



Full wwPDB X-ray Structure Validation Report ⓘ

Jun 23, 2024 – 04:01 AM EDT

PDB ID : 5NLV
Title : Brag2 Sec7-PH (390-763)
Authors : Nawrotek, A.; Cherfils, J.
Deposited on : 2017-04-05
Resolution : 2.40 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

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 : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtrriage (Phenix) : 1.13
EDS : 2.37.1
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) : 2.37.1

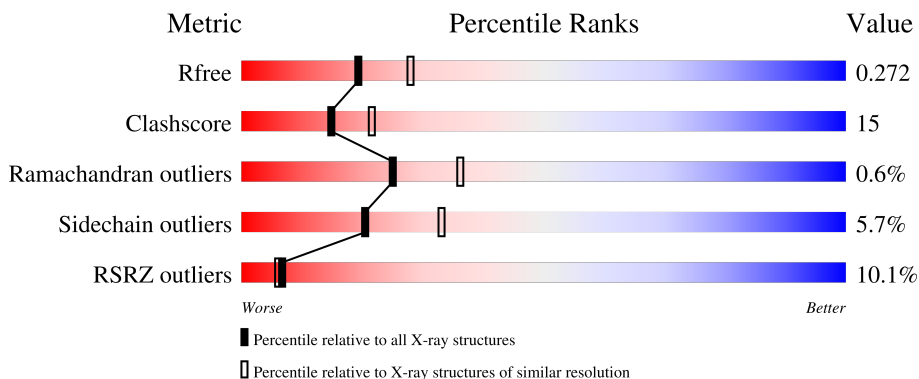
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.40 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	3907 (2.40-2.40)
Clashscore	141614	4398 (2.40-2.40)
Ramachandran outliers	138981	4318 (2.40-2.40)
Sidechain outliers	138945	4319 (2.40-2.40)
RSRZ outliers	127900	3811 (2.40-2.40)

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	405	

2 Entry composition [i](#)

There are 2 unique types of molecules in this entry. The entry contains 2977 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 IQ motif and SEC7 domain-containing protein 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	347	2889	1842	519	511	17	0	2	0

There are 31 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	359	MET	-	initiating methionine	UNP Q6DN90
A	360	SER	-	expression tag	UNP Q6DN90
A	361	TYR	-	expression tag	UNP Q6DN90
A	362	TYR	-	expression tag	UNP Q6DN90
A	363	HIS	-	expression tag	UNP Q6DN90
A	364	HIS	-	expression tag	UNP Q6DN90
A	365	HIS	-	expression tag	UNP Q6DN90
A	366	HIS	-	expression tag	UNP Q6DN90
A	367	HIS	-	expression tag	UNP Q6DN90
A	368	HIS	-	expression tag	UNP Q6DN90
A	369	ASP	-	expression tag	UNP Q6DN90
A	370	TYR	-	expression tag	UNP Q6DN90
A	371	ASP	-	expression tag	UNP Q6DN90
A	372	ILE	-	expression tag	UNP Q6DN90
A	373	PRO	-	expression tag	UNP Q6DN90
A	374	THR	-	expression tag	UNP Q6DN90
A	375	THR	-	expression tag	UNP Q6DN90
A	376	GLU	-	expression tag	UNP Q6DN90
A	377	ASN	-	expression tag	UNP Q6DN90
A	378	LEU	-	expression tag	UNP Q6DN90
A	379	TYR	-	expression tag	UNP Q6DN90
A	380	PHE	-	expression tag	UNP Q6DN90
A	381	GLN	-	expression tag	UNP Q6DN90
A	382	GLY	-	expression tag	UNP Q6DN90
A	383	ALA	-	expression tag	UNP Q6DN90
A	384	MET	-	expression tag	UNP Q6DN90
A	385	GLY	-	expression tag	UNP Q6DN90

Continued on next page...

Continued from previous page...

Chain	Residue	Modelled	Actual	Comment	Reference
A	386	ALA	-	expression tag	UNP Q6DN90
A	387	ILE	-	expression tag	UNP Q6DN90
A	388	PRO	-	expression tag	UNP Q6DN90
A	389	MET	-	expression tag	UNP Q6DN90

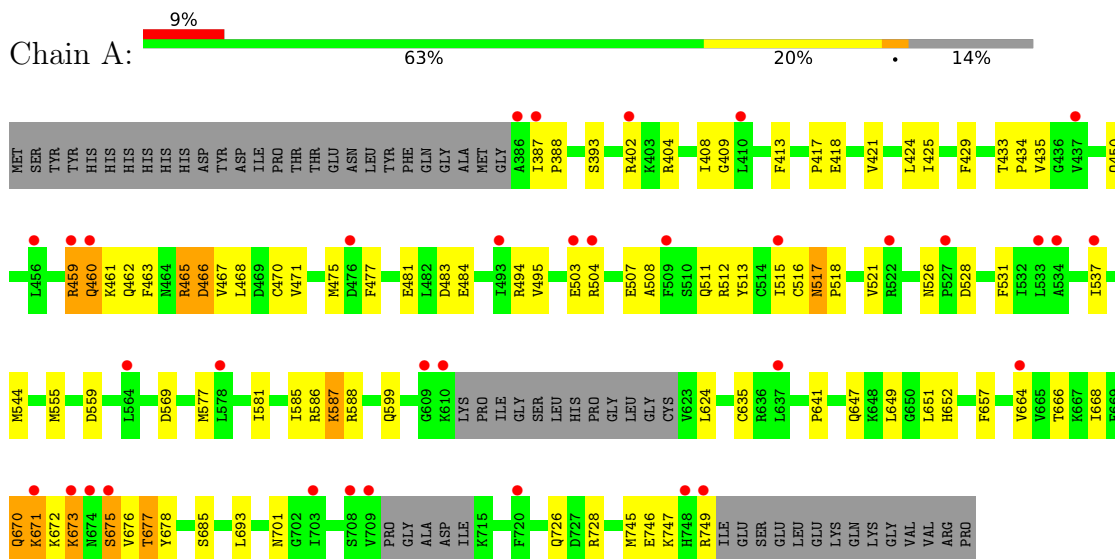
- Molecule 2 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	88	Total O 88 88	0	0

3 Residue-property plots

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: IQ motif and SEC7 domain-containing protein 1



4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	114.43Å 57.56Å 75.26Å 90.00° 97.70° 90.00°	Depositor
Resolution (Å)	18.92 – 2.40 18.92 – 2.40	Depositor EDS
% Data completeness (in resolution range)	98.7 (18.92-2.40) 98.7 (18.92-2.40)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.07	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.34 (at 2.41Å)	Xtrriage
Refinement program	BUSTER 2.10.2	Depositor
R, R_{free}	0.240 , 0.259 0.245 , 0.272	Depositor DCC
R_{free} test set	939 reflections (4.97%)	wwPDB-VP
Wilson B-factor (Å ²)	66.4	Xtrriage
Anisotropy	0.640	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.31 , 63.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	2977	wwPDB-VP
Average B, all atoms (Å ²)	90.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 8.46% 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: CME

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	0.44	3/2928 (0.1%)	0.63	3/3929 (0.1%)

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	504	ARG	CG-CD	-7.17	1.34	1.51
1	A	504	ARG	NE-CZ	-5.36	1.26	1.33
1	A	504	ARG	CZ-NH2	5.01	1.39	1.33

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	504	ARG	CA-CB-CG	-8.36	95.01	113.40
1	A	677	THR	N-CA-CB	6.24	122.16	110.30
1	A	504	ARG	NE-CZ-NH2	-5.09	117.76	120.30

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	2889	0	2951	89	0
2	A	88	0	0	1	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
All	All	2977	0	2951	89	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 15.

All (89) 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:518:PRO:O	1:A:521:VAL:HG12	1.40	1.19
1:A:675:SER:O	1:A:676:VAL:HG23	1.51	1.09
1:A:434:PRO:HG3	1:A:463:PHE:HE1	1.33	0.94
1:A:434:PRO:CG	1:A:463:PHE:HE1	1.85	0.90
1:A:675:SER:O	1:A:676:VAL:CG2	2.27	0.82
1:A:434:PRO:HG3	1:A:463:PHE:CE1	2.16	0.79
1:A:468:LEU:HD11	1:A:508:ALA:CB	2.15	0.76
1:A:693:LEU:HB3	1:A:728:ARG:NH1	2.02	0.74
1:A:461:LYS:N	1:A:461:LYS:HD3	2.03	0.73
1:A:434:PRO:CA	1:A:463:PHE:CE1	2.72	0.72
1:A:434:PRO:HA	1:A:463:PHE:CE1	2.25	0.72
1:A:468:LEU:HD11	1:A:508:ALA:HB1	1.70	0.71
1:A:513:TYR:O	1:A:517:ASN:ND2	2.24	0.71
1:A:641:PRO:HD2	1:A:647:GLN:HE22	1.56	0.70
1:A:462:GLN:O	1:A:466:ASP:OD1	2.10	0.70
1:A:518:PRO:O	1:A:521:VAL:CG1	2.31	0.69
1:A:434:PRO:HA	1:A:463:PHE:CZ	2.27	0.68
1:A:641:PRO:HD2	1:A:647:GLN:NE2	2.10	0.67
1:A:462:GLN:HG3	1:A:466:ASP:OD1	1.93	0.67
1:A:747:LYS:HE2	1:A:749:ARG:HE	1.62	0.64
1:A:387:ILE:HD12	1:A:388:PRO:HD2	1.80	0.63
1:A:537:ILE:HG23	1:A:585:ILE:HD11	1.80	0.63
1:A:433:THR:C	1:A:463:PHE:HZ	2.03	0.62
1:A:673:LYS:HD2	1:A:673:LYS:O	2.00	0.62
1:A:657:PHE:HB2	1:A:664:VAL:HG22	1.83	0.61
1:A:421:VAL:O	1:A:425:ILE:HD12	2.02	0.59
1:A:495:VAL:HG12	1:A:495:VAL:O	2.02	0.59
1:A:503:GLU:HG3	1:A:531:PHE:HZ	1.69	0.57
1:A:434:PRO:CA	1:A:463:PHE:CZ	2.89	0.55
1:A:468:LEU:C	1:A:468:LEU:HD13	2.27	0.55
1:A:468:LEU:CD1	1:A:508:ALA:HB1	2.35	0.55
1:A:507:GLU:O	1:A:511:GLN:HG3	2.07	0.55
1:A:670:GLN:HG2	1:A:677:THR:H	1.71	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:435:VAL:HG12	1:A:470:CYS:SG	2.48	0.54
1:A:468:LEU:HA	1:A:471:VAL:HG22	1.90	0.54
1:A:477:PHE:O	1:A:516:CYS:HB3	2.09	0.52
1:A:666:THR:HB	1:A:678:TYR:HB3	1.91	0.52
1:A:671:LYS:N	1:A:671:LYS:CD	2.73	0.52
1:A:587:LYS:O	1:A:587:LYS:HD3	2.10	0.52
1:A:459:ARG:HD3	1:A:459:ARG:C	2.30	0.51
1:A:675:SER:C	1:A:676:VAL:HG23	2.27	0.50
1:A:461:LYS:N	1:A:461:LYS:CD	2.73	0.50
1:A:503:GLU:HG3	1:A:531:PHE:CZ	2.47	0.50
1:A:450:GLN:HB2	1:A:494:ARG:NH2	2.27	0.49
1:A:434:PRO:CB	1:A:463:PHE:HE1	2.24	0.49
1:A:409:GLY:HA3	1:A:424:LEU:HD21	1.93	0.49
1:A:434:PRO:N	1:A:463:PHE:CZ	2.80	0.49
1:A:424:LEU:HB3	1:A:429:PHE:HB2	1.95	0.49
1:A:460:GLN:NE2	1:A:460:GLN:N	2.60	0.49
1:A:404:ARG:O	1:A:408:ILE:HG13	2.12	0.49
1:A:460:GLN:NE2	1:A:460:GLN:H	2.11	0.48
1:A:434:PRO:CG	1:A:463:PHE:CE1	2.77	0.48
1:A:475:MET:HB2	1:A:475:MET:HE2	1.63	0.48
1:A:402:ARG:NH1	2:A:802:HOH:O	2.48	0.47
1:A:518:PRO:C	1:A:521:VAL:HG12	2.27	0.47
1:A:747:LYS:HD2	1:A:749:ARG:HH21	1.79	0.47
1:A:701:ASN:HB3	1:A:728:ARG:HD2	1.96	0.47
1:A:745:MET:O	1:A:747:LYS:HG2	2.15	0.47
1:A:434:PRO:N	1:A:463:PHE:CE1	2.83	0.46
1:A:463:PHE:O	1:A:467:VAL:HG23	2.15	0.46
1:A:408:ILE:HG23	1:A:745:MET:HG2	1.96	0.46
1:A:460:GLN:HB2	1:A:461:LYS:HE2	1.98	0.46
1:A:555:MET:HG3	1:A:559:ASP:HB2	1.98	0.46
1:A:666:THR:CB	1:A:678:TYR:HB3	2.45	0.45
1:A:668:ILE:HG23	1:A:676:VAL:CG1	2.47	0.45
1:A:459:ARG:C	1:A:459:ARG:CD	2.85	0.45
1:A:413:PHE:CE2	1:A:417:PRO:HB3	2.52	0.45
1:A:544:MET:SD	1:A:586:ARG:HA	2.56	0.45
1:A:461:LYS:O	1:A:465:ARG:HG3	2.16	0.44
1:A:434:PRO:CD	1:A:463:PHE:HE1	2.31	0.44
1:A:468:LEU:CD1	1:A:508:ALA:CB	2.90	0.44
1:A:512:ARG:HD2	1:A:512:ARG:HA	1.81	0.43
1:A:649:LEU:H	1:A:649:LEU:HD23	1.83	0.43
1:A:670:GLN:C	1:A:671:LYS:CD	2.87	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:526:ASN:ND2	1:A:528:ASP:HB3	2.33	0.43
1:A:577:MET:O	1:A:581:ILE:HG13	2.18	0.43
1:A:511:GLN:O	1:A:515:ILE:HG13	2.19	0.42
1:A:745:MET:O	1:A:747:LYS:N	2.52	0.42
1:A:517:ASN:ND2	1:A:517:ASN:N	2.66	0.42
1:A:434:PRO:CB	1:A:463:PHE:CE1	3.00	0.42
1:A:675:SER:HB2	1:A:676:VAL:H	1.77	0.42
1:A:481:GLU:N	1:A:484:GLU:OE2	2.41	0.42
1:A:460:GLN:N	1:A:460:GLN:CD	2.73	0.42
1:A:670:GLN:C	1:A:671:LYS:HD2	2.40	0.42
1:A:651:LEU:HD23	1:A:652:HIS:N	2.35	0.41
1:A:459:ARG:HD3	1:A:459:ARG:O	2.19	0.41
1:A:433:THR:C	1:A:463:PHE:CZ	2.91	0.41
1:A:483:ASP:HB3	1:A:537:ILE:HD13	2.03	0.40
1:A:468:LEU:HD11	1:A:508:ALA:HB3	1.97	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	341/405 (84%)	319 (94%)	20 (6%)	2 (1%)	25 36

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	746	GLU
1	A	672	LYS

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	320/367 (87%)	302 (94%)	18 (6%)	21 34

All (18) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	393	SER
1	A	418	GLU
1	A	459	ARG
1	A	460	GLN
1	A	465	ARG
1	A	466	ASP
1	A	517	ASN
1	A	569	ASP
1	A	587	LYS
1	A	588	ARG
1	A	599	GLN
1	A	624	LEU
1	A	670	GLN
1	A	671	LYS
1	A	673	LYS
1	A	675	SER
1	A	685	SER
1	A	726	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (2) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	460	GLN
1	A	647	GLN

5.3.3 RNA [i](#)

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
1	CME	A	635	1	8,9,10	0.59	0	5,9,11	1.33	1 (20%)
1	CME	A	514	1	8,9,10	0.41	0	5,9,11	1.08	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	CME	A	635	1	-	2/5/8/10	-
1	CME	A	514	1	-	3/5/8/10	-

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed($^{\circ}$)	Ideal($^{\circ}$)
1	A	635	CME	CB-SG-SD	2.42	110.10	103.82

There are no chirality outliers.

All (5) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	A	635	CME	SD-CE-CZ-OH
1	A	514	CME	SD-CE-CZ-OH
1	A	635	CME	N-CA-CB-SG
1	A	514	CME	CZ-CE-SD-SG
1	A	514	CME	CE-SD-SG-CB

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no monosaccharides 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

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, 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	345/405 (85%)	0.65	35 (10%) 7 6	55, 86, 130, 160	0

All (35) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	709	VAL	8.7
1	A	386	ALA	7.4
1	A	674	ASN	7.4
1	A	673	LYS	5.8
1	A	610	LYS	5.4
1	A	460	GLN	5.0
1	A	387	ILE	4.6
1	A	459	ARG	4.4
1	A	749	ARG	4.1
1	A	748	HIS	4.1
1	A	609	GLY	3.9
1	A	708	SER	3.8
1	A	410	LEU	3.3
1	A	504	ARG	3.3
1	A	437	VAL	3.2
1	A	671	LYS	3.2
1	A	503	GLU	3.2
1	A	675	SER	3.2
1	A	720	PHE	3.0
1	A	527	PRO	3.0
1	A	522	ARG	2.8
1	A	564	LEU	2.8
1	A	533	LEU	2.8
1	A	402	ARG	2.6
1	A	537	ILE	2.6
1	A	664	VAL	2.4
1	A	456	LEU	2.3

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	A	509	PHE	2.3
1	A	493	ILE	2.2
1	A	703	ILE	2.2
1	A	534	ALA	2.2
1	A	476	ASP	2.2
1	A	515	ILE	2.1
1	A	578	LEU	2.0
1	A	637	LEU	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. 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	CME	A	514	10/11	0.74	0.21	104,112,114,114	0
1	CME	A	635	10/11	0.80	0.18	69,73,78,78	0

6.3 Carbohydrates [i](#)

There are no monosaccharides 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.