

wwPDB X-ray Structure Validation Summary Report (i)

Oct 23, 2021 – 08:46 AM EDT

PDB ID : 1AFD

Title : STRUCTURAL BASIS OF GALACTOSE RECOGNITION IN C-TYPE AN-

IMAL LECTINS

Authors: Kolatkar, A.R.; Weis, W.I.

Deposited on : 1995-11-03

Resolution : 2.00 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 (i) symbol.

The following versions of software and data (see references (1)) were used in the production of this report:

MolProbity : 4.02b-467 Xtriage (Phenix) : 1.13

EDS : 2.23.2

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)

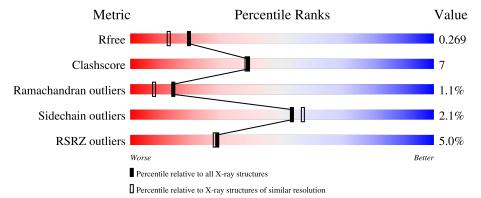
Validation Pipeline (wwPDB-VP) : 2.23.2

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure: X- $RAY\ DIFFRACTION$

The reported resolution of this entry is 2.00 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	Similar resolution
Metric	$(\# ext{Entries})$	$(\# ext{Entries}, ext{ resolution range}(ext{Å}))$
R_{free}	130704	8085 (2.00-2.00)
Clashscore	141614	9178 (2.00-2.00)
Ramachandran outliers	138981	9054 (2.00-2.00)
Sidechain outliers	138945	9053 (2.00-2.00)
RSRZ outliers	127900	7900 (2.00-2.00)

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 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 <=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	1	154	90%	10	0% •
1	2	154	73%	25%	•
1	3	154	82%	18%	



2 Entry composition (i)

There are 4 unique types of molecules in this entry. The entry contains 3911 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 MANNOSE-BINDING PROTEIN-A.

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf	Trace		
1	1	154	Total	С	N	О	S	0	0	0
1	1	104	1193	750	204	231	8	0	U	0
1	2	154	Total	С	N	О	S	0	0	0
1	Δ	104	1193	750	204	231	8	0	U	0
1	2	154	Total	С	N	О	S	0	1	0
1	3	104	1198	753	206	231	8		1	0

There are 30 discrepancies between the modelled and reference sequences:

1 187 ASP ASN engineered mutation UNP P19999 1 189 TRP HIS engineered mutation UNP P19999 1 190 TYR GLY engineered mutation UNP P19999 1 191 GLY SER engineered mutation UNP P19999 1 192 HIS - insertion UNP P19999 1 193 GLY - insertion UNP P19999 1 194 LEU - insertion UNP P19999 1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 192 HIS - insertion </th <th>Chain</th> <th>Residue</th> <th>Modelled</th> <th>Actual</th> <th>Comment</th> <th>Reference</th>	Chain	Residue	Modelled	Actual	Comment	Reference
1 189 TRP HIS engineered mutation UNP P19999 1 190 TYR GLY engineered mutation UNP P19999 1 191 GLY SER engineered mutation UNP P19999 1 192 HIS - insertion UNP P19999 1 193 GLY - insertion UNP P19999 1 194 LEU - insertion UNP P19999 1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 193 GLY - insertion </td <td>1</td> <td>185</td> <td>GLN</td> <td>GLU</td> <td>engineered mutation</td> <td>UNP P19999</td>	1	185	GLN	GLU	engineered mutation	UNP P19999
1 190 TYR GLY engineered mutation UNP P19999 1 191 GLY SER engineered mutation UNP P19999 1 192 HIS - insertion UNP P19999 1 193 GLY - insertion UNP P19999 1 194 LEU - insertion UNP P19999 1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 193 GLY - insertion </td <td>1</td> <td>187</td> <td>ASP</td> <td>ASN</td> <td>engineered mutation</td> <td>UNP P19999</td>	1	187	ASP	ASN	engineered mutation	UNP P19999
1 191 GLY SER engineered mutation UNP P19999 1 192 HIS - insertion UNP P19999 1 193 GLY - insertion UNP P19999 1 194 LEU - insertion UNP P19999 1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P199	1	189	TRP	HIS	engineered mutation	UNP P19999
1 192 HIS - insertion UNP P19999 1 193 GLY - insertion UNP P19999 1 194 LEU - insertion UNP P19999 1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P199	1	190	TYR	GLY	engineered mutation	UNP P19999
1 193 GLY - insertion UNP P19999 1 194 LEU - insertion UNP P19999 1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P199	1	191	GLY	SER	engineered mutation	UNP P19999
1 194 LEU - insertion UNP P19999 1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P199	1	192	HIS	-	insertion	UNP P19999
1 195 GLY - insertion UNP P19999 1 196 GLY - insertion UNP P19999 2 185 GLN GLU engineered mutation UNP P19999 2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation	1	193	GLY	-	insertion	UNP P19999
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2 187 ASP ASN engineered mutation UNP P19999 2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	1	196	GLY	-	insertion	UNP P19999
2 189 TRP HIS engineered mutation UNP P19999 2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	185	GLN	GLU	engineered mutation	UNP P19999
2 190 TYR GLY engineered mutation UNP P19999 2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	187	ASP	ASN	engineered mutation	UNP P19999
2 191 GLY SER engineered mutation UNP P19999 2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	189	TRP	HIS	engineered mutation	UNP P19999
2 192 HIS - insertion UNP P19999 2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	190	TYR	GLY	engineered mutation	UNP P19999
2 193 GLY - insertion UNP P19999 2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	191	GLY	SER	engineered mutation	UNP P19999
2 194 LEU - insertion UNP P19999 2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	192	HIS	-	insertion	UNP P19999
2 195 GLY - insertion UNP P19999 2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	193	GLY	-	insertion	UNP P19999
2 196 GLY - insertion UNP P19999 3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	194	LEU	-	insertion	UNP P19999
3 185 GLN GLU engineered mutation UNP P19999 3 187 ASP ASN engineered mutation UNP P19999	2	195	GLY	-	insertion	UNP P19999
3 187 ASP ASN engineered mutation UNP P19999	2	196	GLY	-	insertion	UNP P19999
	3	185	GLN	GLU	engineered mutation	UNP P19999
3 189 TRP HIS engineered mutation UNP P19999	3	187	ASP	ASN	engineered mutation	UNP P19999
	3	189	TRP	HIS	engineered mutation	UNP P19999

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Chain	Residue	Modelled	Actual	Comment	Reference
3	190	TYR	GLY	engineered mutation	UNP P19999
3	191	GLY	SER	engineered mutation	UNP P19999
3	192	HIS	-	insertion	UNP P19999
3	193	GLY	-	insertion	UNP P19999
3	194	LEU	-	insertion	UNP P19999
3	195	GLY	-	insertion	UNP P19999
3	196	GLY	-	insertion	UNP P19999

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

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

• Molecule 3 is CHLORIDE ION (three-letter code: CL) (formula: Cl).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	1	1	Total Cl 1 1	0	0
3	3	1	Total Cl 1 1	0	0

• Molecule 4 is water.

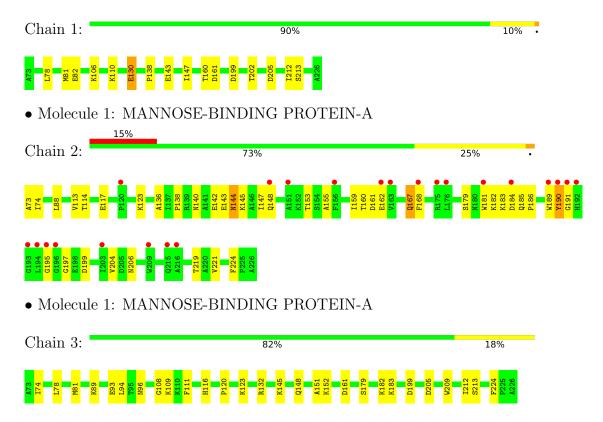
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	1	145	Total O 145 145	0	0
4	2	74	Total O 74 74	0	0
4	3	98	Total O 98 98	0	0



3 Residue-property plots (i)

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: MANNOSE-BINDING PROTEIN-A





4 Data and refinement statistics (i)

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants	80.40Å 84.70Å 98.00Å	Donositor
a, b, c, α , β , γ	90.00° 105.40° 90.00°	Depositor
Resolution (Å)	10.00 - 2.00	Depositor
Resolution (A)	31.53 - 1.95	EDS
% Data completeness	93.9 (10.00-2.00)	Depositor
(in resolution range)	96.5 (31.53-1.95)	EDS
R_{merge}	0.05	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) > 1$	2.84 (at 1.95Å)	Xtriage
Refinement program	X-PLOR 3.54	Depositor
D D.	0.234 , 0.282	Depositor
R, R_{free}	0.226 , 0.269	DCC
R_{free} test set	4533 reflections (10.14%)	wwPDB-VP
Wilson B-factor (Å ²)	25.2	Xtriage
Anisotropy	0.305	Xtriage
Bulk solvent $k_{sol}(e/Å^3)$, $B_{sol}(Å^2)$	0.29 , 61.9	EDS
L-test for twinning ²	$ < L > = 0.49, < L^2> = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	3911	wwPDB-VP
Average B, all atoms (Å ²)	34.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The largest off-origin peak in the Patterson function is 5.68% of the height of the origin peak. No significant pseudotranslation is detected.

²Theoretical values of <|L|>, $<L^2>$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.



¹Intensities estimated from amplitudes.

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, CL

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	\mathbf{angles}
IVIOI	Chain	RMSZ	# Z > 5	RMSZ	# Z > 5
1	1	0.44	0/1216	0.65	0/1638
1	2	0.43	0/1216	0.61	0/1638
1	3	0.43	0/1227	0.63	0/1653
All	All	0.43	0/3659	0.63	0/4929

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	1	1193	0	1167	12	0
1	2	1193	0	1167	28	0
1	3	1198	0	1170	18	0
2	1	3	0	0	0	0
2	2	2	0	0	0	0
2	3	3	0	0	0	0
3	1	1	0	0	0	0
3	3	1	0	0	0	0
4	1	145	0	0	0	0
4	2	74	0	0	2	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	3	98	0	0	3	0
All	All	3911	0	3504	53	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.

The worst 5 of 53 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	$\begin{array}{c} {\rm Interatomic} \\ {\rm distance} \ ({\rm \AA}) \end{array}$	Clash overlap (Å)
1:2:138:PRO:HG3	1:2:147:ILE:HD12	1.41	1.01
1:2:138:PRO:HB3	1:2:144:ASN:HA	1.64	0.80
1:2:167:GLN:HE21	1:2:167:GLN:HA	1.50	0.76
1:3:120:PRO:HD2	1:3:123:LYS:HD3	1.66	0.76
1:2:88:LEU:HD21	1:3:89:LYS:HG2	1.69	0.74

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	1	152/154~(99%)	144 (95%)	8 (5%)	0	100 100
1	2	152/154 (99%)	139 (91%)	9 (6%)	4 (3%)	5 2
1	3	153/154 (99%)	145 (95%)	7 (5%)	1 (1%)	22 16
All	All	457/462 (99%)	428 (94%)	24 (5%)	5 (1%)	14 8

All (5) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	3	74	ILE
1	2	189	TRP

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Mol	Chain	Res	Type
1	2	191	GLY
1	2	195	GLY
1	2	74	ILE

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	1	128/128 (100%)	126 (98%)	2 (2%)	62 67	
1	2	128/128 (100%)	124 (97%)	4 (3%)	40 40	
1	3	129/128 (101%)	127 (98%)	2 (2%)	62 67	
All	All	385/384 (100%)	377 (98%)	8 (2%)	53 57	

5 of 8 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	3	205	ASP
1	3	94	LEU
1	2	179	SER
1	2	167	GLN
1	2	190	TYR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 7 such sidechains are listed below:

Mol	Chain	Res	Type
1	2	96	ASN
1	2	167	GLN
1	3	116	HIS
1	3	96	ASN
1	2	80	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 10 ligands modelled in this entry, 10 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^{th} 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>	$\#\mathrm{RSRZ}{>}2$	$OWAB(A^2)$	Q<0.9
1	1	154/154 (100%)	-0.41	0 100 100	15, 24, 42, 49	0
1	2	154/154 (100%)	0.86	23 (14%) 2 2	19, 44, 79, 95	0
1	3	154/154 (100%)	-0.28	0 100 100	18, 30, 49, 66	0
All	All	462/462 (100%)	0.06	23 (4%) 28 28	15, 31, 59, 95	0

The worst 5 of 23 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	2	195	GLY	11.5
1	2	191	GLY	8.2
1	2	190	TYR	7.3
1	2	194	LEU	7.2
1	2	196	GLY	7.2

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^{th} 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	$\operatorname{B-factors}(\mathring{\mathbf{A}}^2)$	Q < 0.9
2	CA	2	1	1/1	0.95	0.07	46,46,46,46	0
2	CA	2	2	1/1	0.95	0.04	45,45,45,45	0
2	CA	3	2	1/1	0.97	0.05	30,30,30,30	0
3	CL	1	4	1/1	0.98	0.12	36,36,36,36	0
3	CL	3	4	1/1	0.98	0.06	34,34,34,34	0
2	CA	1	2	1/1	0.99	0.05	24,24,24,24	0
2	CA	3	3	1/1	0.99	0.08	23,23,23,23	0
2	CA	1	3	1/1	0.99	0.08	22,22,22,22	0
2	CA	3	1	1/1	0.99	0.10	29,29,29,29	0
2	CA	1	1	1/1	1.00	0.10	20,20,20,20	0

6.5 Other polymers (i)

There are no such residues in this entry.

