

wwPDB X-ray Structure Validation Summary Report (i)

Jan 4, 2024 - 04:41 am GMT

PDB ID	:	5A6Y
Title	:	Structure of the LecB lectin from Pseudomonas aeruginosa strain PA14 in
		complex with mannose-alpha1,3mannoside
Authors	:	Sommer, R.; Wagner, S.; Varrot, A.; Khaledi, A.; Haussler, S.; Imberty, A.;
		Titz, A.
Deposited on	:	2015-07-02
Resolution	:	1.40 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 (i) 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 (1)) were used in the production of this report:

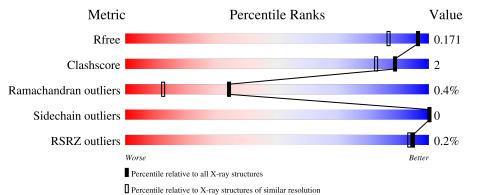
MolProbity	:	4.02b-467
Mogul	:	1.8.4, CSD as 541 be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.36
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.36

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure: $X\text{-}RAY \, DIFFRACTION$

The reported resolution of this entry is 1.40 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	$\begin{array}{c} \textbf{Whole archive} \\ (\#\textbf{Entries}) \end{array}$	${f Similar\ resolution}\ (\#{ m Entries,\ resolution\ range}({ m \AA}))$
R_{free}	130704	1714 (1.40-1.40)
Clashscore	141614	1812 (1.40-1.40)
Ramachandran outliers	138981	1763 (1.40-1.40)
Sidechain outliers	138945	1762 (1.40-1.40)
RSRZ outliers	127900	1674 (1.40-1.40)

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 <=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	А	114	95% 5%
1	В	114	97% •
1	С	114	% 95% 5%
1	D	114	93% 7%
2	Ε	2	100%

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Mol	Chain	Length	Quality of chain
2	F	2	100%
2	G	2	100%



2 Entry composition (i)

There are 7 unique types of molecules in this entry. The entry contains 4141 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.

Mol	Chain	Residues		Ato	ms		ZeroOcc	AltConf	Trace
1	Δ	114	Total	С	Ν	Ο	0	4	0
	А	114	843	522	142	179	0	4	
1	В	114	Total	С	Ν	Ο	0	4	0
	D	114	843	522	141	180	0	4	U
1	С	114	Total	С	Ν	Ο	0	3	0
	C	114	846	524	145	177	0	J	
1	Л	114	Total	С	Ν	Ο	0	2	0
	1 D	114	828	514	139	175			U

• Molecule 1 is a protein called FUCOSE-BINDING LECTIN PA-IIL.

• Molecule 2 is an oligosaccharide called alpha-D-mannopyranose-(1-3)-alpha-D-mannopyran ose.



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
2	Ε	2	Total C O 23 12 11	0	0	0
2	F	2	Total C O 23 12 11	0	0	0
2	G	2	Total C O 23 12 11	0	0	0

• Molecule 3 is CALCIUM ION (three-letter code: CA) (formula: Ca).

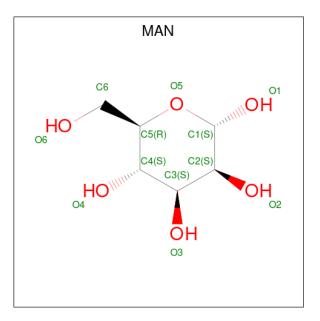
Mol	Chain Residues		Chain Residues Atoms		AltConf
3	А	2	Total Ca 2 2	0	0
3	В	2	Total Ca 2 2	0	0

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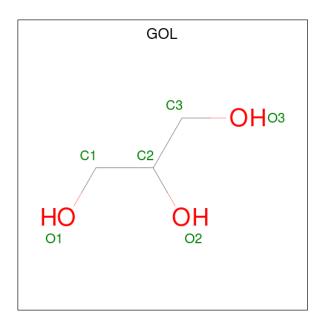
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	C	2	Total Ca 2 2	0	0
3	D	2	Total Ca 2 2	0	0

• Molecule 4 is alpha-D-mannopyranose (three-letter code: MAN) (formula: $C_6H_{12}O_6$).

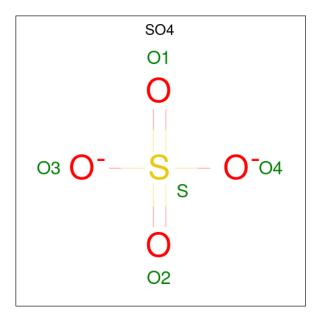


Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	А	1	Total 12	$\begin{array}{c} \mathrm{C} \\ \mathrm{6} \end{array}$	O 6	0	1





Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	А	1	$\begin{array}{ccc} \text{Total} & \text{C} & \text{O} \\ 6 & 3 & 3 \end{array}$	0	1



Mol	Chain	Residues	Atoms		ZeroOcc	AltConf	
6	С	1	Total 5	0 4	S 1	0	0

• Molecule 7 is water.



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
7	А	176	Total O 176 176	0	0
7	В	177	Total O 177 177	0	0
7	С	185	Total O 185 185	0	0
7	D	143	Total O 143 143	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: FUCOSE-BINDING LECTIN PA-IIL

Chain A:	95%	5%
A1 613 615 552 852 852	182 1100 111 111 111 111 111	
• Molecule 1	1: FUCOSE-BINDING LECTIN PA-IIL	
Chain B:	97%	·
A1 S52 V81 L82 L83 G114		
	1: FUCOSE-BINDING LECTIN PA-IIL	
Chain C:	95%	5%
A1 149 552 852 871 671	V81 1882 1882 897 897 6114	
• Molecule 1	1: FUCOSE-BINDING LECTIN PA-IIL	
Chain D:	93%	7%
A1 149 552 D75 L76 V77	V81 897 1108 C114	
• Molecule 2	2: alpha-D-mannopyranose-(1-3)-alpha-D-mannopyranose	
Chain E:	100%	
MAN1 MAN2		
• Molecule 2	2: alpha-D-mannopyranose-(1-3)-alpha-D-mannopyranose	
Chain F:	100%	



MAN1 MAN2

• Molecule 2: alpha-D-mannopyranose-(1-3)-alpha-D-mannopyranose

Chain G:

100%

MAN1 MAN2



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants	52.98Å 49.78Å 75.44Å	Depositor
a, b, c, α , β , γ	90.00° 93.34° 90.00°	Depositor
Resolution (Å)	44.52 - 1.40	Depositor
Resolution (A)	44.52 - 1.40	EDS
% Data completeness	99.3 (44.52-1.40)	Depositor
(in resolution range)	99.3 (44.52-1.40)	EDS
R _{merge}	0.04	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) > 1$	$5.04 (at 1.40 \text{\AA})$	Xtriage
Refinement program	REFMAC 5.8.0124	Depositor
D D.	0.122 , 0.163	Depositor
R, R_{free}	0.136 , 0.171	DCC
R_{free} test set	4016 reflections (5.23%)	wwPDB-VP
Wilson B-factor $(Å^2)$	8.2	Xtriage
Anisotropy	0.053	Xtriage
Bulk solvent $k_{sol}(e/Å^3), B_{sol}(Å^2)$	0.32, 41.1	EDS
L-test for twinning ²	$ < L >=0.47, < L^2>=0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.97	EDS
Total number of atoms	4141	wwPDB-VP
Average B, all atoms $(Å^2)$	10.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The largest off-origin peak in the Patterson function is 7.62% of the height of the origin peak. No significant pseudotranslation is detected.

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.



¹Intensities estimated from amplitudes.

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, MAN, SO4, CA

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		Bo	nd lengths	Bond angles	
IVIOI	Unam	RMSZ $\# Z > 5$		RMSZ	# Z > 5
1	А	0.88	2/852~(0.2%)	0.87	0/1166
1	В	0.89	2/852~(0.2%)	0.86	0/1166
1	С	0.86	1/855~(0.1%)	0.92	1/1168~(0.1%)
1	D	0.84	1/840~(0.1%)	0.86	1/1150~(0.1%)
All	All	0.87	6/3399~(0.2%)	0.88	2/4650~(0.0%)

The worst 5 of 6 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Ζ	Observed(Å)	Ideal(Å)
1	В	52[A]	SER	CB-OG	7.00	1.51	1.42
1	В	52[B]	SER	CB-OG	7.00	1.51	1.42
1	С	52	SER	CB-OG	6.62	1.50	1.42
1	А	52[A]	SER	CB-OG	6.35	1.50	1.42
1	А	52[B]	SER	CB-OG	6.35	1.50	1.42

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	\mathbf{Z}	$Observed(^{o})$	$Ideal(^{o})$
1	С	72	ARG	NE-CZ-NH1	7.06	123.83	120.30
1	D	75	ASP	CB-CG-OD2	-5.26	113.56	118.30

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



Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	А	843	0	814	6	0
1	В	843	0	812	4	0
1	С	846	0	830	4	0
1	D	828	0	808	5	0
2	Е	23	0	18	0	0
2	F	23	0	18	0	0
2	G	23	0	18	0	0
3	А	2	0	0	0	0
3	В	2	0	0	0	0
3	С	2	0	0	0	0
3	D	2	0	0	0	0
4	А	12	0	9	0	0
5	А	6	0	5	0	0
6	С	5	0	0	0	0
7	А	176	0	0	2	0
7	В	177	0	0	3	0
7	С	185	0	0	0	0
7	D	143	0	0	0	0
All	All	4141	0	3332	13	0

the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

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 2.

The worst 5 of 13 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:81[B]:VAL:HG21	1:B:81[B]:VAL:HG21	1.40	1.00
1:C:81[A]:VAL:HG21	1:D:81[A]:VAL:HG21	1.47	0.93
1:A:13[A]:GLN:OE1	7:A:2042:HOH:O	1.87	0.91
1:C:49:ILE:HD13	1:D:49:ILE:HD13	1.92	0.50
7:A:2144:HOH:O	1:B:83:LEU:HD22	2.15	0.46

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	Percen	ntiles
1	А	116/114~(102%)	113~(97%)	3~(3%)	0	100	100
1	В	116/114~(102%)	112 (97%)	4 (3%)	0	100	100
1	С	115/114~(101%)	111 (96%)	3~(3%)	1 (1%)	17	3
1	D	114/114 (100%)	111 (97%)	2(2%)	1 (1%)	17	3
All	All	461/456 (101%)	447 (97%)	12 (3%)	2(0%)	34	12

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	С	97	SER
1	D	97	SER

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	А	93/91~(102%)	93~(100%)	0	100 100
1	В	93/91~(102%)	93 (100%)	0	100 100
1	С	94/91~(103%)	94 (100%)	0	100 100
1	D	92/91~(101%)	92 (100%)	0	100 100
All	All	372/364~(102%)	372~(100%)	0	100 100

There are no protein residues with a non-rotameric sidechain to report.

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (1) such sidechains are listed below:

Mol	Chain	Res	Type
1	А	31	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)

6 monosaccharides 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	Turne	Chain	Res	Link	Bo	ond leng	ths	В	ond ang	les
	Type	Chain	nes		Counts	RMSZ	# Z >2	Counts	RMSZ	# Z >2
2	MAN	Е	1	2	12,12,12	0.68	0	$17,\!17,\!17$	1.33	3 (17%)
2	MAN	Е	2	2,3	11,11,12	1.29	0	$15,\!15,\!17$	1.45	3 (20%)
2	MAN	F	1	2	12,12,12	0.99	1 (8%)	17,17,17	1.03	0
2	MAN	F	2	2,3	11,11,12	1.20	1 (9%)	$15,\!15,\!17$	1.46	3 (20%)
2	MAN	G	1	2	12,12,12	0.76	0	17,17,17	1.37	3 (17%)
2	MAN	G	2	2,3	11,11,12	0.97	1 (9%)	$15,\!15,\!17$	1.34	3 (20%)

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	MAN	Е	1	2	-	0/2/22/22	0/1/1/1
2	MAN	Е	2	2,3	-	0/2/19/22	0/1/1/1
2	MAN	F	1	2	-	2/2/22/22	0/1/1/1
2	MAN	F	2	2,3	-	0/2/19/22	0/1/1/1
2	MAN	G	1	2	-	0/2/22/22	0/1/1/1
2	MAN	G	2	2,3	-	0/2/19/22	0/1/1/1



Mol	Chain	Res	Type	Atoms	Ζ	Observed(Å)	$\mathrm{Ideal}(\mathrm{\AA})$
2	F	1	MAN	O3-C3	2.71	1.49	1.43
2	G	2	MAN	C2-C3	2.63	1.56	1.52
2	F	2	MAN	C4-C5	2.27	1.57	1.53

All (3) bond length outliers are listed below:

The worst 5 of 15 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$Observed(^{o})$	$Ideal(^{o})$
2	F	2	MAN	C1-C2-C3	3.33	113.76	109.67
2	G	1	MAN	O3-C3-C4	-2.91	103.62	110.35
2	Е	2	MAN	O5-C5-C6	2.90	111.76	107.20
2	G	1	MAN	O3-C3-C2	2.82	116.88	110.35
2	F	2	MAN	O4-C4-C5	2.56	115.65	109.30

There are no chirality outliers.

All (2) torsion outliers are listed below:

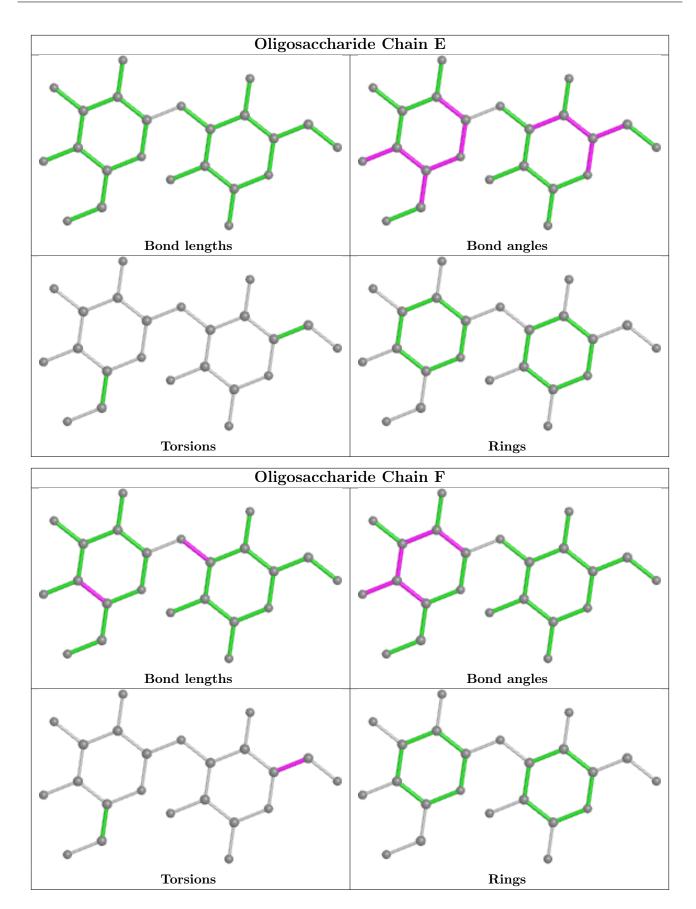
Mol	Chain	Res	Type	Atoms
2	F	1	MAN	O5-C5-C6-O6
2	F	1	MAN	C4-C5-C6-O6

There are no ring outliers.

No monomer is involved in short contacts.

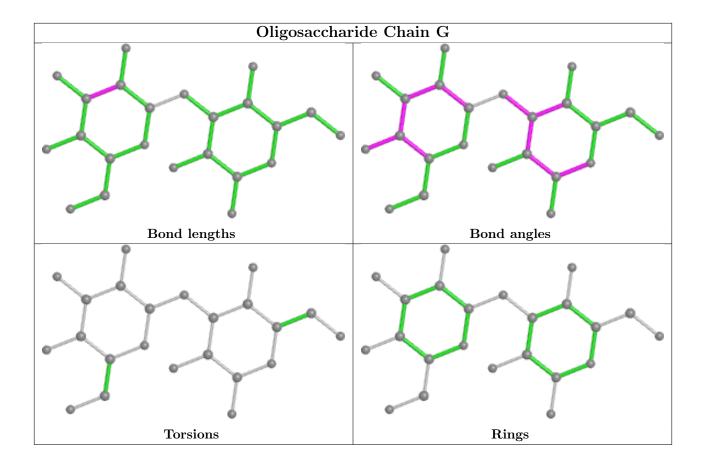
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for oligosaccharide.











5.6 Ligand geometry (i)

Of 11 ligands modelled in this entry, 8 are monoatomic - leaving 3 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	Turne	pe Chain Res		Link	Bo	Bond lengths			Bond angles		
	Type	Unam	nes	LIIIK	Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2	
5	GOL	А	203[B]	3	$5,\!5,\!5$	0.24	0	$5,\!5,\!5$	0.24	0	
4	MAN	А	202[A]	3	12,12,12	0.75	0	17,17,17	1.43	3 (17%)	
6	SO4	С	203	-	4,4,4	0.76	0	$6,\!6,\!6$	0.92	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	GOL	А	203[B]	3	-	0/4/4/4	-
4	MAN	А	202[A]	3	-	2/2/22/22	0/1/1/1

There are no bond length outliers.

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$\mathbf{Observed}(^{o})$	$Ideal(^{o})$
4	А	202[A]	MAN	O5-C1-C2	3.20	115.99	110.28
4	А	202[A]	MAN	O4-C4-C5	2.95	116.61	109.30
4	А	202[A]	MAN	C1-C2-C3	2.18	114.84	110.31

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
4	А	202[A]	MAN	O5-C5-C6-O6
4	А	202[A]	MAN	C4-C5-C6-O6

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 (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, 95^{th} 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	$\langle RSRZ \rangle$	#RSRZ>2	$OWAB(Å^2)$	Q < 0.9
1	А	114/114~(100%)	-0.49	0 100 100	5, 9, 15, 25	0
1	В	114/114 (100%)	-0.50	0 100 100	5, 8, 14, 25	0
1	С	114/114~(100%)	-0.55	1 (0%) 84 82	4, 6, 11, 23	1 (0%)
1	D	114/114 (100%)	-0.52	0 100 100	5, 7, 13, 24	0
All	All	456/456~(100%)	-0.51	1 (0%) 95 93	4, 7, 14, 25	1 (0%)

All (1) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	С	70	ASN	2.2

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)

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, 95^{th} 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.

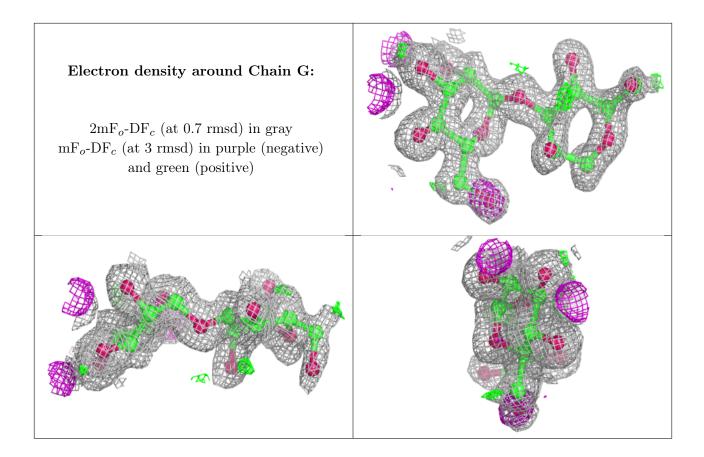
Mol	Type	Chain	Res	Atoms	RSCC	RSR	$\operatorname{B-factors}(\operatorname{\AA}^2)$	Q<0.9
2	MAN	Ε	1	12/12	0.75	0.21	14,19,21,21	12
2	MAN	Е	2	11/12	0.93	0.11	9,10,14,21	0
2	MAN	G	1	12/12	0.93	0.11	9,19,26,26	12
2	MAN	F	1	12/12	0.94	0.16	11,20,26,32	0
2	MAN	F	2	11/12	0.96	0.08	5,7,9,12	0
2	MAN	G	2	11/12	0.96	0.08	6,8,10,15	0



The following is a graphical depiction of the model fit to experimental electron density for oligosac-

charide. Each fit is shown from different orientation to approximate a three-dimensional view. B Electron density around Chain E: $2\mathrm{mF}_o\text{-}\mathrm{DF}_c$ (at 0.7 rmsd) in gray $\mathrm{mF}_o\text{-}\mathrm{DF}_c$ (at 3 rmsd) in purple (negative) and green (positive) Electron density around Chain F: $2\mathrm{mF}_o\text{-}\mathrm{DF}_c$ (at 0.7 rmsd) in gray mF_o -DF_c (at 3 rmsd) in purple (negative) and green (positive)





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, 95^{th} 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
6	SO4	С	203	5/5	0.95	0.18	$10,\!11,\!13,\!16$	5
4	MAN	А	202[A]	12/12	0.96	0.09	10,14,18,23	12
5	GOL	А	203[B]	6/6	0.98	0.06	$9,\!11,\!13,\!13$	6
3	CA	В	200	1/1	1.00	0.03	8,8,8,8	0
3	CA	С	199	1/1	1.00	0.03	5, 5, 5, 5	0
3	CA	С	200	1/1	1.00	0.04	5, 5, 5, 5	0
3	CA	D	199	1/1	1.00	0.04	5, 5, 5, 5	0
3	CA	D	200	1/1	1.00	0.04	5, 5, 5, 5	0
3	CA	А	199	1/1	1.00	0.04	9,9,9,9	0
3	CA	А	200	1/1	1.00	0.03	8,8,8,8	0
3	CA	В	199	1/1	1.00	0.04	$9,\!9,\!9,\!9$	0



6.5 Other polymers (i)

There are no such residues in this entry.

