

wwPDB X-ray Structure Validation Summary Report (i)

Nov 23, 2023 – 12:23 AM JST

:	8GNE
:	Crystal structure of human adenosine A2A receptor in complex with an insur-
	mountable inverse agonist, KW-6356.
:	Suzuki, M.; Saito, J.; Miyagi, H.; Yasunaga, M.
	2022-08-23
:	2.30 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 (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:

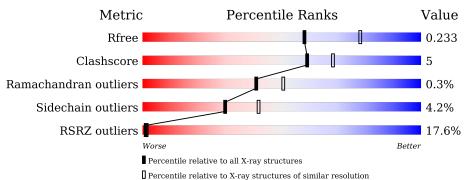
MolProbity Mogul Xtriage (Phenix) EDS	:	4.02b-467 1.8.5 (274361), CSD as541be (2020) 1.13 2.36
buster-report Percentile statistics Refmac	: : :	1.1.7 (2018) 20191225.v01 (using entries in the PDB archive December 25th 2019) 5.8.0158 7.0.044 (Gargrove)
Ideal geometry (DNA, RNA) Validation Pipeline (wwPDB-VP)		Parkinson et al. (1996) 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 2.30 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	$\begin{array}{c} \textbf{Whole archive} \\ (\#\textbf{Entries}) \end{array}$	${f Similar\ resolution}\ (\#{ m Entries,\ resolution\ range}({ m \AA}))$
R _{free}	130704	5042 (2.30-2.30)
Clashscore	141614	5643 (2.30-2.30)
Ramachandran outliers	138981	5575 (2.30-2.30)
Sidechain outliers	138945	5575 (2.30-2.30)
RSRZ outliers	127900	4938 (2.30-2.30)

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			
			16%			
1	А	431	80%	10%	•	9%



2 Entry composition (i)

There are 7 unique types of molecules in this entry. The entry contains 3585 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 Adenosine receptor A2a,Soluble cytochrome b562.

Mol	Chain	Residues		At	oms			ZeroOcc	AltConf	Trace
1	А	391	Total 3026	C 1976	N 509	O 520	S 21	0	2	0

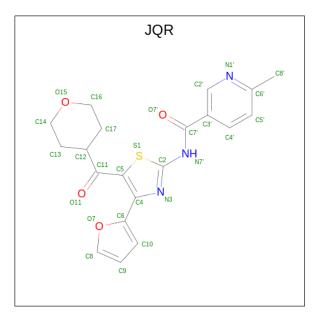
Chain	Residue	Modelled	Actual	Comment	Reference
А	-8	ASP	-	expression tag	UNP P29274
А	-7	TYR	-	expression tag	UNP P29274
А	-6	ASP	-	expression tag	UNP P29274
А	-5	ASP	-	expression tag	UNP P29274
А	-4	ASP	-	expression tag	UNP P29274
А	-3	ASP	-	expression tag	UNP P29274
А	-2	LYS	-	expression tag	UNP P29274
А	-1	GLY	-	expression tag	UNP P29274
А	0	ALA	-	expression tag	UNP P29274
А	1	PRO	-	expression tag	UNP P29274
А	154	GLN	ASN	engineered mutation	UNP P29274
А	1007	TRP	MET	engineered mutation	UNP P0ABE7
А	1102	ILE	HIS	engineered mutation	UNP P0ABE7
А	1106	LEU	ARG	engineered mutation	UNP P0ABE7
А	317	HIS	-	expression tag	UNP P29274
А	318	HIS	-	expression tag	UNP P29274
А	319	HIS	-	expression tag	UNP P29274
А	320	HIS	-	expression tag	UNP P29274
А	321	HIS	-	expression tag	UNP P29274
А	322	HIS	-	expression tag	UNP P29274
А	323	HIS	-	expression tag	UNP P29274
А	324	HIS	-	expression tag	UNP P29274
А	325	HIS	-	expression tag	UNP P29274
А	326	HIS	-	expression tag	UNP P29274

There are 24 discrepancies between the modelled and reference sequences:

• Molecule 2 is {N}-[4-(furan-2-yl)-5-(oxan-4-ylcarbonyl)-1,3-thiazol-2-yl]-6-methyl-pyridi ne-3-carboxamide (three-letter code: JQR) (formula: $C_{20}H_{19}N_3O_4S$) (labeled as "Ligand of

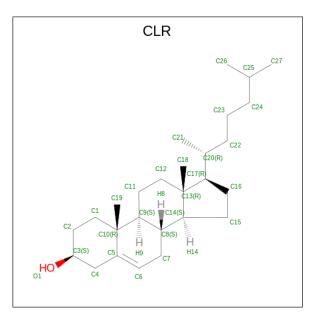


Interest" by depositor).



Mol	Chain	Residues		Atc	\mathbf{ms}			ZeroOcc	AltConf
2	А	1	Total 28	C 20	N 3	0 4	S 1	0	0

 $\bullet\,$ Molecule 3 is CHOLESTEROL (three-letter code: CLR) (formula: $\rm C_{27}H_{46}O).$



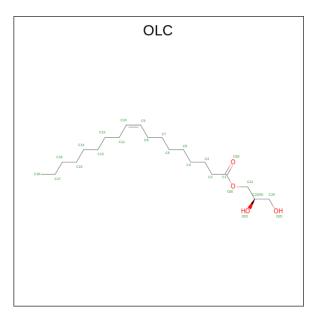
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	А	1	Total C O 28 27 1	0	0
3	А	1	Total C O 28 27 1	0	0



Continued from previous page...

Mol	Chain	Residues	At	oms		ZeroOcc	AltConf
3	А	1	Total 28	C 27	0 1	0	0

• Molecule 4 is (2R)-2,3-dihydroxypropyl (9Z)-octadec-9-enoate (three-letter code: OLC) (formula: $C_{21}H_{40}O_4$).



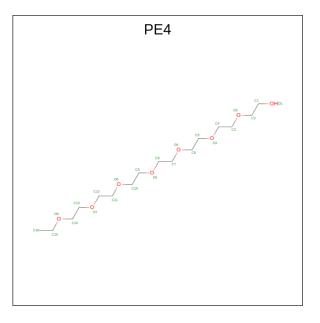
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	А	1	Total C O 16 12 4	0	0
4	А	1	Total C O 25 21 4	0	0
4	А	1	Total C O 21 17 4	0	0
4	А	1	Total C O 21 17 4	0	0
4	А	1	Total C O 19 15 4	0	0
4	А	1	Total C O 25 21 4	0	0
4	А	1	Total C O 19 15 4	0	0
4	А	1	Total C O 19 15 4	0	0
4	А	1	Total C O 19 15 4	0	0
4	А	1	Total C O 19 15 4	0	0



Continued from previous page...

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	А	1	Total C O 16 12 4	0	0
4	А	1	Total C O 21 17 4	0	0
4	А	1	Total C O 22 18 4	0	0
4	А	1	Total C O 25 21 4	0	0
4	А	1	Total C O 14 10 4	0	0
4	А	1	Total C O 25 21 4	0	0
4	А	1	Total C O 25 21 4	0	0
4	А	1	Total C O 21 17 4	0	0

• Molecule 5 is 2-{2-[2-(2-{2-[2-(2-ETHOXY-ETHOXY)-ETHOXY]-ETHOXY}PA



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	А	1	Total C O 11 7 4	0	0

• Molecule 6 is SODIUM ION (three-letter code: NA) (formula: Na).



Mol	Chain	Residues	Atom	\mathbf{s}	ZeroOcc	AltConf
6	А	1	Total I 1	Na 1	0	0

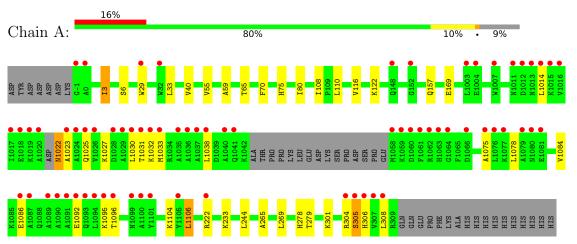
• Molecule 7 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
7	А	63	Total O 63 63	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: Adenosine receptor A2a,Soluble cytochrome b562



4 Data and refinement statistics (i)

Property	Value	Source
Space group	C 2 2 21	Depositor
Cell constants	39.35Å 180.51Å 141.24Å	Depositor
a, b, c, α , β , γ	90.00° 90.00° 90.00°	Depositor
Resolution (Å)	45.17 - 2.30	Depositor
Resolution (A)	47.08 - 2.30	EDS
% Data completeness	99.4 (45.17-2.30)	Depositor
(in resolution range)	99.4 (47.08-2.30)	EDS
R _{merge}	0.17	Depositor
R _{sym}	(Not available)	Depositor
$< I/\sigma(I) > 1$	$1.14 (at 2.29 \text{\AA})$	Xtriage
Refinement program	REFMAC 5.8.0232	Depositor
D D.	0.190 , 0.235	Depositor
R, R_{free}	0.198 , 0.233	DCC
R_{free} test set	1119 reflections (4.89%)	wwPDB-VP
Wilson B-factor $(Å^2)$	40.4	Xtriage
Anisotropy	0.120	Xtriage
Bulk solvent $k_{sol}(e/Å^3)$, $B_{sol}(Å^2)$	0.33, 55.4	EDS
L-test for twinning ²	$ < L >=0.48, < L^2>=0.31$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	3585	wwPDB-VP
Average B, all atoms $(Å^2)$	54.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The largest off-origin peak in the Patterson function is 7.40% 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: JQR, NA, CLR, OLC, PE4

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	Boi	nd lengths	Bond angles	
	Mol Chain	RMSZ	# Z > 5	RMSZ	# Z > 5
1	А	0.79	2/3093~(0.1%)	0.89	0/4209

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	А	169	GLU	CD-OE1	6.52	1.32	1.25
1	А	169	GLU	CD-OE2	5.16	1.31	1.25

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	А	3026	0	3079	32	0
2	А	28	0	0	1	0
3	А	84	0	138	2	0
4	А	372	0	531	6	0
5	А	11	0	13	0	0
6	А	1	0	0	0	0
7	А	63	0	0	2	0
All	All	3585	0	3761	34	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 5.

The worst 5 of 34 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)
4:A:1211:OLC:O23	7:A:1301:HOH:O	1.87	0.93
1:A:304:ARG:O	1:A:308:LEU:HB3	1.81	0.81
1:A:110[B]:LEU:HD23	1:A:110[B]:LEU:H	1.49	0.76
1:A:80:ILE:HD11	3:A:1203:CLR:H182	1.72	0.70
1:A:1022:ASN:HD22	1:A:1023:ALA:H	1.39	0.70

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	А	387/431~(90%)	374 (97%)	12 (3%)	1 (0%)	41 50

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	А	305	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	315/360~(88%)	302~(96%)	13~(4%)	30 43

5 of 13 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	А	1104	LYS
1	А	1106	LEU
1	А	301	LYS
1	А	244	LEU
1	А	279	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (3) such sidechains are listed below:

Mol	Chain	Res	Type
1	А	157	GLN
1	А	1022	ASN
1	А	306	HIS

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)

There are no monosaccharides in this entry.

5.6 Ligand geometry (i)

Of 24 ligands modelled in this entry, 1 is monoatomic - leaving 23 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



Mol	Trime	Chain	Res	Link	Bo	ond leng	ths	B	ond ang	les
IVIOI	Type	Chain	Res	LINK	Counts	RMSZ	# Z >2	Counts	RMSZ	# Z > 2
4	OLC	А	1216	-	20,20,24	1.06	1 (5%)	21,21,25	0.86	2 (9%)
4	OLC	А	1212	-	18,18,24	1.12	1 (5%)	18,19,25	1.11	1 (5%)
4	OLC	А	1207	-	20,20,24	1.14	1 (5%)	21,21,25	0.83	1 (4%)
4	OLC	А	1220	-	24,24,24	0.97	1 (4%)	25,25,25	1.03	2 (8%)
4	OLC	А	1219	-	13,13,24	1.33	1 (7%)	14,14,25	1.47	2 (14%)
4	OLC	А	1218	-	24,24,24	1.18	1 (4%)	25,25,25	0.86	2 (8%)
4	OLC	А	1217	-	21,21,24	1.06	1 (4%)	22,22,25	0.67	1 (4%)
4	OLC	А	1209	-	18,18,24	1.16	1 (5%)	18,19,25	1.11	2 (11%)
4	OLC	А	1222	-	20,20,24	1.10	1 (5%)	21,21,25	0.88	1 (4%)
3	CLR	А	1204	-	31,31,31	0.29	0	48,48,48	0.45	0
4	OLC	А	1208	-	20,20,24	1.01	1 (5%)	21,21,25	0.83	2 (9%)
4	OLC	А	1221	-	24,24,24	0.85	1 (4%)	25,25,25	0.90	2 (8%)
5	PE4	А	1223	-	10,10,23	0.33	0	9,9,22	0.18	0
4	OLC	А	1210	-	24,24,24	1.06	1 (4%)	25,25,25	0.92	1 (4%)
2	JQR	А	1201	-	22,31,31	1.12	2 (9%)	26,43,43	1.56	6 (23%)
4	OLC	А	1213	-	18,18,24	1.22	1 (5%)	18,19,25	1.09	2 (11%)
4	OLC	А	1215	-	15,15,24	1.27	1 (6%)	16,16,25	0.99	1 (6%)
4	OLC	А	1205	-	15,15,24	0.97	1 (6%)	16,16,25	1.17	2 (12%)
4	OLC	А	1206	-	24,24,24	1.03	1 (4%)	25,25,25	1.24	3 (12%)
3	CLR	А	1202	-	31,31,31	0.35	0	48,48,48	0.45	0
4	OLC	А	1214	-	18,18,24	1.21	1 (5%)	18,19,25	1.05	1 (5%)
4	OLC	А	1211	-	18,18,24	1.39	1 (5%)	18,19,25	1.27	2 (11%)
3	CLR	А	1203	-	31,31,31	0.33	0	48,48,48	0.50	0

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).

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
4	OLC	А	1216	-	-	6/20/20/24	-
4	OLC	А	1212	-	-	8/18/18/24	-
4	OLC	А	1207	-	-	4/20/20/24	-
4	OLC	А	1220	-	-	8/24/24/24	-



8GNE

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
4	OLC	А	1219	-	-	3/13/13/24	-
4	OLC	А	1218	-	-	9/24/24/24	-
4	OLC	А	1217	-	-	8/21/21/24	-
4	OLC	А	1209	-	-	8/18/18/24	-
4	OLC	А	1222	-	-	9/20/20/24	-
3	CLR	А	1204	-	-	4/10/68/68	0/4/4/4
4	OLC	А	1208	-	-	10/20/20/24	-
4	OLC	А	1221	-	-	5/24/24/24	-
5	PE4	А	1223	-	-	4/8/8/21	-
4	OLC	А	1210	-	-	10/24/24/24	-
2	JQR	А	1201	-	-	1/10/28/28	0/4/4/4
4	OLC	А	1213	-	-	11/18/18/24	-
4	OLC	А	1215	-	-	9/15/15/24	-
4	OLC	А	1205	-	-	7/15/15/24	-
4	OLC	А	1206	-	-	8/24/24/24	-
3	CLR	А	1202	-	-	3/10/68/68	0/4/4/4
4	OLC	А	1214	-	-	9/18/18/24	-
4	OLC	А	1211	-	-	8/18/18/24	-
3	CLR	А	1203	-	-	0/10/68/68	0/4/4/4

Continued from previous page...

The worst 5 of 20 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	$\mathrm{Ideal}(\mathrm{\AA})$
4	А	1218	OLC	O20-C1	5.30	1.48	1.33
4	А	1211	OLC	O20-C1	5.25	1.48	1.33
4	А	1210	OLC	O20-C1	4.90	1.47	1.33
4	А	1207	OLC	O20-C1	4.88	1.47	1.33
4	А	1213	OLC	O20-C1	4.79	1.47	1.33

The worst 5 of 36 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$Observed(^{o})$	$Ideal(^{o})$
2	А	1201	JQR	O7'-C7'-C3'	-4.23	113.39	120.94
4	А	1206	OLC	O20-C1-C2	4.13	124.88	111.91
4	А	1219	OLC	O20-C1-C2	4.01	124.50	111.91
4	А	1220	OLC	O20-C1-C2	3.55	123.06	111.91
4	А	1211	OLC	O20-C1-C2	3.42	122.64	111.91



There are no chirality outliers.

Mol	Chain	Res	Type	Atoms
4	А	1205	OLC	O20-C21-C22-O23
4	А	1209	OLC	O20-C21-C22-C24
4	А	1209	OLC	O20-C21-C22-O23
4	А	1211	OLC	C9-C10-C11-C12
4	А	1211	OLC	C21-C22-C24-O25

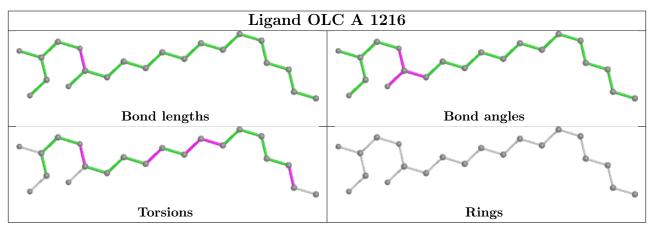
5 of 152 torsion outliers are listed below:

There are no ring outliers.

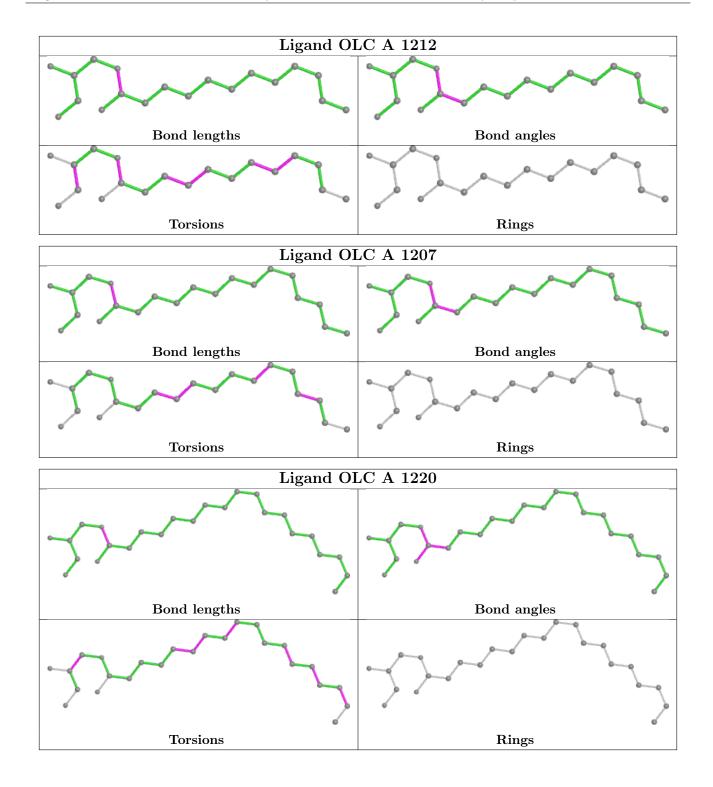
5 monomers are involved in 9 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
4	А	1222	OLC	3	0
2	А	1201	JQR	1	0
4	А	1213	OLC	2	0
4	А	1211	OLC	1	0
3	А	1203	CLR	2	0

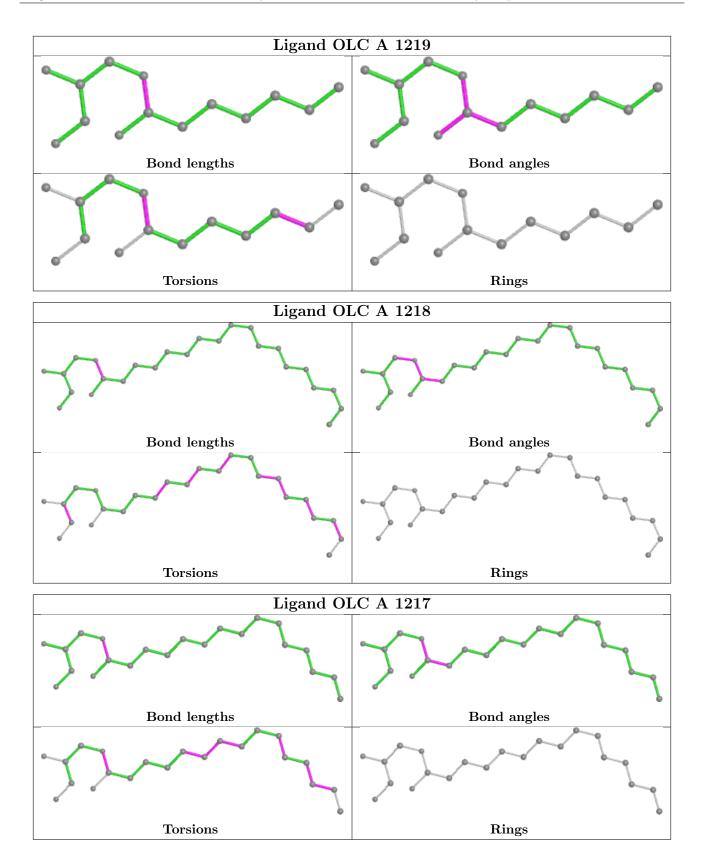
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and sufficient the outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



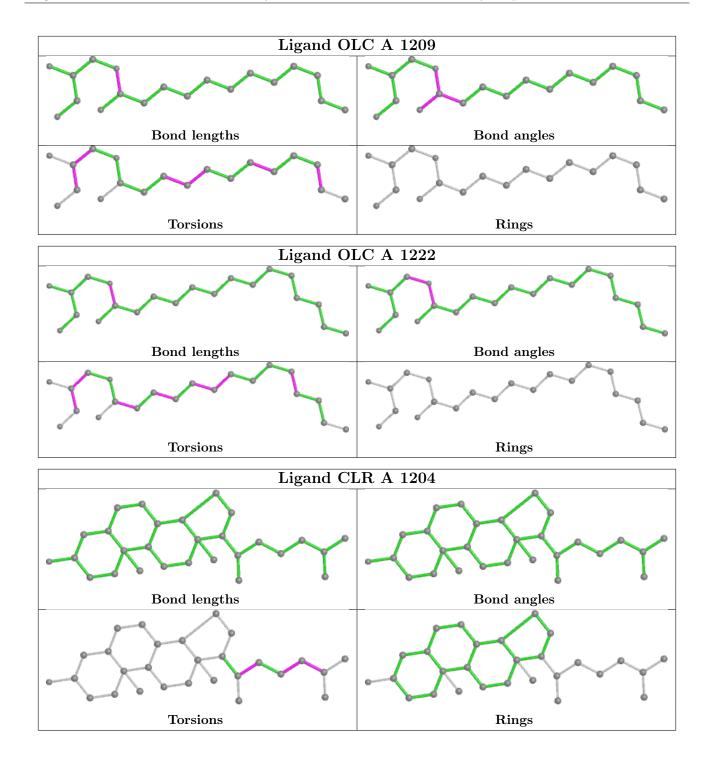




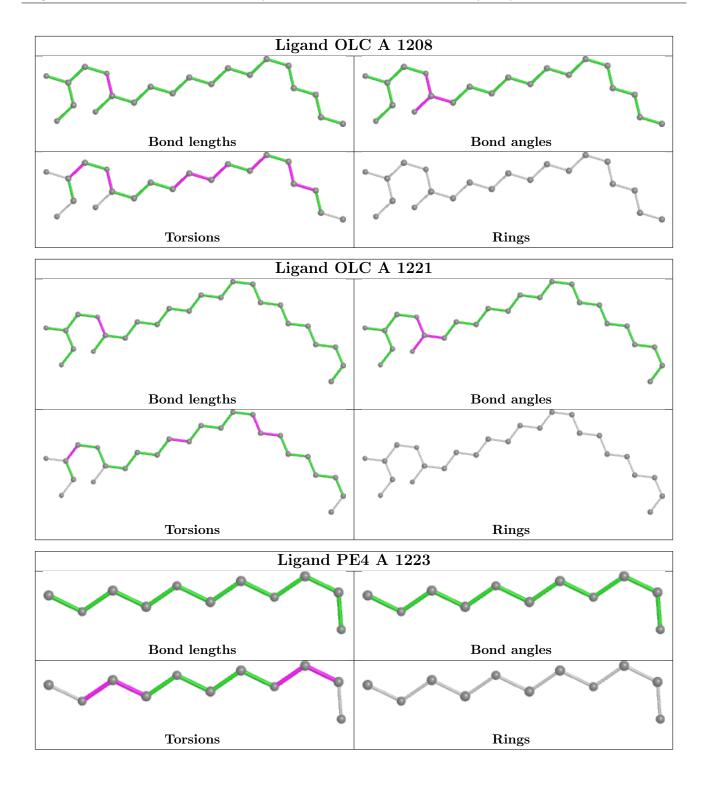




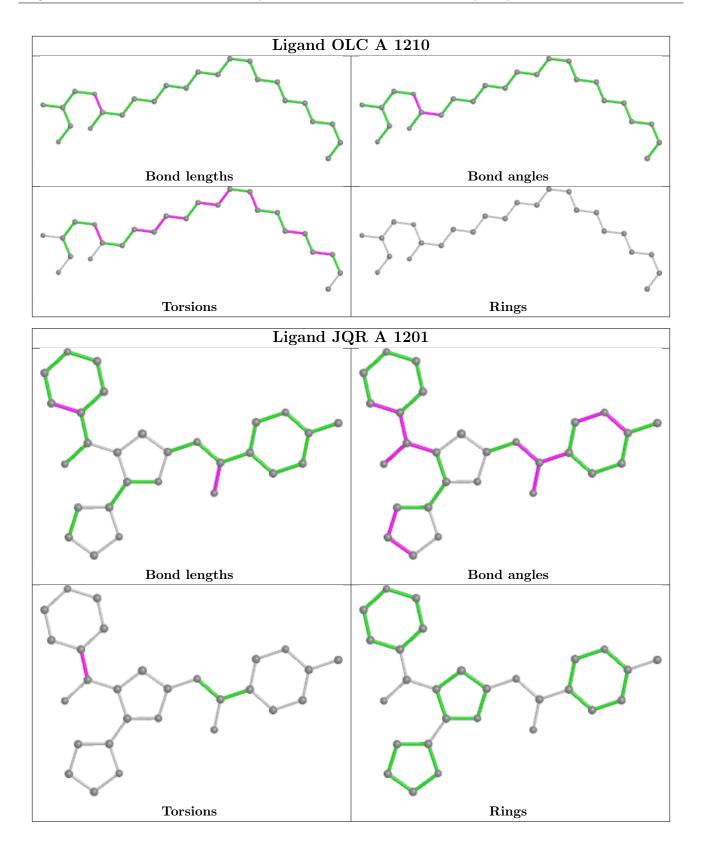




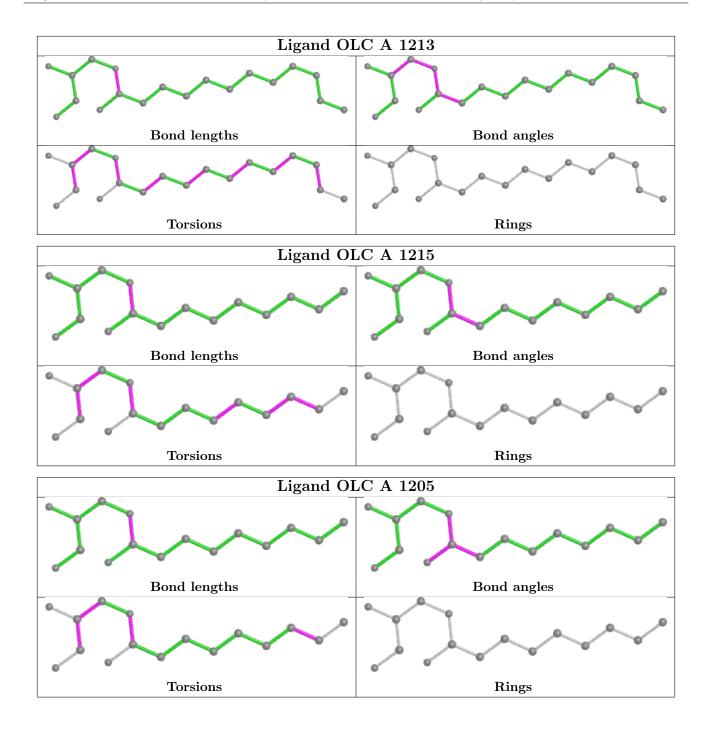






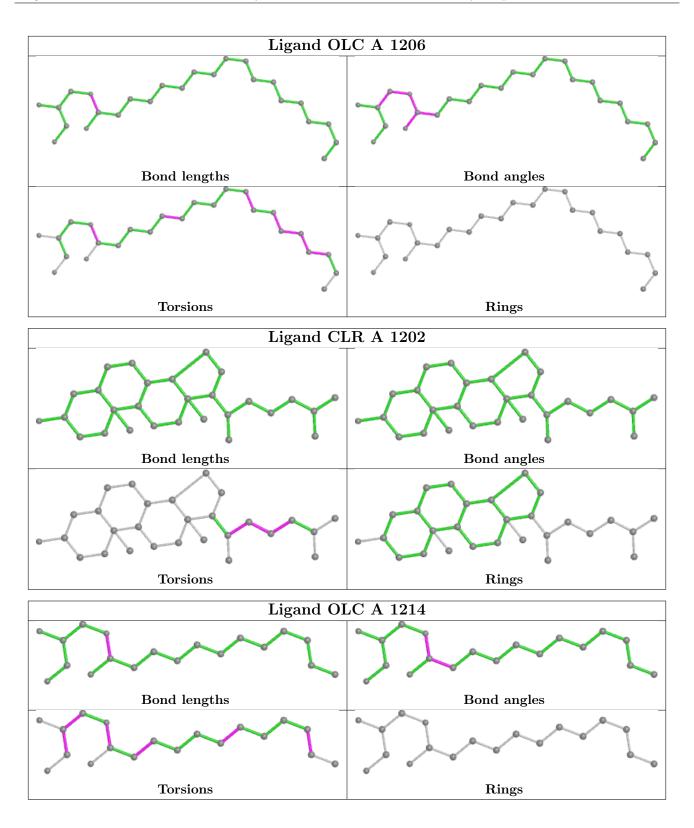




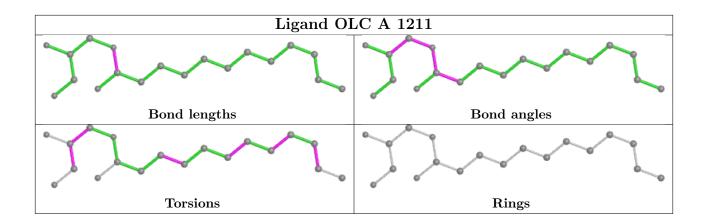












5.7 Other polymers (i)

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	< RSRZ >	#RSRZ>2	$OWAB(Å^2)$	Q<0.9
1	А	391/431~(90%)	0.84	69 (17%) 1 1	24, 43, 96, 120	0

The worst 5 of 69 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	А	1020	ALA	8.7
1	А	1060	ASP	7.0
1	А	1090	ALA	6.8
1	А	1028	ASP	6.4
1	А	1061	PHE	6.3

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 monosaccharides 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, 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	$\mathbf{B} ext{-factors}(\mathrm{\AA}^2)$	Q < 0.9
4	OLC	А	1218	25/25	0.50	0.31	$62,\!72,\!80,\!80$	0
4	OLC	А	1210	25/25	0.53	0.32	87,96,108,112	0

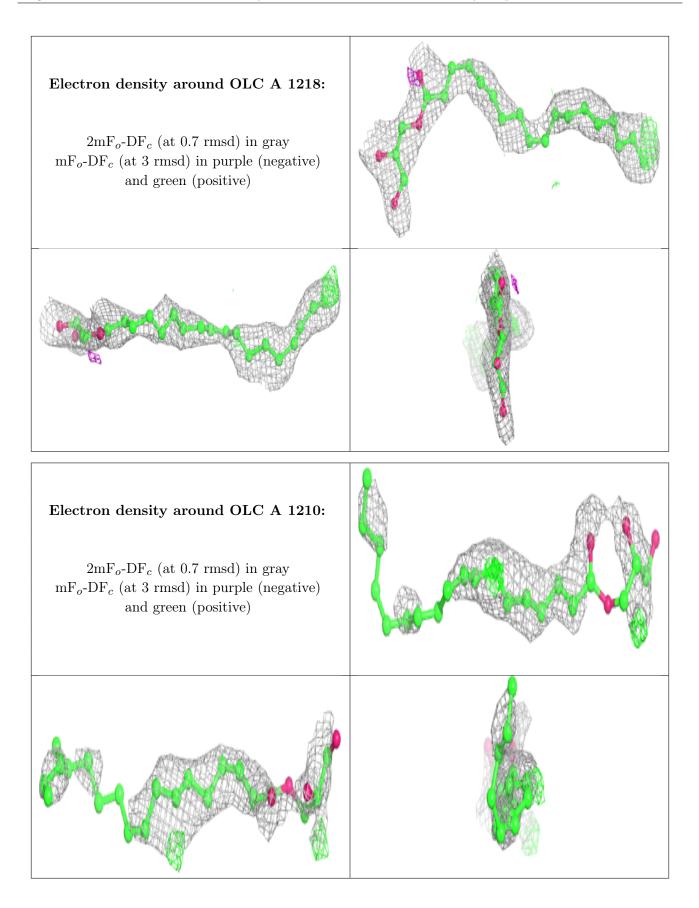


	0	m previoi	1 0					-
Mol	Type	Chain	Res	Atoms	RSCC	\mathbf{RSR}	$B-factors(A^2)$	Q < 0.9
4	OLC	А	1217	22/25	0.62	0.31	$66,\!80,\!92,\!95$	0
4	OLC	А	1216	21/25	0.64	0.33	66,73,89,91	0
4	OLC	А	1213	19/25	0.65	0.33	70,79,101,102	0
4	OLC	А	1211	19/25	0.66	0.29	48,67,78,83	0
4	OLC	А	1206	25/25	0.68	0.27	56,74,83,86	0
4	OLC	А	1222	21/25	0.70	0.34	81,94,100,103	0
4	OLC	А	1215	16/25	0.75	0.21	76,92,99,102	0
4	OLC	А	1207	21/25	0.76	0.22	54,61,97,104	0
4	OLC	А	1219	14/25	0.77	0.27	$57,\!63,\!75,\!75$	0
4	OLC	А	1214	19/25	0.78	0.26	55,69,87,90	0
4	OLC	А	1208	21/25	0.79	0.21	71,75,89,91	0
4	OLC	А	1220	25/25	0.80	0.23	$53,\!76,\!93,\!98$	0
6	NA	А	1224	1/1	0.81	0.16	59, 59, 59, 59, 59	0
4	OLC	А	1212	19/25	0.83	0.25	63,73,100,102	0
4	OLC	А	1209	19/25	0.84	0.19	64,69,84,84	0
4	OLC	А	1221	25/25	0.86	0.25	45,66,89,93	0
5	PE4	А	1223	11/24	0.87	0.23	$58,\!67,\!75,\!77$	0
3	CLR	А	1203	28/28	0.88	0.17	37,42,73,79	0
4	OLC	А	1205	16/25	0.91	0.22	47,55,74,75	0
3	CLR	А	1204	28/28	0.93	0.17	50,57,81,86	0
3	CLR	А	1202	28/28	0.94	0.15	$36,\!40,\!55,\!58$	0
2	JQR	А	1201	28/28	0.97	0.15	29,33,44,51	0

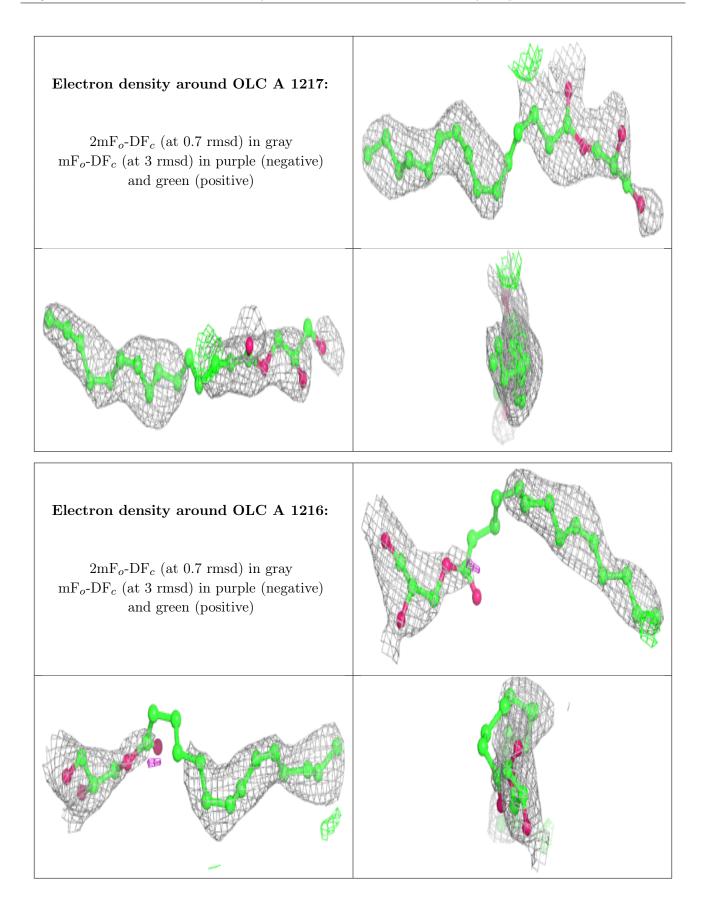
Continued from previous page...

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

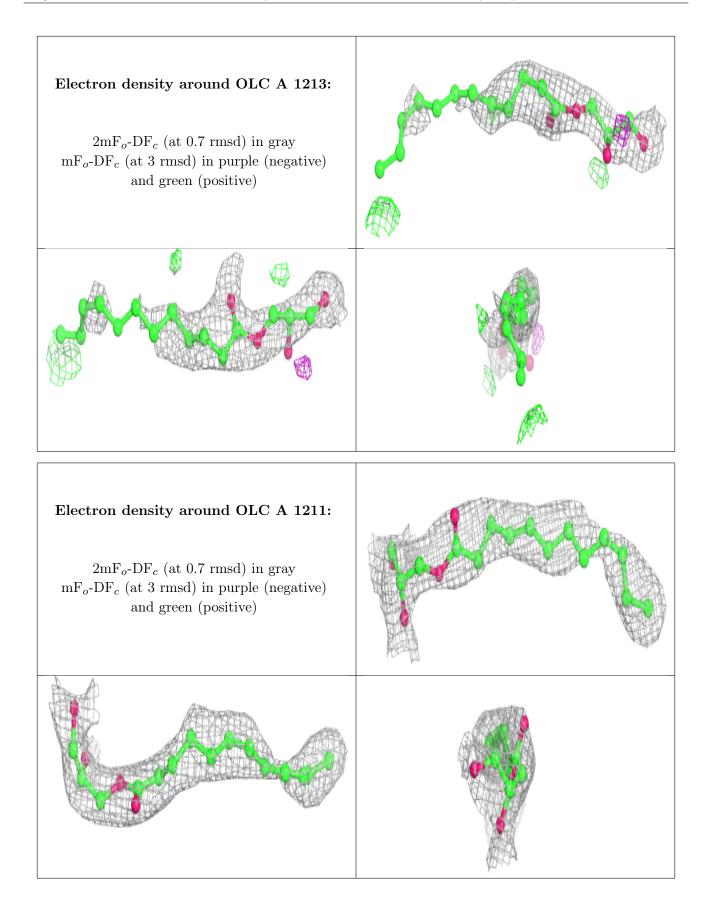




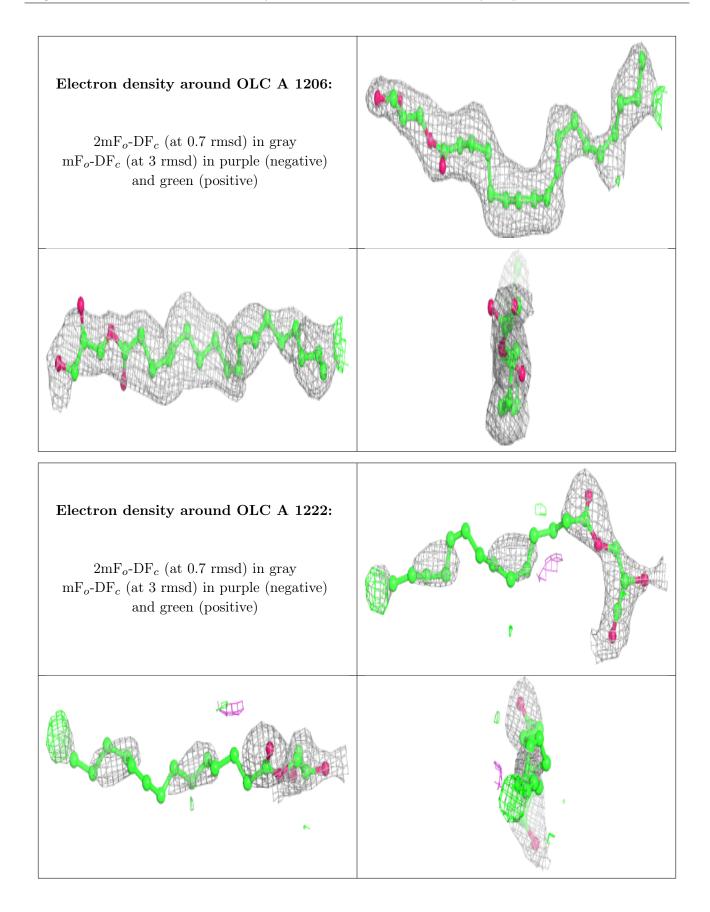




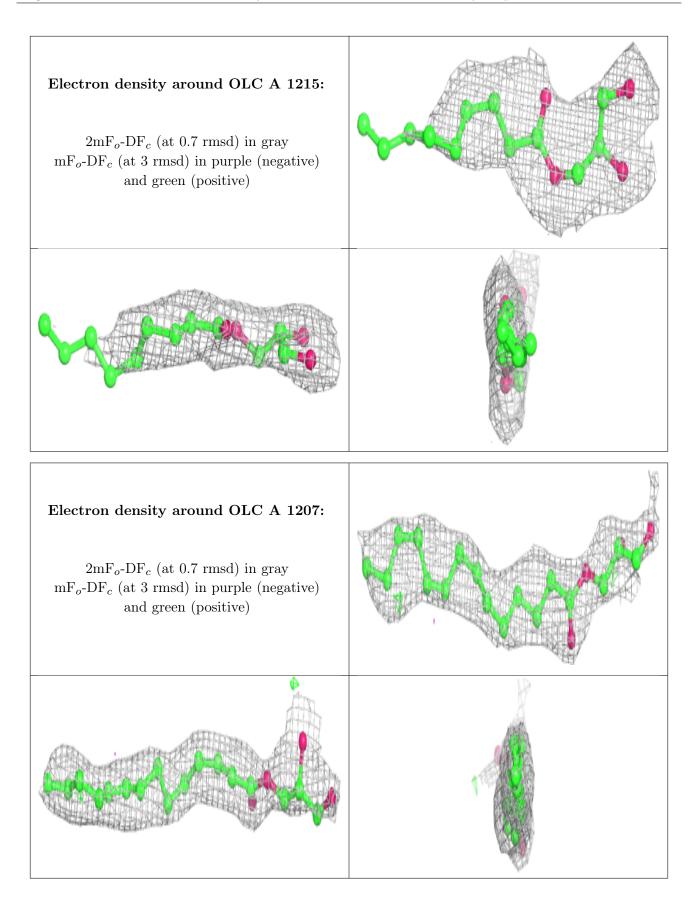




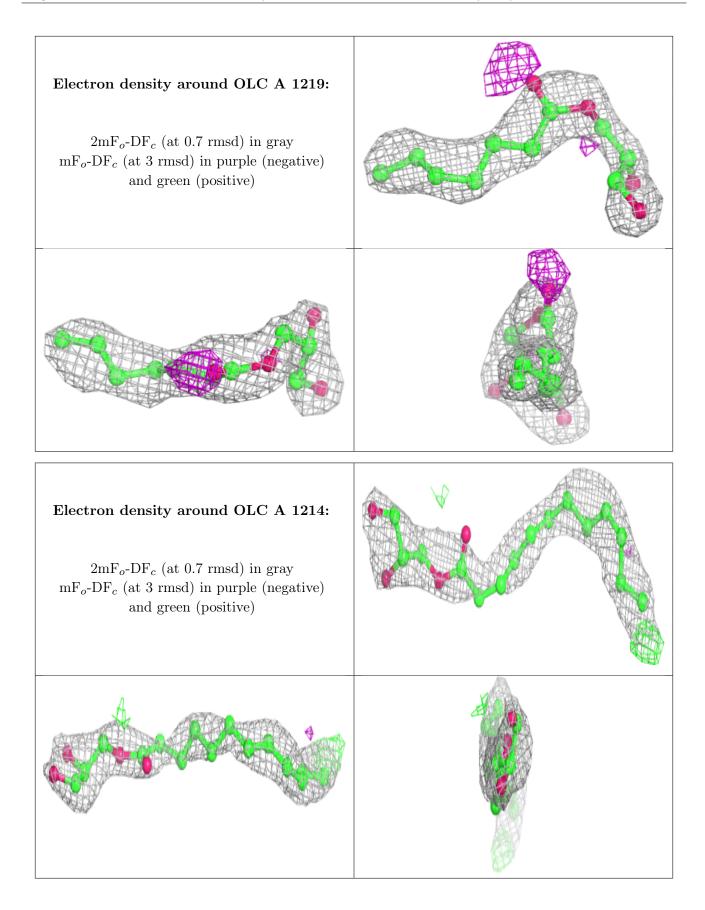




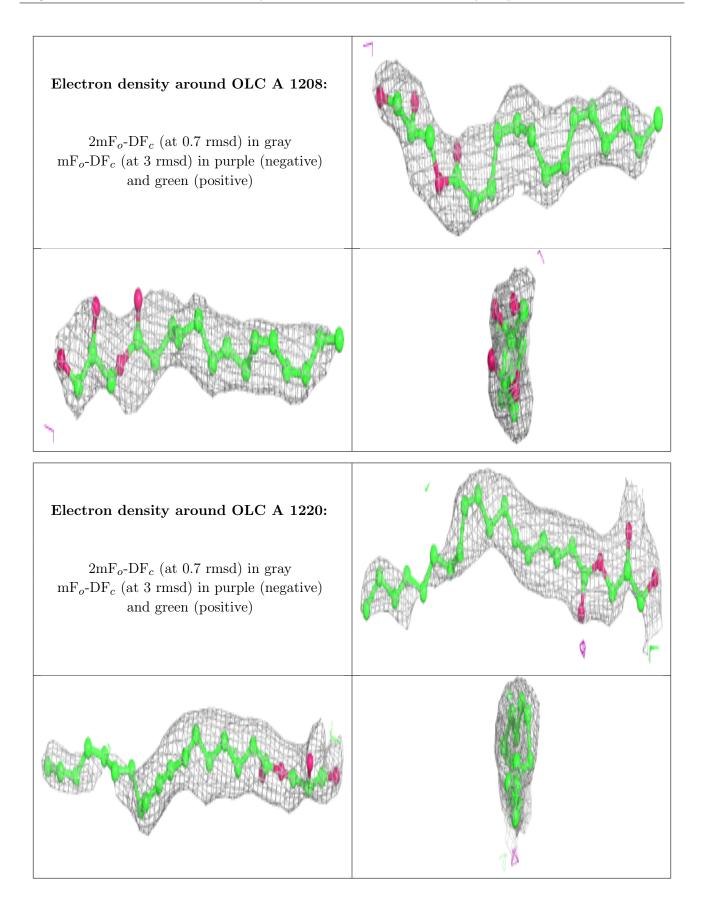




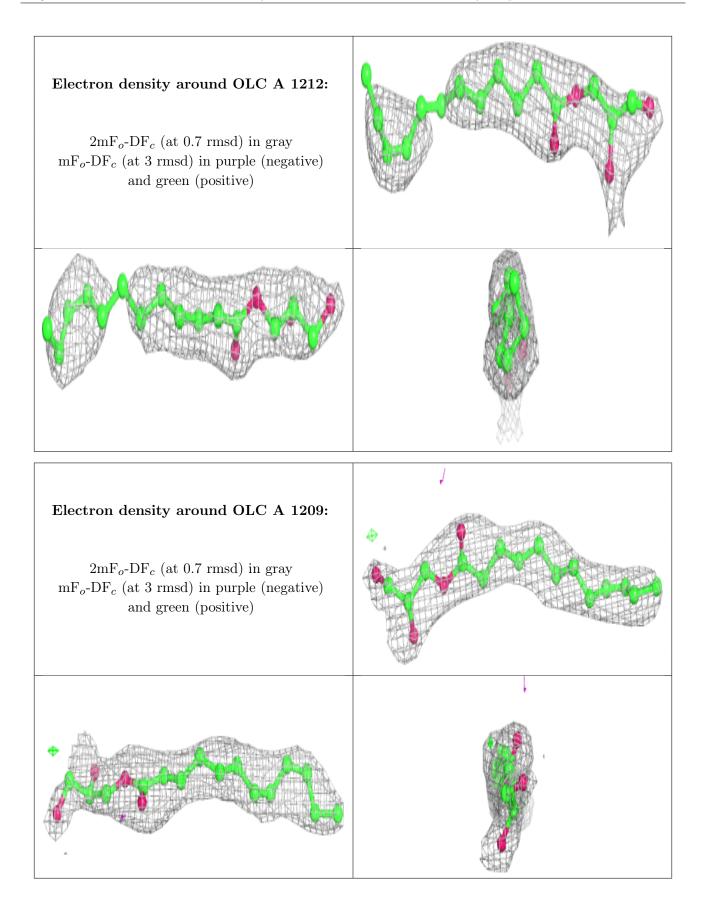




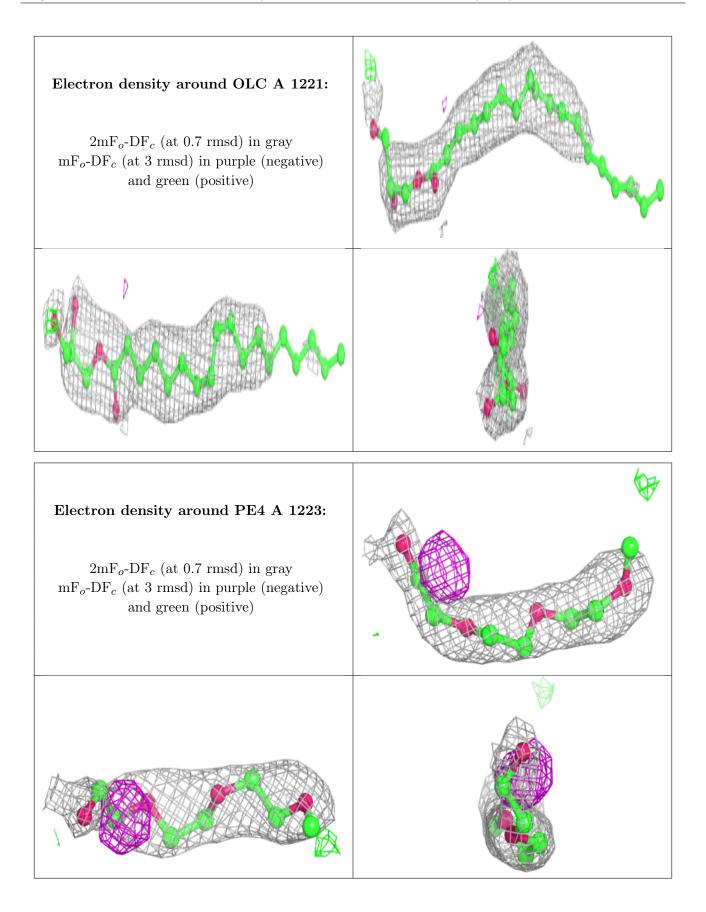




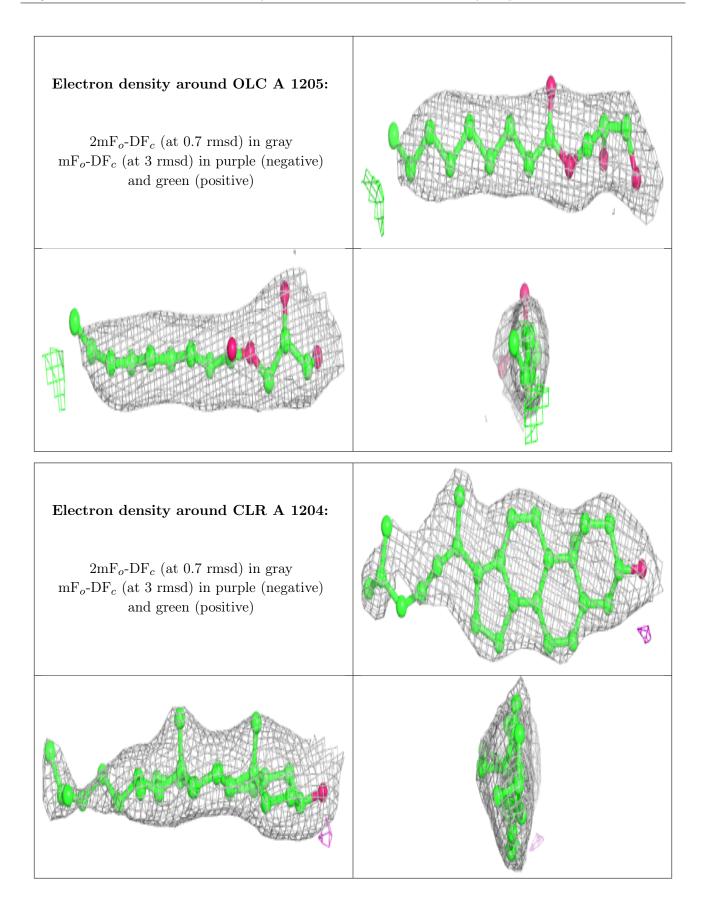




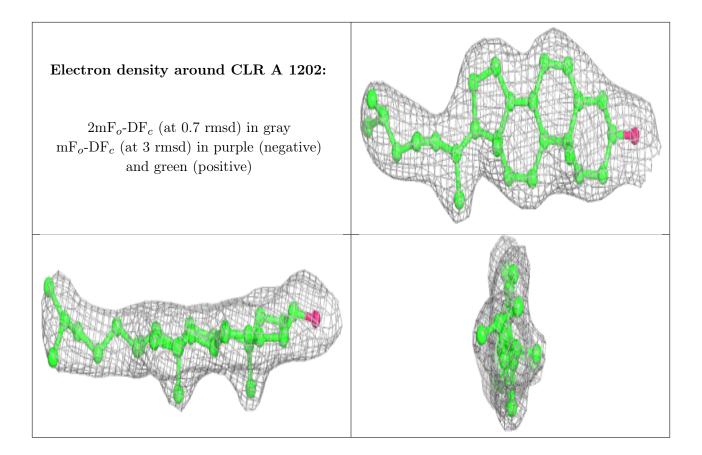




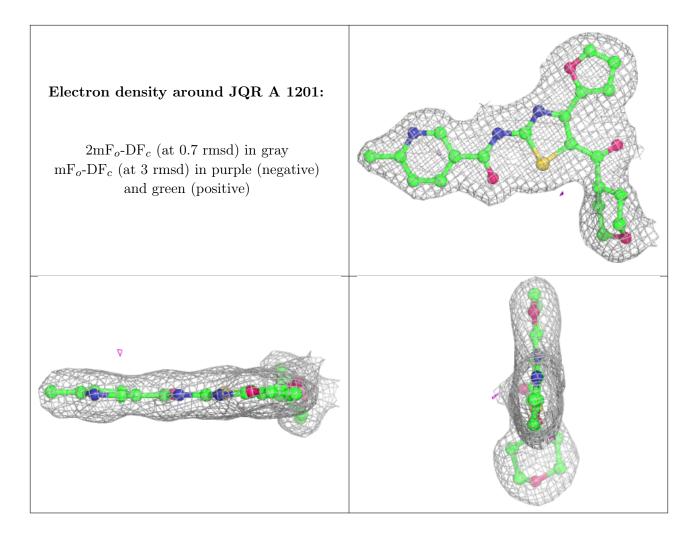












6.5 Other polymers (i)

There are no such residues in this entry.

