



Full wwPDB X-ray Structure Validation Report ⓘ

Feb 1, 2016 – 04:32 PM GMT

PDB ID : 4FCB
Title : Potent and Selective Phosphodiesterase 10A Inhibitors
Authors : Parris, K.D.
Deposited on : 2012-05-24
Resolution : 2.10 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
<http://wwpdb.org/validation/2016/XrayValidationReportHelp>
with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467
Mogul : 1.7 (RC4), CSD as536be (2015)
Xtriage (Phenix) : 1.9-1692
EDS : rb-20026688
Percentile statistics : 20151230.v01 (using entries in the PDB archive December 30th 2015)
Refmac : 5.8.0135
CCP4 : 6.5.0
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : trunk26865

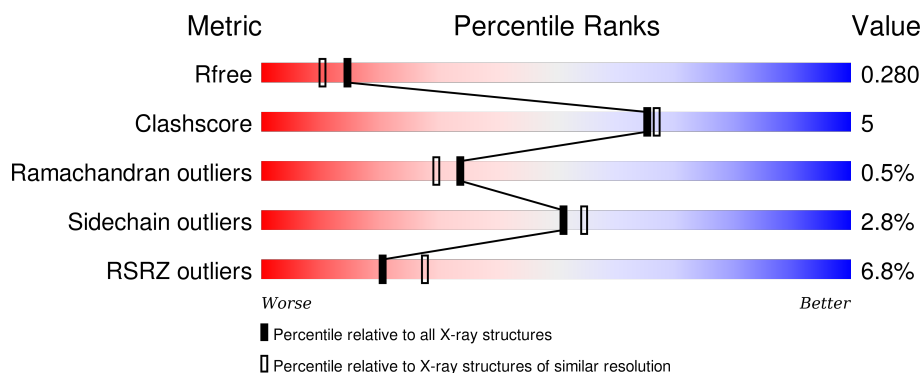
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION



The reported resolution of this entry is 2.10 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}	91344	3939 (2.10-2.10)
Clashscore	102246	4460 (2.10-2.10)
Ramachandran outliers	100387	4413 (2.10-2.10)
Sidechain outliers	100360	4414 (2.10-2.10)
RSRZ outliers	91569	3948 (2.10-2.10)

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. 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	345	 6% 80% 11% •• 7%
1	B	345	 7% 77% 12% • 10%

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 5290 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 cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	322	Total	C	N	O	S	0	2	0
			2623	1676	445	477	25			
1	B	310	Total	C	N	O	S	0	1	0
			2521	1606	430	460	25			

There are 8 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	435	GLY	-	EXPRESSION TAG	UNP Q9Y233
A	436	SER	-	EXPRESSION TAG	UNP Q9Y233
A	437	HIS	-	EXPRESSION TAG	UNP Q9Y233
A	438	MET	-	EXPRESSION TAG	UNP Q9Y233
B	435	GLY	-	EXPRESSION TAG	UNP Q9Y233
B	436	SER	-	EXPRESSION TAG	UNP Q9Y233
B	437	HIS	-	EXPRESSION TAG	UNP Q9Y233
B	438	MET	-	EXPRESSION TAG	UNP Q9Y233

- Molecule 2 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	B	1	Total	Zn	0	0
			1	1		
2	A	1	Total	Zn	0	0
			1	1		

- Molecule 3 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

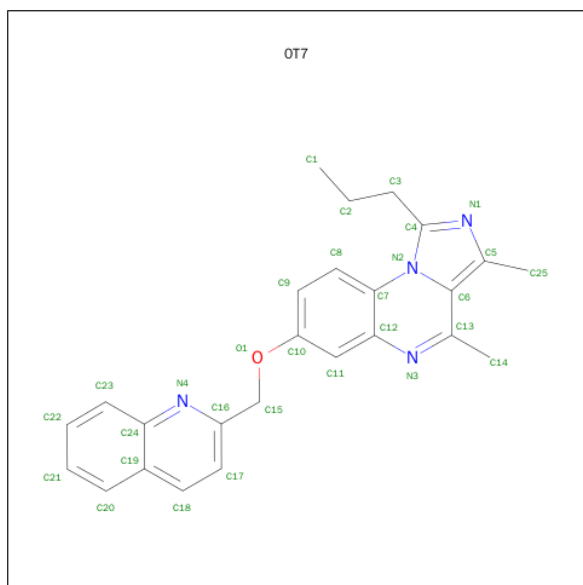
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	B	1	Total	Mg	0	0
			1	1		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	1	Total	Mg	0	0
			1	1		

- Molecule 4 is 3,4-DIMETHYL-1-PROPYL-7-(QUINOLIN-2-YLMETHOXY)IMIDAZO[1,5-A]QUINOXALINE (three-letter code: OT7) (formula: C₂₅H₂₄N₄O).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
4	A	1	Total	C	N	O	0	0
			30	25	4	1		
4	B	1	Total	C	N	O	0	0
			30	25	4	1		

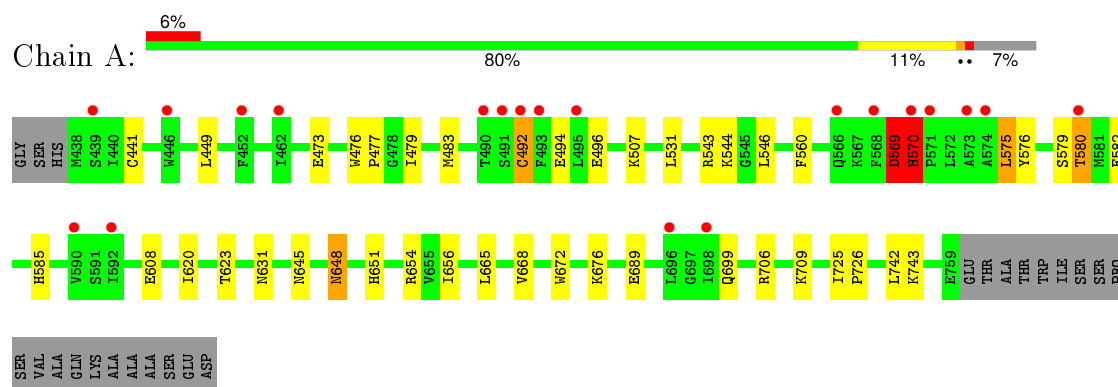
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	57	Total	O	0	0
			57	57		
5	B	25	Total	O	0	0
			25	25		

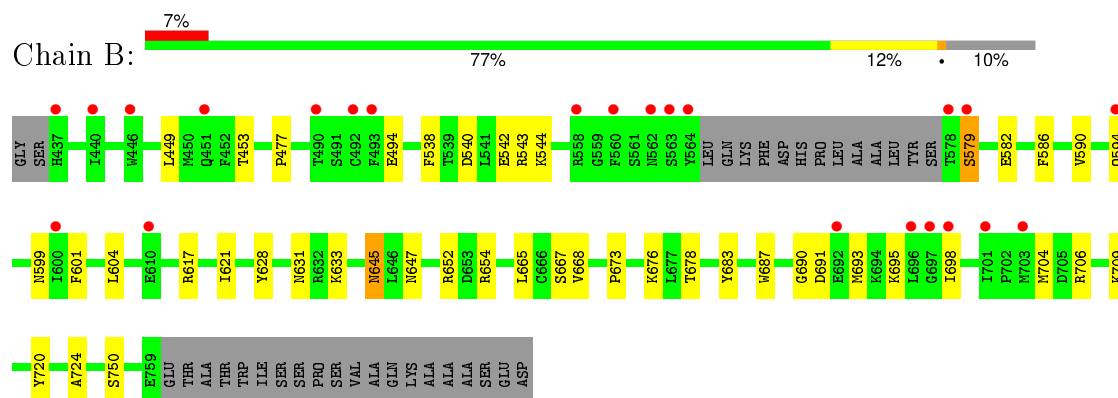
3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors 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: cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A



- Molecule 1: cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	50.15Å 81.17Å 157.23Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	41.17 – 2.10 42.67 – 2.09	Depositor EDS
% Data completeness (in resolution range)	88.8 (41.17-2.10) 88.7 (42.67-2.09)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.27 (at 2.10Å)	Xtriage
Refinement program	REFMAC 5.5.0053	Depositor
R, R_{free}	0.244 , 0.284 0.239 , 0.280	Depositor DCC
R_{free} test set	1708 reflections (5.27%)	DCC
Wilson B-factor (Å ²)	44.6	Xtriage
Anisotropy	0.384	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 44.3	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Outliers	0 of 34326 reflections	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	5290	wwPDB-VP
Average B, all atoms (Å ²)	52.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.34% 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, 0.375 respectively for untwinned datasets, and 0.333, 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: 0T7, ZN, MG

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	0.38	0/2687	0.53	1/3638 (0.0%)
1	B	0.38	0/2581	0.50	0/3492
All	All	0.38	0/5268	0.52	1/7130 (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
1	A	0	1

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed($^{\circ}$)	Ideal($^{\circ}$)
1	A	580	THR	N-CA-C	-7.86	89.77	111.00

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	579	SER	Peptide

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	2623	0	2586	25	0
1	B	2521	0	2482	24	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
3	A	1	0	0	0	0
3	B	1	0	0	0	0
4	A	30	0	24	2	0
4	B	30	0	24	2	0
5	A	57	0	0	2	0
5	B	25	0	0	0	0
All	All	5290	0	5116	52	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.

All (52) 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:B:803:OT7:H8	4:B:803:OT7:H5	1.75	0.66
1:B:540:ASP:O	1:B:544:LYS:HG2	1.98	0.63
1:A:648:ASN:HD22	1:A:648:ASN:C	2.04	0.61
1:A:645:ASN:H	1:A:651:HIS:HD2	1.47	0.60
1:A:672:TRP:CZ2	1:A:676:LYS:HD3	2.37	0.59
1:A:560:PHE:HA	1:A:689:GLU:OE1	2.04	0.57
1:A:546:LEU:HD21	1:A:656:ILE:HG23	1.84	0.57
1:B:691:ASP:O	1:B:695:LYS:HG2	2.07	0.54
1:B:693:MET:HB3	1:B:698:ILE:HB	1.89	0.53
1:A:665:LEU:O	1:A:668:VAL:HG22	2.10	0.52
1:B:631:ASN:HD22	1:B:654:ARG:HH11	1.57	0.52
1:B:590:VAL:HG12	1:B:594:GLN:HE21	1.74	0.52
1:A:706:ARG:O	1:A:709:LYS:HG3	2.11	0.51
1:B:687:TRP:HB3	1:B:706:ARG:HB3	1.93	0.50
1:B:617:ARG:O	1:B:621:ILE:HG12	2.13	0.49
1:B:667:SER:OG	1:B:678:THR:HG21	2.12	0.49
1:B:586:PHE:O	1:B:590:VAL:HG23	2.13	0.49
1:A:441:CYS:HA	1:A:507:LYS:HD2	1.95	0.49
1:B:579:SER:HB2	1:B:582:GLU:HB2	1.96	0.47
1:A:608:GLU:OE1	5:A:950:HOH:O	2.20	0.47
1:A:473:GLU:HA	1:A:476:TRP:CE2	2.49	0.47
1:B:673:PRO:HA	1:B:676:LYS:HE2	1.95	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:496[B]:GLU:CD	1:A:496[B]:GLU:H	2.18	0.46
1:A:494:GLU:HG2	1:A:496[B]:GLU:HG2	1.97	0.46
1:B:538:PHE:O	1:B:543:ARG:NH2	2.49	0.46
1:A:569:ASP:HA	1:A:570:HIS:O	2.14	0.46
1:A:449:LEU:HD13	1:A:477:PRO:HB2	1.97	0.46
1:A:546:LEU:HD21	1:A:656:ILE:CG2	2.45	0.46
4:A:803:OT7:H8	4:A:803:OT7:H7	1.98	0.46
1:B:683:TYR:CE2	4:B:803:OT7:H21	2.51	0.46
1:B:665:LEU:O	1:B:668:VAL:HG22	2.16	0.45
1:A:531:LEU:HD22	1:A:543:ARG:HG2	1.99	0.45
1:A:620:ILE:O	1:A:623:THR:OG1	2.24	0.45
1:A:631:ASN:HD22	1:A:654:ARG:HH11	1.64	0.44
1:B:542:GLU:CD	1:B:652:ARG:HH21	2.19	0.44
1:A:582:GLU:HA	1:A:585:HIS:HD2	1.82	0.44
1:B:706:ARG:O	1:B:709:LYS:HG3	2.17	0.43
1:B:690:GLY:HA3	1:B:704:MET:O	2.17	0.43
1:B:687:TRP:CH2	1:B:709:LYS:HG2	2.52	0.43
1:B:449:LEU:HD13	1:B:477:PRO:HB2	2.00	0.43
1:A:645:ASN:H	1:A:651:HIS:CD2	2.31	0.43
1:B:601:PHE:HB3	1:B:604:LEU:HD22	2.00	0.43
1:A:725:ILE:HB	1:A:726:PRO:HD3	2.02	0.42
4:A:803:OT7:H5	5:A:939:HOH:O	2.20	0.42
1:A:575:LEU:HD22	1:A:576:TYR:CZ	2.55	0.42
1:A:492:CYS:SG	1:A:544:LYS:HE2	2.59	0.42
1:A:582:GLU:HA	1:A:585:HIS:CD2	2.54	0.41
1:B:683:TYR:HB3	1:B:687:TRP:CZ2	2.56	0.41
1:B:645:ASN:ND2	1:B:647:ASN:H	2.18	0.41
1:A:479:ILE:O	1:A:483:MET:HG3	2.20	0.41
1:B:631:ASN:HD22	1:B:654:ARG:NH1	2.19	0.40
1:B:720:TYR:HA	1:B:724:ALA:HB3	2.04	0.40

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	322/345 (93%)	308 (96%)	11 (3%)	3 (1%)	21	15
1	B	307/345 (89%)	294 (96%)	13 (4%)	0	100	100
All	All	629/690 (91%)	602 (96%)	24 (4%)	3 (0%)	34	30

All (3) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	570	HIS
1	A	492	CYS
1	A	569	ASP

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	292/308 (95%)	284 (97%)	8 (3%)	52	56
1	B	282/308 (92%)	273 (97%)	9 (3%)	46	48
All	All	574/616 (93%)	557 (97%)	17 (3%)	51	51

All (17) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	569	ASP
1	A	570	HIS
1	A	575	LEU
1	A	580	THR
1	A	648	ASN
1	A	699	GLN
1	A	742	LEU
1	A	743	LYS
1	B	453[A]	THR
1	B	453[B]	THR

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	B	494	GLU
1	B	579	SER
1	B	599	ASN
1	B	628	TYR
1	B	633	LYS
1	B	645	ASN
1	B	750	SER

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (15) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	535	HIS
1	A	566	GLN
1	A	584	HIS
1	A	611	GLN
1	A	631	ASN
1	A	645	ASN
1	A	648	ASN
1	A	651	HIS
1	A	680	ASN
1	B	594	GLN
1	B	599	ASN
1	B	631	ASN
1	B	645	ASN
1	B	680	ASN
1	B	751	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 ⓘ

There are no carbohydrates in this entry.

5.6 Ligand geometry

Of 6 ligands modelled in this entry, 4 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$
4	0T7	A	803	-	27,34,34	1.41	5 (18%)	35,49,49	1.08	3 (8%)
4	0T7	B	803	-	27,34,34	1.39	6 (22%)	35,49,49	1.09	3 (8%)

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	0T7	A	803	-	-	0/8/8/8	0/5/5/5
4	0T7	B	803	-	-	0/8/8/8	0/5/5/5

All (11) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
4	A	803	0T7	C25-C5	-4.05	1.48	1.50
4	B	803	0T7	C25-C5	-3.83	1.48	1.50
4	A	803	0T7	C16-N4	2.01	1.36	1.32
4	A	803	0T7	C8-C9	2.01	1.40	1.36
4	B	803	0T7	C8-C9	2.02	1.40	1.36
4	B	803	0T7	C11-C10	2.10	1.40	1.37
4	B	803	0T7	C16-N4	2.12	1.36	1.32
4	B	803	0T7	C13-C6	2.27	1.45	1.42
4	B	803	0T7	C12-N3	2.31	1.41	1.37
4	A	803	0T7	C13-C6	2.33	1.46	1.42
4	A	803	0T7	C12-N3	2.48	1.41	1.37

All (6) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed($^{\circ}$)	Ideal($^{\circ}$)
4	B	803	0T7	C13-N3-C12	2.02	119.97	118.43
4	A	803	0T7	C13-N3-C12	2.16	120.07	118.43
4	A	803	0T7	C13-C6-N2	2.22	120.33	119.22
4	B	803	0T7	C10-C11-C12	2.62	120.70	119.14
4	B	803	0T7	C13-C6-N2	2.70	120.57	119.22
4	A	803	0T7	C10-C11-C12	2.86	120.84	119.14

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

2 monomers are involved in 4 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
4	A	803	0T7	2	0
4	B	803	0T7	2	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 ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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	322/345 (93%)	0.61	20 (6%) 24 32	33, 48, 71, 76	0
1	B	310/345 (89%)	0.78	23 (7%) 17 24	34, 53, 72, 84	0
All	All	632/690 (91%)	0.69	43 (6%) 20 28	33, 51, 71, 84	0

All (43) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	564	TYR	10.1
1	B	698	ILE	9.4
1	B	562	ASN	9.1
1	B	563	SER	7.4
1	B	437	HIS	5.5
1	B	579	SER	5.4
1	A	568	PHE	5.3
1	B	594	GLN	4.4
1	B	578	THR	4.4
1	B	490	THR	4.1
1	A	696	LEU	3.7
1	A	492	CYS	3.7
1	A	571	PRO	3.6
1	B	701	ILE	3.5
1	B	600	ILE	3.3
1	B	560	PHE	3.3
1	A	495	LEU	3.2
1	B	492	CYS	3.1
1	A	698	ILE	3.1
1	A	570	HIS	3.0
1	A	439	SER	3.0
1	A	566	GLN	2.9
1	A	493	PHE	2.8
1	B	446	TRP	2.7

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	A	446	TRP	2.6
1	A	580	THR	2.6
1	A	490	THR	2.5
1	A	452	PHE	2.5
1	B	692	GLU	2.5
1	B	451	GLN	2.5
1	A	462	ILE	2.5
1	B	703	MET	2.5
1	A	574	ALA	2.5
1	B	440	ILE	2.5
1	B	558	ARG	2.5
1	A	590	VAL	2.4
1	A	592	ILE	2.4
1	A	573	ALA	2.4
1	B	696	LEU	2.3
1	A	491	SER	2.3
1	B	493	PHE	2.2
1	B	697	GLY	2.2
1	B	610	GLU	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](#)

There are no carbohydrates 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. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. 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	LLDF	B-factors(Å ²)	Q<0.9
4	OT7	B	803	30/30	0.81	0.23	1.66	61,63,65,65	0
3	MG	A	802	1/1	0.95	0.16	1.43	33,33,33,33	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
4	OT7	A	803	30/30	0.88	0.21	1.22	49,51,54,54	0
2	ZN	B	801	1/1	0.99	0.14	0.87	46,46,46,46	0
2	ZN	A	801	1/1	0.99	0.12	-0.32	42,42,42,42	0
3	MG	B	802	1/1	0.94	0.11	-0.55	40,40,40,40	0

6.5 Other polymers [i](#)

There are no such residues in this entry.