositor
R, R_{free}	0.160 , 0.197 0.162 , 0.197	Depositor DCC
R_{free} test set	4239 reflections (4.27%)	wwPDB-VP
Wilson B-factor (Å ²)	24.2	Xtriage
Anisotropy	0.317	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 43.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.97	EDS
Total number of atoms	8400	wwPDB-VP
Average B, all atoms (Å ²)	30.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.98% 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: NA, EDO, 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	A	0.28	0/1146	0.48	0/1571
1	C	0.25	0/1127	0.46	0/1546
2	B	0.30	0/2657	0.49	0/3640
2	D	0.28	0/2658	0.47	0/3641
All	All	0.28	0/7588	0.48	0/10398

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	1103	0	1084	6	0
1	C	1082	0	1057	6	0
2	B	2562	0	2460	15	0
2	D	2562	0	2458	11	0
3	A	4	0	0	0	0
3	B	4	0	0	0	0
3	C	1	0	0	0	0
3	D	6	0	0	0	0
4	A	12	0	18	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	B	28	0	42	5	0
4	C	4	0	6	1	0
4	D	20	0	30	0	0
5	D	14	0	20	0	0
6	A	158	0	0	2	2
6	B	374	0	0	3	0
6	C	128	0	0	2	2
6	D	338	0	0	5	2
All	All	8400	0	7175	37	3

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 3.

The worst 5 of 37 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:D:497:ASN:OD1	6:D:701:HOH:O	1.73	1.06
2:D:475:PRO:O	6:D:702:HOH:O	1.89	0.91
2:B:497[B]:ASN:OD1	6:B:702:HOH:O	1.95	0.84
2:B:524:GLN:OE1	6:B:703:HOH:O	2.09	0.71
2:D:383:PRO:O	6:D:703:HOH:O	2.12	0.66

All (3) 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)
6:A:412:HOH:O	6:D:946:HOH:O[1_656]	1.87	0.33
6:A:413:HOH:O	6:C:308:HOH:O[1_656]	2.03	0.17
6:C:406:HOH:O	6:D:952:HOH:O[1_655]	2.03	0.17

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	147/159 (92%)	145 (99%)	2 (1%)	0	100	100
1	C	145/159 (91%)	142 (98%)	3 (2%)	0	100	100
2	B	349/355 (98%)	340 (97%)	9 (3%)	0	100	100
2	D	348/355 (98%)	337 (97%)	11 (3%)	0	100	100
All	All	989/1028 (96%)	964 (98%)	25 (2%)	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	125/131 (95%)	124 (99%)	1 (1%)	73	65
1	C	123/131 (94%)	122 (99%)	1 (1%)	73	65
2	B	273/276 (99%)	269 (98%)	4 (2%)	57	43
2	D	272/276 (99%)	272 (100%)	0	100	100
All	All	793/814 (97%)	787 (99%)	6 (1%)	81	65

5 of 6 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
2	B	387[A]	VAL
2	B	387[B]	VAL
1	C	78	LEU
2	B	301[A]	VAL
1	A	162	SER

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (3) such sidechains are listed below:

Mol	Chain	Res	Type
2	B	258	ASN
2	B	315	ASN
2	B	398	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 ⓘ

Of 33 ligands modelled in this entry, 15 are monoatomic - leaving 18 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	$\# Z > 2$
4	EDO	A	204	-	3,3,3	0.22	0	2,2,2	0.45	0
4	EDO	B	608	-	3,3,3	0.23	0	2,2,2	0.37	0
5	PEG	D	611[A]	-	6,6,6	0.25	0	5,5,5	0.24	0
5	PEG	D	611[B]	-	6,6,6	0.25	0	5,5,5	0.23	0
4	EDO	A	203	-	3,3,3	0.29	0	2,2,2	0.24	0
4	EDO	A	206	-	3,3,3	0.33	0	2,2,2	0.18	0
4	EDO	B	605	-	3,3,3	0.23	0	2,2,2	0.26	0
4	EDO	B	610	-	3,3,3	0.32	0	2,2,2	0.55	0
4	EDO	D	601	-	3,3,3	0.28	0	2,2,2	0.14	0
4	EDO	B	603	-	3,3,3	0.25	0	2,2,2	0.63	0
4	EDO	D	608	-	3,3,3	0.26	0	2,2,2	0.31	0
4	EDO	B	611	-	3,3,3	0.24	0	2,2,2	0.55	0
4	EDO	D	603	-	3,3,3	0.25	0	2,2,2	0.34	0
4	EDO	C	201	-	3,3,3	0.32	0	2,2,2	0.34	0
4	EDO	D	605	-	3,3,3	0.23	0	2,2,2	0.20	0
4	EDO	B	604	-	3,3,3	0.26	0	2,2,2	0.51	0
4	EDO	D	607	-	3,3,3	0.23	0	2,2,2	0.28	0
4	EDO	B	602	-	3,3,3	0.25	0	2,2,2	0.27	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
4	EDO	A	204	-	-	0/1/1/1	-
4	EDO	B	608	-	-	0/1/1/1	-
5	PEG	D	611[A]	-	-	2/4/4/4	-
5	PEG	D	611[B]	-	-	1/4/4/4	-
4	EDO	A	203	-	-	0/1/1/1	-
4	EDO	A	206	-	-	0/1/1/1	-
4	EDO	B	605	-	-	1/1/1/1	-
4	EDO	B	610	-	-	1/1/1/1	-
4	EDO	D	601	-	-	0/1/1/1	-
4	EDO	B	603	-	-	0/1/1/1	-
4	EDO	D	608	-	-	1/1/1/1	-
4	EDO	B	611	-	-	1/1/1/1	-
4	EDO	D	603	-	-	0/1/1/1	-
4	EDO	C	201	-	-	1/1/1/1	-
4	EDO	D	605	-	-	0/1/1/1	-
4	EDO	B	604	-	-	1/1/1/1	-
4	EDO	D	607	-	-	1/1/1/1	-
4	EDO	B	602	-	-	0/1/1/1	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

5 of 10 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
5	D	611[B]	PEG	O2-C3-C4-O4
4	B	604	EDO	O1-C1-C2-O2
5	D	611[A]	PEG	O2-C3-C4-O4
4	B	611	EDO	O1-C1-C2-O2
5	D	611[A]	PEG	C1-C2-O2-C3

There are no ring outliers.

4 monomers are involved in 6 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
4	B	610	EDO	3	0
4	B	611	EDO	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
4	C	201	EDO	1	0
4	B	604	EDO	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 [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	146/159 (91%)	-0.12	4 (2%) 56 60	15, 27, 47, 77	3 (2%)
1	C	143/159 (89%)	0.09	0 100 100	18, 32, 52, 75	4 (2%)
2	B	344/355 (96%)	-0.34	1 (0%) 90 91	12, 25, 38, 58	8 (2%)
2	D	343/355 (96%)	-0.17	4 (1%) 76 80	13, 27, 45, 59	7 (2%)
All	All	976/1028 (94%)	-0.19	9 (0%) 81 83	12, 27, 46, 77	22 (2%)

The worst 5 of 9 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	27	PRO	3.5
2	D	183	PRO	3.2
2	D	216	GLY	2.6
1	A	172	ILE	2.6
2	D	385	GLY	2.5

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
3	NA	A	205[A]	1/1	0.57	0.22	47,47,47,47	1
3	NA	A	205[B]	1/1	0.57	0.22	43,43,43,43	1
3	NA	A	202	1/1	0.65	0.18	60,60,60,60	0
4	EDO	B	611	4/4	0.72	0.16	40,41,41,43	0
5	PEG	D	611[A]	7/7	0.73	0.17	38,44,47,47	7
5	PEG	D	611[B]	7/7	0.73	0.17	36,41,45,46	7
3	NA	A	201	1/1	0.80	0.24	55,55,55,55	0
3	NA	D	610	1/1	0.82	0.13	56,56,56,56	0
3	NA	C	202	1/1	0.82	0.16	56,56,56,56	0
3	NA	D	612	1/1	0.84	0.14	54,54,54,54	0
3	NA	D	602	1/1	0.85	0.13	54,54,54,54	0
4	EDO	B	608	4/4	0.86	0.12	35,42,43,45	0
3	NA	B	609	1/1	0.86	0.11	54,54,54,54	0
4	EDO	D	607	4/4	0.86	0.13	40,41,46,50	0
3	NA	D	609	1/1	0.86	0.11	42,42,42,42	1
4	EDO	B	605	4/4	0.86	0.13	37,40,42,46	0
4	EDO	B	604	4/4	0.87	0.12	36,39,40,40	0
4	EDO	B	610	4/4	0.87	0.15	19,25,26,27	4
4	EDO	D	608	4/4	0.88	0.11	37,38,41,41	0
4	EDO	A	206	4/4	0.89	0.10	26,28,29,39	0
4	EDO	B	603	4/4	0.90	0.14	34,34,34,35	0
4	EDO	D	605	4/4	0.91	0.12	31,38,41,44	0
4	EDO	D	603	4/4	0.92	0.10	33,36,37,38	0
3	NA	D	606	1/1	0.92	0.09	47,47,47,47	0
4	EDO	C	201	4/4	0.93	0.11	29,29,35,39	0
3	NA	D	604	1/1	0.94	0.09	48,48,48,48	0
4	EDO	A	203	4/4	0.94	0.08	25,28,29,32	0
4	EDO	B	602	4/4	0.95	0.07	20,20,23,24	0
3	NA	B	607	1/1	0.95	0.09	51,51,51,51	0
4	EDO	A	204	4/4	0.96	0.07	25,32,35,40	0
4	EDO	D	601	4/4	0.96	0.07	24,25,26,26	0
3	NA	B	606	1/1	0.98	0.08	25,25,25,25	0
3	NA	B	601	1/1	1.00	0.08	26,26,26,26	0

6.5 Other polymers ⓘ

There are no such residues in this entry.