



wwPDB X-ray Structure Validation Summary Report ⓘ

Apr 25, 2026 – 07:18 PM EDT

PDB ID : 6YSQ / pdb_00006ysq
Title : The hC4Nb8 complement inhibitory nanobody in complex with C4b
Authors : Zarantonello, A.; Laursen, N.S.; Andersen, G.R.
Deposited on : 2020-04-23
Resolution : 3.30 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

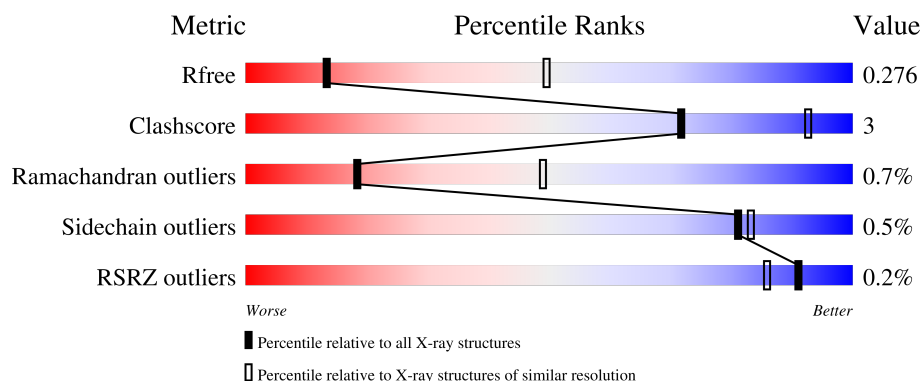
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.30 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.



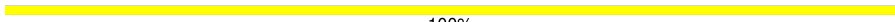
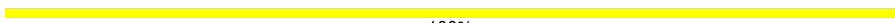
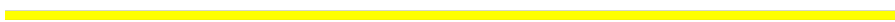
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1169 (3.32-3.28)
Clashscore	190562	1209 (3.32-3.28)
Ramachandran outliers	187476	1188 (3.32-3.28)
Sidechain outliers	187428	1187 (3.32-3.28)
RSRZ outliers	180081	1169 (3.32-3.28)

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	656	 91% 8% .
1	B	656	 88% 11% .
2	C	690	 82% 10% 8%
2	D	690	 83% 9% 8%
3	E	291	 2% 84% 12% 5%

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Mol	Chain	Length	Quality of chain
3	F	291	 87% 8% 5%
4	G	132	 83% 11% 6%
4	H	132	 83% 11% 6%
5	I	3	 100%
5	J	3	 100%
5	K	3	 100%
5	L	3	 100%

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 26297 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 Complement C4 beta chain.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	651	Total	C	N	O	S	0	0	0
			5012	3185	872	939	16			
1	B	651	Total	C	N	O	S	0	0	0
			5012	3185	872	939	16			

- Molecule 2 is a protein called Complement C4-A alpha chain.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	C	633	Total	C	N	O	S	0	0	0
			4884	3089	845	935	15			
2	D	635	Total	C	N	O	S	0	0	0
			4899	3099	847	937	16			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C	1013	GLU	GLN	variant	UNP P0C0L4
C	1201	SER	THR	variant	UNP P0C0L4
D	1013	GLU	GLN	variant	UNP P0C0L4
D	1201	SER	THR	variant	UNP P0C0L4

- Molecule 3 is a protein called Complement C4 gamma chain.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	E	277	Total	C	N	O	S	0	0	0
			2211	1390	396	408	17			
3	F	277	Total	C	N	O	S	0	0	0
			2211	1390	396	408	17			

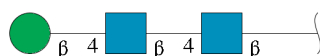
There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
E	1735	ASN	GLN	conflict	UNP P0C0L5
E	1737	PHE	TYR	conflict	UNP P0C0L5
F	1735	ASN	GLN	conflict	UNP P0C0L5
F	1737	PHE	TYR	conflict	UNP P0C0L5

- Molecule 4 is a protein called hC4Nb8 nanobody.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	G	124	Total	C	N	O	S	0	0	0
			956	597	168	186	5			
4	H	124	Total	C	N	O	S	0	0	0
			956	597	168	186	5			

- Molecule 5 is an oligosaccharide called beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose.

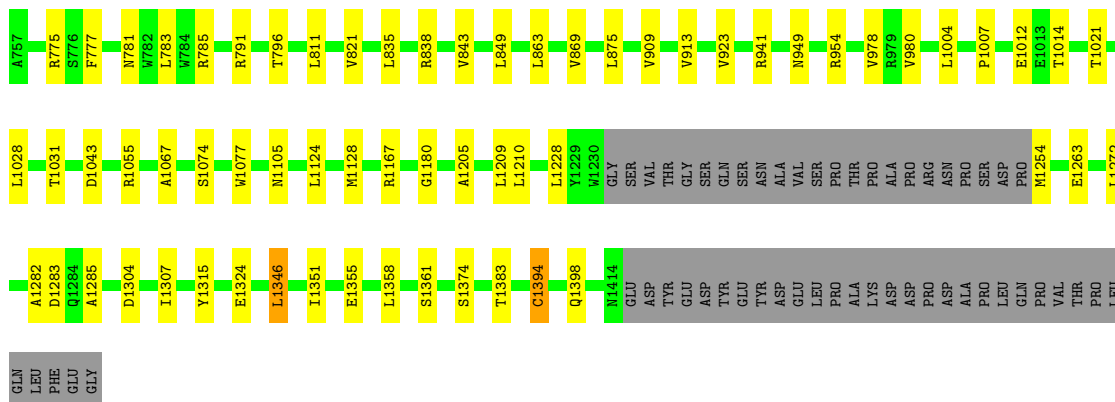


Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	I	3	Total	C	N	O		0	0	0
			39	22	2	15				
5	J	3	Total	C	N	O		0	0	0
			39	22	2	15				
5	K	3	Total	C	N	O		0	0	0
			39	22	2	15				
5	L	3	Total	C	N	O		0	0	0
			39	22	2	15				

ALA
PRO
LEU
GLN
PRO
VAL
THR
PRO
LEU
GLN
LEU
PHE
GLU
GLY

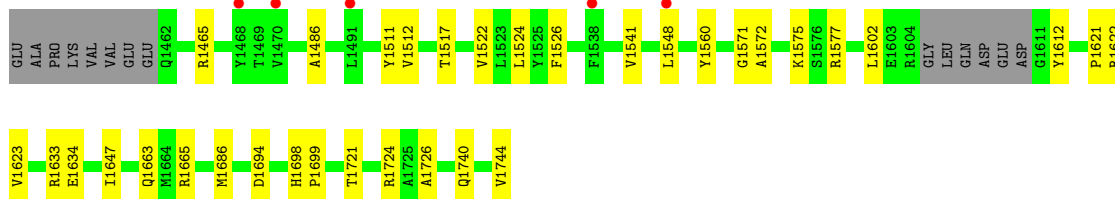
• Molecule 2: Complement C4-A alpha chain

Chain D:  83% 9% 8%



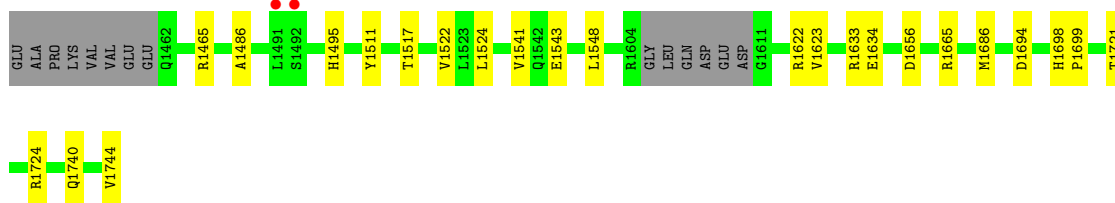
• Molecule 3: Complement C4 gamma chain

Chain E:  2% 84% 12% 5%



• Molecule 3: Complement C4 gamma chain

Chain F:  0% 87% 8% 5%



• Molecule 4: hC4Nb8 nanobody

Chain G:  83% 11% 6%

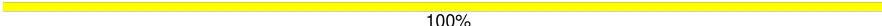


• Molecule 4: hC4Nb8 nanobody

Chain H:  83% 11% 6%

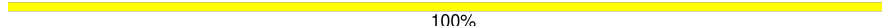


- Molecule 5: beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain I:  100%

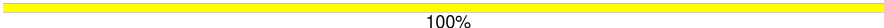


- Molecule 5: beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain J:  100%

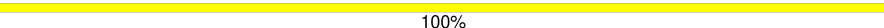


- Molecule 5: beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain K:  100%



- Molecule 5: beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain L:  100%



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	131.20Å 89.51Å 231.20Å 90.00° 97.55° 90.00°	Depositor
Resolution (Å)	48.26 – 3.30 48.26 – 3.30	Depositor EDS
% Data completeness (in resolution range)	99.9 (48.26-3.30) 99.9 (48.26-3.30)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.96 (at 3.01Å)	Xtriage
Refinement program	PHENIX 1.16_3549, PHENIX 1.16_3549	Depositor
R, R_{free}	0.221 , 0.272 0.225 , 0.276	Depositor DCC
R_{free} test set	1566 reflections (1.52%)	wwPDB-VP
Wilson B-factor (Å ²)	149.7	Xtriage
Anisotropy	0.116	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.27 , 127.9	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.96	EDS
Total number of atoms	26297	wwPDB-VP
Average B, all atoms (Å ²)	195.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The analyses of the Patterson function reveals a significant off-origin peak that is 22.78 % of the origin peak, indicating pseudo-translational symmetry. The chance of finding a peak of this or larger height randomly in a structure without pseudo-translational symmetry is equal to 5.3167e-03. The detected translational NCS is most likely also responsible for the elevated intensity ratio.*

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

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: BMA, NAG

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	0.22	0/5128	0.53	3/6961 (0.0%)
1	B	0.22	0/5128	0.52	1/6961 (0.0%)
2	C	0.22	0/4983	0.55	0/6776
2	D	0.22	0/4999	0.54	0/6798
3	E	0.22	0/2257	0.56	0/3046
3	F	0.23	0/2257	0.57	0/3046
4	G	0.22	0/976	0.56	2/1319 (0.2%)
4	H	0.21	0/976	0.50	0/1319
All	All	0.22	0/26704	0.54	6/36226 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
2	C	0	1
2	D	0	1
All	All	0	2

There are no bond length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
4	G	1	GLN	CA-C-N	7.13	134.80	121.97
4	G	1	GLN	C-N-CA	7.13	134.80	121.97
1	A	326	LEU	CA-C-N	5.46	129.88	122.07
1	A	326	LEU	C-N-CA	5.46	129.88	122.07
1	A	150	TYR	CA-CB-CG	5.38	123.59	113.90

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
2	C	1346	LEU	Peptide
2	D	1346	LEU	Peptide

5.2 Too-close contacts

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	5012	0	5025	31	0
1	B	5012	0	5025	42	0
2	C	4884	0	4849	38	0
2	D	4899	0	4865	38	0
3	E	2211	0	2159	15	0
3	F	2211	0	2159	12	0
4	G	956	0	915	8	0
4	H	956	0	915	10	0
5	I	39	0	34	0	0
5	J	39	0	34	0	0
5	K	39	0	34	0	0
5	L	39	0	34	0	0
All	All	26297	0	26048	174	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 3.

The worst 5 of 174 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:C:1012:GLU:OE2	2:C:1124:LEU:N	2.25	0.66
2:C:796:THR:N	4:G:104:GLU:OE2	2.27	0.66
2:D:1012:GLU:OE2	2:D:1124:LEU:N	2.24	0.65
1:B:209:GLU:OE2	2:D:941:ARG:NH1	2.30	0.64
1:A:59:ARG:HE	1:A:111:VAL:HG21	1.64	0.63

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	649/656 (99%)	609 (94%)	36 (6%)	4 (1%)	21	52
1	B	649/656 (99%)	608 (94%)	35 (5%)	6 (1%)	14	43
2	C	629/690 (91%)	573 (91%)	52 (8%)	4 (1%)	21	52
2	D	631/690 (91%)	575 (91%)	53 (8%)	3 (0%)	24	55
3	E	273/291 (94%)	247 (90%)	22 (8%)	4 (2%)	8	32
3	F	273/291 (94%)	246 (90%)	25 (9%)	2 (1%)	18	49
4	G	122/132 (92%)	115 (94%)	6 (5%)	1 (1%)	16	45
4	H	122/132 (92%)	114 (93%)	7 (6%)	1 (1%)	16	45
All	All	3348/3538 (95%)	3087 (92%)	236 (7%)	25 (1%)	18	49

5 of 25 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	104	ARG
1	B	104	ARG
4	G	2	VAL
2	C	990	GLY
2	C	1361	SER

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	557/562 (99%)	552 (99%)	5 (1%)	70	78

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	B	557/562 (99%)	553 (99%)	4 (1%)	76	80
2	C	525/575 (91%)	524 (100%)	1 (0%)	87	88
2	D	527/575 (92%)	525 (100%)	2 (0%)	84	84
3	E	237/249 (95%)	236 (100%)	1 (0%)	84	84
3	F	237/249 (95%)	236 (100%)	1 (0%)	84	84
4	G	97/105 (92%)	97 (100%)	0	100	100
4	H	97/105 (92%)	97 (100%)	0	100	100
All	All	2834/2982 (95%)	2820 (100%)	14 (0%)	81	83

5 of 14 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	B	150	TYR
1	B	207	ILE
3	F	1548	LEU
2	D	783	LEU
2	D	1307	ILE

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 34 such sidechains are listed below:

Mol	Chain	Res	Type
2	D	1214	HIS
2	D	1284	GLN
3	F	1740	GLN
2	C	1214	HIS
2	C	1129	GLN

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 ⓘ

12 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
5	NAG	I	1	5,1	14,14,15	0.85	2 (14%)	17,19,21	0.57	0
5	NAG	I	2	5	14,14,15	0.86	1 (7%)	17,19,21	1.35	3 (17%)
5	BMA	I	3	5	11,11,12	1.08	1 (9%)	15,15,17	0.99	1 (6%)
5	NAG	J	1	5,2	14,14,15	0.77	1 (7%)	17,19,21	0.75	1 (5%)
5	NAG	J	2	5	14,14,15	0.73	1 (7%)	17,19,21	0.68	1 (5%)
5	BMA	J	3	5	11,11,12	1.06	0	15,15,17	0.96	1 (6%)
5	NAG	K	1	5,1	14,14,15	0.88	2 (14%)	17,19,21	0.56	0
5	NAG	K	2	5	14,14,15	0.82	1 (7%)	17,19,21	1.35	3 (17%)
5	BMA	K	3	5	11,11,12	1.06	1 (9%)	15,15,17	0.97	1 (6%)
5	NAG	L	1	5,2	14,14,15	0.78	1 (7%)	17,19,21	0.74	1 (5%)
5	NAG	L	2	5	14,14,15	0.70	1 (7%)	17,19,21	0.67	1 (5%)
5	BMA	L	3	5	11,11,12	1.05	0	15,15,17	0.96	1 (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
5	NAG	I	1	5,1	-	2/6/23/26	0/1/1/1
5	NAG	I	2	5	-	4/6/23/26	0/1/1/1
5	BMA	I	3	5	-	2/2/19/22	0/1/1/1
5	NAG	J	1	5,2	-	2/6/23/26	0/1/1/1
5	NAG	J	2	5	-	1/6/23/26	0/1/1/1
5	BMA	J	3	5	-	1/2/19/22	0/1/1/1
5	NAG	K	1	5,1	-	2/6/23/26	0/1/1/1
5	NAG	K	2	5	-	4/6/23/26	0/1/1/1

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	BMA	K	3	5	-	2/2/19/22	0/1/1/1
5	NAG	L	1	5,2	-	0/6/23/26	0/1/1/1
5	NAG	L	2	5	-	2/6/23/26	0/1/1/1
5	BMA	L	3	5	-	1/2/19/22	0/1/1/1

The worst 5 of 12 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
5	J	1	NAG	O5-C1	2.29	1.47	1.43
5	K	1	NAG	O5-C1	2.28	1.47	1.43
5	L	1	NAG	O5-C1	2.24	1.47	1.43
5	I	2	NAG	C1-C2	2.20	1.55	1.52
5	I	1	NAG	O5-C1	2.18	1.47	1.43

The worst 5 of 14 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
5	K	2	NAG	C2-N2-C7	4.20	128.53	122.90
5	I	2	NAG	C2-N2-C7	4.20	128.52	122.90
5	J	1	NAG	C1-O5-C5	2.76	115.89	112.19
5	L	1	NAG	C1-O5-C5	2.72	115.84	112.19
5	L	3	BMA	C1-O5-C5	2.63	115.71	112.19

There are no chirality outliers.

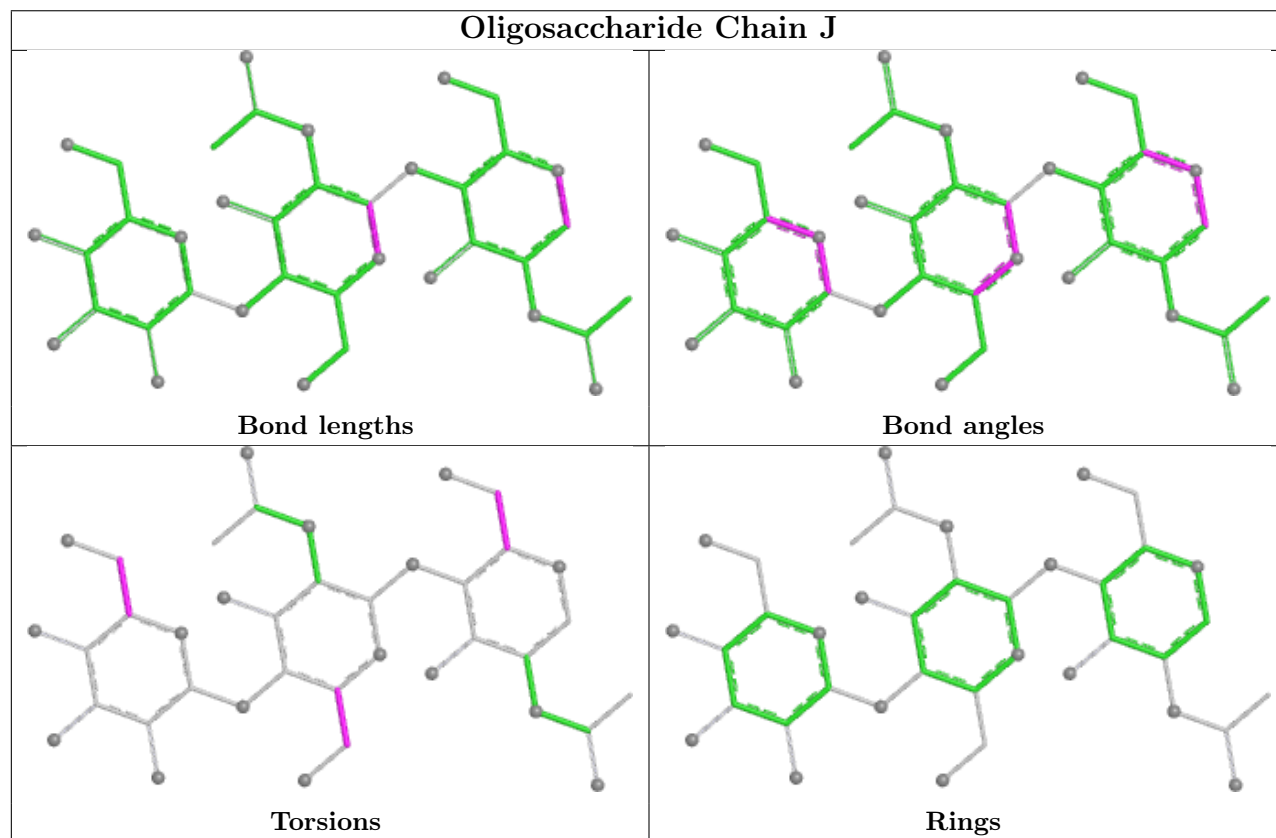
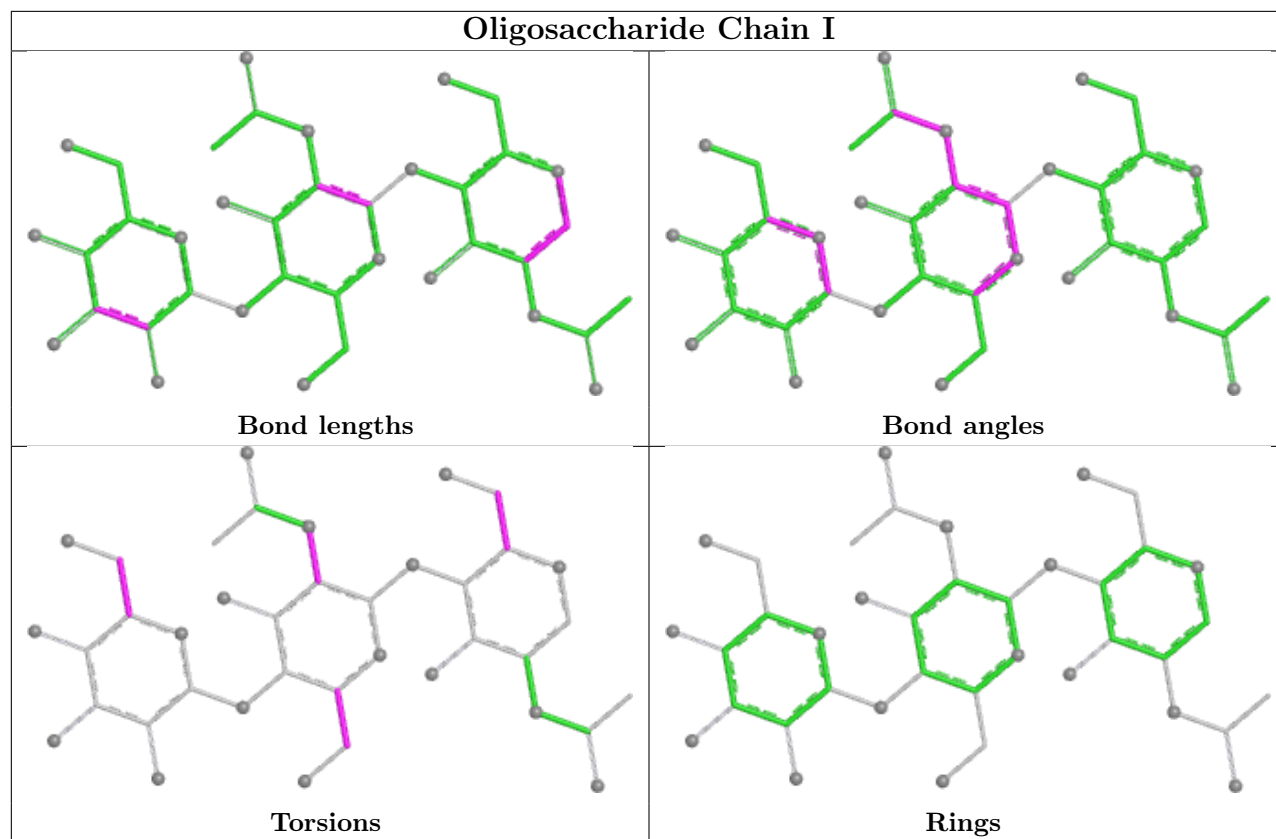
5 of 23 torsion outliers are listed below:

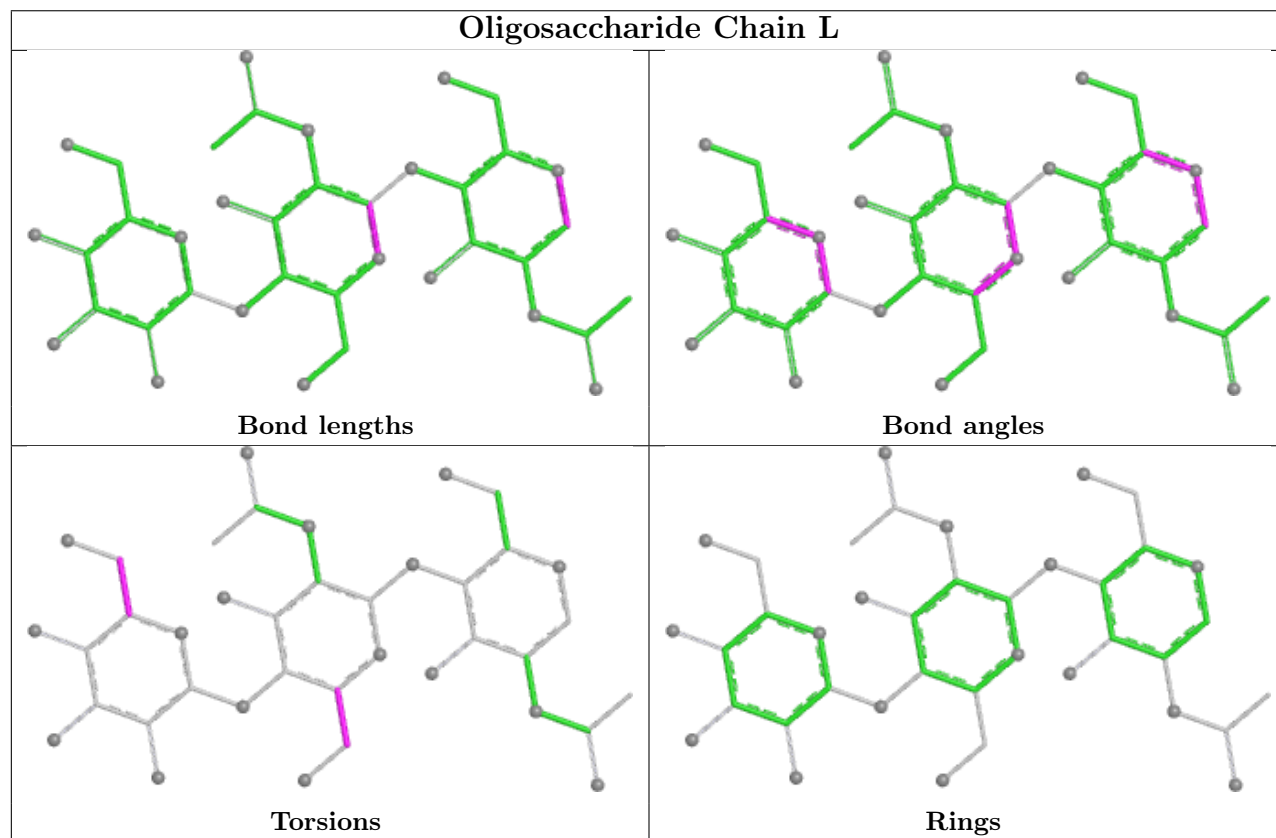
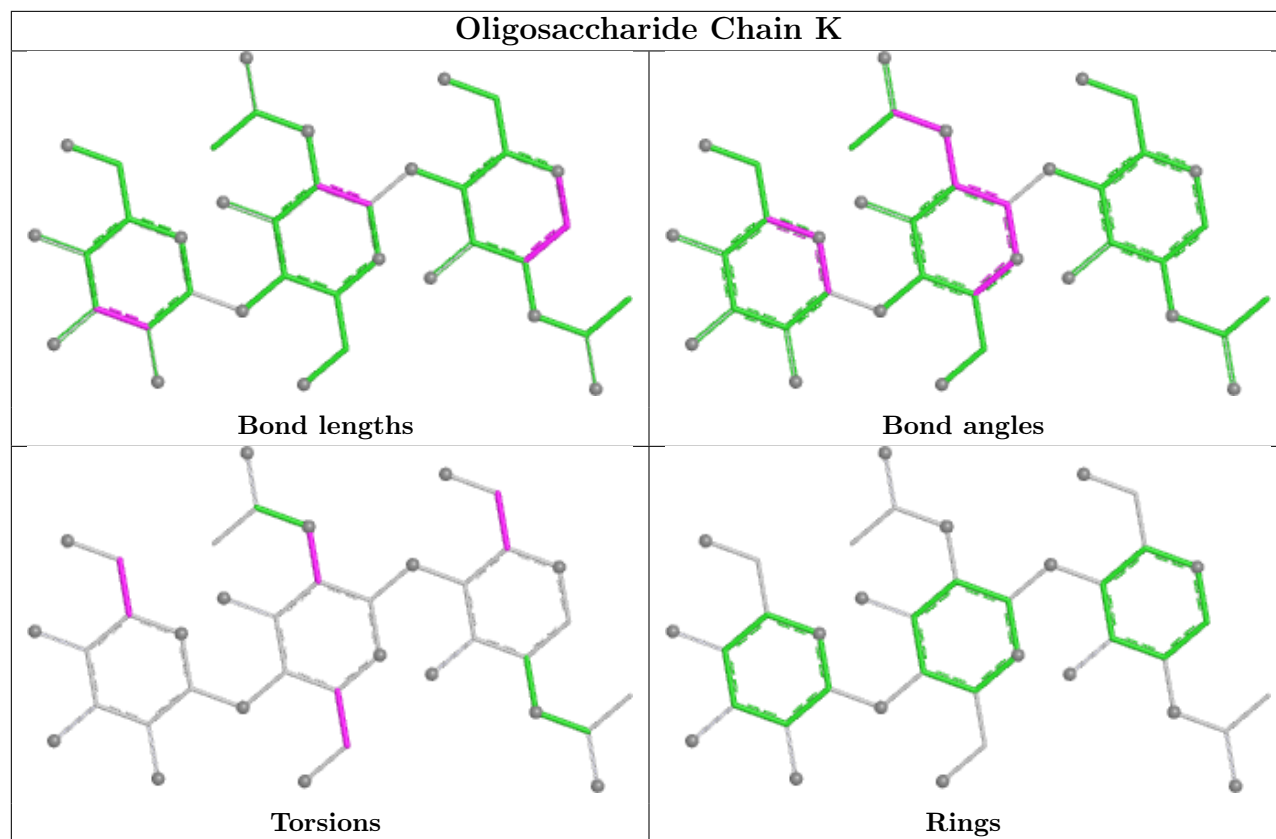
Mol	Chain	Res	Type	Atoms
5	I	1	NAG	O5-C5-C6-O6
5	K	1	NAG	O5-C5-C6-O6
5	K	1	NAG	C4-C5-C6-O6
5	I	2	NAG	O5-C5-C6-O6
5	L	2	NAG	O5-C5-C6-O6

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](#)

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 [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	651/656 (99%)	-0.66	0	100	100	103, 178, 258, 316	0
1	B	651/656 (99%)	-0.62	0	100	100	103, 152, 215, 304	0
2	C	633/690 (91%)	-0.59	0	100	100	108, 203, 287, 343	0
2	D	635/690 (92%)	-0.55	0	100	100	113, 212, 307, 432	0
3	E	277/291 (95%)	-0.43	5 (1%)	67	49	162, 238, 326, 390	0
3	F	277/291 (95%)	-0.50	2 (0%)	84	70	140, 211, 272, 351	0
4	G	124/132 (93%)	-0.70	0	100	100	108, 165, 224, 249	0
4	H	124/132 (93%)	-0.78	0	100	100	116, 180, 238, 275	0
All	All	3372/3538 (95%)	-0.59	7 (0%)	91	86	103, 188, 282, 432	0

The worst 5 of 7 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
3	F	1492	SER	3.8
3	E	1470	VAL	3.0
3	E	1538	PHE	2.4
3	E	1468	TYR	2.2
3	E	1548	LEU	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.

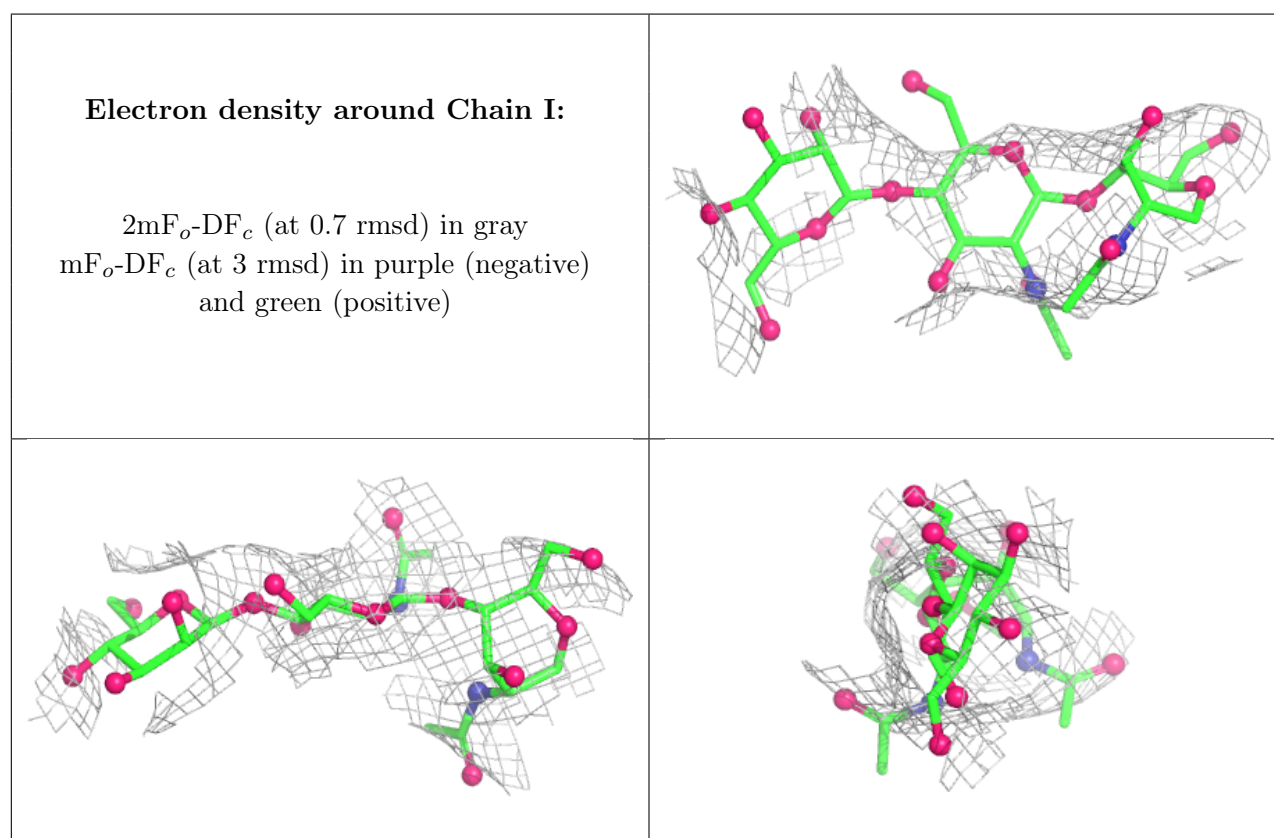
6.3 Carbohydrates [i](#)

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, 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.

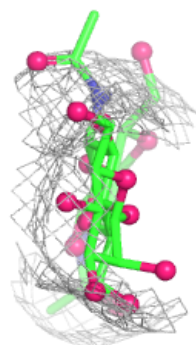
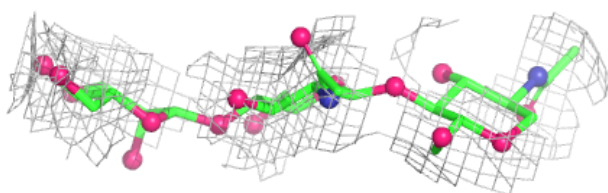
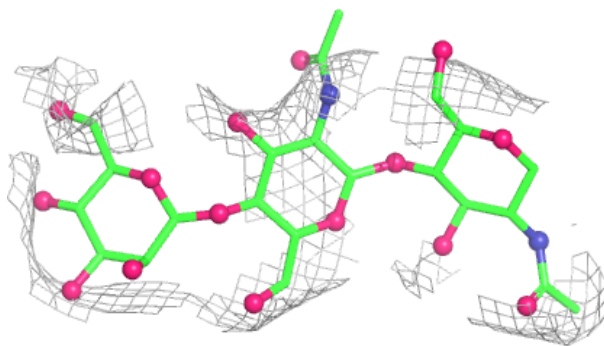
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
5	BMA	I	3	11/12	0.41	0.09	254,294,312,319	0
5	BMA	J	3	11/12	0.57	0.06	246,280,298,298	0
5	NAG	I	2	14/15	0.64	0.08	235,287,305,313	0
5	BMA	K	3	11/12	0.68	0.07	234,292,314,317	0
5	NAG	L	1	14/15	0.70	0.08	139,186,220,257	0
5	NAG	L	2	14/15	0.73	0.06	184,278,295,306	0
5	NAG	K	1	14/15	0.76	0.10	135,202,264,268	0
5	NAG	K	2	14/15	0.77	0.08	233,272,297,323	0
5	BMA	L	3	11/12	0.77	0.05	193,249,264,270	0
5	NAG	J	1	14/15	0.81	0.06	172,223,251,284	0
5	NAG	J	2	14/15	0.82	0.05	212,280,316,335	0
5	NAG	I	1	14/15	0.89	0.07	131,209,264,280	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.

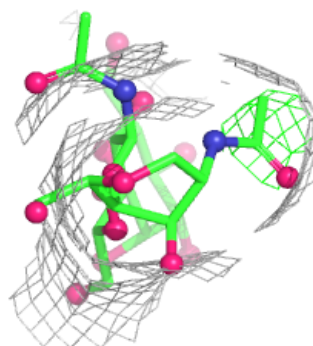
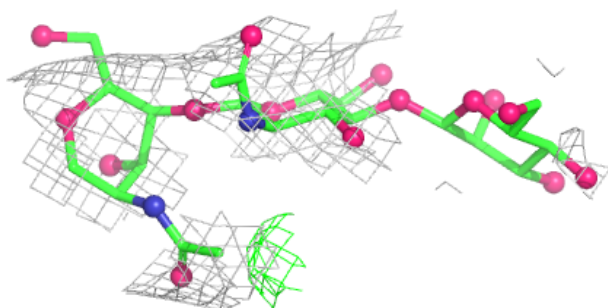
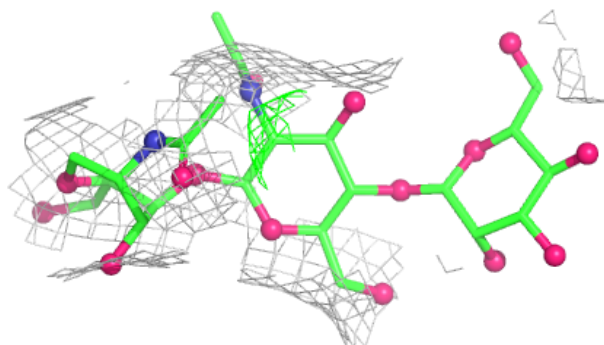


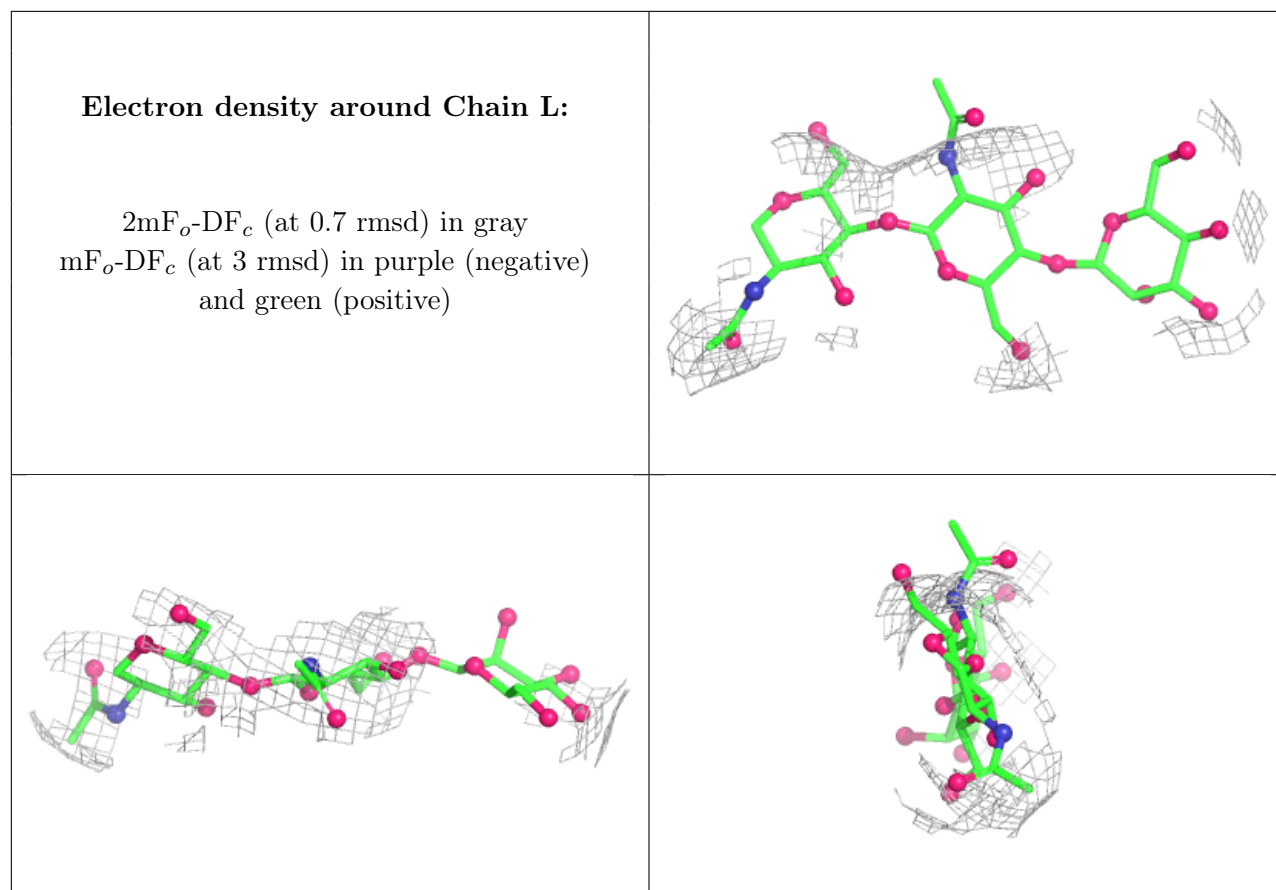
Electron density around Chain J:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

**Electron density around Chain K:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)





6.4 Ligands [i](#)

There are no ligands in this entry.

6.5 Other polymers [i](#)

There are no such residues in this entry.