



# wwPDB X-ray Structure Validation Summary Report ⓘ

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PDB ID : 4IC5  
Title : Crystal structure of Deg5  
Authors : Gong, W.; Sun, W.; Fan, H.; Gao, F.; Liu, L.  
Deposited on : 2012-12-10  
Resolution : 2.61 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 (RC4), CSD as536be (2015)  
Xtriage (Phenix) : 1.9-1692  
EDS : rb-20026688  
Percentile statistics : 20151230.v01 (using entries in the PDB archive December 30th 2015)  
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) : trunk26865

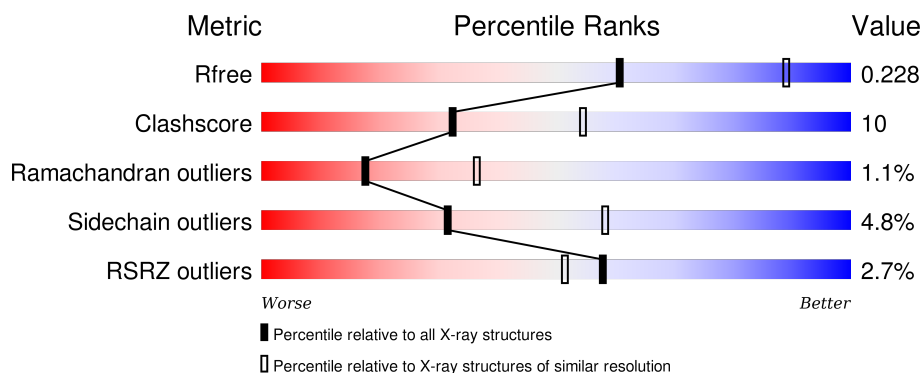
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

## *X-RAY DIFFRACTION*

The reported resolution of this entry is 2.61 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))
$R_{free}$	91344	2328 (2.60-2.60)
Clashscore	102246	2679 (2.60-2.60)
Ramachandran outliers	100387	2635 (2.60-2.60)
Sidechain outliers	100360	2635 (2.60-2.60)
RSRZ outliers	91569	2334 (2.60-2.60)

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	291	<div> <div>2%</div> <div>56%</div> <div>14%</div> <div>•</div> <div>28%</div> </div>
1	B	291	<div> <div>2%</div> <div>57%</div> <div>13%</div> <div>•</div> <div>28%</div> </div>
1	C	291	<div> <div>%</div> <div>56%</div> <div>14%</div> <div>•</div> <div>28%</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:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
2	CA	A	401	-	-	-	X
2	CA	B	401	-	-	-	X

## 2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 4946 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 Protease Do-like 5, chloroplastic.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	210	Total	C	N	O	S	0	3	0
			1609	1015	271	321	2			
1	B	210	Total	C	N	O	S	0	2	0
			1601	1010	268	321	2			
1	C	209	Total	C	N	O	S	0	3	0
			1600	1010	270	318	2			

There are 126 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	50	MET	-	EXPRESSION TAG	UNP Q9SEL7
A	51	GLY	-	EXPRESSION TAG	UNP Q9SEL7
A	52	SER	-	EXPRESSION TAG	UNP Q9SEL7
A	53	SER	-	EXPRESSION TAG	UNP Q9SEL7
A	54	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	55	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	56	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	57	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	58	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	59	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	60	SER	-	EXPRESSION TAG	UNP Q9SEL7
A	61	SER	-	EXPRESSION TAG	UNP Q9SEL7
A	62	GLY	-	EXPRESSION TAG	UNP Q9SEL7
A	63	LEU	-	EXPRESSION TAG	UNP Q9SEL7
A	64	VAL	-	EXPRESSION TAG	UNP Q9SEL7
A	65	PRO	-	EXPRESSION TAG	UNP Q9SEL7
A	66	ARG	-	EXPRESSION TAG	UNP Q9SEL7
A	67	GLY	-	EXPRESSION TAG	UNP Q9SEL7
A	68	SER	-	EXPRESSION TAG	UNP Q9SEL7
A	69	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	70	MET	-	EXPRESSION TAG	UNP Q9SEL7
A	71	ALA	-	EXPRESSION TAG	UNP Q9SEL7
A	72	SER	-	EXPRESSION TAG	UNP Q9SEL7

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Chain	Residue	Modelled	Actual	Comment	Reference
A	266	ALA	SER	ENGINEERED MUTATION	UNP Q9SEL7
A	323	LEU	-	EXPRESSION TAG	UNP Q9SEL7
A	324	SER	-	EXPRESSION TAG	UNP Q9SEL7
A	325	SER	-	EXPRESSION TAG	UNP Q9SEL7
A	326	VAL	-	EXPRESSION TAG	UNP Q9SEL7
A	327	ASP	-	EXPRESSION TAG	UNP Q9SEL7
A	328	LYS	-	EXPRESSION TAG	UNP Q9SEL7
A	329	LEU	-	EXPRESSION TAG	UNP Q9SEL7
A	330	ALA	-	EXPRESSION TAG	UNP Q9SEL7
A	331	ALA	-	EXPRESSION TAG	UNP Q9SEL7
A	332	ALA	-	EXPRESSION TAG	UNP Q9SEL7
A	333	LEU	-	EXPRESSION TAG	UNP Q9SEL7
A	334	GLU	-	EXPRESSION TAG	UNP Q9SEL7
A	335	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	336	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	337	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	338	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	339	HIS	-	EXPRESSION TAG	UNP Q9SEL7
A	340	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	50	MET	-	EXPRESSION TAG	UNP Q9SEL7
B	51	GLY	-	EXPRESSION TAG	UNP Q9SEL7
B	52	SER	-	EXPRESSION TAG	UNP Q9SEL7
B	53	SER	-	EXPRESSION TAG	UNP Q9SEL7
B	54	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	55	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	56	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	57	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	58	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	59	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	60	SER	-	EXPRESSION TAG	UNP Q9SEL7
B	61	SER	-	EXPRESSION TAG	UNP Q9SEL7
B	62	GLY	-	EXPRESSION TAG	UNP Q9SEL7
B	63	LEU	-	EXPRESSION TAG	UNP Q9SEL7
B	64	VAL	-	EXPRESSION TAG	UNP Q9SEL7
B	65	PRO	-	EXPRESSION TAG	UNP Q9SEL7
B	66	ARG	-	EXPRESSION TAG	UNP Q9SEL7
B	67	GLY	-	EXPRESSION TAG	UNP Q9SEL7
B	68	SER	-	EXPRESSION TAG	UNP Q9SEL7
B	69	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	70	MET	-	EXPRESSION TAG	UNP Q9SEL7
B	71	ALA	-	EXPRESSION TAG	UNP Q9SEL7
B	72	SER	-	EXPRESSION TAG	UNP Q9SEL7

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Chain	Residue	Modelled	Actual	Comment	Reference
B	266	ALA	SER	ENGINEERED MUTATION	UNP Q9SEL7
B	323	LEU	-	EXPRESSION TAG	UNP Q9SEL7
B	324	SER	-	EXPRESSION TAG	UNP Q9SEL7
B	325	SER	-	EXPRESSION TAG	UNP Q9SEL7
B	326	VAL	-	EXPRESSION TAG	UNP Q9SEL7
B	327	ASP	-	EXPRESSION TAG	UNP Q9SEL7
B	328	LYS	-	EXPRESSION TAG	UNP Q9SEL7
B	329	LEU	-	EXPRESSION TAG	UNP Q9SEL7
B	330	ALA	-	EXPRESSION TAG	UNP Q9SEL7
B	331	ALA	-	EXPRESSION TAG	UNP Q9SEL7
B	332	ALA	-	EXPRESSION TAG	UNP Q9SEL7
B	333	LEU	-	EXPRESSION TAG	UNP Q9SEL7
B	334	GLU	-	EXPRESSION TAG	UNP Q9SEL7
B	335	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	336	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	337	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	338	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	339	HIS	-	EXPRESSION TAG	UNP Q9SEL7
B	340	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	50	MET	-	EXPRESSION TAG	UNP Q9SEL7
C	51	GLY	-	EXPRESSION TAG	UNP Q9SEL7
C	52	SER	-	EXPRESSION TAG	UNP Q9SEL7
C	53	SER	-	EXPRESSION TAG	UNP Q9SEL7
C	54	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	55	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	56	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	57	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	58	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	59	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	60	SER	-	EXPRESSION TAG	UNP Q9SEL7
C	61	SER	-	EXPRESSION TAG	UNP Q9SEL7
C	62	GLY	-	EXPRESSION TAG	UNP Q9SEL7
C	63	LEU	-	EXPRESSION TAG	UNP Q9SEL7
C	64	VAL	-	EXPRESSION TAG	UNP Q9SEL7
C	65	PRO	-	EXPRESSION TAG	UNP Q9SEL7
C	66	ARG	-	EXPRESSION TAG	UNP Q9SEL7
C	67	GLY	-	EXPRESSION TAG	UNP Q9SEL7
C	68	SER	-	EXPRESSION TAG	UNP Q9SEL7
C	69	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	70	MET	-	EXPRESSION TAG	UNP Q9SEL7
C	71	ALA	-	EXPRESSION TAG	UNP Q9SEL7
C	72	SER	-	EXPRESSION TAG	UNP Q9SEL7

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Chain	Residue	Modelled	Actual	Comment	Reference
C	266	ALA	SER	ENGINEERED MUTATION	UNP Q9SEL7
C	323	LEU	-	EXPRESSION TAG	UNP Q9SEL7
C	324	SER	-	EXPRESSION TAG	UNP Q9SEL7
C	325	SER	-	EXPRESSION TAG	UNP Q9SEL7
C	326	VAL	-	EXPRESSION TAG	UNP Q9SEL7
C	327	ASP	-	EXPRESSION TAG	UNP Q9SEL7
C	328	LYS	-	EXPRESSION TAG	UNP Q9SEL7
C	329	LEU	-	EXPRESSION TAG	UNP Q9SEL7
C	330	ALA	-	EXPRESSION TAG	UNP Q9SEL7
C	331	ALA	-	EXPRESSION TAG	UNP Q9SEL7
C	332	ALA	-	EXPRESSION TAG	UNP Q9SEL7
C	333	LEU	-	EXPRESSION TAG	UNP Q9SEL7
C	334	GLU	-	EXPRESSION TAG	UNP Q9SEL7
C	335	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	336	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	337	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	338	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	339	HIS	-	EXPRESSION TAG	UNP Q9SEL7
C	340	HIS	-	EXPRESSION TAG	UNP Q9SEL7

- Molecule 2 is CALCIUM ION (three-letter code: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	B	1	Total Ca 1 1	0	0
2	A	3	Total Ca 3 3	0	0
2	C	1	Total Ca 1 1	0	0

- Molecule 3 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	A	37	Total O 37 37	0	0
3	B	45	Total O 45 45	0	0
3	C	49	Total O 49 49	0	0





LYS	GLY	SER	GLY	MET	SER	SER	GLY	V296	V297	I300	P301	I302	V305	V309	P310	A318	TYR	ARG	ASP	ARG	LEU	SER	SER	VAL	ASP	LYS	LEU	ALA	ALA	ALA	LEU	GLU	HIS	HIS	HIS	HIS	HIS
-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

## 4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	109.09Å 125.95Å 83.33Å 90.00° 102.91° 90.00°	Depositor
Resolution (Å)	49.88 – 2.61 49.88 – 2.61	Depositor EDS
% Data completeness (in resolution range)	98.7 (49.88-2.61) 98.6 (49.88-2.61)	Depositor EDS
$R_{merge}$	(Not available)	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	3.29 (at 2.61Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.7.1_743)	Depositor
R, $R_{free}$	0.182 , 0.232 0.180 , 0.228	Depositor DCC
$R_{free}$ test set	1675 reflections (5.34%)	DCC
Wilson B-factor (Å <sup>2</sup> )	39.3	Xtriage
Anisotropy	0.397	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.33 , 36.2	EDS
Estimated twinning fraction	0.448 for -1/2*h+1/2*k-l,1/2*h-1/2*k-l,-1/2 *h-1/2*k 0.457 for -1/2*h-1/2*k-l,-1/2*h-1/2*k+l,-1/ 2*h+1/2*k	Xtriage
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.49$ , $\langle L^2 \rangle = 0.32$	Xtriage
Outliers	1 of 33060 reflections (0.003%)	Xtriage
$F_o, F_c$ correlation	0.95	EDS
Total number of atoms	4946	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	51.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.95% 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, 0.375 respectively for untwinned datasets, and 0.333, 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:  
CA

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	0.39	0/1641	0.54	0/2229
1	B	0.38	0/1630	0.54	0/2215
1	C	0.38	0/1632	0.54	0/2217
All	All	0.39	0/4903	0.54	0/6661

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 [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	1609	0	1589	33	0
1	B	1601	0	1576	32	0
1	C	1600	0	1583	37	0
2	A	3	0	0	0	0
2	B	1	0	0	0	0
2	C	1	0	0	0	0
3	A	37	0	0	0	0
3	B	45	0	0	0	0
3	C	49	0	0	1	0
All	All	4946	0	4748	100	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 10.

The worst 5 of 100 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:C:197:GLU:HG2	1:C:197:GLU:O	1.61	0.97
1:B:197:GLU:HG2	1:B:197:GLU:O	1.68	0.91
1:A:197:GLU:HG2	1:A:197:GLU:O	1.70	0.87
1:A:249:LYS:HA	1:A:285:PHE:HE1	1.48	0.78
1:C:249:LYS:HA	1:C:285:PHE:HE1	1.50	0.77

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	207/291 (71%)	189 (91%)	15 (7%)	3 (1%)	14	28
1	B	206/291 (71%)	190 (92%)	14 (7%)	2 (1%)	19	39
1	C	206/291 (71%)	194 (94%)	10 (5%)	2 (1%)	19	39
All	All	619/873 (71%)	573 (93%)	39 (6%)	7 (1%)	17	36

5 of 7 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	156	GLN
1	A	247	ASN
1	C	156	GLN
1	B	156	GLN
1	B	247	ASN

### 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	177/243 (73%)	167 (94%)	10 (6%)	26	50
1	B	176/243 (72%)	167 (95%)	9 (5%)	29	55
1	C	176/243 (72%)	170 (97%)	6 (3%)	44	72
All	All	529/729 (73%)	504 (95%)	25 (5%)	31	59

5 of 25 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	B	159	LEU
1	B	173	ARG
1	C	241	ARG
1	B	167	VAL
1	B	197	GLU

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

### 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 carbohydrates in this entry.

## 5.6 Ligand geometry

Of 5 ligands modelled in this entry, 5 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

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 [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	210/291 (72%)	0.11	7 (3%)	50 43	18, 43, 109, 158	1 (0%)
1	B	210/291 (72%)	0.13	6 (2%)	55 48	18, 42, 112, 150	2 (0%)
1	C	209/291 (71%)	0.10	4 (1%)	70 64	17, 43, 103, 147	1 (0%)
All	All	629/873 (72%)	0.11	17 (2%)	58 51	17, 43, 109, 158	4 (0%)

The worst 5 of 17 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	159	LEU	4.0
1	B	285	PHE	3.7
1	A	159	LEU	3.6
1	A	157	PHE	3.2
1	A	110	LEU	3.0

### 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 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( $\text{\AA}^2$ )	Q<0.9
2	CA	A	401	1/1	0.99	0.21	2.57	33,33,33,33	0
2	CA	B	401	1/1	0.99	0.20	2.35	36,36,36,36	0
2	CA	C	401	1/1	0.98	0.20	0.48	33,33,33,33	0
2	CA	A	403	1/1	0.96	0.18	-	88,88,88,88	0
2	CA	A	402	1/1	0.96	0.11	-	64,64,64,64	0

## 6.5 Other polymers [i](#)

There are no such residues in this entry.