



# Full wwPDB X-ray Structure Validation Report ⓘ

Oct 30, 2017 – 10:24 PM EDT

PDB ID : 3Q0C  
Title : Crystal structure of SUVH5 SRA-fully methylated CG DNA complex in space group P6122  
Authors : Eerappa, R.; Simanshu, D.K.; Patel, D.J.  
Deposited on : unknown  
Resolution : 2.66 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](mailto: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.

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

MolProbity	:	4.02b-467
Mogul	:	1.7.2 (RC1), CSD as538be (2017)
Xtriage (Phenix)	:	1.9-1692
EDS	:	rb-20030345
Percentile statistics	:	20161228.v01 (using entries in the PDB archive December 28th 2016)
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)	:	rb-20030345

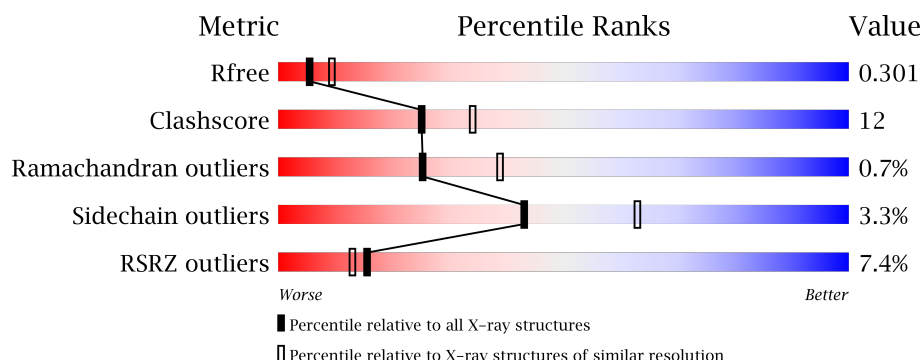
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

## *X-RAY DIFFRACTION*

The reported resolution of this entry is 2.66 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))
$R_{free}$	100719	3491 (2.70-2.62)
Clashscore	112137	1026 (2.68-2.64)
Ramachandran outliers	110173	1010 (2.68-2.64)
Sidechain outliers	110143	1010 (2.68-2.64)
RSRZ outliers	101464	3511 (2.70-2.62)

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  $\geq 3$ , 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	167	<div> <div>13%</div> <div>67%</div> <div>18%</div> <div>•</div> <div>14%</div> </div>
1	X	167	<div> <div>%</div> <div>68%</div> <div>19%</div> <div>•</div> <div>12%</div> </div>
2	B	11	<div> <div>64%</div> <div>36%</div> </div>
2	C	11	<div> <div>55%</div> <div>36%</div> <div>9%</div> </div>

## 2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 2706 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 Histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	X	147	Total	C	N	O	S	0	0	0
			1136	721	195	218	2			
1	A	144	Total	C	N	O	S	0	0	0
			1107	703	191	211	2			

- Molecule 2 is a DNA chain called DNA (5'-D(\*AP\*CP\*TP\*AP\*(5CM)P\*GP\*TP\*AP\*GP\*TP\*T)-3').

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	C	10	Total	C	N	O	P	0	0	0
			203	99	37	58	9			
2	B	11	Total	C	N	O	P	0	0	0
			223	109	39	65	10			

- 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		

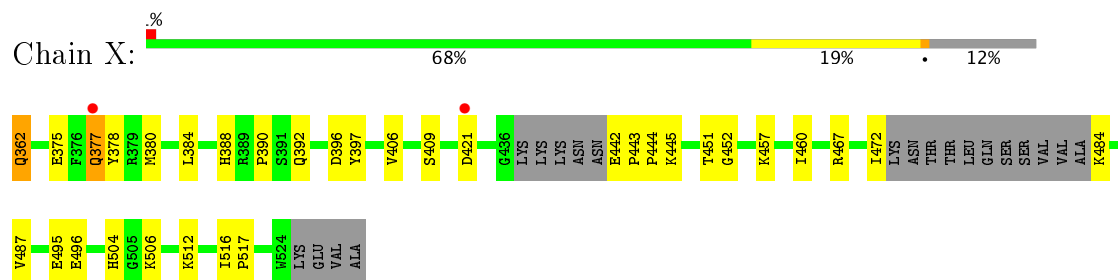
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	X	18	Total	O	0	0
			18	18		
4	A	12	Total	O	0	0
			12	12		
4	C	3	Total	O	0	0
			3	3		
4	B	3	Total	O	0	0
			3	3		

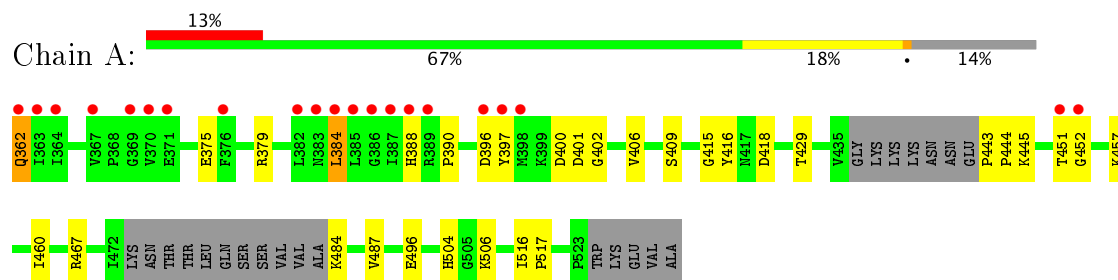
### 3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of 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: Histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH5



- Molecule 1: Histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH5



- Molecule 2: DNA (5'-D(\*AP\*CP\*TP\*AP\*(5CM)P\*GP\*TP\*AP\*GP\*TP\*T)-3')



- Molecule 2: DNA (5'-D(\*AP\*CP\*TP\*AP\*(5CM)P\*GP\*TP\*AP\*GP\*TP\*T)-3')



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 61 2 2	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	104.46 Å   104.46 Å   176.69 Å 90.00°   90.00°   120.00°	Depositor
Resolution (Å)	19.85 – 2.66 45.23 – 2.66	Depositor EDS
% Data completeness (in resolution range)	99.9 (19.85-2.66) 99.9 (45.23-2.66)	Depositor EDS
$R_{merge}$	0.14	Depositor
$R_{sym}$	0.13	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.73 (at 2.65 Å)	Xtriage
Refinement program	PHENIX (phenix.refine)	Depositor
R, $R_{free}$	0.251   ,   0.303 0.249   ,   0.301	Depositor DCC
$R_{free}$ test set	863 reflections (5.06%)	DCC
Wilson B-factor (Å <sup>2</sup> )	52.7	Xtriage
Anisotropy	0.163	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.31 , 50.6	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.50$ , $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
$F_o, F_c$ correlation	0.89	EDS
Total number of atoms	2706	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	52.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.82% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

<sup>2</sup>Theoretical 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: MG, 5CM

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	0/1127	0.48	0/1523
1	X	0.32	0/1156	0.47	0/1562
2	B	0.68	0/226	1.40	1/345 (0.3%)
2	C	0.76	0/204	1.37	2/311 (0.6%)
All	All	0.40	0/2713	0.72	3/3741 (0.1%)

There are no bond length outliers.

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	3	DT	O4'-C1'-N1	-8.29	102.20	108.00
2	C	4	DA	O4'-C1'-N9	6.15	112.31	108.00
2	B	4	DA	O4'-C1'-N9	5.21	111.64	108.00

There are no chirality outliers.

There are no planarity outliers.

### 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	1107	0	1090	29	0
1	X	1136	0	1123	30	0
2	B	223	0	129	8	0
2	C	203	0	117	3	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	B	1	0	0	0	0
4	A	12	0	0	1	0
4	B	3	0	0	0	0
4	C	3	0	0	0	0
4	X	18	0	0	0	0
All	All	2706	0	2459	61	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 12.

All (61) 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:X:451:THR:HG22	1:X:452:GLY:H	1.40	0.84
1:X:442:GLU:N	1:X:443:PRO:HD3	1.94	0.83
1:A:451:THR:HG22	1:A:452:GLY:H	1.46	0.79
1:A:375:GLU:HB3	1:A:484:LYS:HG3	1.69	0.74
1:A:451:THR:HG22	1:A:452:GLY:N	2.04	0.73
1:X:375:GLU:HG2	1:X:487:VAL:HG12	1.69	0.72
1:A:504:HIS:HD2	1:A:506:LYS:H	1.37	0.72
1:X:451:THR:HG22	1:X:452:GLY:N	2.03	0.72
1:X:504:HIS:HD2	1:X:506:LYS:H	1.38	0.72
1:A:504:HIS:CD2	1:A:506:LYS:H	2.10	0.69
1:X:377:GLN:NE2	1:X:378:TYR:HD1	1.90	0.69
1:X:504:HIS:CD2	1:X:506:LYS:H	2.11	0.68
1:A:415:GLY:HA3	2:B:5:5CM:O4'	1.97	0.65
1:A:416:TYR:HE2	2:B:5:5CM:H5''	1.62	0.64
1:A:362:GLN:HB2	4:A:13:HOH:O	1.98	0.63
1:X:388:HIS:HD2	1:X:409:SER:OG	1.84	0.60
1:X:504:HIS:CD2	1:X:506:LYS:HB2	2.37	0.59
1:A:388:HIS:HD2	1:A:409:SER:OG	1.86	0.58
1:A:375:GLU:HG2	1:A:487:VAL:HG12	1.85	0.58
1:A:504:HIS:CD2	1:A:506:LYS:HB2	2.40	0.56
1:X:378:TYR:HE2	1:X:380:MET:HB2	1.72	0.54
1:A:409:SER:HB3	1:A:467:ARG:HB2	1.89	0.54
1:X:409:SER:HB3	1:X:467:ARG:HB2	1.91	0.53
1:X:378:TYR:CE2	1:X:380:MET:HB2	2.45	0.51
1:X:504:HIS:HD2	1:X:506:LYS:HB2	1.75	0.51
1:X:442:GLU:N	1:X:443:PRO:CD	2.71	0.51
1:X:451:THR:CG2	1:X:452:GLY:N	2.70	0.51
2:C:9:DG:H1	2:B:2:DC:H42	1.58	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:X:375:GLU:HB3	1:X:484:LYS:HG3	1.93	0.51
1:A:451:THR:CG2	1:A:452:GLY:H	2.12	0.50
1:X:377:GLN:NE2	1:X:378:TYR:CD1	2.77	0.50
1:A:400:ASP:C	1:A:402:GLY:H	2.14	0.50
1:X:392:GLN:O	2:C:5:5CM:H3'	2.12	0.50
1:A:375:GLU:CB	1:A:484:LYS:HG3	2.40	0.49
1:X:504:HIS:HD2	1:X:506:LYS:N	2.09	0.49
1:A:418:ASP:OD2	2:B:5:5CM:N3	2.45	0.49
1:A:504:HIS:HD2	1:A:506:LYS:N	2.09	0.49
1:X:397:TYR:HB2	1:X:406:VAL:O	2.13	0.48
1:X:451:THR:CG2	1:X:452:GLY:H	2.08	0.48
1:A:397:TYR:HB2	1:A:406:VAL:O	2.15	0.47
1:A:504:HIS:HD2	1:A:506:LYS:HB2	1.78	0.46
1:A:516:ILE:HA	1:A:517:PRO:HD3	1.82	0.46
1:X:377:GLN:NE2	1:X:378:TYR:HB3	2.31	0.45
1:X:460:ILE:HD13	1:X:496:GLU:HA	1.99	0.45
1:A:379:ARG:HG3	2:B:6:DG:H4'	1.98	0.45
1:X:362:GLN:OE1	1:X:362:GLN:HA	2.18	0.43
1:A:460:ILE:HD13	1:A:496:GLU:HA	2.00	0.42
1:X:516:ILE:HA	1:X:517:PRO:HD3	1.84	0.42
1:X:390:PRO:HD3	1:X:396:ASP:CG	2.40	0.42
1:X:445:LYS:HA	1:X:506:LYS:HG3	2.00	0.42
1:X:484:LYS:HD2	1:X:484:LYS:HA	1.84	0.42
1:X:443:PRO:HA	1:X:444:PRO:HD3	1.86	0.42
1:A:384:LEU:HD12	1:A:384:LEU:HA	1.85	0.41
2:C:9:DG:H1	2:B:2:DC:N4	2.18	0.41
1:X:495:GLU:OE1	1:X:512:LYS:HE2	2.20	0.41
1:A:443:PRO:HA	1:A:444:PRO:HD3	1.85	0.41
1:A:362:GLN:HA	1:A:362:GLN:OE1	2.20	0.41
1:A:379:ARG:NH1	2:B:6:DG:H5''	2.35	0.41
1:A:445:LYS:HA	1:A:506:LYS:HG3	2.03	0.40
1:A:429:THR:O	2:B:5:5CM:N4	2.46	0.40
1:A:390:PRO:HD3	1:A:396:ASP:CG	2.41	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	138/167 (83%)	129 (94%)	8 (6%)	1 (1%)	25	39
1	X	141/167 (84%)	129 (92%)	11 (8%)	1 (1%)	25	39
All	All	279/334 (84%)	258 (92%)	19 (7%)	2 (1%)	25	39

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	X	421	ASP
1	A	401	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	119/144 (83%)	116 (98%)	3 (2%)	53	73
1	X	123/144 (85%)	118 (96%)	5 (4%)	35	54
All	All	242/288 (84%)	234 (97%)	8 (3%)	43	63

All (8) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	X	362	GLN
1	X	377	GLN
1	X	384	LEU
1	X	457	LYS

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Mol	Chain	Res	Type
1	X	472	ILE
1	A	362	GLN
1	A	384	LEU
1	A	457	LYS

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (6) such sidechains are listed below:

Mol	Chain	Res	Type
1	X	377	GLN
1	X	388	HIS
1	X	504	HIS
1	A	377	GLN
1	A	388	HIS
1	A	504	HIS

### 5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

2 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
2	5CM	B	5	2	14,21,22	5.43	6 (42%)	18,30,33	1.22	2 (11%)
2	5CM	C	5	2	14,21,22	5.22	6 (42%)	18,30,33	1.02	1 (5%)

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
2	5CM	B	5	2	-	0/3/21/22	0/2/2/2
2	5CM	C	5	2	-	0/3/21/22	0/2/2/2

All (12) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	C	5	5CM	O5'-C5'	-3.01	1.40	1.44
2	B	5	5CM	O5'-C5'	-2.85	1.40	1.44
2	C	5	5CM	C4-N4	4.85	1.46	1.34
2	B	5	5CM	C4-N4	5.06	1.47	1.34
2	C	5	5CM	C6-C5	5.78	1.55	1.40
2	B	5	5CM	C6-C5	6.01	1.55	1.40
2	C	5	5CM	C2-N3	8.79	1.55	1.38
2	B	5	5CM	C2-N3	9.21	1.56	1.38
2	C	5	5CM	C5-C4	10.57	1.57	1.41
2	B	5	5CM	C5-C4	10.70	1.57	1.41
2	C	5	5CM	C4-N3	10.93	1.51	1.35
2	B	5	5CM	C4-N3	11.68	1.52	1.35

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	5	5CM	C5-C6-N1	-2.50	119.45	122.15
2	B	5	5CM	C5-C6-N1	-2.11	119.87	122.15
2	B	5	5CM	N4-C4-N3	2.05	120.03	117.00

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

2 monomers are involved in 5 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	B	5	5CM	4	0
2	C	5	5CM	1	0

## 5.5 Carbohydrates

There are no carbohydrates in this entry.

## 5.6 Ligand geometry

Of 1 ligands modelled in this entry, 1 is monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

## 5.7 Other polymers

There are no such residues in this entry.

## 5.8 Polymer linkage issues

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, 95<sup>th</sup> 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 <sup>2</sup> )	Q<0.9
1	A	144/167 (86%)	0.75	21 (14%) 3 2	33, 50, 85, 115	0
1	X	147/167 (88%)	0.38	2 (1%) 75 74	27, 46, 84, 114	0
2	B	10/11 (90%)	0.08	0 100 100	31, 43, 111, 112	0
2	C	9/11 (81%)	-0.16	0 100 100	35, 40, 81, 104	0
All	All	310/356 (87%)	0.53	23 (7%) 15 13	27, 48, 89, 115	0

All (23) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	370	VAL	5.4
1	A	363	ILE	4.6
1	A	385	LEU	4.5
1	A	387	ILE	4.4
1	A	362	GLN	4.4
1	A	384	LEU	4.2
1	A	389	ARG	3.9
1	A	382	LEU	3.7
1	A	452	GLY	3.4
1	A	397	TYR	3.4
1	A	376	PHE	3.2
1	A	396	ASP	3.1
1	X	377	GLN	3.0
1	A	398	MET	2.9
1	X	421	ASP	2.7
1	A	388	HIS	2.7
1	A	371	GLU	2.5
1	A	367	VAL	2.4
1	A	383	ASN	2.4
1	A	451	THR	2.4
1	A	364	ILE	2.1

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Mol	Chain	Res	Type	RSRZ
1	A	369	GLY	2.0
1	A	386	GLY	2.0

## 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. 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, 95<sup>th</sup> 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 <sup>2</sup> )	Q<0.9
2	5CM	B	5	20/21	0.95	0.17	-	39,45,58,71	0
2	5CM	C	5	20/21	0.98	0.21	-	20,29,40,56	0

## 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, 95<sup>th</sup> 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 <sup>2</sup> )	Q<0.9
3	MG	B	12	1/1	0.88	0.17	-	15,15,15,15	1

## 6.5 Other polymers [i](#)

There are no such residues in this entry.