



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 20, 2026 – 07:51 PM UTC

PDB ID : 5O0W / pdb_00005o0w
Title : Crystal structure of the complex between Nb474 and Trypanosoma congolense fructose-1,6-bisphosphate aldolase
Authors : Pinto, J.; Magez, S.; Sterckx, Y.
Deposited on : 2017-05-17
Resolution : 2.57 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

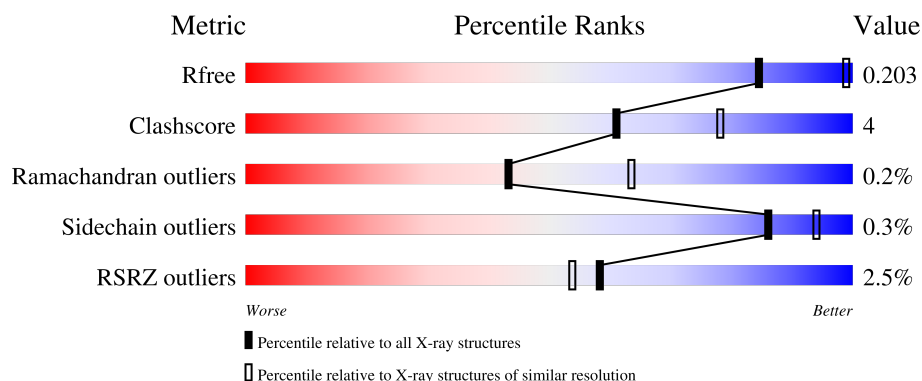
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 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	A	387	6% 82% 11% 7%
1	B	387	84% 8% 7%
1	C	387	84% 9% 7%
1	D	387	85% 7% 7%
2	E	143	6% 85% 11% .

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Mol	Chain	Length	Quality of chain
2	F	143	 8% 85% 11% .
2	G	143	 6% 86% 10% .
2	H	143	 6% 80% 15% 5%

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 15500 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 Fructose-bisphosphate aldolase.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	360	Total	C	N	O	S	0	0	0
			2732	1719	484	512	17			
1	B	358	Total	C	N	O	S	0	0	0
			2728	1714	485	512	17			
1	C	360	Total	C	N	O	S	0	0	0
			2734	1718	485	514	17			
1	D	359	Total	C	N	O	S	0	0	0
			2714	1709	480	508	17			

There are 60 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	373	GLU	-	expression tag	UNP G0UWE7
A	374	ASN	-	expression tag	UNP G0UWE7
A	375	LEU	-	expression tag	UNP G0UWE7
A	376	TYR	-	expression tag	UNP G0UWE7
A	377	PHE	-	expression tag	UNP G0UWE7
A	378	GLN	-	expression tag	UNP G0UWE7
A	379	SER	-	expression tag	UNP G0UWE7
A	380	GLY	-	expression tag	UNP G0UWE7
A	381	GLY	-	expression tag	UNP G0UWE7
A	382	HIS	-	expression tag	UNP G0UWE7
A	383	HIS	-	expression tag	UNP G0UWE7
A	384	HIS	-	expression tag	UNP G0UWE7
A	385	HIS	-	expression tag	UNP G0UWE7
A	386	HIS	-	expression tag	UNP G0UWE7
A	387	HIS	-	expression tag	UNP G0UWE7
B	373	GLU	-	expression tag	UNP G0UWE7
B	374	ASN	-	expression tag	UNP G0UWE7
B	375	LEU	-	expression tag	UNP G0UWE7
B	376	TYR	-	expression tag	UNP G0UWE7
B	377	PHE	-	expression tag	UNP G0UWE7
B	378	GLN	-	expression tag	UNP G0UWE7

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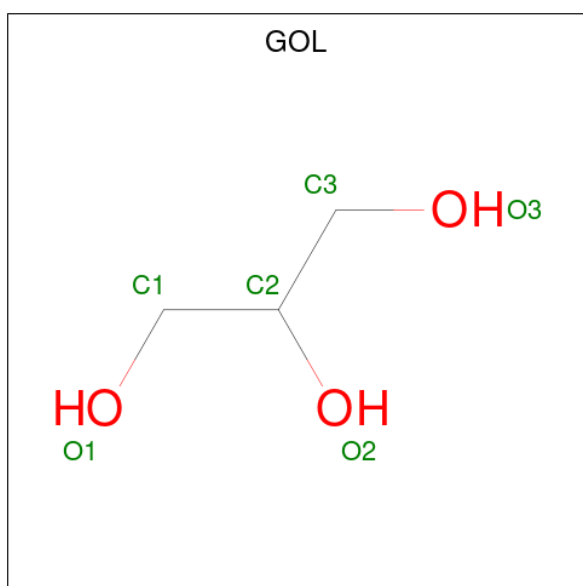
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Chain	Residue	Modelled	Actual	Comment	Reference
B	379	SER	-	expression tag	UNP G0UWE7
B	380	GLY	-	expression tag	UNP G0UWE7
B	381	GLY	-	expression tag	UNP G0UWE7
B	382	HIS	-	expression tag	UNP G0UWE7
B	383	HIS	-	expression tag	UNP G0UWE7
B	384	HIS	-	expression tag	UNP G0UWE7
B	385	HIS	-	expression tag	UNP G0UWE7
B	386	HIS	-	expression tag	UNP G0UWE7
B	387	HIS	-	expression tag	UNP G0UWE7
C	373	GLU	-	expression tag	UNP G0UWE7
C	374	ASN	-	expression tag	UNP G0UWE7
C	375	LEU	-	expression tag	UNP G0UWE7
C	376	TYR	-	expression tag	UNP G0UWE7
C	377	PHE	-	expression tag	UNP G0UWE7
C	378	GLN	-	expression tag	UNP G0UWE7
C	379	SER	-	expression tag	UNP G0UWE7
C	380	GLY	-	expression tag	UNP G0UWE7
C	381	GLY	-	expression tag	UNP G0UWE7
C	382	HIS	-	expression tag	UNP G0UWE7
C	383	HIS	-	expression tag	UNP G0UWE7
C	384	HIS	-	expression tag	UNP G0UWE7
C	385	HIS	-	expression tag	UNP G0UWE7
C	386	HIS	-	expression tag	UNP G0UWE7
C	387	HIS	-	expression tag	UNP G0UWE7
D	373	GLU	-	expression tag	UNP G0UWE7
D	374	ASN	-	expression tag	UNP G0UWE7
D	375	LEU	-	expression tag	UNP G0UWE7
D	376	TYR	-	expression tag	UNP G0UWE7
D	377	PHE	-	expression tag	UNP G0UWE7
D	378	GLN	-	expression tag	UNP G0UWE7
D	379	SER	-	expression tag	UNP G0UWE7
D	380	GLY	-	expression tag	UNP G0UWE7
D	381	GLY	-	expression tag	UNP G0UWE7
D	382	HIS	-	expression tag	UNP G0UWE7
D	383	HIS	-	expression tag	UNP G0UWE7
D	384	HIS	-	expression tag	UNP G0UWE7
D	385	HIS	-	expression tag	UNP G0UWE7
D	386	HIS	-	expression tag	UNP G0UWE7
D	387	HIS	-	expression tag	UNP G0UWE7

- Molecule 2 is a protein called Nb474.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	E	137	Total	C	N	O	S	0	0	0
			1009	620	178	206	5			
2	F	137	Total	C	N	O	S	0	0	0
			1015	621	179	210	5			
2	G	138	Total	C	N	O	S	0	0	0
			1016	624	179	208	5			
2	H	136	Total	C	N	O	S	0	0	0
			1000	615	175	205	5			

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



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

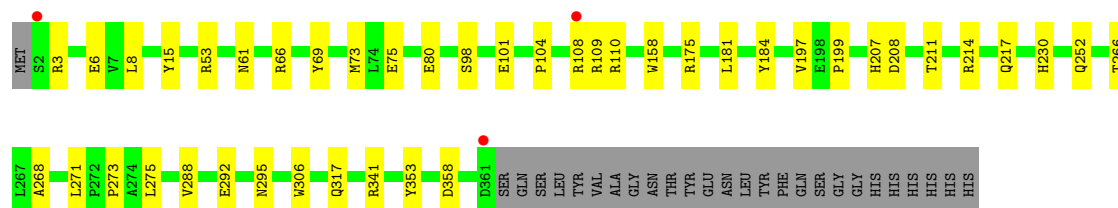
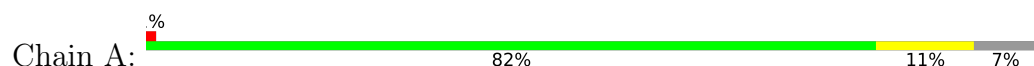
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	118	Total 118	O 118	0	0
4	B	101	Total 101	O 101	0	0
4	C	98	Total 98	O 98	0	0
4	D	111	Total 111	O 111	0	0
4	E	22	Total 22	O 22	0	0
4	F	18	Total 18	O 18	0	0
4	G	25	Total 25	O 25	0	0
4	H	23	Total 23	O 23	0	0

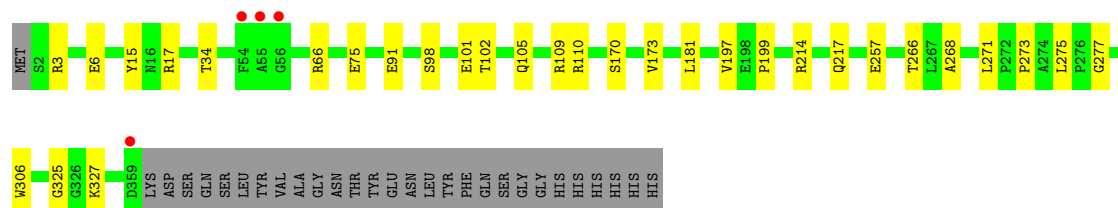
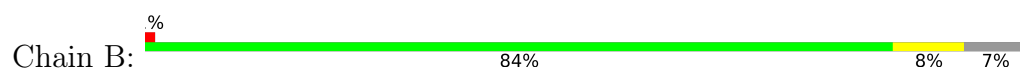
3 Residue-property plots [i](#)

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.

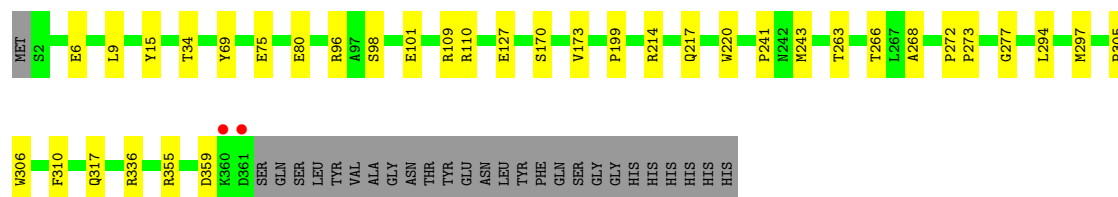
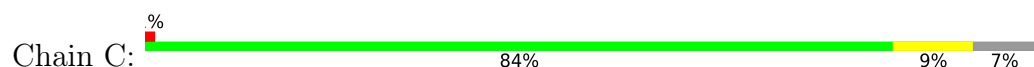
- Molecule 1: Fructose-bisphosphate aldolase



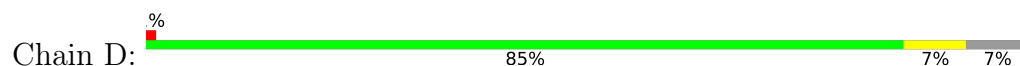
- Molecule 1: Fructose-bisphosphate aldolase

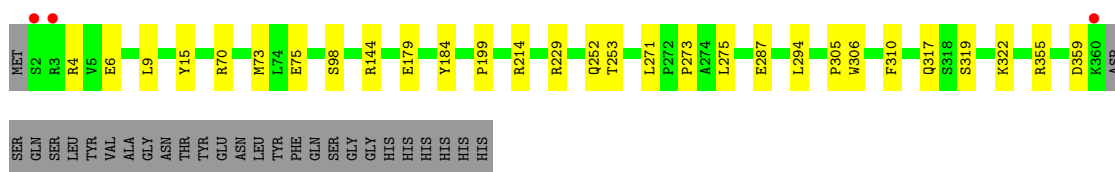


- Molecule 1: Fructose-bisphosphate aldolase

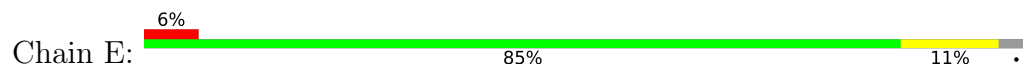


- Molecule 1: Fructose-bisphosphate aldolase

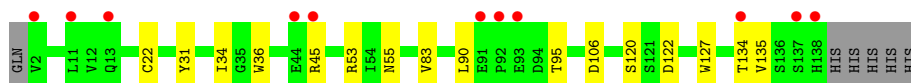
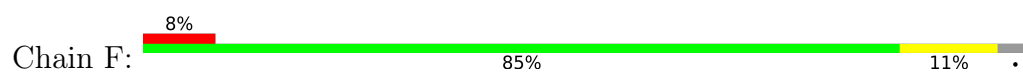




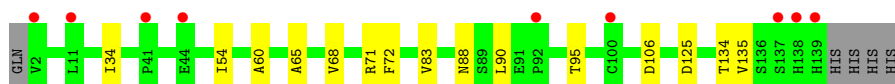
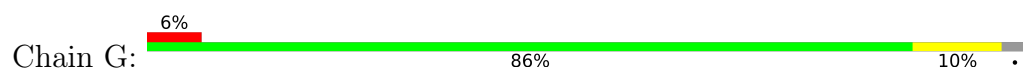
• Molecule 2: Nb474



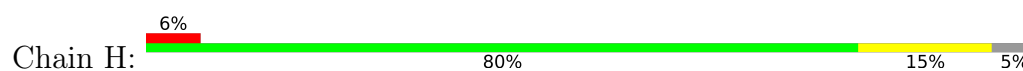
• Molecule 2: Nb474



• Molecule 2: Nb474



• Molecule 2: Nb474



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 2	Depositor
Cell constants a, b, c, α , β , γ	120.82Å 188.87Å 126.78Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	47.23 – 2.57 47.23 – 2.57	Depositor EDS
% Data completeness (in resolution range)	99.6 (47.23-2.57) 99.6 (47.23-2.57)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.28 (at 2.24Å)	Xtriage
Refinement program	PHENIX 1.11.1_2575	Depositor
R, R_{free}	0.192 , 0.222 (Not available) , 0.203	Depositor DCC
R_{free} test set	6839 reflections (5.00%)	wwPDB-VP
Wilson B-factor (Å ²)	51.1	Xtriage
Anisotropy	0.132	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 33.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	0.000 for l,-k,h	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	15500	wwPDB-VP
Average B, all atoms (Å ²)	51.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.32% 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: 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	0.18	0/2786	0.39	0/3780
1	B	0.18	0/2782	0.36	0/3774
1	C	0.17	0/2788	0.38	0/3783
1	D	0.16	0/2768	0.37	0/3758
2	E	0.15	0/1027	0.43	0/1397
2	F	0.49	1/1033 (0.1%)	0.58	0/1404
2	G	0.13	0/1034	0.37	0/1406
2	H	0.16	0/1018	0.42	0/1385
All	All	0.20	1/15236 (0.0%)	0.40	0/20687

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	F	55	ASN	C-O	-5.11	1.17	1.24

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	2732	0	2688	30	0
1	B	2728	0	2691	23	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	C	2734	0	2691	25	0
1	D	2714	0	2664	21	0
2	E	1009	0	919	14	0
2	F	1015	0	923	11	0
2	G	1016	0	926	9	0
2	H	1000	0	913	12	0
3	A	6	0	8	0	0
3	B	6	0	8	0	0
3	C	12	0	16	1	0
3	D	12	0	16	0	0
4	A	118	0	0	2	0
4	B	101	0	0	0	0
4	C	98	0	0	0	0
4	D	111	0	0	2	0
4	E	22	0	0	0	0
4	F	18	0	0	0	0
4	G	25	0	0	0	0
4	H	23	0	0	0	0
All	All	15500	0	14463	123	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.

The worst 5 of 123 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:E:45:ARG:NH1	2:E:127:TRP:CZ2	2.40	0.90
2:E:45:ARG:NH1	2:E:127:TRP:CE2	2.45	0.84
1:A:101:GLU:OE2	1:A:109:ARG:NH1	2.14	0.80
2:E:45:ARG:NH1	2:E:127:TRP:CH2	2.53	0.77
1:C:336:ARG:NH1	2:G:125:ASP:OD2	2.23	0.72

There are no symmetry-related clashes.

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

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	358/387 (92%)	352 (98%)	5 (1%)	1 (0%)	36	56
1	B	356/387 (92%)	349 (98%)	6 (2%)	1 (0%)	36	56
1	C	358/387 (92%)	352 (98%)	5 (1%)	1 (0%)	36	56
1	D	357/387 (92%)	350 (98%)	6 (2%)	1 (0%)	36	56
2	E	135/143 (94%)	130 (96%)	5 (4%)	0	100	100
2	F	135/143 (94%)	131 (97%)	4 (3%)	0	100	100
2	G	136/143 (95%)	133 (98%)	3 (2%)	0	100	100
2	H	134/143 (94%)	130 (97%)	4 (3%)	0	100	100
All	All	1969/2120 (93%)	1927 (98%)	38 (2%)	4 (0%)	43	63

All (4) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	199	PRO
1	A	199	PRO
1	C	199	PRO
1	D	199	PRO

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	279/314 (89%)	278 (100%)	1 (0%)	84	92
1	B	281/314 (90%)	280 (100%)	1 (0%)	84	92
1	C	281/314 (90%)	280 (100%)	1 (0%)	84	92
1	D	276/314 (88%)	274 (99%)	2 (1%)	76	88
2	E	101/118 (86%)	101 (100%)	0	100	100
2	F	103/118 (87%)	103 (100%)	0	100	100
2	G	102/118 (86%)	102 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	H	101/118 (86%)	101 (100%)	0	100	100
All	All	1524/1728 (88%)	1519 (100%)	5 (0%)	86	94

All (5) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	306	TRP
1	B	306	TRP
1	C	306	TRP
1	D	184	TYR
1	D	306	TRP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 10 such sidechains are listed below:

Mol	Chain	Res	Type
1	D	165	GLN
1	D	213	GLN
1	D	218	HIS
1	B	105	GLN
1	C	166	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 ⓘ

6 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	$\# Z > 2$
3	GOL	B	401	-	5,5,5	0.38	0	5,5,5	0.30	0
3	GOL	A	401	-	5,5,5	0.36	0	5,5,5	0.40	0
3	GOL	C	401	-	5,5,5	0.37	0	5,5,5	0.31	0
3	GOL	C	402	-	5,5,5	0.36	0	5,5,5	0.38	0
3	GOL	D	401	-	5,5,5	0.37	0	5,5,5	0.25	0
3	GOL	D	402	-	5,5,5	0.36	0	5,5,5	0.34	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
3	GOL	B	401	-	-	4/4/4/4	-
3	GOL	A	401	-	-	4/4/4/4	-
3	GOL	C	401	-	-	2/4/4/4	-
3	GOL	C	402	-	-	2/4/4/4	-
3	GOL	D	401	-	-	2/4/4/4	-
3	GOL	D	402	-	-	4/4/4/4	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

5 of 18 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	401	GOL	O1-C1-C2-O2
3	A	401	GOL	O1-C1-C2-C3
3	A	401	GOL	C1-C2-C3-O3
3	C	402	GOL	O1-C1-C2-C3
3	D	401	GOL	O1-C1-C2-C3

There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	C	402	GOL	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	360/387 (93%)	-0.26	3 (0%) 82 81	35, 44, 64, 92	0
1	B	358/387 (92%)	-0.22	4 (1%) 78 75	35, 46, 72, 85	0
1	C	360/387 (93%)	-0.24	2 (0%) 85 84	35, 44, 68, 93	0
1	D	359/387 (92%)	-0.20	3 (0%) 82 81	34, 46, 67, 90	0
2	E	137/143 (95%)	0.45	9 (6%) 24 20	48, 61, 81, 93	0
2	F	137/143 (95%)	0.70	11 (8%) 18 15	48, 68, 88, 99	0
2	G	138/143 (96%)	0.48	9 (6%) 25 20	47, 62, 85, 93	0
2	H	136/143 (95%)	0.57	9 (6%) 24 20	43, 63, 82, 94	0
All	All	1985/2120 (93%)	-0.01	50 (2%) 58 54	34, 49, 77, 99	0

The worst 5 of 50 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	D	2	SER	6.1
2	F	138	HIS	5.1
2	F	2	VAL	4.8
1	A	361	ASP	4.7
1	C	361	ASP	4.5

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(Å ²)	Q<0.9
3	GOL	D	402	6/6	0.84	0.18	54,58,60,68	0
3	GOL	C	401	6/6	0.86	0.21	67,69,75,84	0
3	GOL	B	401	6/6	0.87	0.23	56,63,67,68	0
3	GOL	D	401	6/6	0.88	0.14	57,65,71,71	0
3	GOL	A	401	6/6	0.94	0.14	47,52,56,61	0
3	GOL	C	402	6/6	0.95	0.14	50,53,57,61	0

6.5 Other polymers [i](#)

There are no such residues in this entry.