



Full wwPDB X-ray Structure Validation Report ⓘ

Apr 26, 2026 – 05:04 AM EDT

PDB ID : 7MOO / pdb_00007moo
Title : L-type DNA containing 2'-fluoro-2'-deoxycytidine
Authors : Dantsu, Y.; Zhang, Y.; Zhang, W.
Deposited on : 2021-05-03
Resolution : 1.35 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

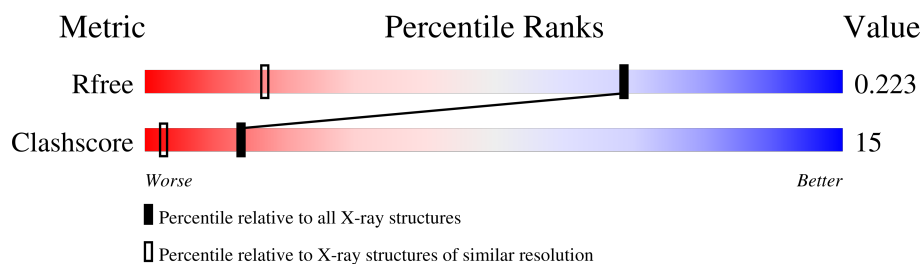
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

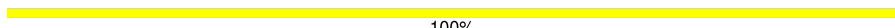
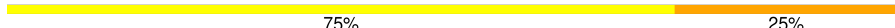
The reported resolution of this entry is 1.35 Å.

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	1216 (1.36-1.36)
Clashscore	190562	1232 (1.36-1.36)

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	8	 100%
1	B	8	 75% 25%

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 359 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 DNA chain called DNA (5'-D>(* (0DG)P*(OFC)P*(0DG)P*(0DT)P*(0DA)P*(0DC)P*(0DG)P*(0DC))-3').

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
1	A	8	Total	C	F	N	O	P	0	0	0
			162	77	1	31	46	7			
1	B	8	Total	C	F	N	O	P	0	0	0
			162	77	1	31	46	7			

- Molecule 2 is water.

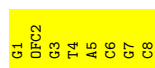
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	A	18	Total	O	0	0
			18	18		
2	B	17	Total	O	0	0
			17	17		

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.

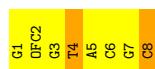
- Molecule 1: DNA (5'-D(* (0DG)P*(OFC)P*(0DG)P*(0DT)P*(0DA)P*(0DC)P*(0DG)P*(0DC))-3')

Chain A:  100%



- Molecule 1: DNA (5'-D(* (0DG)P*(OFC)P*(0DG)P*(0DT)P*(0DA)P*(0DC)P*(0DG)P*(0DC))-3')

Chain B:  75% 25%



4 Data and refinement statistics

Property	Value	Source
Space group	P 65	Depositor
Cell constants a, b, c, α , β , γ	43.84Å 43.84Å 41.25Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	21.93 – 1.35 21.93 – 1.35	Depositor EDS
% Data completeness (in resolution range)	99.2 (21.93-1.35) 99.2 (21.93-1.35)	Depositor EDS
R_{merge}	0.08	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.28 (at 1.35Å)	Xtriage
Refinement program	REFMAC 5.8.0267	Depositor
R, R_{free}	0.184 , 0.227 0.190 , 0.223	Depositor DCC
R_{free} test set	458 reflections (4.59%)	wwPDB-VP
Wilson B-factor (Å ²)	21.0	Xtriage
Anisotropy	0.064	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.43 , 40.7	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	0.078 for h,-h-k,-l	Xtriage
F_o, F_c correlation	0.97	EDS
Total number of atoms	359	wwPDB-VP
Average B, all atoms (Å ²)	22.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 7.17% 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: 0DG, OFC, 0DT, 0DC, 0DA

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).

There are no protein, RNA or DNA chains available to summarize Z scores of covalent bonds and angles.

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	162	0	79	0	0
1	B	162	0	79	7	0
2	A	18	0	0	3	0
2	B	17	0	0	0	0
All	All	359	0	158	7	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 15.

All (7) 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:A:117:HOH:O	1:B:4:0DT:H72	0.93	1.10
1:B:4:0DT:H72	1:B:4:0DT:H71	1.58	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:4:0DT:H72	1:B:4:0DT:H73	1.58	0.85
1:B:4:0DT:H71	1:B:4:0DT:H73	1.58	0.83
2:A:117:HOH:O	1:B:4:0DT:H73	1.85	0.77
1:B:8:0DC:HO3'	1:B:8:0DC:O3'	1.93	0.68
2:A:117:HOH:O	1:B:4:0DT:H71	2.12	0.45

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

There are no protein molecules in this entry.

5.3.2 Protein sidechains [i](#)

There are no protein molecules in this entry.

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

16 non-standard protein/DNA/RNA residues 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
1	ODG	A	1	1	21,21,25	1.29	3 (14%)	31,31,38	1.56	5 (16%)
1	ODT	B	4	1	18,21,22	1.74	5 (27%)	25,30,33	2.36	7 (28%)
1	ODG	A	7	1	21,24,25	1.26	4 (19%)	30,35,38	1.43	4 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	OFC	A	2	1	18,21,22	1.93	1 (5%)	25,30,33	1.65	4 (16%)
1	ODG	A	3	1	21,24,25	1.40	1 (4%)	30,35,38	1.22	2 (6%)
1	ODT	A	4	1	18,21,22	1.79	6 (33%)	25,30,33	2.88	9 (36%)
1	ODC	A	6	1	17,20,21	0.99	0	23,28,31	1.28	3 (13%)
1	ODC	B	8	1	17,20,21	1.49	5 (29%)	23,28,31	1.64	5 (21%)
1	OFC	B	2	1	18,21,22	1.55	4 (22%)	25,30,33	1.15	2 (8%)
1	ODA	B	5	1	20,23,24	1.33	2 (10%)	28,33,36	1.74	9 (32%)
1	ODG	B	3	1	21,24,25	1.70	5 (23%)	30,35,38	1.22	3 (10%)
1	ODG	B	1	1	21,21,25	1.11	3 (14%)	31,31,38	1.06	1 (3%)
1	ODC	A	8	1	17,20,21	1.35	3 (17%)	23,28,31	1.05	2 (8%)
1	ODA	A	5	1	20,23,24	1.55	4 (20%)	28,33,36	1.54	5 (17%)
1	ODC	B	6	1	17,20,21	1.37	2 (11%)	23,28,31	1.21	3 (13%)
1	ODG	B	7	1	21,24,25	1.21	1 (4%)	30,35,38	1.04	2 (6%)

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
1	ODG	A	1	1	-	1/6/18/22	0/3/3/3
1	ODT	B	4	1	-	0/7/21/22	0/2/2/2
1	ODG	A	7	1	-	0/7/21/22	0/3/3/3
1	OFC	A	2	1	-	0/7/25/26	0/2/2/2
1	ODG	A	3	1	-	0/7/21/22	0/3/3/3
1	ODT	A	4	1	-	0/7/21/22	0/2/2/2
1	ODC	A	6	1	-	0/7/21/22	0/2/2/2
1	ODC	B	8	1	-	0/7/21/22	0/2/2/2
1	OFC	B	2	1	-	0/7/25/26	0/2/2/2
1	ODA	B	5	1	-	3/7/21/22	0/3/3/3
1	ODG	B	3	1	-	0/7/21/22	0/3/3/3
1	ODG	B	1	1	-	0/6/18/22	0/3/3/3
1	ODC	A	8	1	-	0/7/21/22	0/2/2/2
1	ODA	A	5	1	-	4/7/21/22	0/3/3/3
1	ODC	B	6	1	-	0/7/21/22	0/2/2/2
1	ODG	B	7	1	-	0/7/21/22	0/3/3/3

All (49) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	2	OFC	C2'-C1'	-7.07	1.44	1.53
1	B	2	OFC	C2'-C1'	-4.57	1.47	1.53
1	B	5	0DA	C2A-N3A	3.93	1.40	1.33
1	A	8	0DC	C2'-C3'	-3.86	1.43	1.52
1	B	3	0DG	O3'-C3'	3.73	1.51	1.43
1	B	4	0DT	C6-C5	3.70	1.40	1.34
1	A	3	0DG	O4'-C1'	3.69	1.50	1.42
1	B	4	0DT	C5M-C5	-3.65	1.41	1.50
1	B	6	0DC	O3'-C3'	3.47	1.50	1.43
1	A	5	0DA	O4'-C4'	-3.42	1.37	1.45
1	A	4	0DT	C6-N1	3.38	1.43	1.38
1	B	7	0DG	O4'-C1'	3.31	1.49	1.42
1	B	3	0DG	C8-N9	-3.19	1.30	1.37
1	A	1	0DG	O4'-C1'	3.11	1.49	1.42
1	A	5	0DA	C2A-N1A	-3.05	1.28	1.33
1	A	4	0DT	C2-N3	3.05	1.43	1.38
1	A	4	0DT	C4-N3	-2.88	1.33	1.38
1	A	7	0DG	C1'-N9	2.81	1.55	1.48
1	B	8	0DC	C2-N1	-2.79	1.34	1.40
1	B	4	0DT	C2'-C3'	-2.72	1.46	1.52
1	A	5	0DA	O4'-C1'	2.68	1.48	1.42
1	A	1	0DG	C5-C6	-2.51	1.35	1.44
1	A	7	0DG	C5-C6	-2.48	1.35	1.44
1	A	7	0DG	C5-N7	-2.48	1.34	1.39
1	B	2	OFC	O4'-C1'	2.45	1.47	1.42
1	B	3	0DG	O4'-C4'	-2.42	1.39	1.45
1	B	4	0DT	C1'-N1	2.36	1.54	1.48
1	B	1	0DG	O4'-C4'	2.35	1.50	1.45
1	A	4	0DT	C6-C5	2.33	1.38	1.34
1	A	4	0DT	C5M-C5	-2.33	1.45	1.50
1	B	5	0DA	O3'-C3'	-2.31	1.38	1.43
1	B	2	OFC	O5'-C5'	-2.31	1.37	1.44
1	B	3	0DG	O4'-C1'	2.27	1.47	1.42
1	B	1	0DG	C5-N7	-2.24	1.34	1.39
1	A	8	0DC	C4-N3	2.24	1.39	1.34
1	B	8	0DC	C4-N3	2.23	1.39	1.34
1	B	8	0DC	C2'-C1'	2.20	1.58	1.52
1	A	5	0DA	C5A-C4A	-2.17	1.35	1.39
1	B	2	OFC	C2'-C3'	-2.15	1.49	1.52
1	B	3	0DG	O6-C6	2.15	1.27	1.23
1	B	8	0DC	C2'-C3'	-2.15	1.47	1.52
1	B	8	0DC	C2-N3	2.13	1.40	1.36
1	B	1	0DG	O6-C6	2.12	1.27	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	4	0DT	C6-N1	2.11	1.41	1.38
1	A	1	0DG	C5'-C4'	2.06	1.58	1.51
1	B	6	0DC	C4-N4	-2.03	1.29	1.33
1	A	4	0DT	O3'-C3'	2.02	1.47	1.43
1	A	8	0DC	O3'-C3'	2.02	1.47	1.43
1	A	7	0DG	O6-C6	2.01	1.27	1.23

All (66) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	4	0DT	C5-C4-N3	10.27	124.25	115.32
1	B	4	0DT	C5-C4-N3	8.04	122.31	115.32
1	A	4	0DT	C4-N3-C2	-5.11	120.64	127.34
1	B	4	0DT	C4-N3-C2	-4.35	121.64	127.34
1	A	2	OFC	O4'-C1'-C2'	4.34	110.43	105.84
1	A	4	0DT	C6-C5-C4	-4.15	114.60	118.02
1	A	2	OFC	C3'-C2'-C1'	-4.06	98.38	103.10
1	B	5	0DA	C6A-C5A-C4A	3.90	122.50	117.18
1	B	8	0DC	C5-C4-N4	3.87	127.40	120.63
1	A	5	0DA	C5A-C4A-N3A	-3.73	121.57	126.72
1	A	1	0DG	C4-C5-N7	-3.73	104.76	110.67
1	A	7	0DG	N1-C2-N3	-3.55	116.83	123.32
1	A	4	0DT	C5M-C5-C4	3.55	122.57	118.78
1	A	4	0DT	O4-C4-N3	-3.33	113.86	120.11
1	B	4	0DT	O4-C4-C5	-3.29	121.15	124.92
1	A	1	0DG	C5-C4-N3	-3.27	123.19	128.39
1	B	3	0DG	O4'-C1'-N9	-3.23	102.13	107.86
1	B	4	0DT	C5M-C5-C4	3.18	122.18	118.78
1	B	4	0DT	C6-C5-C4	-3.12	115.45	118.02
1	A	6	0DC	C2'-C3'-C4'	-3.00	96.72	102.80
1	B	5	0DA	N1A-C2A-N3A	-2.89	124.21	128.58
1	A	1	0DG	C5-C4-N9	2.87	110.79	105.66
1	B	5	0DA	C4A-C5A-N7A	-2.78	107.40	110.58
1	A	5	0DA	N1A-C2A-N3A	-2.76	124.41	128.58
1	A	1	0DG	O4'-C4'-C5'	-2.76	103.39	109.22
1	B	5	0DA	C5A-C4A-N9A	2.71	108.77	105.81
1	A	4	0DT	O4-C4-C5	-2.66	121.88	124.92
1	B	8	0DC	N4-C4-N3	-2.57	113.31	117.91
1	B	5	0DA	C5A-C4A-N3A	-2.56	123.19	126.72
1	A	7	0DG	C2-N3-C4	2.55	116.69	112.30
1	A	4	0DT	O2-C2-N1	-2.55	119.48	122.80
1	B	7	0DG	C1'-N9-C8	2.53	133.58	127.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	5	0DA	C2'-C3'-C4'	-2.52	97.69	102.80
1	A	1	0DG	C8-N7-C5	2.51	108.74	104.26
1	A	3	0DG	N1-C2-N3	-2.49	118.76	123.32
1	B	4	0DT	N3-C2-N1	2.45	118.08	114.89
1	B	8	0DC	C3'-C2'-C1'	2.42	108.51	102.60
1	A	4	0DT	O4'-C4'-C3'	-2.41	100.15	105.65
1	A	4	0DT	N3-C2-N1	2.37	117.98	114.89
1	B	4	0DT	C5-C6-N1	-2.36	120.75	123.31
1	B	5	0DA	C3'-C2'-C1'	-2.36	96.83	102.60
1	B	5	0DA	C2A-N1A-C6A	2.35	122.60	118.73
1	B	8	0DC	O4'-C1'-N1	2.33	112.00	107.86
1	A	7	0DG	N2-C2-N3	2.33	124.22	119.67
1	B	6	0DC	C1'-N1-C6	2.33	126.11	121.53
1	A	2	OFC	O2-C2-N1	2.33	123.46	118.90
1	A	8	0DC	C1'-N1-C2	-2.29	113.90	117.83
1	B	3	0DG	C5-C4-N3	-2.28	124.76	128.39
1	A	5	0DA	C5A-C4A-N9A	2.25	108.26	105.81
1	B	2	OFC	O4'-C4'-C3'	-2.23	100.73	105.15
1	B	6	0DC	O4'-C4'-C3'	-2.20	100.63	105.65
1	A	7	0DG	O4'-C1'-N9	-2.19	103.97	107.86
1	B	1	0DG	N1-C2-N3	-2.16	119.36	123.32
1	B	2	OFC	F2'-C2'-C3'	2.15	113.40	109.14
1	A	8	0DC	C5-C4-N3	-2.13	117.73	121.32
1	A	6	0DC	C6-C5-C4	-2.12	114.06	117.53
1	B	6	0DC	N4-C4-N3	2.11	121.68	117.91
1	B	5	0DA	O4'-C4'-C3'	-2.11	100.84	105.65
1	A	5	0DA	N9A-C8A-N7A	-2.10	110.95	113.94
1	B	3	0DG	C2-N3-C4	2.09	115.91	112.30
1	A	3	0DG	O4'-C1'-C2'	2.09	110.15	106.25
1	B	7	0DG	O4'-C4'-C3'	-2.07	100.92	105.65
1	A	5	0DA	O4'-C4'-C5'	2.05	115.91	109.33
1	A	2	OFC	C1'-N1-C2	-2.02	113.97	118.44
1	A	6	0DC	O4'-C1'-C2'	-2.02	102.47	106.25
1	B	8	0DC	O4'-C4'-C3'	2.02	110.24	105.65

There are no chirality outliers.

All (8) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	B	5	0DA	O4'-C1'-N9A-C4A
1	A	1	0DG	O4'-C1'-N9-C4
1	A	5	0DA	C2'-C1'-N9A-C4A

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Mol	Chain	Res	Type	Atoms
1	A	5	0DA	O4'-C1'-N9A-C4A
1	A	5	0DA	O4'-C1'-N9A-C8A
1	B	5	0DA	O4'-C1'-N9A-C8A
1	B	5	0DA	C2'-C1'-N9A-C4A
1	A	5	0DA	C2'-C1'-N9A-C8A

There are no ring outliers.

2 monomers are involved in 7 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	B	4	0DT	6	0
1	B	8	0DC	1	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

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	0/8	-	-	-	-
1	B	0/8	-	-	-	-
All	All	0/16	-	-	-	-

There are no RSRZ outliers to report.

6.2 Non-standard residues in protein, DNA, RNA chains

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
1	ODG	A	1	19/23	0.92	0.10	22,25,30,36	0
1	ODC	B	6	19/20	0.93	0.09	18,21,27,29	0
1	ODG	A	7	22/23	0.93	0.09	15,18,26,30	0
1	ODA	B	5	21/22	0.94	0.09	18,22,25,27	0
1	ODC	A	6	19/20	0.94	0.09	16,22,27,30	0
1	OFC	A	2	20/21	0.94	0.08	18,22,27,31	0
1	ODG	A	3	22/23	0.94	0.08	16,20,27,30	0
1	ODC	A	8	19/20	0.94	0.08	17,21,29,35	0
1	ODC	B	8	19/20	0.94	0.09	19,21,24,29	0
1	ODT	A	4	20/21	0.95	0.07	18,21,27,30	0
1	ODG	B	7	22/23	0.95	0.07	16,19,24,27	0
1	ODA	A	5	21/22	0.96	0.07	16,19,25,25	0
1	ODG	B	1	19/23	0.96	0.07	17,18,24,27	0
1	OFC	B	2	20/21	0.96	0.07	17,20,24,26	0
1	ODT	B	4	20/21	0.96	0.07	18,20,25,26	0
1	ODG	B	3	22/23	0.97	0.06	17,20,25,29	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

There are no ligands in this entry.

6.5 Other polymers [i](#)

There are no such residues in this entry.