



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 5, 2026 – 12:32 PM UTC

PDB ID : 3ZUL / pdb_00003zul
Title : Padron on (fluorescent) Ic1s intermediate state
Authors : Faro, A.R.; Carpentier, P.; Bougeois, D.
Deposited on : 2011-07-19
Resolution : 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 ⓘ 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

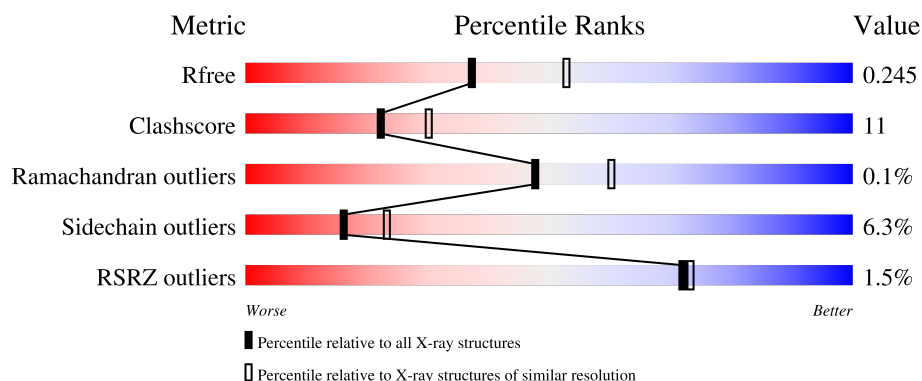
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 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	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	6319 (2.30-2.30)
Clashscore	190562	6919 (2.30-2.30)
Ramachandran outliers	187476	6854 (2.30-2.30)
Sidechain outliers	187428	6854 (2.30-2.30)
RSRZ outliers	180081	6325 (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 $\leq 5\%$. 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	221	% 77% 18% ..
1	B	221	2% 79% 15% ..
1	C	221	2% 77% 18% ..
1	D	221	% 75% 20% ..
1	E	221	% 74% 21% ..

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
1	F	221	% 68%26%...

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
1	GYC	E	63	-	-	X	-

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 11166 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 FLUORESCENT PROTEIN DRONPA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	214	Total	C	N	O	S	11	6	0
			1770	1130	302	328	10			
1	B	214	Total	C	N	O	S	0	2	0
			1733	1107	293	323	10			
1	C	216	Total	C	N	O	S	0	6	0
			1776	1133	302	331	10			
1	D	214	Total	C	N	O	S	0	4	0
			1751	1119	296	326	10			
1	E	214	Total	C	N	O	S	0	12	0
			1813	1153	310	339	11			
1	F	214	Total	C	N	O	S	0	11	0
			1810	1153	309	337	11			

There are 54 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	59	MET	THR	conflict	UNP Q5TLG6
A	63	GYC	CYS	chromophore	UNP P42212
A	63	GYC	TYR	chromophore	UNP Q5TLG6
A	63	GYC	GLY	chromophore	UNP Q5TLG6
A	94	ILE	ASN	conflict	UNP Q5TLG6
A	141	LEU	PRO	conflict	UNP Q5TLG6
A	155	SER	GLY	conflict	UNP Q5TLG6
A	159	TYR	MET	conflict	UNP Q5TLG6
A	190	SER	PHE	conflict	UNP Q5TLG6
B	59	MET	THR	conflict	UNP Q5TLG6
B	63	GYC	CYS	chromophore	UNP P42212
B	63	GYC	TYR	chromophore	UNP Q5TLG6
B	63	GYC	GLY	chromophore	UNP Q5TLG6
B	94	ILE	ASN	conflict	UNP Q5TLG6
B	141	LEU	PRO	conflict	UNP Q5TLG6
B	155	SER	GLY	conflict	UNP Q5TLG6
B	159	TYR	MET	conflict	UNP Q5TLG6

Continued on next page...

Continued from previous page...

Chain	Residue	Modelled	Actual	Comment	Reference
B	190	SER	PHE	conflict	UNP Q5TLG6
C	59	MET	THR	conflict	UNP Q5TLG6
C	63	GYC	CYS	chromophore	UNP P42212
C	63	GYC	TYR	chromophore	UNP Q5TLG6
C	63	GYC	GLY	chromophore	UNP Q5TLG6
C	94	ILE	ASN	conflict	UNP Q5TLG6
C	141	LEU	PRO	conflict	UNP Q5TLG6
C	155	SER	GLY	conflict	UNP Q5TLG6
C	159	TYR	MET	conflict	UNP Q5TLG6
C	190	SER	PHE	conflict	UNP Q5TLG6
D	59	MET	THR	conflict	UNP Q5TLG6
D	63	GYC	CYS	chromophore	UNP P42212
D	63	GYC	TYR	chromophore	UNP Q5TLG6
D	63	GYC	GLY	chromophore	UNP Q5TLG6
D	94	ILE	ASN	conflict	UNP Q5TLG6
D	141	LEU	PRO	conflict	UNP Q5TLG6
D	155	SER	GLY	conflict	UNP Q5TLG6
D	159	TYR	MET	conflict	UNP Q5TLG6
D	190	SER	PHE	conflict	UNP Q5TLG6
E	59	MET	THR	conflict	UNP Q5TLG6
E	63	GYC	CYS	chromophore	UNP P42212
E	63	GYC	TYR	chromophore	UNP Q5TLG6
E	63	GYC	GLY	chromophore	UNP Q5TLG6
E	94	ILE	ASN	conflict	UNP Q5TLG6
E	141	LEU	PRO	conflict	UNP Q5TLG6
E	155	SER	GLY	conflict	UNP Q5TLG6
E	159	TYR	MET	conflict	UNP Q5TLG6
E	190	SER	PHE	conflict	UNP Q5TLG6
F	59	MET	THR	conflict	UNP Q5TLG6
F	63	GYC	CYS	chromophore	UNP P42212
F	63	GYC	TYR	chromophore	UNP Q5TLG6
F	63	GYC	GLY	chromophore	UNP Q5TLG6
F	94	ILE	ASN	conflict	UNP Q5TLG6
F	141	LEU	PRO	conflict	UNP Q5TLG6
F	155	SER	GLY	conflict	UNP Q5TLG6
F	159	TYR	MET	conflict	UNP Q5TLG6
F	190	SER	PHE	conflict	UNP Q5TLG6

- Molecule 2 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	100	Total O 101 101	0	1

Continued on next page...

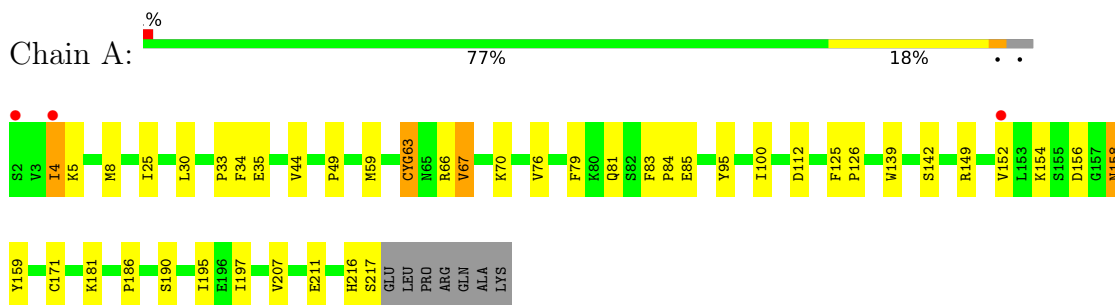
Continued from previous page...

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	B	74	Total 74	O 74	0	0
2	C	100	Total 100	O 100	0	0
2	D	106	Total 106	O 106	0	0
2	E	64	Total 64	O 64	0	0
2	F	68	Total 68	O 68	0	0

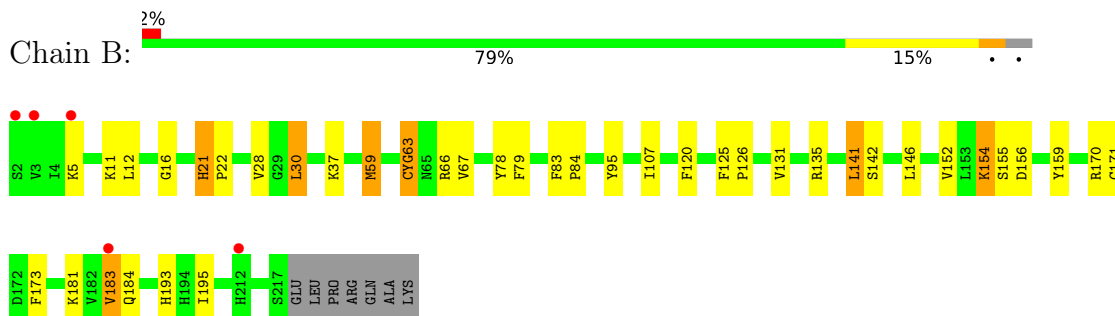
3 Residue-property plots [i](#)

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.

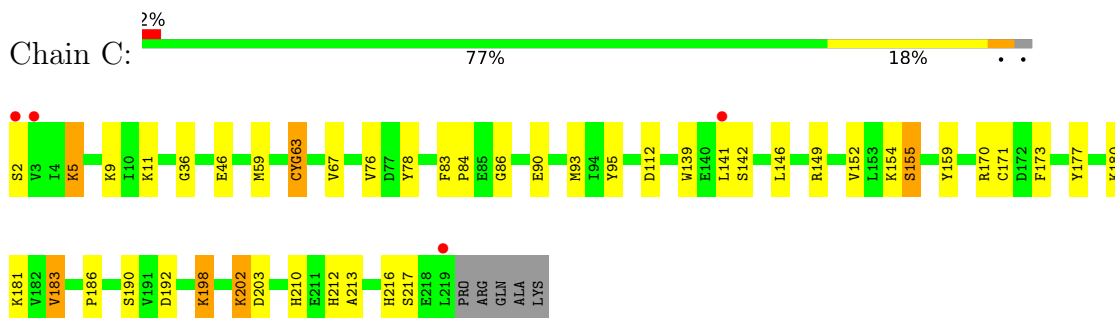
• Molecule 1: FLUORESCENT PROTEIN DRONPA



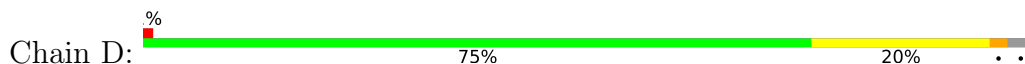
• Molecule 1: FLUORESCENT PROTEIN DRONPA

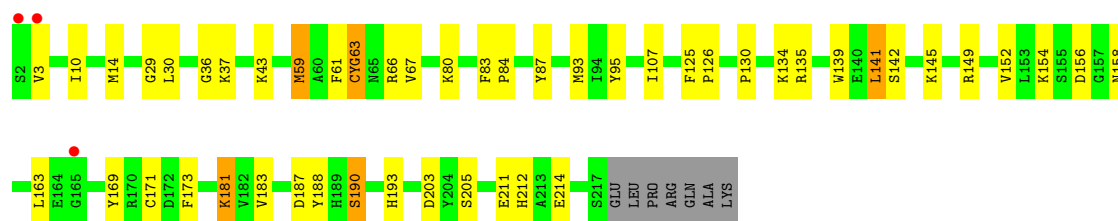


• Molecule 1: FLUORESCENT PROTEIN DRONPA

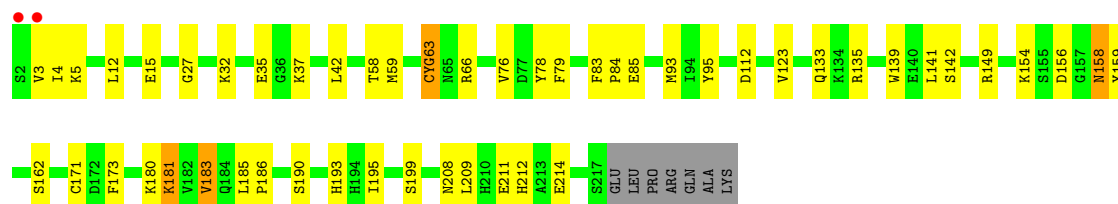
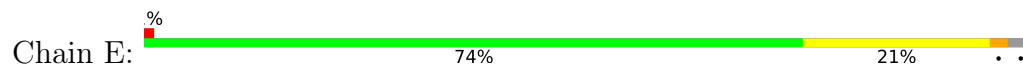


• Molecule 1: FLUORESCENT PROTEIN DRONPA

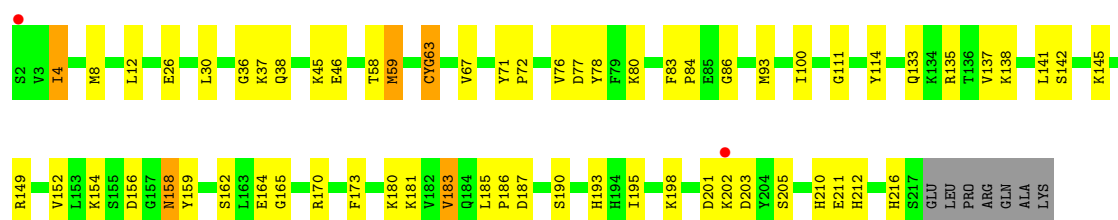




● Molecule 1: FLUORESCENT PROTEIN DRONPA



● Molecule 1: FLUORESCENT PROTEIN DRONPA



4 Data and refinement statistics

Property	Value	Source
Space group	P 2 ₁ 2 ₁ 2	Depositor
Cell constants a, b, c, α , β , γ	108.97Å 181.38Å 72.82Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	46.52 – 2.30 46.52 – 2.30	Depositor EDS
% Data completeness (in resolution range)	99.6 (46.52-2.30) 99.6 (46.52-2.30)	Depositor EDS
R_{merge}	0.11	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.62 (at 2.29Å)	Xtriage
Refinement program	PHENIX (PHENIX.REFINE)	Depositor
R, R_{free}	0.204 , 0.256 0.195 , 0.245	Depositor DCC
R_{free} test set	2000 reflections (3.09%)	wwPDB-VP
Wilson B-factor (Å ²)	22.7	Xtriage
Anisotropy	0.460	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.31 , 29.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	11166	wwPDB-VP
Average B, all atoms (Å ²)	23.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 15.01% 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: GYC

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	0.52	0/1794	0.80	0/2419
1	B	0.48	0/1757	0.77	2/2372 (0.1%)
1	C	0.50	0/1800	0.78	0/2428
1	D	0.50	0/1775	0.76	0/2395
1	E	0.46	0/1837	0.77	2/2473 (0.1%)
1	F	0.46	0/1834	0.75	0/2470
All	All	0.49	0/10797	0.77	4/14557 (0.0%)

There are no bond length outliers.

All (4) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	21	HIS	CA-C-N	5.36	125.27	119.85
1	B	21	HIS	C-N-CA	5.36	125.27	119.85
1	E	32	LYS	CA-C-N	5.04	125.06	119.32
1	E	32	LYS	C-N-CA	5.04	125.06	119.32

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	1770	0	1693	37	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	B	1733	0	1646	30	1
1	C	1776	0	1689	36	1
1	D	1751	0	1671	38	1
1	E	1813	0	1726	46	1
1	F	1810	0	1724	39	1
2	A	101	0	0	11	0
2	B	74	0	0	7	0
2	C	100	0	0	0	0
2	D	106	0	0	5	0
2	E	64	0	0	9	0
2	F	68	0	0	6	0
All	All	11166	0	10149	221	3

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 11.

The worst 5 of 221 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:133:GLN:OE1	1:E:135[A]:ARG:NH1	2.05	0.89
1:A:158:ASN:HD22	1:A:158:ASN:H	1.15	0.89
1:E:59[B]:MET:HG3	2:E:2020:HOH:O	1.72	0.88
1:F:133:GLN:OE1	1:F:135[B]:ARG:NH2	2.09	0.85
1:F:4:ILE:HD13	2:F:2002:HOH:O	1.78	0.82

All (3) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:156:ASP:OD2	1:F:170:ARG:NE[4_455]	2.10	0.10
1:B:156:ASP:OD2	1:B:170:ARG:NE[2_555]	2.15	0.05
1:C:170:ARG:NE	1:D:156:ASP:OD2[4_455]	2.18	0.02

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	215/221 (97%)	213 (99%)	2 (1%)	0	100	100
1	B	211/221 (96%)	209 (99%)	2 (1%)	0	100	100
1	C	217/221 (98%)	213 (98%)	4 (2%)	0	100	100
1	D	213/221 (96%)	212 (100%)	1 (0%)	0	100	100
1	E	221/221 (100%)	219 (99%)	2 (1%)	0	100	100
1	F	220/221 (100%)	216 (98%)	3 (1%)	1 (0%)	24	31
All	All	1297/1326 (98%)	1282 (99%)	14 (1%)	1 (0%)	48	60

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	F	111	GLY

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	187/189 (99%)	180 (96%)	7 (4%)	30	45
1	B	182/189 (96%)	169 (93%)	13 (7%)	13	19
1	C	186/189 (98%)	173 (93%)	13 (7%)	14	19
1	D	185/189 (98%)	171 (92%)	14 (8%)	12	16
1	E	192/189 (102%)	178 (93%)	14 (7%)	13	18
1	F	191/189 (101%)	172 (90%)	19 (10%)	7	9
All	All	1123/1134 (99%)	1043 (93%)	80 (7%)	16	19

5 of 80 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	E	183	VAL
1	F	152[A]	VAL
1	E	190[B]	SER
1	F	59[B]	MET
1	F	183	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 10 such sidechains are listed below:

Mol	Chain	Res	Type
1	D	184	GLN
1	D	212	HIS
1	E	21	HIS
1	B	38	GLN
1	B	81	GLN

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

6 non-standard protein/DNA/RNA residues 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
1	GYC	C	63	1	21,22,23	4.30	6 (28%)	26,30,32	3.44	7 (26%)
1	GYC	B	63	1	21,22,23	4.31	6 (28%)	26,30,32	3.56	6 (23%)
1	GYC	F	63	1	21,22,23	4.26	6 (28%)	26,30,32	3.53	7 (26%)
1	GYC	A	63	1	21,22,23	4.25	6 (28%)	26,30,32	3.17	7 (26%)
1	GYC	E	63	1	21,22,23	4.32	6 (28%)	26,30,32	3.27	7 (26%)
1	GYC	D	63	1	21,22,23	4.28	6 (28%)	26,30,32	3.14	10 (38%)

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
1	GYC	C	63	1	-	1/10/29/30	0/2/2/2
1	GYC	B	63	1	-	1/10/29/30	0/2/2/2
1	GYC	F	63	1	-	0/10/29/30	0/2/2/2
1	GYC	A	63	1	-	1/10/29/30	0/2/2/2
1	GYC	E	63	1	-	3/10/29/30	0/2/2/2
1	GYC	D	63	1	-	2/10/29/30	0/2/2/2

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	E	63	GYC	CB2-CA2	14.96	1.49	1.35
1	C	63	GYC	CB2-CA2	14.47	1.49	1.35
1	D	63	GYC	CB2-CA2	14.46	1.49	1.35
1	A	63	GYC	CB2-CA2	14.45	1.49	1.35
1	B	63	GYC	CB2-CA2	14.41	1.49	1.35

The worst 5 of 44 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	63	GYC	O2-C2-CA2	-11.65	123.58	131.02
1	C	63	GYC	O2-C2-CA2	-11.41	123.74	131.02
1	F	63	GYC	O2-C2-CA2	-10.56	124.28	131.02
1	E	63	GYC	O2-C2-CA2	-9.35	125.05	131.02
1	B	63	GYC	CA2-C2-N3	9.14	111.17	103.50

There are no chirality outliers.

5 of 8 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	E	63	GYC	C2-CA2-CB2-CG2
1	B	63	GYC	C3-CA3-N3-C2
1	D	63	GYC	C3-CA3-N3-C2
1	C	63	GYC	C3-CA3-N3-C2
1	E	63	GYC	N2-CA2-CB2-CG2

There are no ring outliers.

6 monomers are involved in 27 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	C	63	GYC	6	0
1	B	63	GYC	4	0
1	F	63	GYC	3	0
1	A	63	GYC	5	0
1	E	63	GYC	7	0
1	D	63	GYC	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

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	212/221 (95%)	-0.40	3 (1%) 73 75	7, 19, 37, 50	5 (2%)
1	B	213/221 (96%)	-0.18	5 (2%) 61 63	12, 23, 41, 62	2 (0%)
1	C	215/221 (97%)	-0.26	4 (1%) 66 68	7, 20, 37, 67	6 (2%)
1	D	213/221 (96%)	-0.22	3 (1%) 73 75	9, 21, 39, 62	4 (1%)
1	E	213/221 (96%)	-0.05	2 (0%) 81 82	9, 24, 43, 71	12 (5%)
1	F	213/221 (96%)	-0.18	2 (0%) 81 82	10, 21, 39, 57	11 (5%)
All	All	1279/1326 (96%)	-0.21	19 (1%) 72 73	7, 21, 40, 71	40 (3%)

The worst 5 of 19 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	C	2	SER	4.7
1	E	2	SER	4.1
1	C	141	LEU	3.2
1	B	2	SER	3.1
1	D	2	SER	2.9

6.2 Non-standard residues in protein, DNA, RNA chains [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
1	GYC	B	63	21/22	0.94	0.10	20,25,41,47	0
1	GYC	C	63	21/22	0.94	0.09	15,30,41,44	0
1	GYC	D	63	21/22	0.94	0.10	20,29,42,48	0
1	GYC	E	63	21/22	0.94	0.10	23,33,48,54	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	GYC	F	63	21/22	0.94	0.10	12,31,39,45	0
1	GYC	A	63	21/22	0.96	0.08	11,24,37,39	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

There are no ligands in this entry.

6.5 Other polymers [i](#)

There are no such residues in this entry.