



# Full wwPDB X-ray Structure Validation Report ⓘ

Oct 28, 2024 – 04:20 AM EDT

PDB ID : 2GNM  
Title : P. angolensis lectin (PAL) treated with EDTA for 39 hours  
Authors : Garcia-Pino, A.; Buts, L.; Wyns, L.; Loris, R.  
Deposited on : 2006-04-10  
Resolution : 1.95 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.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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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 : 2022.3.0, CSD as543be (2022)  
Xtriage (Phenix) : 1.20.1  
EDS : 3.0  
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)  
CCP4 : 9.0.003 (Gargrove)  
Density-Fitness : 1.0.11  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.39

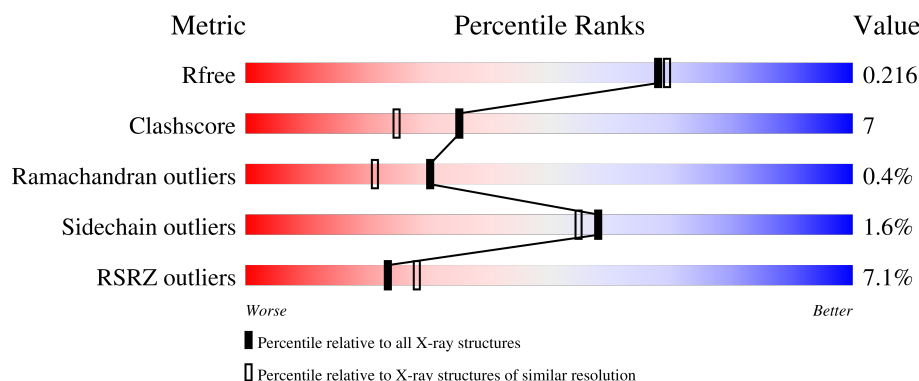
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 1.95 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))
$R_{free}$	164625	3187 (1.96-1.96)
Clashscore	180529	3412 (1.96-1.96)
Ramachandran outliers	177936	3390 (1.96-1.96)
Sidechain outliers	177891	3390 (1.96-1.96)
RSRZ outliers	164620	3186 (1.96-1.96)

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  $\geq 3$ , 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	252	<div> <div>9%</div> <div>82%</div> <div>12%</div> <div>• •</div> </div>
1	B	252	<div> <div>5%</div> <div>83%</div> <div>11%</div> <div>• 5%</div> </div>

## 2 Entry composition [i](#)

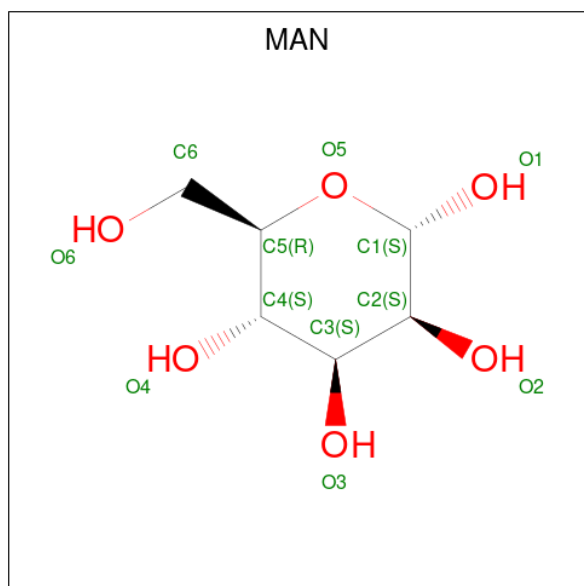
There are 5 unique types of molecules in this entry. The entry contains 3851 atoms, of which 0 are hydrogens and 0 are deuteriums.

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 lectin.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
1	A	241	Total	C	N	O	0	15	1
			1851	1177	307	367			
1	B	240	Total	C	N	O	0	5	1
			1808	1147	300	361			

- Molecule 2 is alpha-D-mannopyranose (three-letter code: MAN) (formula: C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
2	A	1	Total	C	O	0	0
			12	6	6		

- Molecule 3 is CALCIUM ION (three-letter code: CA) (formula: Ca).

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

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

- Molecule 4 is MANGANESE (II) ION (three-letter code: MN) (formula: Mn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	1	Total	Mn	0	0
			1	1		
4	B	1	Total	Mn	0	0
			1	1		

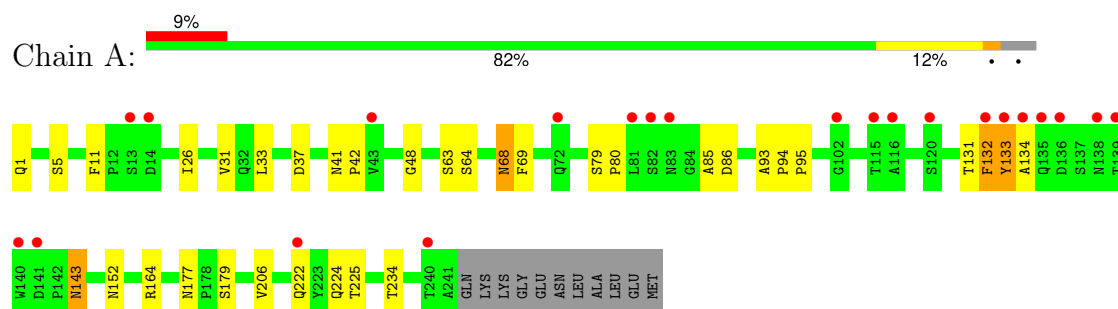
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	81	Total	O	0	0
			81	81		
5	B	95	Total	O	0	0
			95	95		

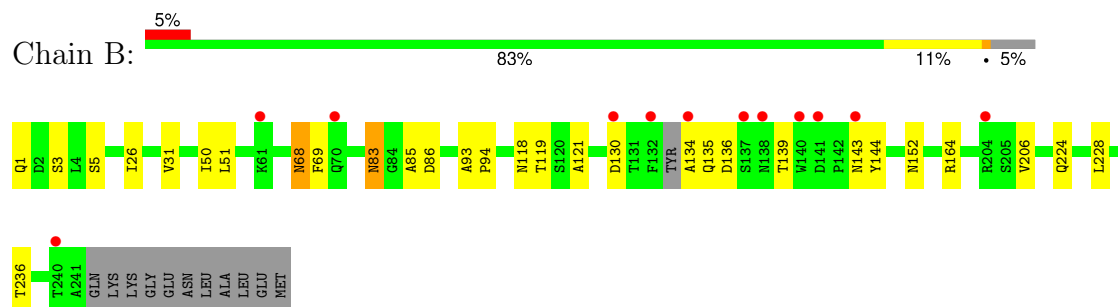
### 3 Residue-property plots [i](#)

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: lectin



- Molecule 1: lectin



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	57.20Å 82.97Å 123.78Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	25.00 – 1.95 25.00 – 1.95	Depositor EDS
% Data completeness (in resolution range)	(Not available) (25.00-1.95) 99.4 (25.00-1.95)	Depositor EDS
$R_{merge}$	(Not available)	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	3.11 (at 1.95Å)	Xtriage
Refinement program	CNS	Depositor
R, $R_{free}$	0.189 , 0.213 0.192 , 0.216	Depositor DCC
$R_{free}$ test set	2184 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	28.7	Xtriage
Anisotropy	0.243	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.31 , 47.7	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.50$ , $\langle L^2 \rangle = 0.34$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
$F_o, F_c$ correlation	0.96	EDS
Total number of atoms	3851	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	35.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.35% 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: PCA, CA, MN, MAN

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	13.36	2/1902 (0.1%)	1.18	6/2601 (0.2%)
1	B	0.34	0/1858	0.67	0/2538
All	All	9.51	2/3760 (0.1%)	0.96	6/5139 (0.1%)

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	133[A]	TYR	CB-CG	411.92	7.69	1.51
1	A	133[B]	TYR	CB-CG	411.92	7.69	1.51

All (6) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	133[A]	TYR	CB-CG-CD1	-24.76	106.14	121.00
1	A	133[B]	TYR	CB-CG-CD1	-24.76	106.14	121.00
1	A	133[A]	TYR	CA-CB-CG	-21.52	72.51	113.40
1	A	133[B]	TYR	CA-CB-CG	-21.52	72.51	113.40
1	A	133[A]	TYR	CB-CG-CD2	14.11	129.47	121.00
1	A	133[B]	TYR	CB-CG-CD2	14.11	129.47	121.00

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	1851	0	1693	28	0
1	B	1808	0	1696	25	0
2	A	12	0	12	0	0
3	A	1	0	0	0	0
3	B	1	0	0	0	0
4	A	1	0	0	0	0
4	B	1	0	0	0	0
5	A	81	0	0	0	0
5	B	95	0	0	0	0
All	All	3851	0	3401	52	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 (52) 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:143:ASN:HD22	1:A:143:ASN:H	1.20	0.85
1:A:164:ARG:HE	1:A:224:GLN:HE22	1.25	0.84
1:A:164:ARG:HH11	1:A:224:GLN:HE21	1.33	0.77
1:B:83:ASN:HD22	1:B:83:ASN:H	1.40	0.69
1:A:5[B]:SER:HG	1:B:5:SER:HG	1.42	0.67
1:B:164:ARG:HH11	1:B:224:GLN:HE21	1.42	0.66
1:A:143:ASN:H	1:A:143:ASN:ND2	1.91	0.65
1:B:164:ARG:HE	1:B:224:GLN:HE22	1.46	0.63
1:A:143:ASN:HD22	1:A:143:ASN:N	1.86	0.63
1:B:118:ASN:HD22	1:B:121:ALA:HB2	1.66	0.61
1:A:164:ARG:HE	1:A:224:GLN:NE2	1.96	0.61
1:A:5[B]:SER:HB2	1:A:234[B]:THR:HG22	1.86	0.56
1:B:152:ASN:HD21	1:B:206:VAL:HG13	1.71	0.55
1:A:37:ASP:OD2	1:A:41:ASN:HB2	2.06	0.55
1:B:26:ILE:CD1	1:B:31:VAL:HG22	2.36	0.55
1:B:85:ALA:HB1	1:B:86:ASP:HA	1.89	0.54
1:A:131[A]:THR:HB	1:A:164:ARG:HD2	1.89	0.53
1:B:164:ARG:HE	1:B:224:GLN:NE2	2.07	0.52
1:B:134:ALA:HB1	1:B:136:ASP:OD1	2.09	0.52
1:B:50:ILE:C	1:B:51:LEU:HD22	2.30	0.52
1:B:83:ASN:H	1:B:83:ASN:ND2	2.08	0.51
1:B:93:ALA:HB1	1:B:94:PRO:CD	2.41	0.50
1:B:83:ASN:HD22	1:B:83:ASN:N	2.02	0.50
1:A:164:ARG:HH11	1:A:224:GLN:NE2	2.04	0.50
1:B:118:ASN:HD22	1:B:121:ALA:CB	2.25	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:135:GLN:O	1:B:139:THR:HG22	2.13	0.49
1:B:83:ASN:ND2	1:B:83:ASN:N	2.61	0.49
1:A:26:ILE:CD1	1:A:31:VAL:HG22	2.44	0.47
1:A:85:ALA:O	1:A:224:GLN:HG2	2.14	0.47
1:A:68:ASN:HD22	1:A:69:PHE:N	2.13	0.47
1:B:143:ASN:O	1:B:144:TYR:HB3	2.15	0.46
1:A:85:ALA:HB3	1:A:222:GLN:HB2	1.98	0.46
1:B:68:ASN:HD22	1:B:69:PHE:N	2.13	0.46
1:A:33:LEU:O	1:A:48:GLY:HA3	2.16	0.45
1:A:85:ALA:HB1	1:A:86:ASP:HA	1.99	0.45
1:A:132[B]:PHE:CE1	1:A:143:ASN:HA	2.52	0.44
1:B:68:ASN:HD22	1:B:68:ASN:C	2.19	0.44
1:A:68:ASN:HD22	1:A:68:ASN:C	2.21	0.44
1:B:31:VAL:HB	1:B:228:LEU:HB3	1.98	0.44
1:A:42:PRO:HD3	1:A:225:THR:HG23	2.00	0.43
1:B:3:SER:CB	1:B:236[B]:THR:HG22	2.48	0.43
1:B:26:ILE:HD13	1:B:31:VAL:HG22	2.01	0.43
1:A:26:ILE:HD13	1:A:31:VAL:HG22	2.01	0.43
1:B:119:THR:HA	1:B:152:ASN:O	2.19	0.42
1:A:93:ALA:HB1	1:A:94:PRO:CD	2.49	0.42
1:A:177:ASN:OD1	1:A:179:SER:HB3	2.19	0.42
1:A:63:SER:O	1:A:64:SER:HB3	2.20	0.41
1:A:152:ASN:HD21	1:A:206:VAL:HG13	1.86	0.41
1:A:79:SER:HA	1:A:80:PRO:HD3	1.92	0.41
1:B:152:ASN:ND2	1:B:206:VAL:HG13	2.36	0.41
1:A:11:PHE:HB3	1:A:26:ILE:HD12	2.03	0.41
1:A:94:PRO:HA	1:A:95:PRO:HD3	1.89	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	246/252 (98%)	234 (95%)	9 (4%)	3 (1%)	11	4
1	B	241/252 (96%)	234 (97%)	7 (3%)	0	100	100
All	All	487/504 (97%)	468 (96%)	16 (3%)	3 (1%)	30	13

All (3) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	134[A]	ALA
1	A	132[A]	PHE
1	A	132[B]	PHE

### 5.3.2 Protein sidechains ⓘ

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	194/215 (90%)	190 (98%)	4 (2%)	48	43
1	B	193/215 (90%)	190 (98%)	3 (2%)	58	55
All	All	387/430 (90%)	380 (98%)	7 (2%)	58	49

All (7) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	68	ASN
1	A	133[A]	TYR
1	A	133[B]	TYR
1	A	143	ASN
1	B	68	ASN
1	B	83	ASN
1	B	130	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (12) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	32	GLN

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Mol	Chain	Res	Type
1	A	41	ASN
1	A	68	ASN
1	A	143	ASN
1	A	224	GLN
1	B	25	GLN
1	B	41	ASN
1	B	68	ASN
1	B	83	ASN
1	B	118	ASN
1	B	222	GLN
1	B	224	GLN

### 5.3.3 RNA ⓘ

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	PCA	B	1	1	7,8,9	2.73	2 (28%)	9,10,12	1.85	2 (22%)
1	PCA	A	1	1	7,8,9	2.69	2 (28%)	9,10,12	1.75	2 (22%)

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	PCA	B	1	1	-	0/0/11/13	0/1/1/1
1	PCA	A	1	1	-	0/0/11/13	0/1/1/1

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	1	PCA	CD-N	6.36	1.50	1.34
1	B	1	PCA	CD-N	6.35	1.50	1.34
1	B	1	PCA	CA-N	2.87	1.49	1.46
1	A	1	PCA	CA-N	2.65	1.49	1.46

All (4) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	1	PCA	OE-CD-CG	-3.00	121.36	126.72
1	B	1	PCA	OE-CD-N	2.93	131.30	124.96
1	A	1	PCA	OE-CD-CG	-2.93	121.49	126.72
1	A	1	PCA	OE-CD-N	2.41	130.18	124.96

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

## 5.5 Carbohydrates

There are no oligosaccharides in this entry.

## 5.6 Ligand geometry

Of 5 ligands modelled in this entry, 4 are monoatomic - leaving 1 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	MAN	A	253	-	12,12,12	0.36	0	17,17,17	0.33	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	MAN	A	253	-	-	0/2/22/22	0/1/1/1

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

### 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, 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	240/252 (95%)	0.49	22 (9%) 16 20	11, 33, 57, 77	14 (5%)
1	B	239/252 (94%)	0.10	12 (5%) 35 42	13, 29, 70, 104	5 (2%)
All	All	479/504 (95%)	0.29	34 (7%) 23 28	11, 31, 61, 104	19 (3%)

All (34) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	135[A]	GLN	7.6
1	A	134[A]	ALA	6.5
1	A	139[A]	THR	6.5
1	A	133[A]	TYR	6.1
1	B	140	TRP	5.5
1	A	132[A]	PHE	5.0
1	A	222	GLN	5.0
1	A	140[A]	TRP	4.4
1	B	134	ALA	4.3
1	A	136[A]	ASP	3.6
1	B	138	ASN	3.4
1	B	132	PHE	3.3
1	B	143	ASN	3.2
1	A	138[A]	ASN	3.1
1	A	141[A]	ASP	3.1
1	A	14	ASP	3.0
1	B	204	ARG	2.9
1	A	115	THR	2.9
1	A	102	GLY	2.8
1	B	240	THR	2.7
1	B	137	SER	2.6
1	B	61	LYS	2.5
1	A	43	VAL	2.4
1	B	141	ASP	2.4

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Mol	Chain	Res	Type	RSRZ
1	B	70	GLN	2.4
1	A	120	SER	2.3
1	A	72	GLN	2.3
1	A	83	ASN	2.3
1	A	240	THR	2.3
1	A	13	SER	2.3
1	B	130	ASP	2.1
1	A	116	ALA	2.1
1	A	81	LEU	2.0
1	A	82	SER	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, 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
1	PCA	B	1	8/9	0.96	0.07	20,25,30,34	0
1	PCA	A	1	8/9	0.97	0.06	20,22,25,29	0

## 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
3	CA	B	253	1/1	0.77	0.18	57,57,57,57	1
2	MAN	A	253	12/12	0.79	0.20	27,40,42,45	12
4	MN	A	255	1/1	0.93	0.08	39,39,39,39	1
4	MN	B	254	1/1	0.94	0.07	47,47,47,47	1
3	CA	A	254	1/1	0.98	0.05	28,28,28,28	1

## 6.5 Other polymers [i](#)

There are no such residues in this entry.