



# Full wwPDB X-ray Structure Validation Report ⓘ

Aug 29, 2020 – 05:57 PM BST

PDB ID : 6OMI  
Title : Crystal structure of the Legionella effector protein MavL  
Authors : Cygler, M.; Voth, K.  
Deposited on : 2019-04-18  
Resolution : 2.64 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

<https://www.wwpdb.org/validation/2017/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 : 1.8.5 (274361), CSD as541be (2020)  
Xtriage (Phenix) : 1.13  
EDS : 2.13  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
Refmac : 5.8.0158  
CCP4 : 7.0.044 (Gargrove)  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.13

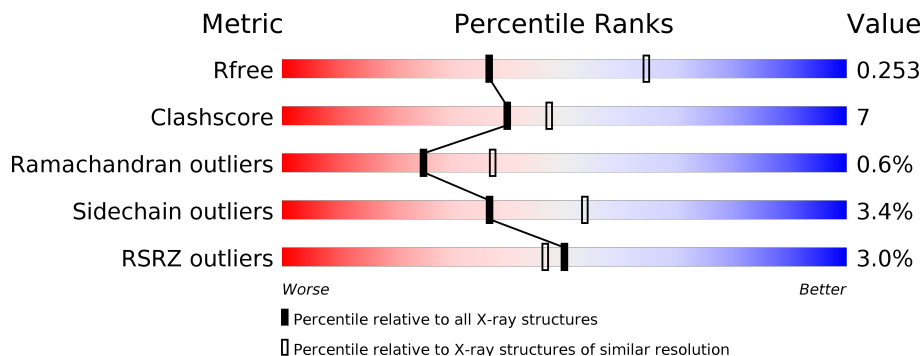
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 2.64 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))
$R_{free}$	130704	1426 (2.66-2.62)
Clashscore	141614	1472 (2.66-2.62)
Ramachandran outliers	138981	1446 (2.66-2.62)
Sidechain outliers	138945	1446 (2.66-2.62)
RSRZ outliers	127900	1408 (2.66-2.62)

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 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	396	<p>3% 73% 17% • 9%</p>
1	B	396	<p>2% 77% 14% • 9%</p>
1	C	396	<p>3% 74% 15% • 9%</p>

## 2 Entry composition i

There are 3 unique types of molecules in this entry. The entry contains 8108 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 MavL.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	N	O	S	Se			
1	A	361	Total 2660	C 1688	N 444	O 519	S 1	Se 8	0	0	0
1	B	362	Total 2739	C 1742	N 459	O 529	S 1	Se 8	0	0	0
1	C	361	Total 2693	C 1707	N 451	O 526	S 1	Se 8	0	0	0

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	40	ASN	-	expression tag	UNP Q5ZSJ1
A	41	ALA	-	expression tag	UNP Q5ZSJ1
B	40	ASN	-	expression tag	UNP Q5ZSJ1
B	41	ALA	-	expression tag	UNP Q5ZSJ1
C	40	ASN	-	expression tag	UNP Q5ZSJ1
C	41	ALA	-	expression tag	UNP Q5ZSJ1

- Molecule 2 is BROMIDE ION (three-letter code: BR) (formula: Br).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	A	1	Total 1	Br 1	0	0
2	C	1	Total 1	Br 1	0	0

- Molecule 3 is water.

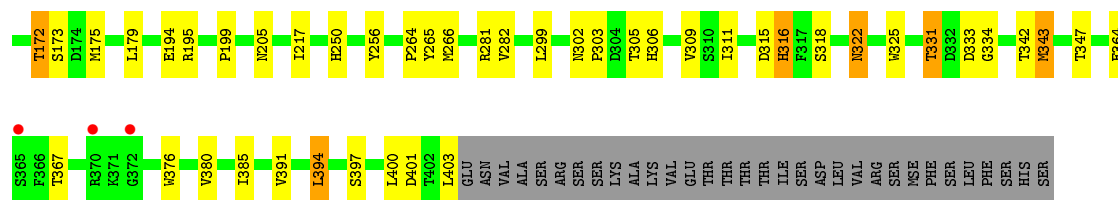
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	3	Total 3	O 3	0	0
3	B	6	Total 6	O 6	0	0

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<b>Mol</b>	<b>Chain</b>	<b>Residues</b>	<b>Atoms</b>		<b>ZeroOcc</b>	<b>AltConf</b>
3	C	5	Total	O	0	0
			5	5		





## 4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	97.62Å 138.01Å 108.52Å 90.00° 92.23° 90.00°	Depositor
Resolution (Å)	45.14 – 2.64 48.77 – 2.64	Depositor EDS
% Data completeness (in resolution range)	99.3 (45.14-2.64) 99.3 (48.77-2.64)	Depositor EDS
$R_{merge}$	0.08	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	1.59 (at 2.65Å)	Xtrriage
Refinement program	PHENIX (1.15.2_3472)	Depositor
R, $R_{free}$	0.211 , 0.253 0.211 , 0.253	Depositor DCC
$R_{free}$ test set	1249 reflections (2.99%)	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	80.0	Xtrriage
Anisotropy	0.403	Xtrriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.29 , 75.4	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.50$ , $\langle L^2 \rangle = 0.33$	Xtrriage
Estimated twinning fraction	0.012 for -h,-k,l	Xtrriage
$F_o, F_c$ correlation	0.95	EDS
Total number of atoms	8108	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	102.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.62% 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

### 5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: BR

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	0.24	0/2720	0.44	0/3703
1	B	0.24	0/2799	0.43	0/3801
1	C	0.24	0/2753	0.44	0/3743
All	All	0.24	0/8272	0.44	0/11247

There are no bond length outliers.

There are no bond angle outliers.

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	2660	0	2392	44	0
1	B	2739	0	2573	31	0
1	C	2693	0	2458	38	0
2	A	1	0	0	1	0
2	C	1	0	0	1	0
3	A	3	0	0	0	0
3	B	6	0	0	0	0
3	C	5	0	0	1	0
All	All	8108	0	7423	113	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 7.

All (113) 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)
2:C:501:BR:BR	3:C:605:HOH:O	2.10	1.22
1:A:359:ARG:NH2	2:A:501:BR:BR	2.55	0.94
1:C:76:GLU:HG3	1:C:99:SER:HA	1.59	0.85
1:A:132:MSE:HE1	1:A:342:THR:HA	1.61	0.82
1:C:364:GLU:HA	1:C:367:THR:HG22	1.62	0.81
1:C:77:LEU:O	1:C:80:GLN:NE2	2.17	0.77
1:B:76:GLU:OE1	1:B:98:GLN:NE2	2.23	0.71
1:C:305:THR:HG23	1:C:306:HIS:HD1	1.57	0.69
1:B:315:ASP:OD2	1:B:322:ASN:ND2	2.27	0.67
1:C:132:MSE:HE1	1:C:342:THR:HA	1.75	0.66
1:B:94:GLN:NE2	1:B:388:ASN:OD1	2.30	0.64
1:A:330:GLN:HG3	1:B:330:GLN:CD	2.19	0.62
1:A:205:ASN:HD21	1:A:255:PRO:HD2	1.62	0.62
1:A:373:MSE:HG2	1:A:374:SER:H	1.66	0.60
1:A:43:TYR:HB3	1:A:132:MSE:HG2	1.83	0.60
1:B:281:ARG:NH1	1:B:299:LEU:O	2.32	0.59
1:B:94:GLN:HB3	1:B:388:ASN:HD21	1.71	0.55
1:C:315:ASP:OD2	1:C:322:ASN:ND2	2.39	0.55
1:B:325:TRP:CE2	1:B:343:MSE:HE3	2.42	0.55
1:C:331:THR:HG22	1:C:334:GLY:H	1.71	0.54
1:B:252:ASP:N	1:B:252:ASP:OD1	2.40	0.54
1:C:347:THR:HA	1:C:385:ILE:HG21	1.89	0.53
1:A:315:ASP:OD1	1:A:318:SER:OG	2.19	0.53
1:A:325:TRP:CE2	1:A:343:MSE:HE3	2.44	0.53
1:C:80:GLN:NE2	1:C:80:GLN:H	2.07	0.52
1:A:202:ILE:HD11	1:A:394:LEU:HD11	1.90	0.52
1:A:328:ALA:HB1	1:A:330:GLN:HG2	1.92	0.52
1:C:57:GLN:O	1:C:61:ASN:ND2	2.28	0.52
1:C:325:TRP:CE2	1:C:343:MSE:HE3	2.46	0.51
1:C:132:MSE:HE2	1:C:134:VAL:HG12	1.92	0.51
1:C:281:ARG:NH1	1:C:299:LEU:O	2.34	0.50
1:A:205:ASN:ND2	1:A:255:PRO:HD2	2.25	0.50
1:B:45:LEU:HD23	1:B:130:VAL:HB	1.94	0.50
1:A:112:HIS:ND1	1:A:122:GLU:OE2	2.44	0.50
1:C:302:ASN:OD1	1:C:305:THR:HG22	2.12	0.50
1:A:76:GLU:HG3	1:A:99:SER:HA	1.94	0.50
1:B:126:GLY:O	1:B:161:PRO:HG2	2.12	0.50
1:A:284:PRO:HB2	1:A:287:VAL:HG22	1.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:202:ILE:HG12	1:A:394:LEU:HD21	1.93	0.50
1:C:217:ILE:HG12	1:C:309:VAL:HG13	1.94	0.50
1:A:373:MSE:HG2	1:A:374:SER:N	2.25	0.49
1:C:158:ALA:HB3	1:C:311:ILE:HD13	1.94	0.49
1:A:260:ILE:HG13	1:A:260:ILE:O	2.12	0.49
1:C:134:VAL:HG21	1:C:157:LEU:HG	1.95	0.49
1:C:45:LEU:HB2	1:C:391:VAL:HG22	1.93	0.49
1:B:217:ILE:HG12	1:B:309:VAL:HG13	1.94	0.49
1:C:126:GLY:O	1:C:161:PRO:HG2	2.13	0.49
1:C:74:LEU:HA	1:C:77:LEU:HD12	1.95	0.49
1:A:105:PHE:HB2	1:A:109:GLN:HG3	1.94	0.49
1:B:305:THR:HG23	1:B:306:HIS:ND1	2.28	0.49
1:A:302:ASN:OD1	1:A:305:THR:HG22	2.13	0.48
1:C:331:THR:HG23	1:C:333:ASP:H	1.79	0.48
1:C:305:THR:HG23	1:C:306:HIS:ND1	2.27	0.48
1:C:265:TYR:HD2	1:C:266:MSE:HG2	1.78	0.47
1:A:241:ASN:O	1:A:244:ILE:HG13	2.14	0.47
1:C:302:ASN:HB2	1:C:303:PRO:HD2	1.97	0.47
1:A:215:ALA:HB3	1:A:257:ILE:HG22	1.96	0.47
1:A:59:LYS:O	1:A:63:GLU:HG2	2.14	0.47
1:A:305:THR:HG23	1:A:306:HIS:ND1	2.30	0.47
1:A:394:LEU:HD12	1:A:399:LYS:HB3	1.96	0.47
1:C:199:PRO:HG3	1:C:394:LEU:HD22	1.97	0.47
1:A:264:PRO:O	1:A:266:MSE:N	2.46	0.47
1:A:107:GLU:N	1:A:107:GLU:OE1	2.46	0.46
1:A:263:ASP:OD2	1:A:285:SER:OG	2.30	0.46
1:B:127:ASP:OD2	1:B:195:ARG:NE	2.43	0.46
1:B:263:ASP:OD2	1:B:285:SER:OG	2.32	0.45
1:A:310:SER:OG	1:A:336:LYS:HE2	2.17	0.45
1:C:127:ASP:OD2	1:C:195:ARG:NE	2.43	0.45
1:B:378:ASP:OD1	1:B:381:ARG:NH2	2.46	0.45
1:B:264:PRO:O	1:B:266:MSE:N	2.46	0.45
1:B:259:ILE:HD12	1:B:301:SER:HB3	1.99	0.45
1:B:289:ARG:HA	1:B:289:ARG:HD2	1.82	0.44
1:A:134:VAL:HG21	1:A:157:LEU:HG	2.00	0.44
1:A:156:TYR:HB2	1:A:309:VAL:HG12	1.98	0.44
1:A:48:SER:OG	1:A:51:THR:HG23	2.17	0.44
1:B:94:GLN:HB3	1:B:388:ASN:ND2	2.33	0.44
1:A:254:LEU:HB3	1:A:257:ILE:HG12	2.00	0.43
1:B:395:ASP:OD1	1:B:397:SER:N	2.51	0.43
1:B:158:ALA:HB3	1:B:311:ILE:HD13	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:59:LYS:NZ	1:B:63:GLU:OE1	2.52	0.43
1:C:172:THR:OG1	1:C:173:SER:N	2.52	0.43
1:A:219:ILE:HD12	1:A:260:ILE:HD12	2.01	0.43
1:B:48:SER:OG	1:B:51:THR:HG23	2.19	0.43
1:C:175:MSE:O	1:C:179:LEU:HB2	2.18	0.43
1:C:264:PRO:O	1:C:266:MSE:N	2.51	0.42
1:A:302:ASN:HB2	1:A:303:PRO:HD2	2.00	0.42
1:B:177:GLU:O	1:B:188:LYS:HD3	2.20	0.42
1:B:205:ASN:OD1	1:B:256:TYR:HB2	2.19	0.42
1:B:400:LEU:HB3	1:B:401:ASP:H	1.67	0.42
1:B:258:ASP:HB3	1:B:306:HIS:HE2	1.83	0.42
1:A:160:VAL:HG21	1:A:197:LEU:HD23	2.01	0.42
1:A:199:PRO:O	1:A:202:ILE:HG13	2.20	0.41
1:C:194:GLU:OE2	1:C:250:HIS:NE2	2.42	0.41
1:B:165:LEU:HB2	1:B:228:SER:HA	2.02	0.41
1:A:194:GLU:OE1	1:A:250:HIS:NE2	2.53	0.41
1:A:329:ARG:HD2	1:A:359:ARG:HG2	2.02	0.41
1:A:343:MSE:HG2	1:A:376:TRP:CG	2.56	0.41
1:C:400:LEU:HB3	1:C:401:ASP:H	1.67	0.41
1:C:343:MSE:HG2	1:C:376:TRP:CG	2.55	0.41
1:A:215:ALA:HB3	1:A:257:ILE:HA	2.02	0.41
1:A:45:LEU:HD23	1:A:130:VAL:HB	2.02	0.41
1:B:248:GLU:HG2	1:B:275:ILE:HG23	2.03	0.41
1:C:205:ASN:OD1	1:C:256:TYR:HB2	2.20	0.41
1:B:180:ASP:OD1	1:B:188:LYS:NZ	2.49	0.41
1:C:217:ILE:HA	1:C:309:VAL:O	2.21	0.41
1:C:380:VAL:HG22	1:C:385:ILE:HB	2.02	0.41
1:C:105:PHE:HB2	1:C:109:GLN:HG3	2.03	0.41
1:A:400:LEU:HA	1:A:400:LEU:HD23	1.82	0.41
1:B:117:TRP:CH2	1:B:317:PHE:HB3	2.55	0.41
1:A:132:MSE:HE2	1:A:132:MSE:HB2	1.86	0.40
1:C:107:GLU:OE1	1:C:107:GLU:N	2.54	0.40
1:C:100:LYS:NZ	1:C:316:HIS:O	2.46	0.40
1:A:100:LYS:HD2	1:A:125:LEU:HD22	2.03	0.40

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	357/396 (90%)	323 (90%)	32 (9%)	2 (1%)	25	37
1	B	358/396 (90%)	325 (91%)	31 (9%)	2 (1%)	25	37
1	C	357/396 (90%)	326 (91%)	29 (8%)	2 (1%)	25	37
All	All	1072/1188 (90%)	974 (91%)	92 (9%)	6 (1%)	25	37

All (6) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	322	ASN
1	B	322	ASN
1	B	397	SER
1	A	397	SER
1	C	322	ASN
1	C	397	SER

### 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	256/329 (78%)	249 (97%)	7 (3%)	44	63
1	B	280/329 (85%)	273 (98%)	7 (2%)	47	66
1	C	266/329 (81%)	253 (95%)	13 (5%)	25	39
All	All	802/987 (81%)	775 (97%)	27 (3%)	37	53

All (27) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	115	THR
1	A	116	ASP
1	A	142	HIS
1	A	224	THR
1	A	260	ILE
1	A	316	HIS
1	A	343	MSE
1	B	91	THR
1	B	116	ASP
1	B	224	THR
1	B	309	VAL
1	B	316	HIS
1	B	343	MSE
1	B	394	LEU
1	C	48	SER
1	C	80	GLN
1	C	81	GLU
1	C	116	ASP
1	C	142	HIS
1	C	172	THR
1	C	282	VAL
1	C	316	HIS
1	C	318	SER
1	C	331	THR
1	C	343	MSE
1	C	394	LEU
1	C	403	LEU

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (4) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	330	GLN
1	B	94	GLN
1	B	388	ASN
1	C	131	ASN

### 5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

## 5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

## 5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

## 5.6 Ligand geometry [i](#)

Of 2 ligands modelled in this entry, 2 are 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 [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, 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	353/396 (89%)	0.15	10 (2%) 53 49	66, 102, 146, 186	0
1	B	354/396 (89%)	0.07	9 (2%) 57 53	59, 90, 131, 178	0
1	C	353/396 (89%)	0.15	13 (3%) 41 38	62, 103, 167, 203	0
All	All	1060/1188 (89%)	0.12	32 (3%) 50 46	59, 98, 151, 203	0

All (32) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	365	SER	4.7
1	A	226	CYS	4.7
1	B	227	PHE	4.3
1	A	56	LEU	3.9
1	B	226	CYS	3.9
1	A	366	PHE	3.8
1	C	370	ARG	3.6
1	B	40	ASN	3.6
1	C	95	LEU	3.4
1	B	275	ILE	3.3
1	A	370	ARG	3.2
1	C	40	ASN	3.2
1	C	372	GLY	2.9
1	C	81	GLU	2.9
1	A	280	PHE	2.9
1	B	56	LEU	2.8
1	C	55	ILE	2.8
1	B	67	ALA	2.7
1	A	259	ILE	2.6
1	A	66	LEU	2.6
1	C	54	LYS	2.5
1	C	66	LEU	2.5
1	C	93	THR	2.4

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Mol	Chain	Res	Type	RSRZ
1	C	60	GLN	2.3
1	C	365	SER	2.3
1	C	67	ALA	2.3
1	C	125	LEU	2.2
1	B	124	ILE	2.2
1	A	62	LEU	2.1
1	B	369	ASP	2.1
1	A	52	LEU	2.1
1	B	62	LEU	2.0

## 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 monosaccharides 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, 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	B-factors(Å <sup>2</sup> )	Q<0.9
2	BR	C	501	1/1	0.92	0.20	100,100,100,100	1
2	BR	A	501	1/1	0.97	0.20	108,108,108,108	0

## 6.5 Other polymers [i](#)

There are no such residues in this entry.