Full wwPDB X-ray Structure Validation Report (i)

Aug 27, 2020 – 01:38 PM BST

PDB ID	:	6NWZ
Title	:	Crystal structure of Agd3 a novel carbohydrate deacetylase
Authors	:	Bamford, N.C.; Howell, P.L.
Deposited on	:	2019-02-07
Resolution	:	2.60 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 (i) symbol.

The following versions of software and data (see references (1)) were used in the production of this report:

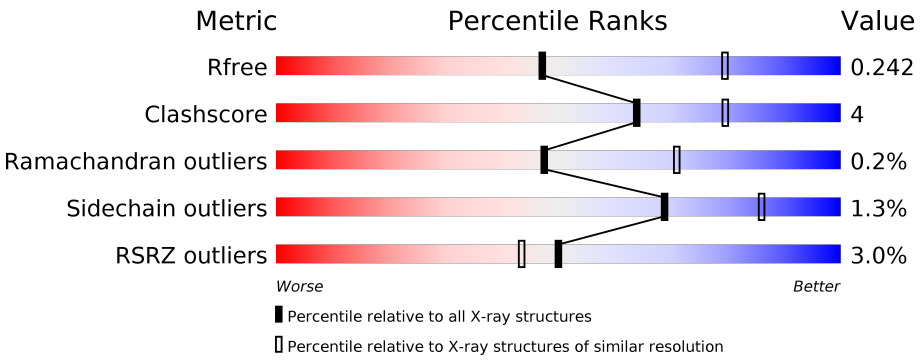
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.13
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.13

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 2.60 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}	130704	3163 (2.60-2.60)
Clashscore	141614	3518 (2.60-2.60)
Ramachandran outliers	138981	3455 (2.60-2.60)
Sidechain outliers	138945	3455 (2.60-2.60)
RSRZ outliers	127900	3104 (2.60-2.60)

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 on 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	A	684	3% 87% 9% .
2	B	2	100%
2	C	2	100%

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
2	NAG	B	2	-	-	-	X
2	NAG	C	2	-	-	-	X
4	MAN	A	906	-	-	-	X

2 Entry composition (i)

There are 7 unique types of molecules in this entry. The entry contains 5305 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 Carbohydrate deacetylase Agd3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	665	5095	3225	851	999	20	0	0	0

There are 18 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	123	MET	-	initiating methionine	UNP Q4WX15
A	124	GLY	-	expression tag	UNP Q4WX15
A	125	SER	-	expression tag	UNP Q4WX15
A	126	SER	-	expression tag	UNP Q4WX15
A	127	HIS	-	expression tag	UNP Q4WX15
A	128	HIS	-	expression tag	UNP Q4WX15
A	129	HIS	-	expression tag	UNP Q4WX15
A	130	HIS	-	expression tag	UNP Q4WX15
A	131	HIS	-	expression tag	UNP Q4WX15
A	132	HIS	-	expression tag	UNP Q4WX15
A	133	SER	-	expression tag	UNP Q4WX15
A	134	SER	-	expression tag	UNP Q4WX15
A	135	GLY	-	expression tag	UNP Q4WX15
A	136	LEU	-	expression tag	UNP Q4WX15
A	137	VAL	-	expression tag	UNP Q4WX15
A	138	PRO	-	expression tag	UNP Q4WX15
A	139	ARG	-	expression tag	UNP Q4WX15
A	140	GLY	-	expression tag	UNP Q4WX15

- Molecule 2 is an oligosaccharide called 2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
2	B	2	28	16	2	10	0	0	0

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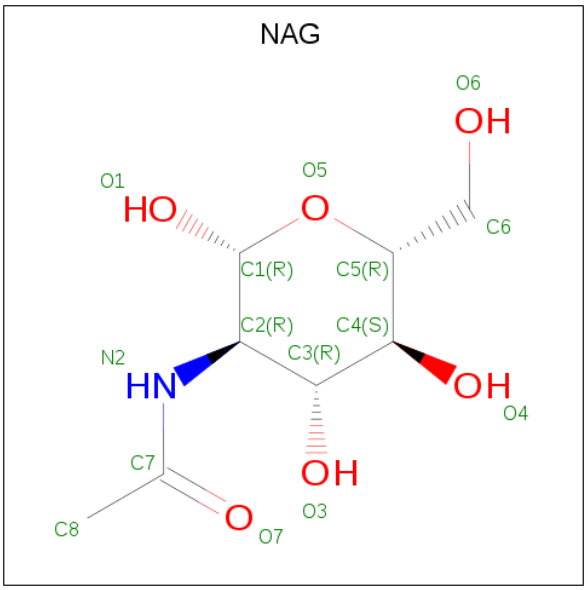
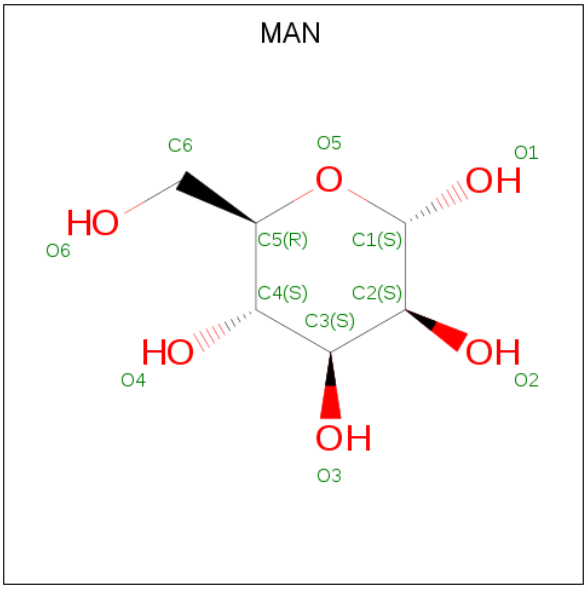
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
2	C	2	28	16	2	10	0	0	0

- Molecule 3 is 2-acetamido-2-deoxy-beta-D-glucopyranose (three-letter code: NAG) (formula: $C_8H_{15}NO_6$).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
			Total	C	N	O		
3	A	1	14	8	1	5	0	0

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



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	C	O		
4	A	1	11	6	5	0	0

- Molecule 5 is CHLORIDE ION (three-letter code: CL) (formula: Cl).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	Cl		
5	A	3	3	3	0	0

- Molecule 6 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	Zn		
6	A	6	6	6	0	0

- Molecule 7 is water.

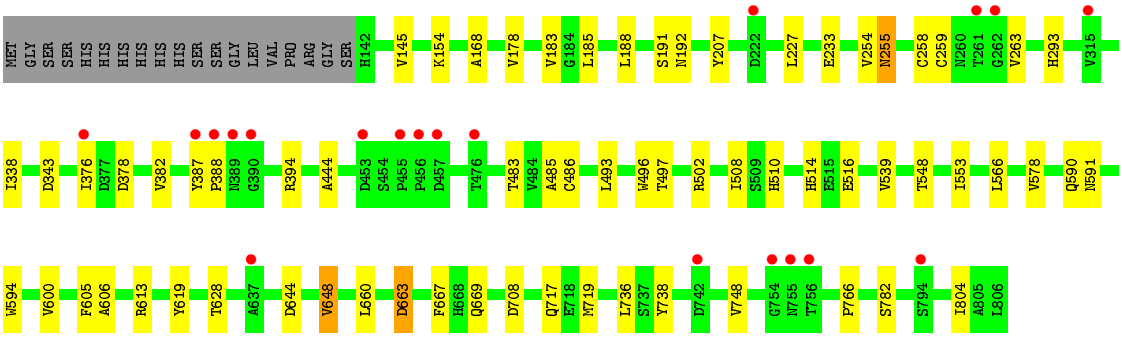
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	O		
7	A	120	120	120	0	0

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.

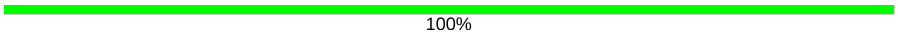
• Molecule 1: Carbohydrate deacetylase Agd3

Chain A:



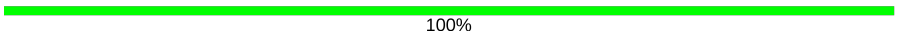
• Molecule 2: 2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain B:



• Molecule 2: 2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain C:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 61 2 2	Depositor
Cell constants a, b, c, α, β, γ	77.97Å 77.97Å 640.31Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	29.86 – 2.60 29.86 – 2.60	Depositor EDS
% Data completeness (in resolution range)	86.2 (29.86-2.60) 86.2 (29.86-2.60)	Depositor EDS
R_{merge}	0.02	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	8.35 (at 2.61Å)	Xtriage
Refinement program	PHENIX 1.14_3260	Depositor
R, R_{free}	0.190 , 0.242 0.190 , 0.242	Depositor DCC
R_{free} test set	1692 reflections (5.25%)	wwPDB-VP
Wilson B-factor (Å^2)	41.8	Xtriage
Anisotropy	0.124	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.35 , 43.9	EDS
L-test for twinning[2]	$< \|L\| > = 0.50$, $< L^2 > = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.94	EDS
Total number of atoms	5305	wwPDB-VP
Average B, all atoms (Å^2)	47.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.31% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ 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: ZN, CL, NAG, MAN

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	0.26	0/5234	0.45	0/7176

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	5095	0	4800	42	0
2	B	28	0	25	0	0
2	C	28	0	25	0	0
3	A	14	0	13	1	0
4	A	11	0	10	0	0
5	A	3	0	0	0	0
6	A	6	0	0	0	0
7	A	120	0	0	0	0
All	All	5305	0	4873	42	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.

All (42) 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:258:CYS:SG	1:A:259:CYS:N	2.42	0.88
1:A:168:ALA:HB1	1:A:660:LEU:HB2	1.81	0.63
1:A:663:ASP:N	1:A:663:ASP:OD1	2.34	0.59
1:A:382:VAL:HG22	1:A:394:ARG:HB2	1.84	0.59
1:A:387:TYR:HB3	1:A:388:PRO:HD3	1.84	0.59
1:A:258:CYS:HB2	1:A:293:HIS:CE1	2.39	0.58
1:A:259:CYS:HB3	1:A:263:VAL:HB	1.85	0.57
1:A:514:HIS:ND1	1:A:514:HIS:O	2.39	0.56
1:A:578:VAL:HG21	1:A:613:ARG:HD3	1.87	0.56
1:A:258:CYS:HB3	1:A:293:HIS:O	2.06	0.56
1:A:191:SER:H	3:A:901:NAG:H83	1.71	0.55
1:A:178:VAL:HG13	1:A:183:VAL:HG12	1.88	0.55
1:A:483:THR:HG22	1:A:485:ALA:H	1.73	0.54
1:A:548:THR:HG23	1:A:717:GLN:HB2	1.90	0.53
1:A:254:VAL:O	1:A:255:ASN:HB2	2.08	0.52
1:A:258:CYS:HB3	1:A:293:HIS:H	1.75	0.51
1:A:191:SER:OG	1:A:192:ASN:N	2.42	0.50
1:A:258:CYS:HB2	1:A:293:HIS:CD2	2.46	0.50
1:A:736:LEU:HD11	1:A:748:VAL:HB	1.94	0.50
1:A:493:LEU:HD11	1:A:539:VAL:HG21	1.93	0.48
1:A:510:HIS:ND1	1:A:553:ILE:O	2.46	0.48
1:A:258:CYS:HB2	1:A:293:HIS:NE2	2.29	0.47
1:A:600:VAL:HG23	1:A:606:ALA:HB2	1.97	0.47
1:A:497:THR:HG22	1:A:539:VAL:HG13	1.96	0.46
1:A:154:LYS:HD2	1:A:207:TYR:CZ	2.51	0.46
1:A:188:LEU:HD11	1:A:227:LEU:HD23	2.00	0.44
1:A:591:ASN:HB3	1:A:594:TRP:CD2	2.52	0.44
1:A:508:ILE:HG13	1:A:548:THR:HB	2.00	0.44
1:A:644:ASP:O	1:A:648:VAL:HG13	2.17	0.44
1:A:154:LYS:HD2	1:A:207:TYR:CE1	2.51	0.44
1:A:444:ALA:O	1:A:486:CYS:HB2	2.18	0.43
1:A:766:PRO:HG2	1:A:804:ILE:HD11	2.00	0.43
1:A:376:ILE:HD13	1:A:667:PHE:HB2	2.00	0.43
1:A:145:VAL:HB	1:A:738:TYR:CZ	2.53	0.43
1:A:343:ASP:OD1	1:A:343:ASP:N	2.44	0.42
1:A:293:HIS:HB3	1:A:338:ILE:HG13	2.01	0.42
1:A:378:ASP:O	1:A:669:GLN:HG2	2.20	0.41
1:A:619:TYR:H	1:A:628:THR:HG22	1.84	0.41
1:A:566:LEU:HD12	1:A:605:PHE:HB3	2.02	0.41
1:A:578:VAL:CG2	1:A:613:ARG:HB2	2.51	0.40
1:A:496:TRP:O	1:A:502:ARG:HB2	2.22	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:708:ASP:OD1	1:A:782:SER:OG	2.38	0.40

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	663/684 (97%)	639 (96%)	23 (4%)	1 (0%)	47 71

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	255	ASN

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	A	541/562 (96%)	534 (99%)	7 (1%)	69 86

All (7) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	185	LEU
1	A	233	GLU

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Mol	Chain	Res	Type
1	A	516	GLU
1	A	590	GLN
1	A	648	VAL
1	A	663	ASP
1	A	719	MET

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

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)

4 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	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
2	NAG	B	1	1,2	14,14,15	0.31	0	17,19,21	0.50	0
2	NAG	B	2	2	14,14,15	0.29	0	17,19,21	0.39	0
2	NAG	C	1	1,2	14,14,15	0.30	0	17,19,21	0.42	0
2	NAG	C	2	2	14,14,15	0.27	0	17,19,21	0.45	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	NAG	B	1	1,2	-	0/6/23/26	0/1/1/1
2	NAG	B	2	2	-	2/6/23/26	0/1/1/1
2	NAG	C	1	1,2	-	0/6/23/26	0/1/1/1
2	NAG	C	2	2	-	2/6/23/26	0/1/1/1

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (4) torsion outliers are listed below:

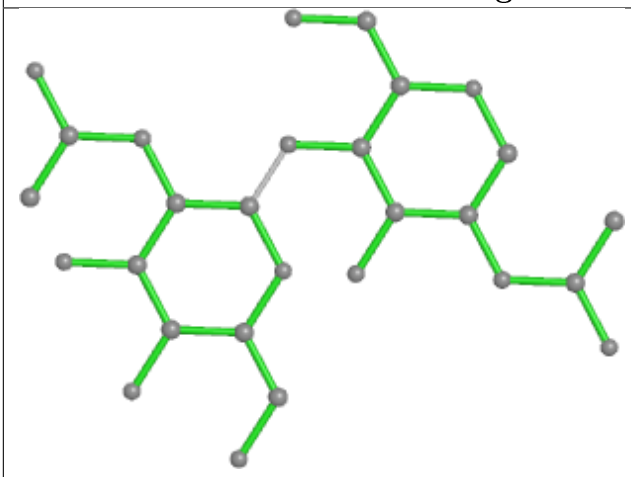
Mol	Chain	Res	Type	Atoms
2	B	2	NAG	O5-C5-C6-O6
2	C	2	NAG	O5-C5-C6-O6
2	B	2	NAG	C4-C5-C6-O6
2	C	2	NAG	C4-C5-C6-O6

There are no ring outliers.

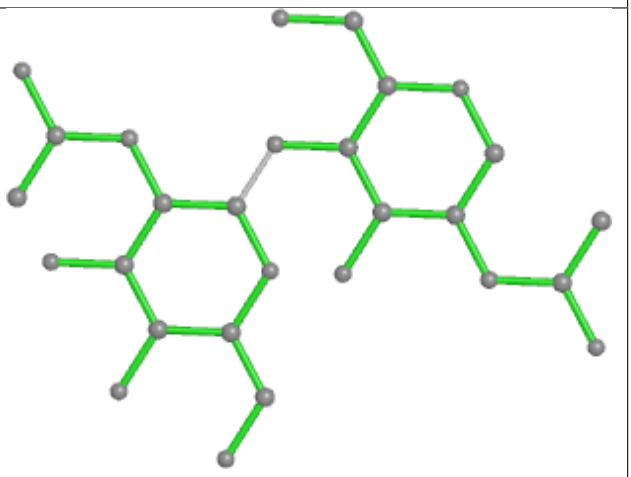
No monomer is involved in short contacts.

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

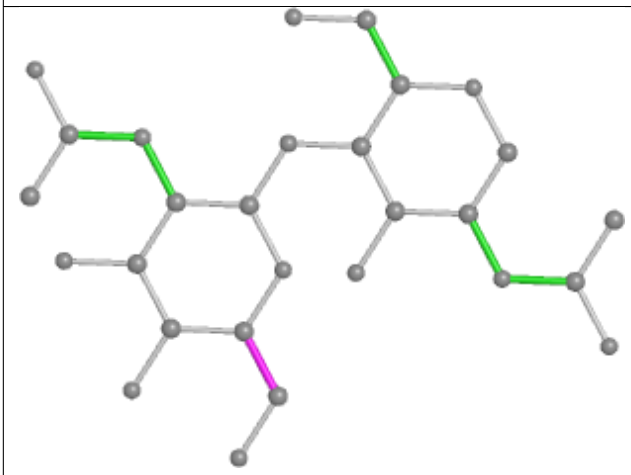
Oligosaccharide Chain B



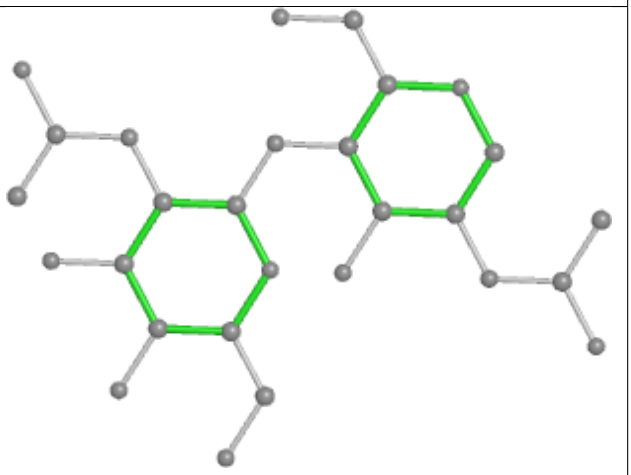
Bond lengths



Bond angles

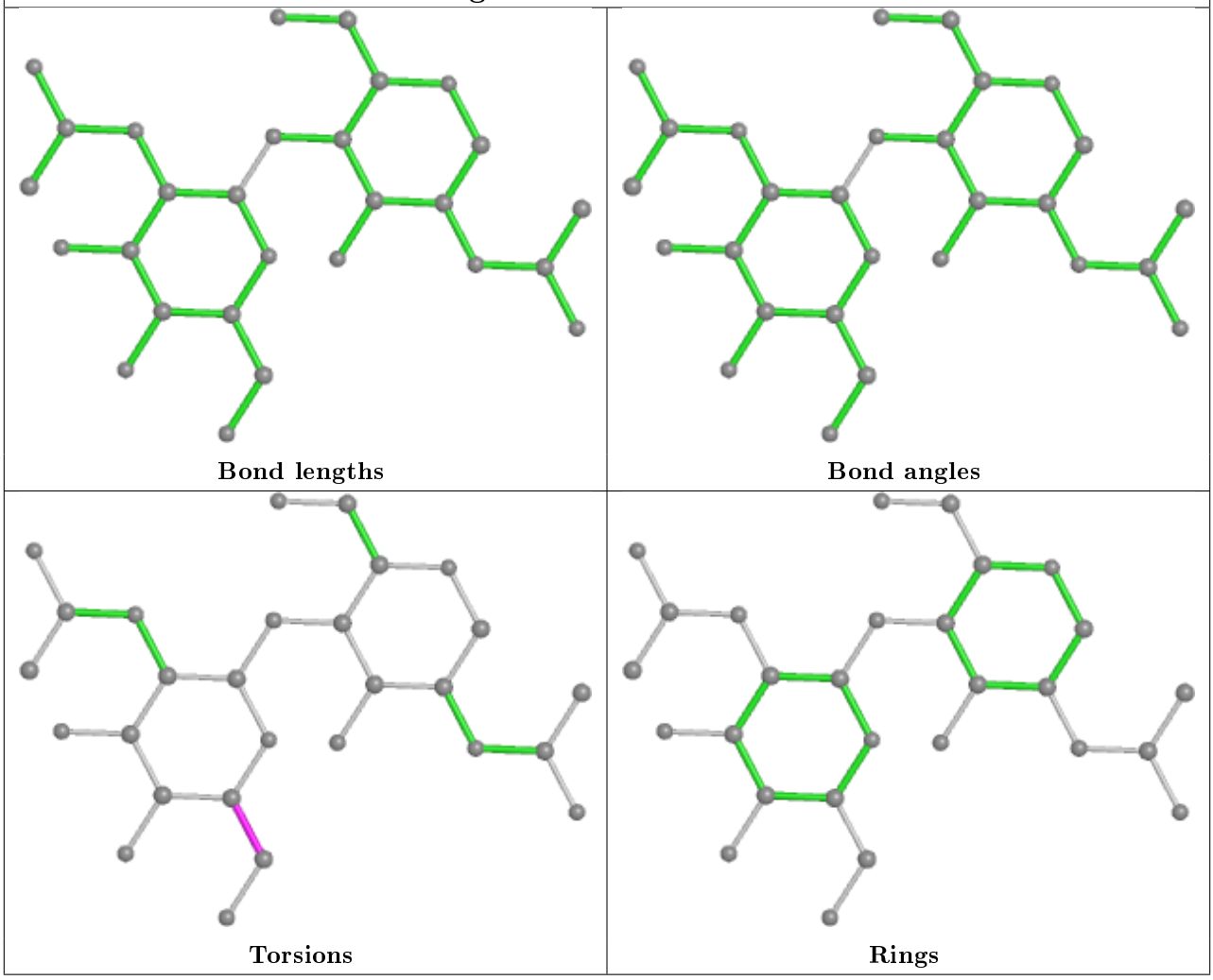


Torsions



Rings

Oligosaccharide Chain C



5.6 Ligand geometry (i)

Of 11 ligands modelled in this entry, 9 are monoatomic - leaving 2 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	$\#\|Z\| > 2$
3	NAG	A	901	1	14,14,15	0.27	0	17,19,21	0.48	0
4	MAN	A	906	1	11,11,12	0.92	0	15,15,17	1.33	2 (13%)

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	NAG	A	901	1	-	2/6/23/26	0/1/1/1
4	MAN	A	906	1	-	2/2/19/22	0/1/1/1

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	A	906	MAN	C1-O5-C5	4.11	117.76	112.19
4	A	906	MAN	O2-C2-C3	-2.10	105.94	110.14

There are no chirality outliers.

All (4) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	901	NAG	C8-C7-N2-C2
3	A	901	NAG	O7-C7-N2-C2
4	A	906	MAN	O5-C5-C6-O6
4	A	906	MAN	C4-C5-C6-O6

There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	A	901	NAG	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	665/684 (97%)	-0.17	20 (3%) 50 43	24, 45, 74, 99	0

All (20) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	387	TYR	4.2
1	A	456	PRO	3.2
1	A	390	GLY	3.1
1	A	261	THR	2.8
1	A	453	ASP	2.6
1	A	389	ASN	2.5
1	A	755	ASN	2.4
1	A	222	ASP	2.3
1	A	457	ASP	2.3
1	A	315	VAL	2.3
1	A	754	GLY	2.3
1	A	388	PRO	2.3
1	A	455	PRO	2.2
1	A	476	THR	2.2
1	A	262	GLY	2.1
1	A	794	SER	2.1
1	A	756	THR	2.1
1	A	742	ASP	2.1
1	A	376	ILE	2.1
1	A	637	ALA	2.1

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)

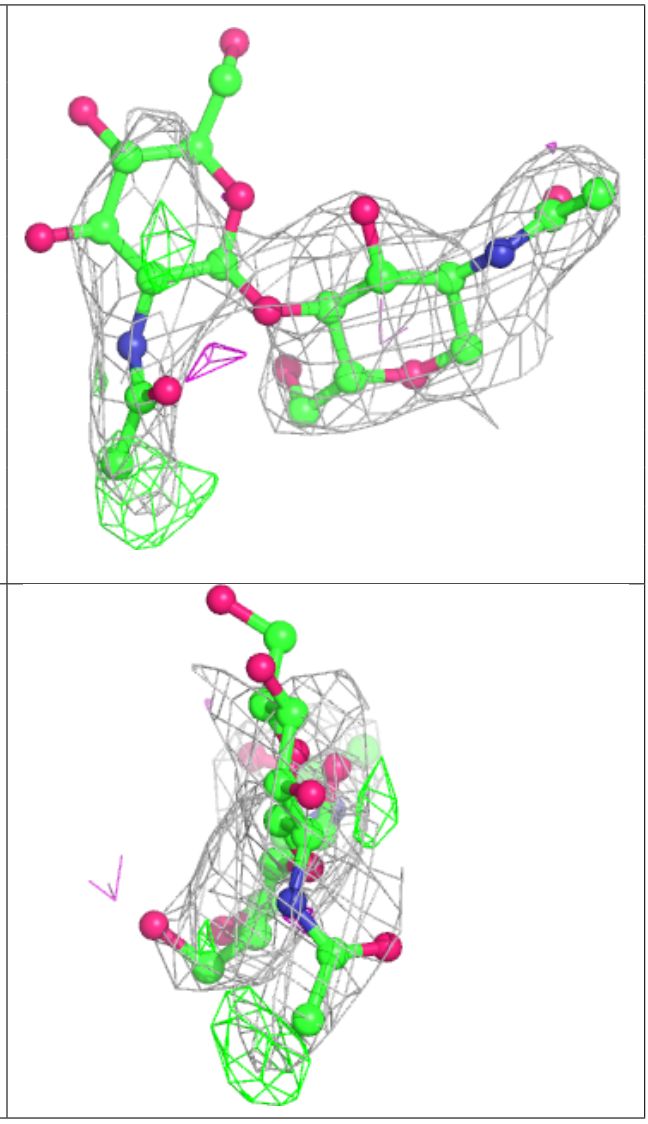
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists 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	NAG	B	2	14/15	0.71	0.51	57,111,124,128	0
2	NAG	C	2	14/15	0.79	0.54	74,110,118,120	0
2	NAG	C	1	14/15	0.92	0.34	37,82,94,95	0
2	NAG	B	1	14/15	0.93	0.35	43,79,87,107	0

The following is a graphical depiction of the model fit to experimental electron density for oligosaccharide. Each fit is shown from different orientation to approximate a three-dimensional view.

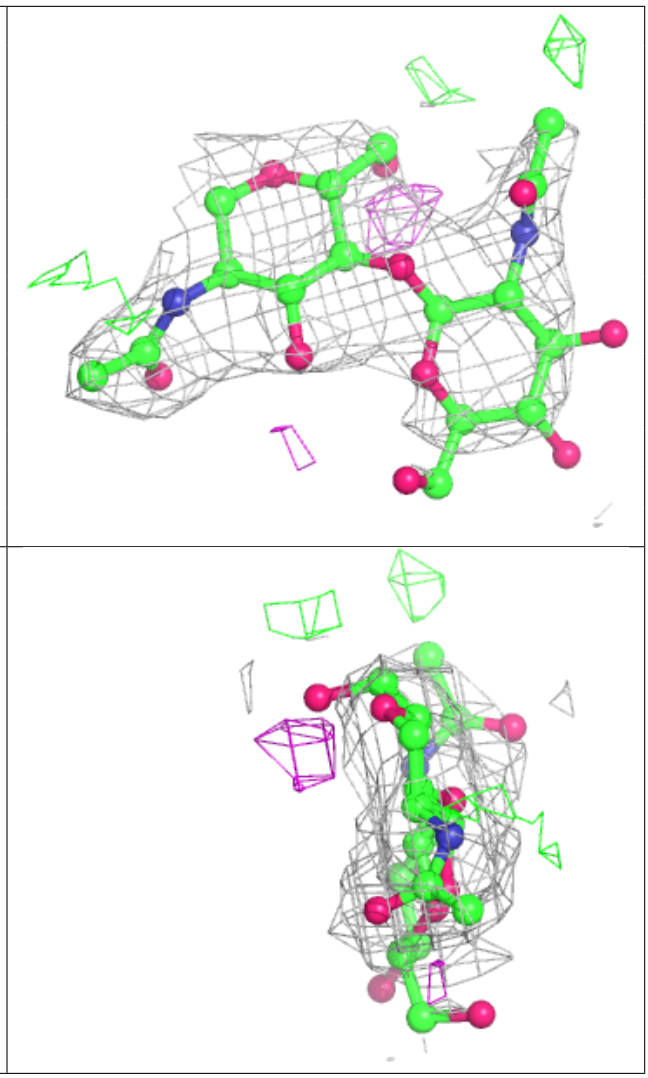
Electron density around Chain B:

2mF$_o$-DF$_c$ (at 0.7 rmsd) in gray
mF$_o$-DF$_c$ (at 3 rmsd) in purple (negative) and green (positive)



Electron density around Chain C:

$2mF_o$-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, 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
6	ZN	A	911	1/1	0.76	0.13	126,126,126,126	0
4	MAN	A	906	11/12	0.80	0.40	73,83,97,103	0
5	CL	A	908	1/1	0.80	0.13	83,83,83,83	0
3	NAG	A	901	14/15	0.81	0.47	65,93,108,109	0
5	CL	A	907	1/1	0.86	0.32	77,77,77,77	0
6	ZN	A	915	1/1	0.87	0.10	130,130,130,130	0
6	ZN	A	914	1/1	0.92	0.26	74,74,74,74	0
5	CL	A	909	1/1	0.96	0.13	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
6	ZN	A	912	1/1	0.96	0.04	107,107,107,107	1
6	ZN	A	910	1/1	0.98	0.06	85,85,85,85	0
6	ZN	A	913	1/1	0.99	0.13	54,54,54,54	0

6.5 Other polymers (i)

There are no such residues in this entry.