



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 5, 2026 – 10:08 AM UTC

PDB ID : 9P0S / pdb_00009p0s
Title : Structure of PYCR1 complexed with the allosteric inhibitor 4-hydroxy-7-(phenylamino)naphthalene-2-sulfonic acid
Authors : Tanner, J.J.; Meeks, K.R.
Deposited on : 2025-06-07
Resolution : 1.58 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 ⓘ 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 : **NOT EXECUTED**
Xtrriage (Phenix) : 2.0
EDS : **NOT EXECUTED**
Buster-report : **NOT EXECUTED**
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

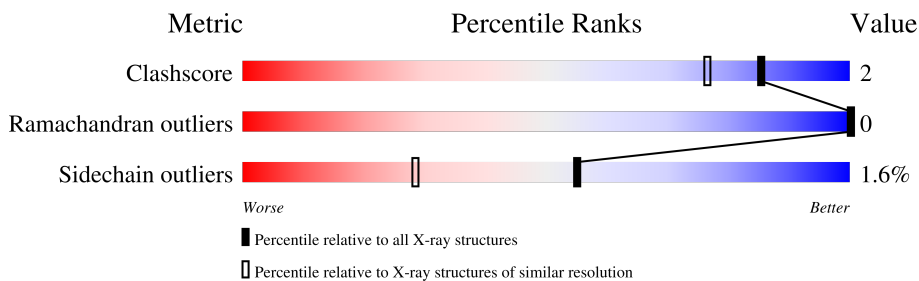
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.58 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))
Clashscore	190562	1105 (1.58-1.58)
Ramachandran outliers	187476	1082 (1.58-1.58)
Sidechain outliers	187428	1081 (1.58-1.58)

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 $\leq 5\%$

Note EDS was not executed.

Mol	Chain	Length	Quality of chain
1	A	316	
1	B	316	
1	C	316	
1	D	316	
1	E	316	

2 Entry composition [i](#)

There are 5 unique types of molecules in this entry. The entry contains 10676 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 Pyrroline-5-carboxylate reductase 1, mitochondrial.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	279	Total 2029	C 1283	N 354	O 378	S 14	0	7	0
1	B	279	Total 2011	C 1270	N 350	O 377	S 14	0	3	0
1	C	274	Total 1923	C 1213	N 335	O 361	S 14	0	3	0
1	D	275	Total 1918	C 1211	N 337	O 356	S 14	0	5	0
1	E	274	Total 1925	C 1214	N 337	O 361	S 13	0	5	0

There are 110 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-21	MET	-	initiating methionine	UNP P32322
A	-20	HIS	-	expression tag	UNP P32322
A	-19	HIS	-	expression tag	UNP P32322
A	-18	HIS	-	expression tag	UNP P32322
A	-17	HIS	-	expression tag	UNP P32322
A	-16	HIS	-	expression tag	UNP P32322
A	-15	HIS	-	expression tag	UNP P32322
A	-14	SER	-	expression tag	UNP P32322
A	-13	SER	-	expression tag	UNP P32322
A	-12	GLY	-	expression tag	UNP P32322
A	-11	VAL	-	expression tag	UNP P32322
A	-10	ASP	-	expression tag	UNP P32322
A	-9	LEU	-	expression tag	UNP P32322
A	-8	GLY	-	expression tag	UNP P32322
A	-7	THR	-	expression tag	UNP P32322
A	-6	GLU	-	expression tag	UNP P32322
A	-5	ASN	-	expression tag	UNP P32322
A	-4	LEU	-	expression tag	UNP P32322
A	-3	TYR	-	expression tag	UNP P32322

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Chain	Residue	Modelled	Actual	Comment	Reference
A	-2	PHE	-	expression tag	UNP P32322
A	-1	GLN	-	expression tag	UNP P32322
A	0	SER	-	expression tag	UNP P32322
B	-21	MET	-	initiating methionine	UNP P32322
B	-20	HIS	-	expression tag	UNP P32322
B	-19	HIS	-	expression tag	UNP P32322
B	-18	HIS	-	expression tag	UNP P32322
B	-17	HIS	-	expression tag	UNP P32322
B	-16	HIS	-	expression tag	UNP P32322
B	-15	HIS	-	expression tag	UNP P32322
B	-14	SER	-	expression tag	UNP P32322
B	-13	SER	-	expression tag	UNP P32322
B	-12	GLY	-	expression tag	UNP P32322
B	-11	VAL	-	expression tag	UNP P32322
B	-10	ASP	-	expression tag	UNP P32322
B	-9	LEU	-	expression tag	UNP P32322
B	-8	GLY	-	expression tag	UNP P32322
B	-7	THR	-	expression tag	UNP P32322
B	-6	GLU	-	expression tag	UNP P32322
B	-5	ASN	-	expression tag	UNP P32322
B	-4	LEU	-	expression tag	UNP P32322
B	-3	TYR	-	expression tag	UNP P32322
B	-2	PHE	-	expression tag	UNP P32322
B	-1	GLN	-	expression tag	UNP P32322
B	0	SER	-	expression tag	UNP P32322
C	-21	MET	-	initiating methionine	UNP P32322
C	-20	HIS	-	expression tag	UNP P32322
C	-19	HIS	-	expression tag	UNP P32322
C	-18	HIS	-	expression tag	UNP P32322
C	-17	HIS	-	expression tag	UNP P32322
C	-16	HIS	-	expression tag	UNP P32322
C	-15	HIS	-	expression tag	UNP P32322
C	-14	SER	-	expression tag	UNP P32322
C	-13	SER	-	expression tag	UNP P32322
C	-12	GLY	-	expression tag	UNP P32322
C	-11	VAL	-	expression tag	UNP P32322
C	-10	ASP	-	expression tag	UNP P32322
C	-9	LEU	-	expression tag	UNP P32322
C	-8	GLY	-	expression tag	UNP P32322
C	-7	THR	-	expression tag	UNP P32322
C	-6	GLU	-	expression tag	UNP P32322
C	-5	ASN	-	expression tag	UNP P32322

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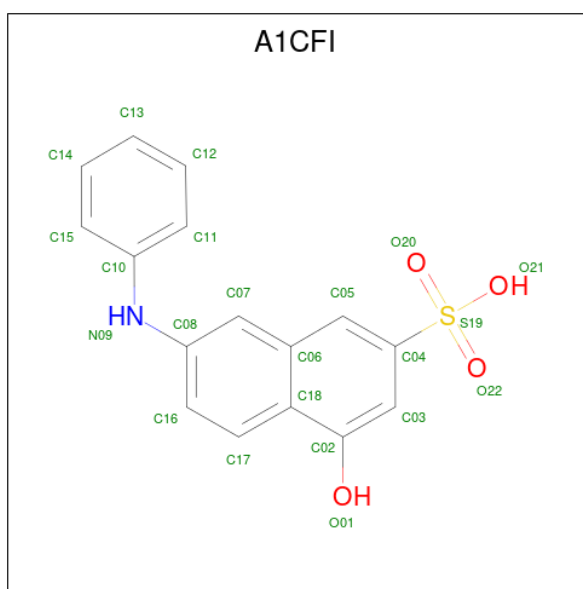
Chain	Residue	Modelled	Actual	Comment	Reference
C	-4	LEU	-	expression tag	UNP P32322
C	-3	TYR	-	expression tag	UNP P32322
C	-2	PHE	-	expression tag	UNP P32322
C	-1	GLN	-	expression tag	UNP P32322
C	0	SER	-	expression tag	UNP P32322
D	-21	MET	-	initiating methionine	UNP P32322
D	-20	HIS	-	expression tag	UNP P32322
D	-19	HIS	-	expression tag	UNP P32322
D	-18	HIS	-	expression tag	UNP P32322
D	-17	HIS	-	expression tag	UNP P32322
D	-16	HIS	-	expression tag	UNP P32322
D	-15	HIS	-	expression tag	UNP P32322
D	-14	SER	-	expression tag	UNP P32322
D	-13	SER	-	expression tag	UNP P32322
D	-12	GLY	-	expression tag	UNP P32322
D	-11	VAL	-	expression tag	UNP P32322
D	-10	ASP	-	expression tag	UNP P32322
D	-9	LEU	-	expression tag	UNP P32322
D	-8	GLY	-	expression tag	UNP P32322
D	-7	THR	-	expression tag	UNP P32322
D	-6	GLU	-	expression tag	UNP P32322
D	-5	ASN	-	expression tag	UNP P32322
D	-4	LEU	-	expression tag	UNP P32322
D	-3	TYR	-	expression tag	UNP P32322
D	-2	PHE	-	expression tag	UNP P32322
D	-1	GLN	-	expression tag	UNP P32322
D	0	SER	-	expression tag	UNP P32322
E	-21	MET	-	initiating methionine	UNP P32322
E	-20	HIS	-	expression tag	UNP P32322
E	-19	HIS	-	expression tag	UNP P32322
E	-18	HIS	-	expression tag	UNP P32322
E	-17	HIS	-	expression tag	UNP P32322
E	-16	HIS	-	expression tag	UNP P32322
E	-15	HIS	-	expression tag	UNP P32322
E	-14	SER	-	expression tag	UNP P32322
E	-13	SER	-	expression tag	UNP P32322
E	-12	GLY	-	expression tag	UNP P32322
E	-11	VAL	-	expression tag	UNP P32322
E	-10	ASP	-	expression tag	UNP P32322
E	-9	LEU	-	expression tag	UNP P32322
E	-8	GLY	-	expression tag	UNP P32322
E	-7	THR	-	expression tag	UNP P32322

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Chain	Residue	Modelled	Actual	Comment	Reference
E	-6	GLU	-	expression tag	UNP P32322
E	-5	ASN	-	expression tag	UNP P32322
E	-4	LEU	-	expression tag	UNP P32322
E	-3	TYR	-	expression tag	UNP P32322
E	-2	PHE	-	expression tag	UNP P32322
E	-1	GLN	-	expression tag	UNP P32322
E	0	SER	-	expression tag	UNP P32322

- Molecule 2 is 7-anilino-4-hydroxynaphthalene-2-sulfonic acid (CCD ID: A1CFI) (formula: $C_{16}H_{13}NO_4S$) (labeled as "Ligand of Interest" by depositor).



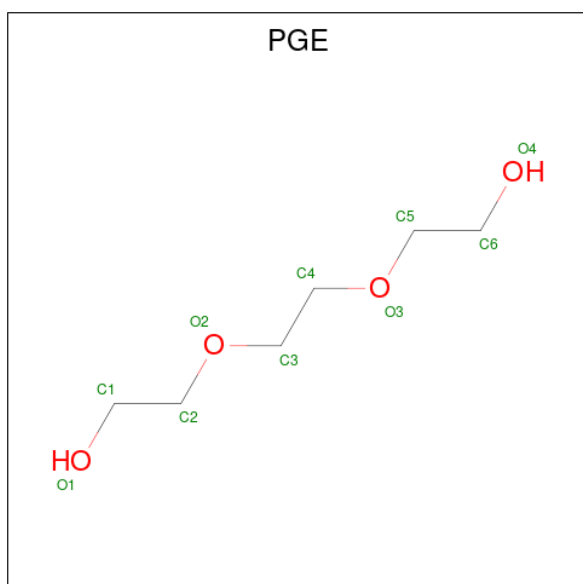
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	N	O	S		
2	A	1	Total	C	N	O	S	0	0
			22	16	1	4	1		
2	A	1	Total	C	N	O	S	0	0
			22	16	1	4	1		
2	C	1	Total	C	N	O	S	0	0
			22	16	1	4	1		
2	D	1	Total	C	N	O	S	0	0
			22	16	1	4	1		
2	E	1	Total	C	N	O	S	0	0
			22	16	1	4	1		

- Molecule 3 is SULFATE ION (CCD ID: SO4) (formula: O_4S).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	A	1	Total O S 5 4 1	0	0
3	B	1	Total O S 5 4 1	0	0
3	C	1	Total O S 5 4 1	0	0
3	D	1	Total O S 5 4 1	0	0
3	E	1	Total O S 5 4 1	0	0

- Molecule 4 is TRIETHYLENE GLYCOL (CCD ID: PGE) (formula: C₆H₁₄O₄).




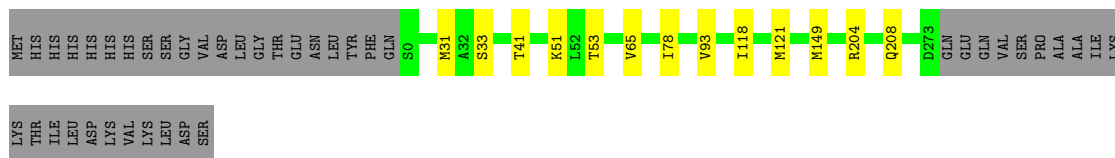
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	D	1	Total	C	O	0	0
			10	6	4		

- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	190	Total	O	0	0
			190	190		
5	B	152	Total	O	0	0
			152	152		
5	C	127	Total	O	0	0
			127	127		
5	D	123	Total	O	0	0
			123	123		
5	E	133	Total	O	0	0
			133	133		

- Molecule 1: Pyrroline-5-carboxylate reductase 1, mitochondrial

Chain E:  83% 13%



4 Data and refinement statistics

EDS was not executed - this section is therefore incomplete.

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	109.82Å 179.48Å 87.90Å 90.00° 106.45° 90.00°	Depositor
Resolution (Å)	71.05 – 1.58	Depositor
% Data completeness (in resolution range)	98.2 (71.05-1.58)	Depositor
R_{merge}	0.09	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.55 (at 1.58Å)	Xtrriage
Refinement program	PHENIX (1.21.2_5419: ???)	Depositor
R, R_{free}	0.182 , 0.197	Depositor
Wilson B-factor (Å ²)	20.7	Xtrriage
Anisotropy	0.397	Xtrriage
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
Total number of atoms	10676	wwPDB-VP
Average B, all atoms (Å ²)	35.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.69% of the height of the origin peak. No significant pseudotranslation is detected.*

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 [i](#)

5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: SO4, A1CFI, PGE

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	0.30	0/2082	0.48	0/2829
1	B	0.29	0/2052	0.49	0/2789
1	C	0.27	0/1961	0.44	0/2672
1	D	0.25	0/1961	0.43	0/2672
1	E	0.27	0/1969	0.45	0/2685
All	All	0.28	0/10025	0.46	0/13647

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	2029	0	2047	11	0
1	B	2011	0	2001	10	0
1	C	1923	0	1875	10	0
1	D	1918	0	1858	8	0
1	E	1925	0	1883	8	0
2	A	44	0	0	0	0
2	C	22	0	0	0	0
2	D	22	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	E	22	0	0	0	0
3	A	5	0	0	0	0
3	B	5	0	0	0	0
3	C	5	0	0	0	0
3	D	5	0	0	0	0
3	E	5	0	0	0	0
4	D	10	0	14	2	0
5	A	190	0	0	0	0
5	B	152	0	0	0	0
5	C	127	0	0	1	0
5	D	123	0	0	1	0
5	E	133	0	0	0	0
All	All	10676	0	9678	43	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 2.

All (43) 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:E:31[B]:MET:HG2	1:E:51:LYS:HB2	1.67	0.75
1:C:215:LYS:HE3	4:D:303:PGE:H12	1.78	0.66
1:B:133:THR:HG21	1:B:153:LEU:HD13	1.79	0.64
1:D:97:ALA:HB1	5:D:409:HOH:O	1.97	0.64
1:C:121[B]:MET:HE3	1:C:175:GLY:HA3	1.84	0.60
1:A:75:ILE:HD13	1:A:99:VAL:HG11	1.87	0.55
1:B:223:HIS:HE2	1:C:229:ASP:CG	2.15	0.54
1:A:14:ALA:HA	1:A:127[B]:VAL:HG22	1.88	0.54
1:C:121[B]:MET:HE2	1:C:171:THR:HG23	1.90	0.53
1:B:8:ALA:HB3	1:B:34:SER:HB2	1.92	0.52
1:E:118:ILE:HD13	1:E:149[B]:MET:HG2	1.91	0.52
1:C:231:VAL:HG12	1:D:124[A]:THR:HG21	1.90	0.52
1:D:215:LYS:HE3	4:D:303:PGE:H62	1.95	0.49
1:B:118:ILE:HG21	1:B:149[B]:MET:HE2	1.94	0.49
1:E:93:VAL:HG21	1:E:149[A]:MET:HE1	1.95	0.48
1:C:97:ALA:HB1	5:C:413:HOH:O	2.13	0.48
1:B:229:ASP:CG	1:C:223:HIS:HE2	2.22	0.47
1:B:118:ILE:CG2	1:B:149[B]:MET:HE2	2.45	0.47
1:C:13:PHE:HA	1:C:45:LEU:HD21	1.95	0.47
1:C:78:ILE:O	1:C:82:ILE:HG13	2.15	0.47
1:D:1:MET:HE3	1:D:25:LEU:HD21	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:93:VAL:CG2	1:E:149[A]:MET:HE1	2.46	0.46
1:A:8:ALA:HB3	1:A:34:SER:HB2	1.98	0.46
1:A:93:VAL:HG21	1:A:149[B]:MET:HE2	1.97	0.46
1:A:204[A]:ARG:NH1	1:A:208:GLN:HB2	2.31	0.45
1:E:65:VAL:HG11	1:E:149[B]:MET:HE1	1.98	0.45
1:A:78:ILE:O	1:A:82:ILE:HG13	2.17	0.44
1:A:124[A]:THR:HG21	1:B:231:VAL:HG12	1.99	0.43
1:D:33:SER:HA	1:D:53:THR:O	2.18	0.43
1:D:133:THR:O	1:D:159:CYS:HA	2.19	0.43
1:E:204:ARG:NH1	1:E:208:GLN:HB2	2.34	0.43
1:E:33:SER:HA	1:E:53:THR:O	2.19	0.43
1:A:4:GLY:HA3	1:A:63[A]:SER:OG	2.19	0.43
1:B:54:PRO:HG2	1:B:55:HIS:CE1	2.54	0.42
1:C:33:SER:HA	1:C:53:THR:O	2.19	0.42
1:D:204:ARG:NH1	1:D:208:GLN:HB2	2.35	0.42
1:D:45:LEU:HA	1:D:48:MET:HE3	2.00	0.42
1:A:121[A]:MET:HB2	1:A:167:ILE:HG23	2.02	0.41
1:A:133:THR:O	1:A:159:CYS:HA	2.21	0.41
1:A:1:MET:HE3	1:A:1:MET:HB3	1.87	0.41
1:B:120:CYS:HB2	1:B:149[B]:MET:HE1	2.03	0.41
1:E:31[B]:MET:HE2	1:E:31[B]:MET:HB3	1.85	0.41
1:B:33:SER:HA	1:B:53:THR:O	2.22	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	284/316 (90%)	278 (98%)	6 (2%)	0	100	100
1	B	280/316 (89%)	275 (98%)	5 (2%)	0	100	100
1	C	275/316 (87%)	267 (97%)	8 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	D	276/316 (87%)	270 (98%)	6 (2%)	0	100	100
1	E	277/316 (88%)	273 (99%)	4 (1%)	0	100	100
All	All	1392/1580 (88%)	1363 (98%)	29 (2%)	0	100	100

There are no Ramachandran outliers to report.

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	209/251 (83%)	204 (98%)	5 (2%)	43	13
1	B	203/251 (81%)	197 (97%)	6 (3%)	36	8
1	C	185/251 (74%)	183 (99%)	2 (1%)	65	43
1	D	180/251 (72%)	177 (98%)	3 (2%)	53	25
1	E	186/251 (74%)	183 (98%)	3 (2%)	55	28
All	All	963/1255 (77%)	944 (98%)	19 (2%)	55	20

All (19) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	-4	LEU
1	A	0	SER
1	A	121[A]	MET
1	A	121[B]	MET
1	A	216	MET
1	B	10	GLN
1	B	82	ILE
1	B	121[A]	MET
1	B	121[B]	MET
1	B	210	LEU
1	B	273	ASP
1	C	121[A]	MET
1	C	121[B]	MET

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Mol	Chain	Res	Type
1	D	89	ARG
1	D	121[A]	MET
1	D	121[B]	MET
1	E	41	THR
1	E	78	ILE
1	E	121	MET

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (4) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	219	HIS
1	B	55	HIS
1	C	140	HIS
1	D	219	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](#)

Mogul was not executed - this section is therefore empty.

5.5 Carbohydrates [i](#)

Mogul was not executed - this section is therefore empty.

5.6 Ligand geometry [i](#)

Mogul was not executed - this section is therefore empty.

5.7 Other polymers [i](#)

Mogul was not executed - this section is therefore empty.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

EDS was not executed - this section is therefore empty.

6.2 Non-standard residues in protein, DNA, RNA chains

EDS was not executed - this section is therefore empty.

6.3 Carbohydrates

EDS was not executed - this section is therefore empty.

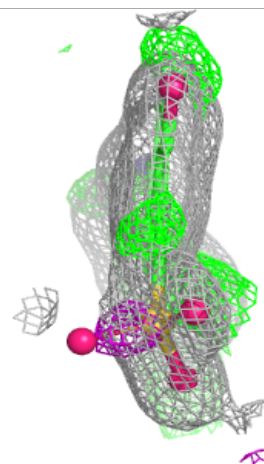
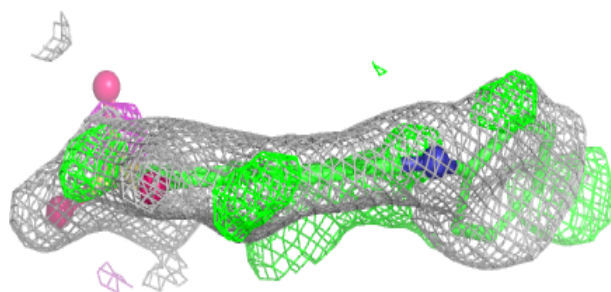
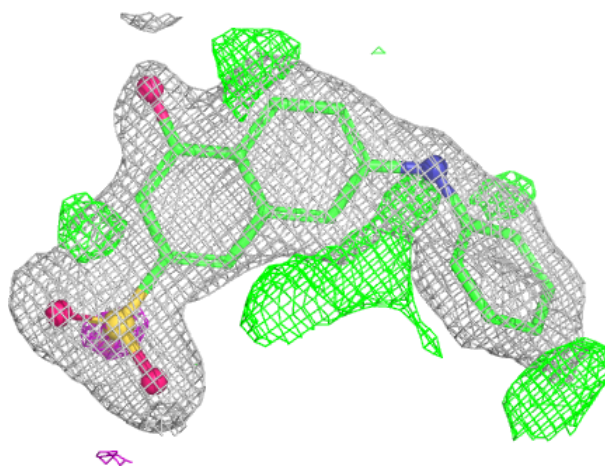
6.4 Ligands

EDS was not executed - this section is therefore empty.

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.

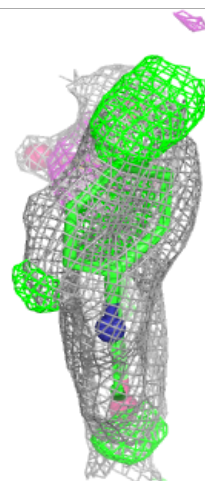
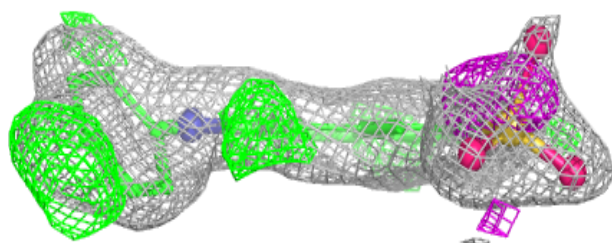
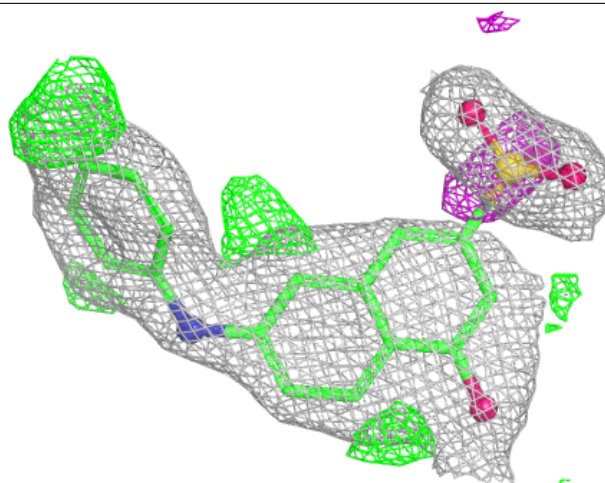
Electron density around A1CFI A 301:

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



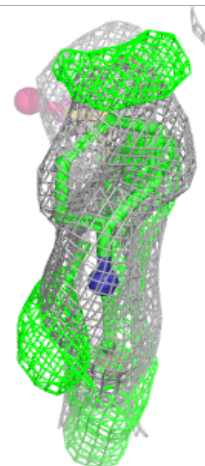
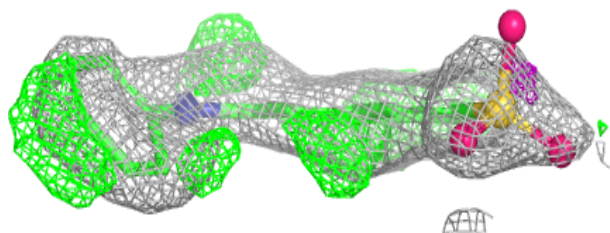
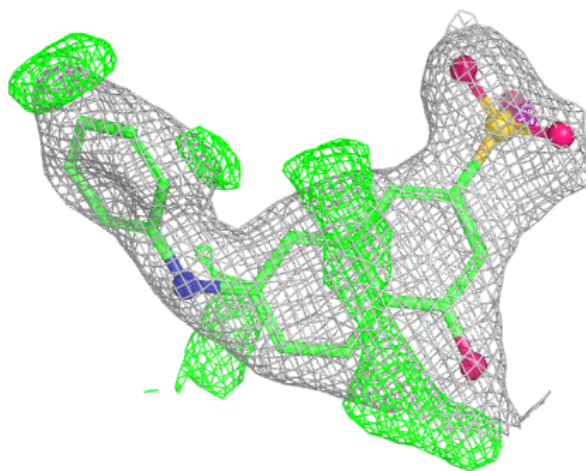
Electron density around A1CFI A 302:

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



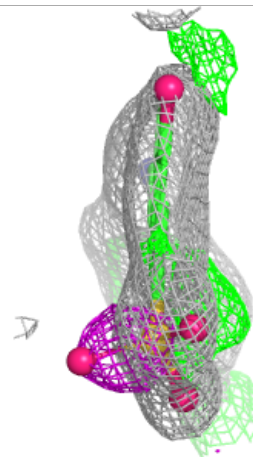
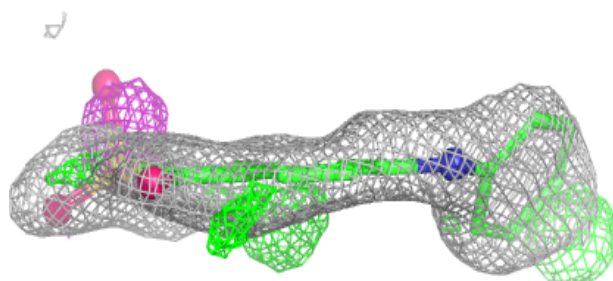
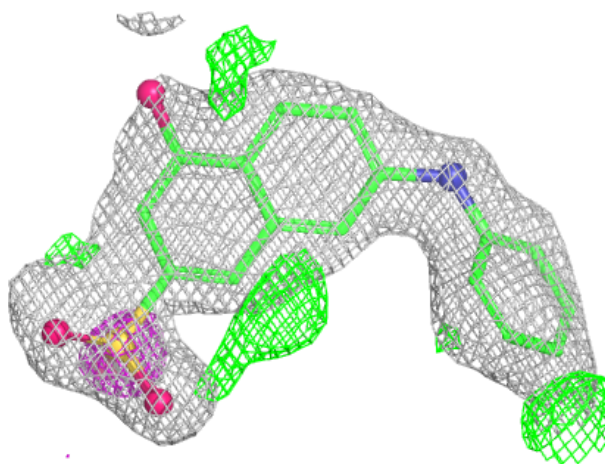
Electron density around A1CFI C 301:

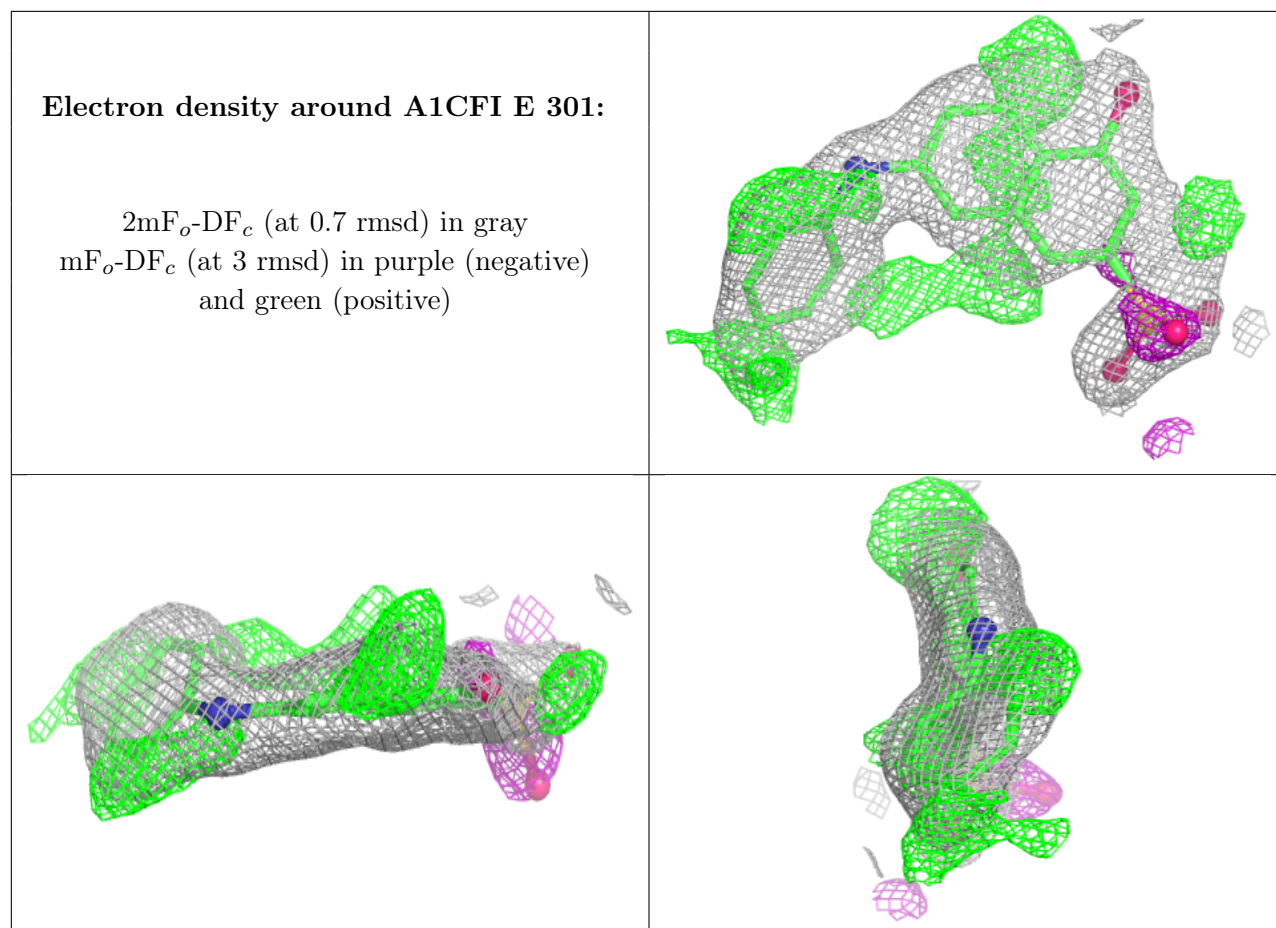
$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



Electron density around A1CFI D 301:

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





6.5 Other polymers [i](#)

EDS was not executed - this section is therefore empty.