

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	2	Total	Br	0	0
			2	2		

- Molecule 6 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	A	401	Total	O	0	0
			401	401		

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	204	ASP
1	A	372	PRO

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	876/934 (94%)	863 (98%)	13 (2%)	57 64

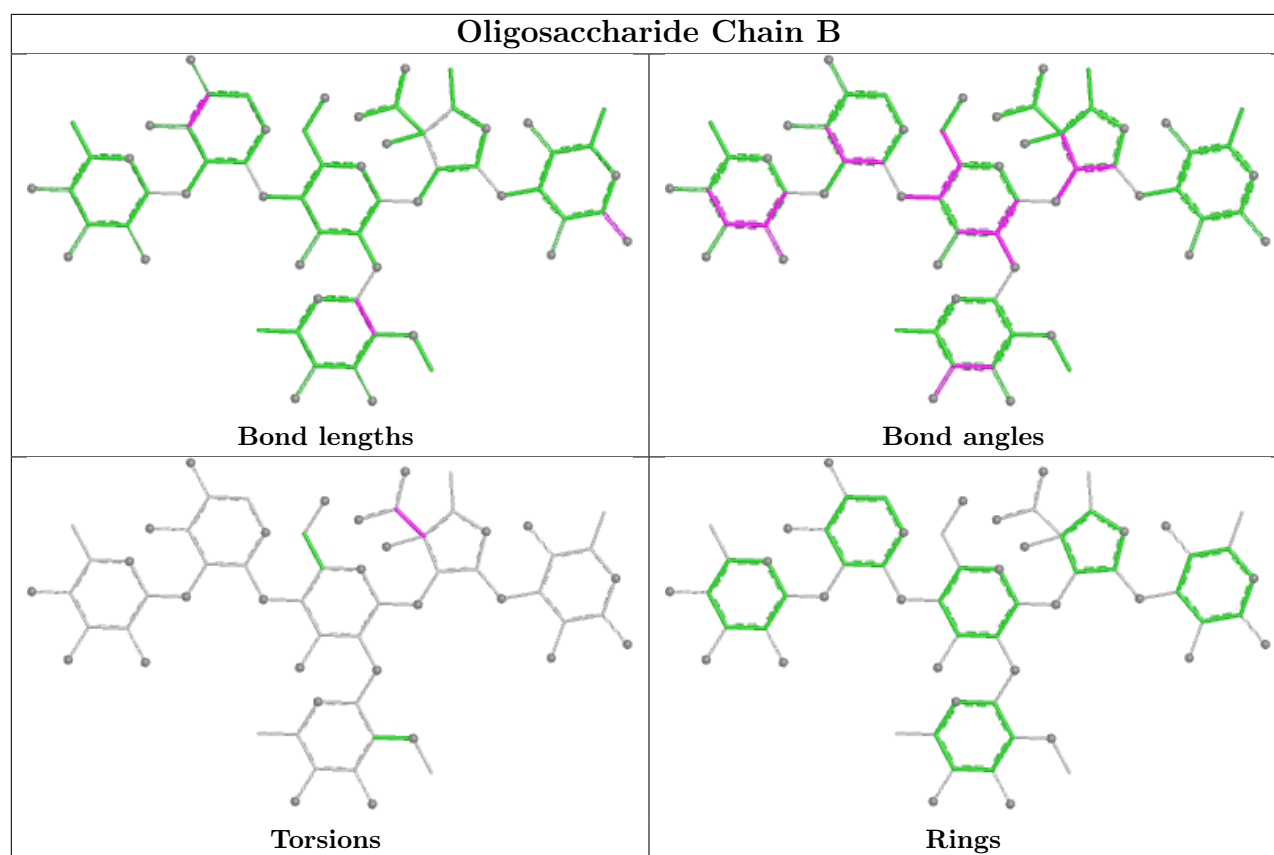
All (13) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	37	ASN
1	A	77	LEU
1	A	274	GLN
1	A	385	THR
1	A	397	LEU
1	A	470	THR
1	A	534	GLN
1	A	589	ILE
1	A	743	SER
1	A	947	THR
1	A	997	LYS
1	A	1016	LEU
1	A	1102	ASN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (6) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	36	GLN
1	A	141	GLN
1	A	335	GLN
1	A	573	ASN
1	A	913	ASN

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5.6 Ligand geometry [i](#)

Of 4 ligands modelled in this entry, 4 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

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.

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Mol	Chain	Res	Type	RSRZ
1	A	159	HIS	2.0

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

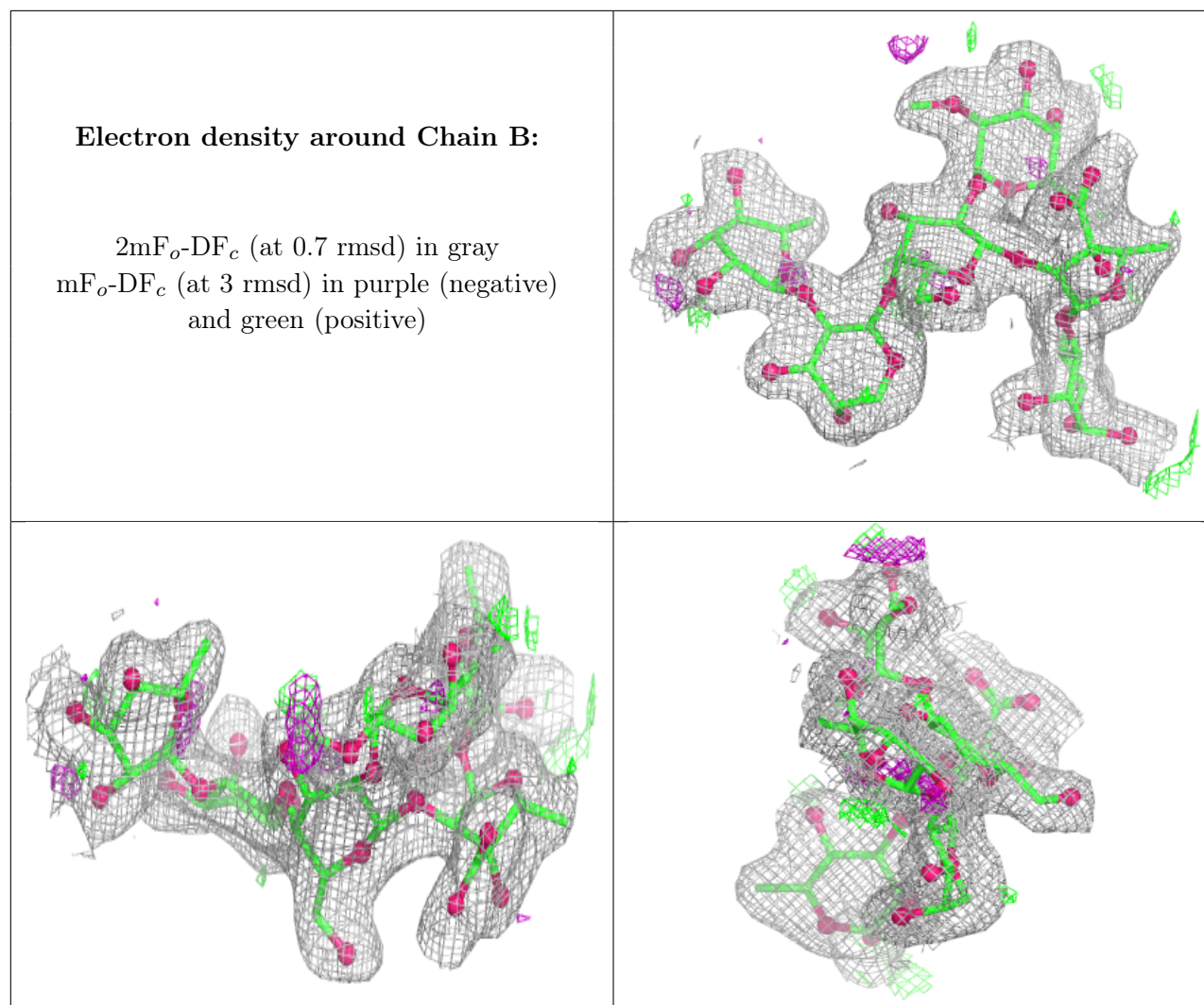
There are no non-standard protein/DNA/RNA residues in this entry.

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($\text{\AA}^2$)	Q<0.9
2	RAM	B	5	10/11	0.88	0.12	35,41,44,44	0
2	ARA	B	4	9/10	0.89	0.11	29,31,35,39	0
2	8PK	B	6	11/15	0.90	0.10	25,29,30,31	0
2	8OQ	B	2	11/12	0.91	0.10	33,38,42,42	0
2	GAL	B	3	11/12	0.92	0.09	29,34,36,38	0
2	RAM	B	1	11/11	0.92	0.08	27,28,31,35	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.



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($\text{\AA}^2$)	Q<0.9
4	CA	A	1208	1/1	0.96	0.09	52,52,52,52	0
5	BR	A	1210	1/1	0.99	0.10	38,38,38,38	0
5	BR	A	1209	1/1	1.00	0.04	28,28,28,28	0
3	IOD	A	1207	1/1	1.00	0.05	37,37,37,37	0

6.5 Other polymers [i](#)

There are no such residues in this entry.