



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 5, 2026 – 11:10 PM UTC

PDB ID : 4OHC / pdb_00004ohc
Title : Crystal structure of orotate phosphoribosyltransferase (OPRTase) from Burkholderia cenocepacia
Authors : Seattle Structural Genomics Center for Infectious Disease (SSGCID)
Deposited on : 2014-01-17
Resolution : 1.85 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

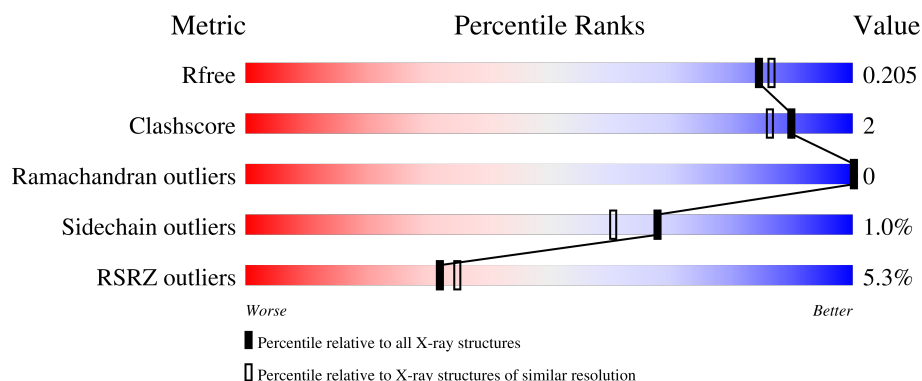
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.85 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	3428 (1.86-1.86)
Clashscore	190562	3579 (1.86-1.86)
Ramachandran outliers	187476	3553 (1.86-1.86)
Sidechain outliers	187428	3553 (1.86-1.86)
RSRZ outliers	180081	3429 (1.86-1.86)

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	236	8% 89% • 6%
1	B	236	3% 89% 5% 6%
1	C	236	6% 90% • 8%
1	D	236	4% 89% 6% 5%
1	E	236	4% 90% • 6%

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Mol	Chain	Length	Quality of chain
1	F	236	4% 89% 6% 5%

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 11660 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 Orotate phosphoribosyltransferase.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	221	Total	C	N	O	S	0	5	0
			1738	1116	299	315	8			
1	B	222	Total	C	N	O	S	0	4	0
			1743	1116	302	317	8			
1	C	218	Total	C	N	O	S	0	3	0
			1684	1077	286	313	8			
1	D	225	Total	C	N	O	S	0	8	0
			1780	1141	302	329	8			
1	E	221	Total	C	N	O	S	0	3	0
			1730	1106	297	319	8			
1	F	225	Total	C	N	O	S	0	3	0
			1754	1122	299	325	8			

There are 48 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-7	MET	-	expression tag	UNP B4E589
A	-6	ALA	-	expression tag	UNP B4E589
A	-5	HIS	-	expression tag	UNP B4E589
A	-4	HIS	-	expression tag	UNP B4E589
A	-3	HIS	-	expression tag	UNP B4E589
A	-2	HIS	-	expression tag	UNP B4E589
A	-1	HIS	-	expression tag	UNP B4E589
A	0	HIS	-	expression tag	UNP B4E589
B	-7	MET	-	expression tag	UNP B4E589
B	-6	ALA	-	expression tag	UNP B4E589
B	-5	HIS	-	expression tag	UNP B4E589
B	-4	HIS	-	expression tag	UNP B4E589
B	-3	HIS	-	expression tag	UNP B4E589
B	-2	HIS	-	expression tag	UNP B4E589
B	-1	HIS	-	expression tag	UNP B4E589
B	0	HIS	-	expression tag	UNP B4E589
C	-7	MET	-	expression tag	UNP B4E589

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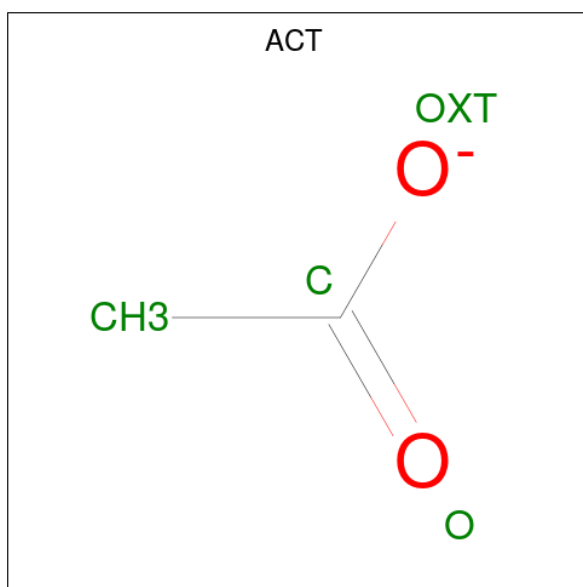
Chain	Residue	Modelled	Actual	Comment	Reference
C	-6	ALA	-	expression tag	UNP B4E589
C	-5	HIS	-	expression tag	UNP B4E589
C	-4	HIS	-	expression tag	UNP B4E589
C	-3	HIS	-	expression tag	UNP B4E589
C	-2	HIS	-	expression tag	UNP B4E589
C	-1	HIS	-	expression tag	UNP B4E589
C	0	HIS	-	expression tag	UNP B4E589
D	-7	MET	-	expression tag	UNP B4E589
D	-6	ALA	-	expression tag	UNP B4E589
D	-5	HIS	-	expression tag	UNP B4E589
D	-4	HIS	-	expression tag	UNP B4E589
D	-3	HIS	-	expression tag	UNP B4E589
D	-2	HIS	-	expression tag	UNP B4E589
D	-1	HIS	-	expression tag	UNP B4E589
D	0	HIS	-	expression tag	UNP B4E589
E	-7	MET	-	expression tag	UNP B4E589
E	-6	ALA	-	expression tag	UNP B4E589
E	-5	HIS	-	expression tag	UNP B4E589
E	-4	HIS	-	expression tag	UNP B4E589
E	-3	HIS	-	expression tag	UNP B4E589
E	-2	HIS	-	expression tag	UNP B4E589
E	-1	HIS	-	expression tag	UNP B4E589
E	0	HIS	-	expression tag	UNP B4E589
F	-7	MET	-	expression tag	UNP B4E589
F	-6	ALA	-	expression tag	UNP B4E589
F	-5	HIS	-	expression tag	UNP B4E589
F	-4	HIS	-	expression tag	UNP B4E589
F	-3	HIS	-	expression tag	UNP B4E589
F	-2	HIS	-	expression tag	UNP B4E589
F	-1	HIS	-	expression tag	UNP B4E589
F	0	HIS	-	expression tag	UNP B4E589

- Molecule 2 is 1,2-ETHANEDIOL (CCD ID: EDO) (formula: C₂H₆O₂).



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

- Molecule 3 is ACETATE ION (CCD ID: ACT) (formula: $C_2H_3O_2$).



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

- Molecule 4 is SODIUM ION (CCD ID: NA) (formula: Na).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	B	1	Total	Na	0	0
			1	1		
4	D	1	Total	Na	0	0
			1	1		
4	E	1	Total	Na	0	0
			1	1		
4	F	1	Total	Na	0	0
			1	1		

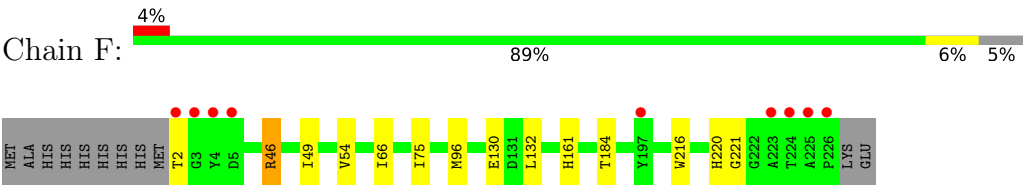
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	188	Total 188	O 188	0	0
5	B	191	Total 191	O 191	0	0
5	C	172	Total 172	O 172	0	0
5	D	219	Total 219	O 219	0	0
5	E	200	Total 200	O 200	0	0
5	F	205	Total 205	O 205	0	0

- Molecule 1: Orotate phosphoribosyltransferase



● Molecule 1: Orotate phosphoribosyltransferase



4 Data and refinement statistics

Property	Value	Source
Space group	P 1	Depositor
Cell constants a, b, c, α , β , γ	76.31Å 82.97Å 83.10Å 105.83° 104.27° 117.36°	Depositor
Resolution (Å)	50.00 – 1.85 50.00 – 1.85	Depositor EDS
% Data completeness (in resolution range)	97.6 (50.00-1.85) 97.6 (50.00-1.85)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.06	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.62 (at 1.86Å)	Xtriage
Refinement program	REFMAC 5.8.0049	Depositor
R, R_{free}	0.156 , 0.197 0.167 , 0.205	Depositor DCC
R_{free} test set	6564 reflections (4.90%)	wwPDB-VP
Wilson B-factor (Å ²)	20.9	Xtriage
Anisotropy	0.059	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 41.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	0.010 for -h,-k,h+k+l	Xtriage
F_o, F_c correlation	0.96	EDS
Total number of atoms	11660	wwPDB-VP
Average B, all atoms (Å ²)	26.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.30% 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: NA, EDO, ACT

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	1.02	1/1794 (0.1%)	0.93	2/2437 (0.1%)
1	B	1.02	0/1795	0.96	0/2435
1	C	0.99	1/1731 (0.1%)	0.93	0/2355
1	D	1.00	0/1846	0.98	0/2509
1	E	1.01	1/1780 (0.1%)	0.95	1/2420 (0.0%)
1	F	0.99	0/1805	0.97	0/2456
All	All	1.01	3/10751 (0.0%)	0.95	3/14612 (0.0%)

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	166	LYS	N-CA	5.82	1.53	1.46
1	E	98	VAL	N-CA	5.25	1.51	1.46
1	C	53	ARG	CA-C	5.09	1.59	1.52

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	98	VAL	N-CA-C	5.54	113.98	107.84
1	A	22	ALA	N-CA-C	-5.16	105.84	111.82
1	E	98	VAL	N-CA-C	5.03	114.48	108.45

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	1738	0	1705	5	0
1	B	1743	0	1718	8	0
1	C	1684	0	1622	2	0
1	D	1780	0	1748	10	0
1	E	1730	0	1676	5	0
1	F	1754	0	1705	9	0
2	A	8	0	12	2	0
2	B	4	0	6	0	0
2	C	4	0	6	0	0
2	D	4	0	6	0	0
2	E	4	0	6	0	0
2	F	4	0	6	1	0
3	A	8	0	6	0	0
3	B	4	0	3	0	0
3	C	4	0	3	0	0
3	D	4	0	3	0	0
3	E	4	0	3	0	0
4	B	1	0	0	0	0
4	D	1	0	0	0	0
4	E	1	0	0	0	0
4	F	1	0	0	0	0
5	A	188	0	0	0	0
5	B	191	0	0	3	0
5	C	172	0	0	0	0
5	D	219	0	0	5	0
5	E	200	0	0	1	0
5	F	205	0	0	3	0
All	All	11660	0	10234	38	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.

The worst 5 of 38 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:A:113:ASN:OD1	2:A:301:EDO:O1	1.92	0.86
1:F:66:ILE:HG21	1:F:96[A]:MET:HE1	1.60	0.82
1:E:42:TYR:OH	5:E:426:HOH:O	2.04	0.67
1:D:66:ILE:HG21	1:D:96[A]:MET:HE2	1.80	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:130:GLU:OE2	5:F:525:HOH:O	2.16	0.61

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	224/236 (95%)	220 (98%)	4 (2%)	0	100	100
1	B	224/236 (95%)	221 (99%)	3 (1%)	0	100	100
1	C	217/236 (92%)	214 (99%)	3 (1%)	0	100	100
1	D	231/236 (98%)	227 (98%)	4 (2%)	0	100	100
1	E	222/236 (94%)	220 (99%)	2 (1%)	0	100	100
1	F	226/236 (96%)	223 (99%)	3 (1%)	0	100	100
All	All	1344/1416 (95%)	1325 (99%)	19 (1%)	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	179/195 (92%)	177 (99%)	2 (1%)	65	57
1	B	180/195 (92%)	178 (99%)	2 (1%)	65	57

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	C	171/195 (88%)	169 (99%)	2 (1%)	63	55
1	D	186/195 (95%)	186 (100%)	0	100	100
1	E	178/195 (91%)	176 (99%)	2 (1%)	65	57
1	F	181/195 (93%)	178 (98%)	3 (2%)	53	42
All	All	1075/1170 (92%)	1064 (99%)	11 (1%)	68	60

5 of 11 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	E	132	LEU
1	F	2	THR
1	F	54	VAL
1	F	46	ARG
1	C	2	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 22 such sidechains are listed below:

Mol	Chain	Res	Type
1	E	7	GLN
1	E	119	HIS
1	E	115	GLN
1	E	141	ASN
1	B	141	ASN

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 oligosaccharides in this entry.

5.6 Ligand geometry

Of 17 ligands modelled in this entry, 4 are monoatomic - leaving 13 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	301	-	3,3,3	0.47	0	2,2,2	0.24	0
3	ACT	A	303	-	3,3,3	0.78	0	3,3,3	1.68	1 (33%)
3	ACT	B	302	-	3,3,3	0.93	0	3,3,3	0.63	0
3	ACT	A	304	-	3,3,3	1.09	0	3,3,3	0.51	0
2	EDO	F	301	-	3,3,3	0.55	0	2,2,2	0.29	0
2	EDO	A	302	-	3,3,3	0.86	0	2,2,2	0.49	0
2	EDO	C	301	-	3,3,3	0.90	0	2,2,2	0.36	0
3	ACT	C	302	-	3,3,3	1.13	0	3,3,3	0.52	0
3	ACT	D	302	-	3,3,3	1.09	0	3,3,3	0.29	0
3	ACT	E	302	-	3,3,3	0.98	0	3,3,3	0.58	0
2	EDO	D	301	-	3,3,3	0.66	0	2,2,2	0.35	0
2	EDO	E	301	-	3,3,3	0.86	0	2,2,2	0.52	0
2	EDO	B	301	-	3,3,3	0.71	0	2,2,2	0.25	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	301	-	-	1/1/1/1	-
2	EDO	F	301	-	-	0/1/1/1	-
2	EDO	A	302	-	-	0/1/1/1	-
2	EDO	C	301	-	-	0/1/1/1	-
2	EDO	D	301	-	-	0/1/1/1	-
2	EDO	E	301	-	-	1/1/1/1	-
2	EDO	B	301	-	-	0/1/1/1	-

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	A	303	ACT	O-C-CH3	-2.28	113.18	122.53

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	A	301	EDO	O1-C1-C2-O2
2	E	301	EDO	O1-C1-C2-O2

There are no ring outliers.

2 monomers are involved in 3 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	A	301	EDO	2	0
2	F	301	EDO	1	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 [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	221/236 (93%)	0.08	20 (9%) 15 15	9, 20, 54, 88	5 (2%)
1	B	222/236 (94%)	-0.10	8 (3%) 46 50	10, 22, 44, 66	4 (1%)
1	C	218/236 (92%)	0.10	15 (6%) 23 25	11, 24, 57, 86	3 (1%)
1	D	225/236 (95%)	-0.09	9 (4%) 42 46	10, 22, 41, 106	8 (3%)
1	E	221/236 (93%)	-0.04	9 (4%) 41 45	10, 22, 48, 94	3 (1%)
1	F	225/236 (95%)	-0.08	9 (4%) 42 46	13, 23, 42, 88	3 (1%)
All	All	1332/1416 (94%)	-0.02	70 (5%) 32 35	9, 22, 51, 106	26 (1%)

The worst 5 of 70 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	D	2	THR	6.2
1	E	2	THR	5.2
1	B	223	ALA	4.9
1	B	2	THR	4.9
1	D	3	GLY	4.8

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 oligosaccharides 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. 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
3	ACT	E	302	4/4	0.74	0.20	40,47,48,48	0
3	ACT	B	302	4/4	0.80	0.17	43,49,52,53	0
3	ACT	C	302	4/4	0.81	0.17	39,42,45,46	0
3	ACT	A	303	4/4	0.82	0.16	37,38,39,42	0
3	ACT	A	304	4/4	0.84	0.17	44,47,49,52	0
3	ACT	D	302	4/4	0.87	0.14	38,39,40,42	0
2	EDO	E	301	4/4	0.89	0.15	27,29,30,32	0
2	EDO	D	301	4/4	0.92	0.17	28,28,32,32	0
2	EDO	A	301	4/4	0.92	0.16	34,35,35,39	0
2	EDO	B	301	4/4	0.93	0.13	23,26,26,29	0
2	EDO	F	301	4/4	0.93	0.16	27,31,32,35	0
2	EDO	A	302	4/4	0.94	0.09	25,27,29,29	0
2	EDO	C	301	4/4	0.95	0.12	24,24,26,29	0
4	NA	E	303	1/1	0.97	0.11	27,27,27,27	0
4	NA	D	303	1/1	0.98	0.08	33,33,33,33	0
4	NA	F	302	1/1	0.98	0.11	30,30,30,30	0
4	NA	B	303	1/1	0.99	0.15	27,27,27,27	0

6.5 Other polymers [i](#)

There are no such residues in this entry.