



# wwPDB X-ray Structure Validation Summary Report ⓘ

Nov 13, 2017 – 05:13 PM EST

PDB ID : 4QYT  
Title : Schizosaccharomyces pombe DJ-1  
Authors : Wilson, M.A.  
Deposited on : unknown  
Resolution : 1.05 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](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

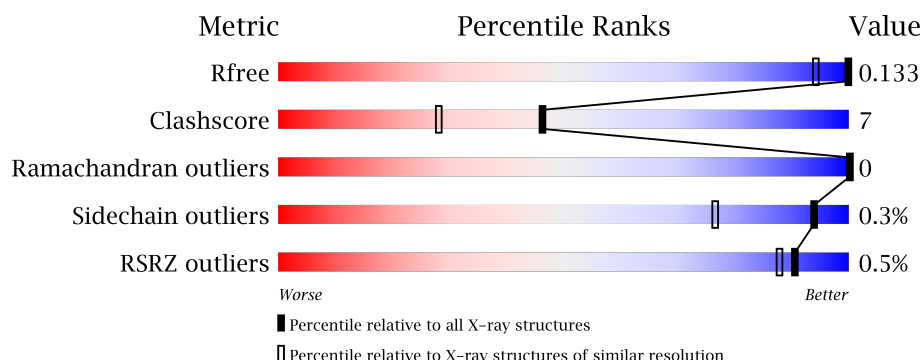
# 1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 1.05 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	1262 (1.12-1.00)
Clashscore	112137	1336 (1.12-1.00)
Ramachandran outliers	110173	1269 (1.12-1.00)
Sidechain outliers	110143	1267 (1.12-1.00)
RSRZ outliers	101464	1268 (1.12-1.00)

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	194	<div> <div>87%</div> <div>11%</div> <div>.</div> </div>
1	B	194	<div>2%</div> <div>79%</div> <div>18%</div> <div>..</div>
1	C	194	<div>89%</div> <div>9%</div> <div>..</div>
1	D	194	<div>%</div> <div>91%</div> <div>7%</div> <div>..</div>

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.

ria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
2	EDO	A	201	-	-	-	X
2	EDO	A	203	-	-	X	X
2	EDO	C	202	-	-	X	-
2	EDO	C	203	-	-	X	X
2	EDO	D	202	-	-	-	X

## 2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 7937 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 Uncharacterized protein C22E12.03c.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	190	Total	C	N	O	S	0	42	0
			1816	1168	298	341	9			
1	B	190	Total	C	N	O	S	0	53	0
			1913	1230	314	360	9			
1	C	190	Total	C	N	O	S	0	15	0
			1613	1039	264	301	9			
1	D	190	Total	C	N	O	S	0	20	0
			1655	1066	272	309	8			

There are 12 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-2	GLY	-	EXPRESSION TAG	UNP Q10356
A	-1	SER	-	EXPRESSION TAG	UNP Q10356
A	0	HIS	-	EXPRESSION TAG	UNP Q10356
B	-2	GLY	-	EXPRESSION TAG	UNP Q10356
B	-1	SER	-	EXPRESSION TAG	UNP Q10356
B	0	HIS	-	EXPRESSION TAG	UNP Q10356
C	-2	GLY	-	EXPRESSION TAG	UNP Q10356
C	-1	SER	-	EXPRESSION TAG	UNP Q10356
C	0	HIS	-	EXPRESSION TAG	UNP Q10356
D	-2	GLY	-	EXPRESSION TAG	UNP Q10356
D	-1	SER	-	EXPRESSION TAG	UNP Q10356
D	0	HIS	-	EXPRESSION TAG	UNP Q10356

- Molecule 2 is 1,2-ETHANEDIOL (three-letter code: EDO) (formula: C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	1	Total C O 4 2 2	0	0
2	A	1	Total C O 4 2 2	0	0
2	A	1	Total C O 4 2 2	0	0
2	C	1	Total C O 4 2 2	0	0
2	C	1	Total C O 4 2 2	0	0
2	C	1	Total C O 4 2 2	0	0
2	D	1	Total C O 4 2 2	0	0
2	D	1	Total C O 4 2 2	0	0

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

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


- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	209	Total 209	O 209	0	0
4	B	193	Total 193	O 193	0	0
4	C	261	Total 261	O 261	0	0
4	D	240	Total 240	O 240	0	0

### 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.

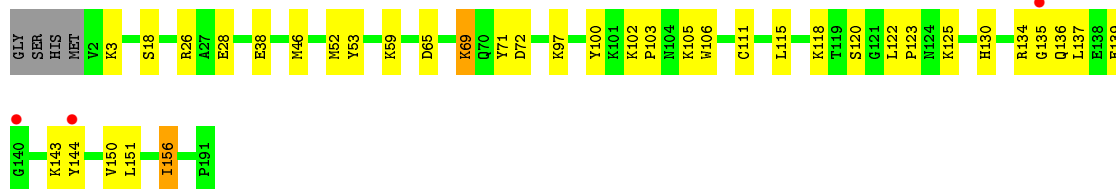
- Molecule 1: Uncharacterized protein C22E12.03c

Chain A: 



- Molecule 1: Uncharacterized protein C22E12.03c

Chain B: 



- Molecule 1: Uncharacterized protein C22E12.03c

Chain C: 



- Molecule 1: Uncharacterized protein C22E12.03c

Chain D: 



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	44.51Å 51.91Å 82.70Å 89.07° 88.98° 66.83°	Depositor
Resolution (Å)	82.69 – 1.05 41.51 – 1.05	Depositor EDS
% Data completeness (in resolution range)	97.0 (82.69-1.05) 96.8 (41.51-1.05)	Depositor EDS
$R_{merge}$	0.07	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.92 (at 1.05Å)	Xtriage
Refinement program	REFMAC 5.8.0073	Depositor
R, $R_{free}$	0.110 , 0.132 0.110 , 0.133	Depositor DCC
$R_{free}$ test set	15600 reflections (5.32%)	DCC
Wilson B-factor (Å <sup>2</sup> )	10.4	Xtriage
Anisotropy	0.248	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.33 , 55.8	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.50$ , $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	0.012 for h,h-k,-l 0.008 for -h,-k,l 0.006 for -h,-h+k,-l	Xtriage
$F_o, F_c$ correlation	0.98	EDS
Total number of atoms	7937	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	16.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.62% 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 [i](#)

### 5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: CSD, MG, EDO

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	0/1847	0.72	0/2493
1	B	0.52	0/1948	0.75	1/2629 (0.0%)
1	C	0.59	0/1640	0.80	2/2211 (0.1%)
1	D	0.59	2/1683 (0.1%)	0.76	0/2269
All	All	0.55	2/7118 (0.0%)	0.76	3/9602 (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	2
1	B	0	4
1	C	0	2
All	All	0	8

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	D	38[A]	GLU	CD-OE2	-5.53	1.19	1.25
1	D	38[B]	GLU	CD-OE2	-5.53	1.19	1.25

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	C	52[A]	MET	CG-SD-CE	-8.49	86.61	100.20
1	C	52[B]	MET	CG-SD-CE	-8.49	86.61	100.20
1	B	26	ARG	NE-CZ-NH2	-5.29	117.66	120.30

There are no chirality outliers.

5 of 8 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	130	HIS	Mainchain
1	A	148[B]	PRO	Mainchain
1	B	103[B]	PRO	Mainchain
1	B	106[B]	TRP	Mainchain
1	B	28	GLU	Sidechain

## 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	1816	0	1838	18	0
1	B	1913	0	1926	33	0
1	C	1613	0	1628	30	0
1	D	1655	0	1672	21	0
2	A	12	0	17	4	0
2	C	12	0	18	12	0
2	D	8	0	12	0	0
3	B	1	0	0	0	0
3	C	3	0	0	0	0
3	D	1	0	0	0	0
4	A	209	0	0	9	1
4	B	193	0	0	6	0
4	C	261	0	0	10	0
4	D	240	0	0	11	1
All	All	7937	0	7111	102	1

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 7.

The worst 5 of 102 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:B:150[A]:VAL:HG13	4:B:469:HOH:O	1.53	1.07
4:C:485:HOH:O	1:D:52[B]:MET:HE1	1.52	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:143[A]:LYS:CE	4:D:506:HOH:O	2.12	0.98
1:D:18[B]:SER:OG	4:D:492:HOH:O	1.79	0.98
1:D:143[A]:LYS:NZ	4:D:506:HOH:O	1.93	0.92

All (1) 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)
4:A:501:HOH:O	4:D:463:HOH:O[1_645]	2.19	0.01

## 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	229/194 (118%)	224 (98%)	5 (2%)	0	100	100
1	B	240/194 (124%)	233 (97%)	7 (3%)	0	100	100
1	C	202/194 (104%)	199 (98%)	3 (2%)	0	100	100
1	D	207/194 (107%)	204 (99%)	3 (1%)	0	100	100
All	All	878/776 (113%)	860 (98%)	18 (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	196/162 (121%)	196 (100%)	0	100	100
1	B	207/162 (128%)	206 (100%)	1 (0%)	91	66
1	C	174/162 (107%)	172 (99%)	2 (1%)	78	43
1	D	179/162 (110%)	179 (100%)	0	100	100
All	All	756/648 (117%)	753 (100%)	3 (0%)	94	75

All (3) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	B	69	LYS
1	C	52[A]	MET
1	C	52[B]	MET

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

### 5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

4 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	CSD	A	111	1	4,7,8	1.42	1 (25%)	2,8,10	1.30	0
1	CSD	B	111	1	4,7,8	0.92	0	2,8,10	1.24	0
1	CSD	C	111	1	4,7,8	0.79	0	2,8,10	1.62	0
1	CSD	D	111	1	4,7,8	0.82	0	2,8,10	1.21	0

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	CSD	A	111	1	-	1/2/6/8	0/0/0/0
1	CSD	B	111	1	-	1/2/6/8	0/0/0/0
1	CSD	C	111	1	-	1/2/6/8	0/0/0/0
1	CSD	D	111	1	-	1/2/6/8	0/0/0/0

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	111	CSD	CA-C	2.46	1.53	1.50

There are no bond angle outliers.

There are no chirality outliers.

All (4) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	B	111	CSD	CA-CB-SG-OD1
1	C	111	CSD	CA-CB-SG-OD1
1	D	111	CSD	CA-CB-SG-OD1
1	A	111	CSD	CA-CB-SG-OD1

There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	B	111	CSD	1	0

## 5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

## 5.6 Ligand geometry [i](#)

Of 13 ligands modelled in this entry, 5 are monoatomic - leaving 8 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	$\# Z  > 2$
2	EDO	A	201	-	3,3,3	0.89	0	2,2,2	0.90	0
2	EDO	A	202	-	3,3,3	0.47	0	2,2,2	0.19	0
2	EDO	A	203	-	3,3,3	0.34	0	2,2,2	1.07	0
2	EDO	C	201	-	3,3,3	0.74	0	2,2,2	0.43	0
2	EDO	C	202	-	3,3,3	0.44	0	2,2,2	1.46	0
2	EDO	C	203	-	3,3,3	0.53	0	2,2,2	1.98	1 (50%)
2	EDO	D	201	-	3,3,3	0.56	0	2,2,2	0.55	0
2	EDO	D	202	-	3,3,3	1.48	1 (33%)	2,2,2	0.61	0

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	EDO	A	201	-	-	0/1/1/1	0/0/0/0
2	EDO	A	202	-	-	0/1/1/1	0/0/0/0
2	EDO	A	203	-	-	0/1/1/1	0/0/0/0
2	EDO	C	201	-	-	0/1/1/1	0/0/0/0
2	EDO	C	202	-	-	0/1/1/1	0/0/0/0
2	EDO	C	203	-	-	0/1/1/1	0/0/0/0
2	EDO	D	201	-	-	0/1/1/1	0/0/0/0
2	EDO	D	202	-	-	0/1/1/1	0/0/0/0

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	D	202	EDO	O2-C2	2.10	1.53	1.42

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	203	EDO	O2-C2-C1	2.76	131.88	112.08

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

3 monomers are involved in 16 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	A	203	EDO	4	0
2	C	202	EDO	8	0
2	C	203	EDO	4	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, 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	189/194 (97%)	-0.42	0 100 100	7, 13, 27, 47	0
1	B	189/194 (97%)	-0.20	3 (1%) 72 66	8, 14, 27, 41	0
1	C	189/194 (97%)	-0.54	0 100 100	6, 11, 22, 42	0
1	D	189/194 (97%)	-0.49	1 (0%) 90 88	6, 11, 21, 33	0
All	All	756/776 (97%)	-0.41	4 (0%) 90 88	6, 12, 26, 47	0

All (4) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	135[A]	GLY	3.8
1	B	140[A]	GLY	3.5
1	D	103[A]	PRO	2.1
1	B	144[A]	TYR	2.1

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

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
1	CSD	D	111	8/9	0.98	0.05	-	9,11,13,13	0
1	CSD	B	111	8/9	0.98	0.06	-	13,14,17,18	0
1	CSD	C	111	8/9	0.98	0.05	-	9,11,13,14	0
1	CSD	A	111	8/9	0.97	0.06	-	15,16,19,20	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
2	EDO	A	203	4/4	0.95	0.14	18.74	22,28,29,34	0
2	EDO	C	203	4/4	0.96	0.10	11.60	16,17,19,41	0
2	EDO	D	202	4/4	0.82	0.14	9.06	25,28,36,90	0
2	EDO	A	201	4/4	0.98	0.09	2.08	14,15,17,19	0
2	EDO	D	201	4/4	0.97	0.08	1.29	14,17,17,18	0
3	MG	D	203	1/1	1.00	0.15	0.66	20,20,20,20	0
2	EDO	C	201	4/4	0.98	0.05	-0.54	12,12,13,15	0
2	EDO	C	202	4/4	0.97	0.06	-1.08	14,17,19,24	0
2	EDO	A	202	4/4	0.97	0.07	-	18,21,27,32	0
3	MG	C	204	1/1	0.99	0.04	-	18,18,18,18	1
3	MG	C	205	1/1	0.99	0.07	-	16,16,16,16	1
3	MG	B	201	1/1	0.98	0.21	-	36,36,36,36	0
3	MG	C	206	1/1	0.98	0.18	-	29,29,29,29	0

### 6.5 Other polymers [i](#)

There are no such residues in this entry.