



# Full wwPDB X-ray Structure Validation Report ⓘ

Feb 1, 2016 – 08:26 AM GMT

PDB ID : 3ENR  
Title : ZINC-CALCIUM CONCAVALIN A AT PH 6.15  
Authors : Bouckaert, J.; Loris, R.; Wyns, L.  
Deposited on : 1999-02-11  
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](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

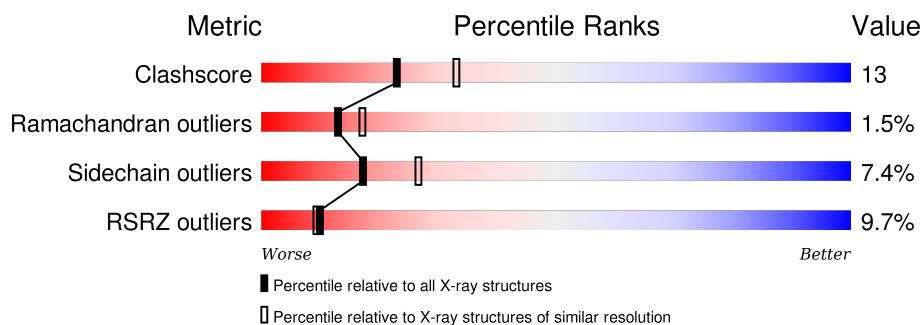
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 2.40 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))
Clashscore	102246	3407 (2.40-2.40)
Ramachandran outliers	100387	3351 (2.40-2.40)
Sidechain outliers	100360	3352 (2.40-2.40)
RSRZ outliers	91569	2928 (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 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	237	<div> <div>14%</div> <div>72%</div> <div>26%</div> <div>.</div> </div>
1	B	237	<div> <div>5%</div> <div>71%</div> <div>25%</div> <div>.</div> </div>

## 2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 3693 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 PROTEIN (CONCANAVALIN A).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	237	Total	C	N	O	S	0	0	0
			1806	1140	302	362	2			
1	B	237	Total	C	N	O	S	0	0	0
			1809	1141	302	364	2			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	151	ASP	GLU	CONFLICT	UNP P02866
B	151	ASP	GLU	CONFLICT	UNP P02866
A	155	GLU	ARG	CONFLICT	UNP P02866
B	155	GLU	ARG	CONFLICT	UNP P02866

- Molecule 2 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	B	2	Total	Zn	0	0
			2	2		
2	A	2	Total	Zn	0	0
			2	2		

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

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

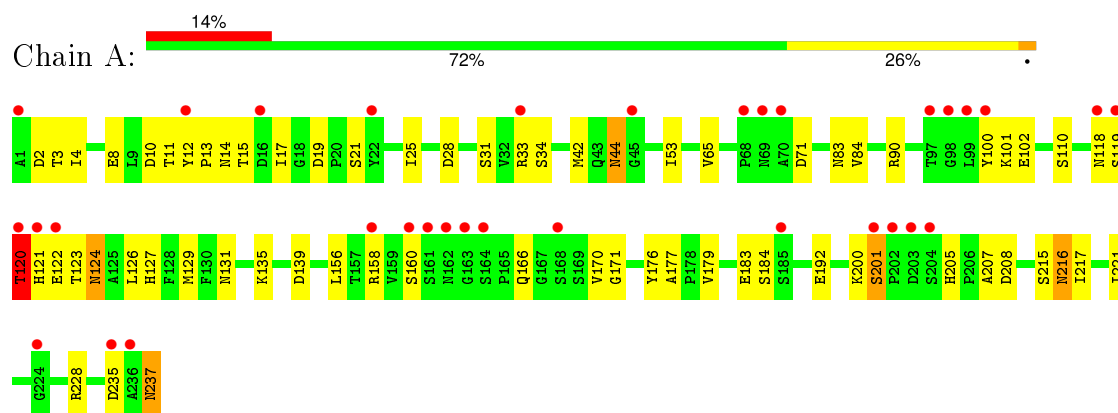
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	30	Total 30	O 30	0	0
4	B	42	Total 42	O 42	0	0

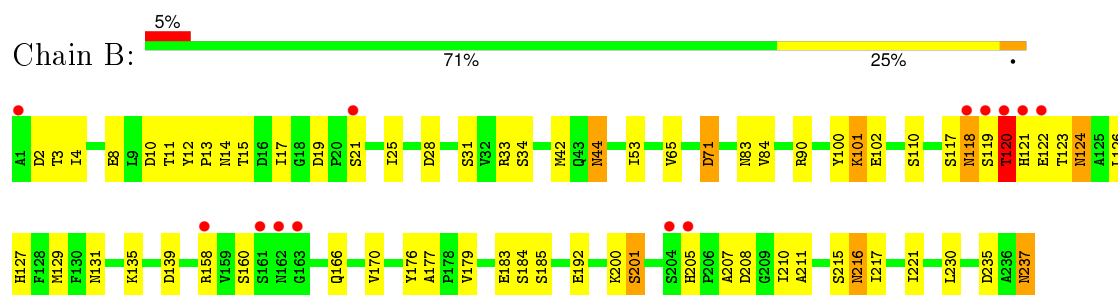
### 3 Residue-property plots

These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors 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: PROTEIN (CONCANAVALIN A)



#### • Molecule 1: PROTEIN (CONCANAVALIN A)



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 2	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	60.13Å 96.46Å 87.42Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	15.00 – 2.40 14.93 – 2.40	Depositor EDS
% Data completeness (in resolution range)	99.4 (15.00-2.40) 99.6 (14.93-2.40)	Depositor EDS
$R_{merge}$	(Not available)	Depositor
$R_{sym}$	10.30	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	7.50 (at 2.39Å)	Xtriage
Refinement program	X-PLOR 3.851	Depositor
R, $R_{free}$	0.215 , 0.283 0.229 , (Not available)	Depositor DCC
$R_{free}$ test set	No test flags present.	DCC
Wilson B-factor (Å <sup>2</sup> )	41.6	Xtriage
Anisotropy	0.304	Xtriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.31 , 60.3	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.43$ , $\langle L^2 \rangle = 0.25$	Xtriage
Outliers	0 of 20360 reflections	Xtriage
$F_o, F_c$ correlation	0.94	EDS
Total number of atoms	3693	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	50.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.17% 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: ZN, 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	0.76	0/1848	0.83	1/2518 (0.0%)
1	B	0.72	0/1851	0.81	1/2522 (0.0%)
All	All	0.74	0/3699	0.82	2/5040 (0.0%)

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	124	ASN	N-CA-C	-6.07	94.62	111.00
1	B	124	ASN	N-CA-C	-5.86	95.18	111.00

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	1806	0	1753	50	0
1	B	1809	0	1755	50	0
2	A	2	0	0	0	0
2	B	2	0	0	0	0
3	A	1	0	0	0	0
3	B	1	0	0	0	0
4	A	30	0	0	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	B	42	0	0	2	0
All	All	3693	0	3508	96	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 13.

All (96) 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:B:44:ASN:HD21	1:B:201:SER:H	1.28	0.79
1:A:44:ASN:HD21	1:A:201:SER:H	1.27	0.79
1:B:123:THR:HG22	1:B:124:ASN:H	1.54	0.71
1:A:123:THR:HG22	1:A:124:ASN:H	1.53	0.71
1:B:216:ASN:HD22	1:B:216:ASN:N	1.89	0.70
1:B:120:THR:HG22	1:B:121:HIS:H	1.57	0.70
1:A:11:THR:HG22	1:A:42:MET:HG3	1.74	0.69
1:A:120:THR:HG22	1:A:121:HIS:H	1.57	0.69
1:B:120:THR:HG22	1:B:121:HIS:ND1	2.07	0.69
1:B:216:ASN:H	1:B:216:ASN:ND2	1.91	0.68
1:A:216:ASN:ND2	1:A:216:ASN:H	1.92	0.68
1:A:170:VAL:HG12	1:A:221:ILE:HD13	1.75	0.68
1:A:120:THR:HG22	1:A:121:HIS:ND1	2.09	0.68
1:B:11:THR:HG22	1:B:42:MET:HG3	1.76	0.68
1:B:170:VAL:HG12	1:B:221:ILE:HD13	1.77	0.67
1:A:216:ASN:HD22	1:A:216:ASN:N	1.91	0.67
1:B:216:ASN:H	1:B:216:ASN:HD22	1.47	0.62
1:A:216:ASN:HD22	1:A:216:ASN:H	1.47	0.61
1:A:4:ILE:HD13	1:A:215:SER:HB3	1.84	0.60
1:B:4:ILE:HD13	1:B:215:SER:HB3	1.84	0.58
1:A:123:THR:HG22	1:A:124:ASN:N	2.19	0.57
1:A:90:ARG:NH1	1:A:217:ILE:HG23	2.21	0.56
1:B:126:LEU:HD23	1:B:179:VAL:HG22	1.87	0.56
1:B:90:ARG:NH1	1:B:217:ILE:HG23	2.22	0.55
1:A:216:ASN:ND2	1:A:216:ASN:N	2.51	0.55
1:A:100:TYR:HB2	1:A:207:ALA:HB3	1.89	0.55
1:A:126:LEU:HD23	1:A:179:VAL:HG22	1.87	0.55
1:A:25:ILE:HG21	1:A:65:VAL:HG21	1.87	0.55
1:B:123:THR:HG22	1:B:124:ASN:N	2.21	0.54
1:A:12:TYR:HD2	1:A:14:ASN:HD21	1.56	0.54
1:B:100:TYR:HB2	1:B:207:ALA:HB3	1.90	0.53
1:B:12:TYR:HD2	1:B:14:ASN:HD21	1.56	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:28:ASP:HB3	1:B:31:SER:O	2.08	0.53
1:A:28:ASP:HB3	1:A:31:SER:O	2.09	0.52
1:B:25:ILE:HG21	1:B:65:VAL:HG21	1.91	0.51
1:B:110:SER:HB3	1:B:129:MET:HG3	1.93	0.51
1:B:71:ASP:HB2	4:B:1047:HOH:O	2.10	0.50
1:A:17:ILE:O	1:A:33:ARG:HG2	2.10	0.50
1:A:110:SER:HB3	1:A:129:MET:HG3	1.93	0.50
1:B:44:ASN:ND2	1:B:201:SER:H	2.03	0.50
1:A:44:ASN:ND2	1:A:201:SER:H	2.03	0.49
1:A:102:GLU:HG2	1:A:207:ALA:O	2.13	0.49
1:A:183:GLU:HG2	1:A:184:SER:N	2.28	0.48
1:A:123:THR:HG22	1:A:124:ASN:O	2.13	0.48
1:A:8:GLU:OE1	1:A:10:ASP:HB2	2.12	0.48
1:A:131:ASN:HB2	1:B:123:THR:O	2.13	0.48
1:A:235:ASP:OD1	1:A:237:ASN:HB2	2.13	0.48
1:B:8:GLU:OE1	1:B:10:ASP:HB2	2.13	0.48
1:B:160:SER:HB2	1:B:166:GLN:HE21	1.79	0.48
1:B:183:GLU:HG2	1:B:184:SER:N	2.28	0.48
1:B:123:THR:HG22	1:B:124:ASN:O	2.14	0.48
1:B:235:ASP:OD1	1:B:237:ASN:HB2	2.15	0.47
1:B:102:GLU:HG2	1:B:207:ALA:O	2.16	0.46
1:A:53:ILE:HG22	1:A:192:GLU:HB2	1.97	0.45
1:B:207:ALA:HA	1:B:208:ASP:HA	1.74	0.45
1:B:17:ILE:O	1:B:33:ARG:HG2	2.16	0.45
1:A:123:THR:O	1:B:131:ASN:HB2	2.16	0.45
1:A:207:ALA:HB1	1:A:208:ASP:OD1	2.16	0.45
1:B:237:ASN:HA	1:B:237:ASN:HD22	1.60	0.45
1:B:160:SER:HB2	1:B:166:GLN:NE2	2.31	0.45
1:A:127:HIS:HB3	1:B:127:HIS:HB3	1.99	0.45
1:B:139:ASP:O	1:B:176:TYR:HB2	2.18	0.44
1:B:207:ALA:HB1	1:B:208:ASP:OD1	2.17	0.44
1:B:3:THR:HG21	1:B:84:VAL:O	2.18	0.44
1:B:12:TYR:HA	1:B:13:PRO:HD3	1.81	0.44
1:A:139:ASP:O	1:A:176:TYR:HB2	2.18	0.43
1:B:53:ILE:HG22	1:B:192:GLU:HB2	1.99	0.43
1:A:12:TYR:HA	1:A:13:PRO:HD3	1.81	0.43
1:B:90:ARG:NH2	1:B:176:TYR:O	2.50	0.43
1:A:126:LEU:CD2	1:A:179:VAL:HG22	2.48	0.43
1:B:185:SER:HB2	4:B:1009:HOH:O	2.19	0.43
1:A:207:ALA:HA	1:A:208:ASP:HA	1.75	0.43
1:A:160:SER:HB2	1:A:166:GLN:HE21	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:90:ARG:NH2	1:A:176:TYR:O	2.50	0.42
1:B:44:ASN:HD21	1:B:201:SER:N	2.07	0.42
1:A:156:LEU:N	4:A:1018:HOH:O	2.51	0.42
1:B:119:SER:O	1:B:120:THR:O	2.38	0.42
1:A:237:ASN:HD22	1:A:237:ASN:HA	1.60	0.42
1:A:119:SER:O	1:A:120:THR:O	2.38	0.42
1:A:3:THR:HG21	1:A:84:VAL:O	2.20	0.42
1:B:126:LEU:CD2	1:B:179:VAL:HG22	2.48	0.41
1:B:14:ASN:H	1:B:19:ASP:CB	2.33	0.41
1:B:210:ILE:HG22	1:B:211:ALA:N	2.35	0.41
1:A:156:LEU:O	1:A:171:GLY:HA3	2.20	0.41
1:B:101:LYS:N	1:B:101:LYS:HD3	2.35	0.41
1:B:44:ASN:ND2	1:B:200:LYS:HA	2.36	0.41
1:A:123:THR:CG2	1:A:124:ASN:H	2.27	0.41
1:A:14:ASN:H	1:A:19:ASP:CB	2.34	0.41
1:A:177:ALA:HB2	1:B:177:ALA:HB2	2.02	0.41
1:A:44:ASN:ND2	1:A:200:LYS:HA	2.36	0.41
1:B:123:THR:CG2	1:B:124:ASN:H	2.28	0.41
1:A:160:SER:HB2	1:A:166:GLN:NE2	2.35	0.41
1:A:44:ASN:HD21	1:A:201:SER:N	2.06	0.41
1:B:117:SER:HB3	1:B:118:ASN:H	1.56	0.41
1:A:12:TYR:HD2	1:A:14:ASN:ND2	2.19	0.40
1:A:17:ILE:HD13	1:A:228:ARG:HD3	2.02	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	235/237 (99%)	207 (88%)	25 (11%)	3 (1%)	15	21
1	B	235/237 (99%)	207 (88%)	24 (10%)	4 (2%)	11	14

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
All	All	470/474 (99%)	414 (88%)	49 (10%)	7 (2%)	13	17

All (7) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	118	ASN
1	A	120	THR
1	B	118	ASN
1	B	120	THR
1	A	21	SER
1	B	21	SER
1	B	230	LEU

### 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	202/203 (100%)	187 (93%)	15 (7%)	17	26
1	B	203/203 (100%)	188 (93%)	15 (7%)	17	26
All	All	405/406 (100%)	375 (93%)	30 (7%)	17	26

All (30) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	2	ASP
1	A	15	THR
1	A	34	SER
1	A	44	ASN
1	A	71	ASP
1	A	83	ASN
1	A	101	LYS
1	A	120	THR
1	A	122	GLU
1	A	135	LYS
1	A	158	ARG

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Mol	Chain	Res	Type
1	A	201	SER
1	A	205	HIS
1	A	216	ASN
1	A	237	ASN
1	B	2	ASP
1	B	15	THR
1	B	34	SER
1	B	44	ASN
1	B	71	ASP
1	B	83	ASN
1	B	101	LYS
1	B	120	THR
1	B	122	GLU
1	B	135	LYS
1	B	158	ARG
1	B	201	SER
1	B	205	HIS
1	B	216	ASN
1	B	237	ASN

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (9) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	43	GLN
1	A	44	ASN
1	A	216	ASN
1	A	237	ASN
1	B	14	ASN
1	B	43	GLN
1	B	44	ASN
1	B	216	ASN
1	B	237	ASN

### 5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

## 5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

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

## 5.5 Carbohydrates

There are no carbohydrates in this entry.

## 5.6 Ligand geometry

Of 6 ligands modelled in this entry, 6 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 ⓘ

### 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	237/237 (100%)	0.50	33 (13%) 4 4	18, 47, 93, 100	0
1	B	237/237 (100%)	0.13	13 (5%) 29 29	17, 42, 90, 100	0
All	All	474/474 (100%)	0.32	46 (9%) 10 9	17, 46, 92, 100	0

All (46) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	120	THR	10.0
1	A	118	ASN	7.6
1	B	1	ALA	7.0
1	B	118	ASN	6.7
1	A	204	SER	6.3
1	B	204	SER	6.2
1	B	121	HIS	6.0
1	A	120	THR	5.5
1	A	98	GLY	5.5
1	A	122	GLU	5.4
1	A	69	ASN	5.4
1	B	162	ASN	5.2
1	A	161	SER	5.1
1	A	163	GLY	4.8
1	B	119	SER	4.8
1	A	99	LEU	4.7
1	A	121	HIS	4.5
1	A	162	ASN	4.5
1	B	122	GLU	3.9
1	B	163	GLY	3.6
1	A	119	SER	3.6
1	A	100	TYR	3.5
1	B	161	SER	3.2
1	A	203	ASP	3.1

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Mol	Chain	Res	Type	RSRZ
1	A	164	SER	3.0
1	B	158	ARG	2.9
1	A	1	ALA	2.9
1	A	12	TYR	2.8
1	A	202	PRO	2.8
1	A	97	THR	2.8
1	A	70	ALA	2.8
1	A	235	ASP	2.6
1	A	201	SER	2.5
1	A	160	SER	2.5
1	A	33	ARG	2.5
1	A	16	ASP	2.4
1	A	158	ARG	2.4
1	A	45	GLY	2.4
1	A	168	SER	2.4
1	A	68	PRO	2.2
1	A	22	TYR	2.1
1	B	205	HIS	2.1
1	A	236	ALA	2.1
1	A	224	GLY	2.1
1	A	185	SER	2.1
1	B	21	SER	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 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
3	CA	B	1004	1/1	0.76	0.14	-1.15	54,54,54,54	0
3	CA	A	1003	1/1	0.80	0.15	-1.81	76,76,76,76	0
2	ZN	B	1002	1/1	0.98	0.12	-2.17	47,47,47,47	0
2	ZN	A	1005	1/1	0.97	0.06	-2.35	63,63,63,63	0
2	ZN	A	1001	1/1	0.94	0.09	-2.59	62,62,62,62	0
2	ZN	B	1006	1/1	0.96	0.05	-	49,49,49,49	0

## 6.5 Other polymers [i](#)

There are no such residues in this entry.