



Full wwPDB X-ray Structure Validation Report ⓘ

May 29, 2020 – 06:54 am BST

PDB ID : 5F2Q
Title : C-type lectin from Bothrops jararacussu
Authors : de Padua, R.A.P.; Pinheiro, M.P.; Sartim, M.A.; Sampaio, S.V.; Nonato, M.C.
Deposited on : 2015-12-02
Resolution : 2.95 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

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity	:	4.02b-467
Xtriage (Phenix)	:	1.13
EDS	:	2.11
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)	:	2.11

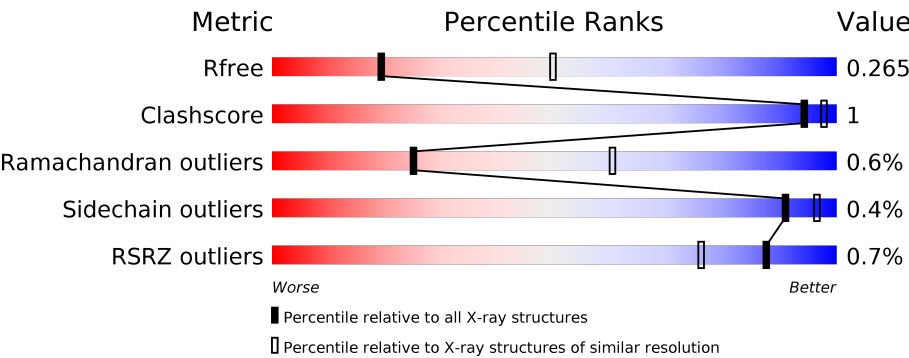
1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.95 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}	130704	3104 (3.00-2.92)
Clashscore	141614	3462 (3.00-2.92)
Ramachandran outliers	138981	3340 (3.00-2.92)
Sidechain outliers	138945	3343 (3.00-2.92)
RSRZ outliers	127900	2986 (3.00-2.92)

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 ≥ 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	135	<div> <div>99%</div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>
1	B	135	<div> <div>%</div> <div>95%</div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>
1	C	135	<div> <div>96%</div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>
1	D	135	<div> <div>%</div> <div>95%</div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>
1	E	135	<div> <div>97%</div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>
1	F	135	<div> <div>%</div> <div>98%</div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div>

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Mol	Chain	Length	Quality of chain
1	G	135	<div><div>%</div><div><div></div><div>96%</div><div></div></div><div><div></div><div></div><div></div></div></div>
1	H	135	<div><div>3%</div><div><div></div><div>92%</div><div></div></div><div><div></div><div></div><div>5%</div><div></div></div></div>
1	I	135	<div><div></div><div><div></div><div>96%</div><div></div></div><div><div></div><div></div><div></div></div></div>
1	J	135	<div><div>%</div><div><div></div><div>93%</div><div></div></div><div><div></div><div></div><div>6%</div><div></div></div></div>

2 Entry composition [i](#)

There are 4 unique types of molecules in this entry. The entry contains 21726 atoms, of which 10423 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 C-type lectin BJcuL.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
1	A	134	Total	C	H	N	O	S	0	0	0
			2154	716	1032	185	209	12			
1	B	135	Total	C	H	N	O	S	0	0	0
			2170	720	1040	187	211	12			
1	C	135	Total	C	H	N	O	S	0	0	0
			2173	720	1043	187	211	12			
1	D	134	Total	C	H	N	O	S	0	0	0
			2155	716	1033	185	209	12			
1	E	135	Total	C	H	N	O	S	0	0	0
			2173	720	1043	187	211	12			
1	F	134	Total	C	H	N	O	S	0	0	0
			2154	716	1032	185	209	12			
1	G	134	Total	C	H	N	O	S	0	0	0
			2152	716	1030	185	209	12			
1	H	134	Total	C	H	N	O	S	0	0	0
			2156	716	1034	185	209	12			
1	I	135	Total	C	H	N	O	S	0	0	0
			2170	720	1040	187	211	12			
1	J	134	Total	C	H	N	O	S	0	0	0
			2156	716	1034	185	209	12			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	G	1	Total	Ca	0	0
			1	1		
2	J	1	Total	Ca	0	0
			1	1		
2	D	1	Total	Ca	0	0
			1	1		
2	E	1	Total	Ca	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	H	1	Total	Ca	0	0
			1	1		
2	B	1	Total	Ca	0	0
			1	1		
2	I	1	Total	Ca	0	0
			1	1		
2	C	1	Total	Ca	0	0
			1	1		
2	A	1	Total	Ca	0	0
			1	1		
2	F	1	Total	Ca	0	0
			1	1		

- Molecule 3 is SODIUM ION (three-letter code: NA) (formula: Na).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	G	1	Total	Na	0	0
			1	1		
3	J	1	Total	Na	0	0
			1	1		
3	D	1	Total	Na	0	0
			1	1		
3	E	1	Total	Na	0	0
			1	1		
3	H	1	Total	Na	0	0
			1	1		
3	B	1	Total	Na	0	0
			1	1		
3	I	1	Total	Na	0	0
			1	1		
3	C	1	Total	Na	0	0
			1	1		
3	A	1	Total	Na	0	0
			1	1		
3	F	1	Total	Na	0	0
			1	1		

- Molecule 4 is water.

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	A	3	Total	H	O	0	0
			9	6	3		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	B	3	Total	H	O	0	0
			9	6	3		
4	C	1	Total	H	O	0	0
			3	2	1		
4	D	2	Total	H	O	0	0
			6	4	2		
4	E	10	Total	H	O	0	0
			30	20	10		
4	F	3	Total	H	O	0	0
			9	6	3		
4	G	3	Total	H	O	0	0
			9	6	3		
4	H	2	Total	H	O	0	0
			6	4	2		
4	I	1	Total	H	O	0	0
			3	2	1		
4	J	3	Total	H	O	0	0
			9	6	3		

3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA and DNA 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.

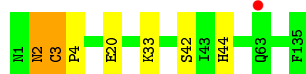
- Molecule 1: C-type lectin BJcuL

Chain A:  99%



- Molecule 1: C-type lectin BJcuL

Chain B:  95%



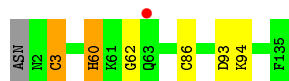
- Molecule 1: C-type lectin BJcuL

Chain C:  96%



- Molecule 1: C-type lectin BJcuL

Chain D:  95%



- Molecule 1: C-type lectin BJcuL

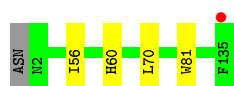
Chain E:  97%



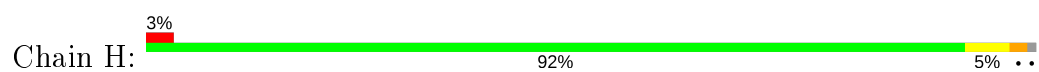
- Molecule 1: C-type lectin BJcuL



- Molecule 1: C-type lectin BJcuL



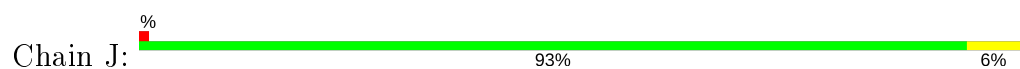
- Molecule 1: C-type lectin BJcuL



- Molecule 1: C-type lectin BJcuL



- Molecule 1: C-type lectin BJcuL



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	91.25Å 115.15Å 156.79Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	42.42 – 2.95 42.42 – 2.95	Depositor EDS
% Data completeness (in resolution range)	99.8 (42.42-2.95) 99.8 (42.42-2.95)	Depositor EDS
R_{merge}	0.06	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.41 (at 2.95Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.204 , 0.265 0.205 , 0.265	Depositor DCC
R_{free} test set	1774 reflections (5.01%)	wwPDB-VP
Wilson B-factor (Å ²)	56.5	Xtriage
Anisotropy	0.062	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 16.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.91	EDS
Total number of atoms	21726	wwPDB-VP
Average B, all atoms (Å ²)	55.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 7.01% 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 ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: NA, 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	0.26	0/1158	0.45	0/1565
1	B	0.27	0/1166	0.44	0/1576
1	C	0.27	0/1166	0.46	0/1576
1	D	0.27	0/1158	0.46	0/1565
1	E	0.27	0/1166	0.47	0/1576
1	F	0.29	0/1158	0.46	0/1565
1	G	0.27	0/1158	0.46	0/1565
1	H	0.26	0/1158	0.46	0/1565
1	I	0.27	0/1166	0.45	0/1576
1	J	0.27	0/1158	0.46	0/1565
All	All	0.27	0/11612	0.46	0/15694

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 ⓘ

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	1122	1032	1030	0	0
1	B	1130	1040	1040	4	0
1	C	1130	1043	1041	4	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	D	1122	1033	1032	2	0
1	E	1130	1043	1040	3	0
1	F	1122	1032	1032	2	0
1	G	1122	1030	1030	2	0
1	H	1122	1034	1033	8	0
1	I	1130	1040	1040	4	0
1	J	1122	1034	1033	4	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
2	C	1	0	0	0	0
2	D	1	0	0	0	0
2	E	1	0	0	0	0
2	F	1	0	0	0	0
2	G	1	0	0	0	0
2	H	1	0	0	0	0
2	I	1	0	0	0	0
2	J	1	0	0	0	0
3	A	1	0	0	0	0
3	B	1	0	0	0	0
3	C	1	0	0	0	0
3	D	1	0	0	0	0
3	E	1	0	0	0	0
3	F	1	0	0	0	0
3	G	1	0	0	0	0
3	H	1	0	0	0	0
3	I	1	0	0	0	0
3	J	1	0	0	0	0
4	A	3	6	0	0	0
4	B	3	6	0	0	0
4	C	1	2	0	0	0
4	D	2	4	0	0	0
4	E	10	20	0	0	0
4	F	3	6	0	0	0
4	G	3	6	0	0	0
4	H	2	4	0	0	0
4	I	1	2	0	0	0
4	J	3	6	0	0	0
All	All	11303	10423	10351	29	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 1.

All (29) 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:F:124:GLU:N	1:F:124:GLU:OE1	2.35	0.59
1:B:20:GLU:OE1	1:B:20:GLU:N	2.36	0.59
1:E:93:ASP:OD1	1:E:94:LYS:N	2.35	0.58
1:I:134:LYS:NZ	1:J:51:GLU:OE2	2.37	0.58
1:J:35:LYS:NZ	1:J:134:LYS:O	2.34	0.53
1:E:1:ASN:H3	1:E:2:ASN:HB3	1.73	0.52
1:H:100:TYR:O	1:H:102:ASN:N	2.44	0.51
1:D:60:HIS:NE2	1:D:62:GLY:O	2.46	0.49
1:G:70:LEU:HB2	1:G:81:TRP:CZ3	2.51	0.46
1:H:102:ASN:O	1:H:103:LYS:CB	2.64	0.45
1:F:2:ASN:ND2	1:F:2:ASN:O	2.45	0.45
1:G:56:ILE:O	1:G:60:HIS:N	2.49	0.45
1:H:103:LYS:O	1:H:122:VAL:HA	2.17	0.44
1:H:102:ASN:O	1:H:103:LYS:HB2	2.18	0.44
1:E:1:ASN:N	1:E:2:ASN:C	2.71	0.44
1:J:102:ASN:OD1	1:J:103:LYS:N	2.50	0.44
1:C:74:LYS:NZ	1:H:78:SER:OG	2.46	0.44
1:D:93:ASP:OD1	1:D:94:LYS:N	2.48	0.44
1:B:2:ASN:O	1:B:3:CYS:HB2	2.18	0.44
1:B:33:LYS:NZ	1:C:58:ASP:O	2.50	0.43
1:H:100:TYR:O	1:H:101:GLN:C	2.56	0.43
1:I:108:GLU:OE1	1:I:127:ASN:ND2	2.51	0.43
1:H:84:ARG:NH2	1:I:51:GLU:OE1	2.52	0.42
1:C:93:ASP:HB2	1:C:118:TRP:O	2.21	0.41
1:I:106:CYS:O	1:I:121:GLN:N	2.46	0.41
1:H:98:ASP:O	1:H:99:HIS:C	2.59	0.41
1:J:70:LEU:HB2	1:J:81:TRP:CZ3	2.56	0.41
1:C:4:PRO:HG2	1:C:7:TRP:CD1	2.56	0.41
1:B:42:SER:OG	1:B:44:HIS:NE2	2.51	0.41

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	132/135 (98%)	124 (94%)	8 (6%)	0	100	100
1	B	133/135 (98%)	119 (90%)	11 (8%)	3 (2%)	6	27
1	C	133/135 (98%)	123 (92%)	10 (8%)	0	100	100
1	D	132/135 (98%)	125 (95%)	6 (4%)	1 (1%)	19	53
1	E	133/135 (98%)	124 (93%)	9 (7%)	0	100	100
1	F	132/135 (98%)	127 (96%)	5 (4%)	0	100	100
1	G	132/135 (98%)	125 (95%)	7 (5%)	0	100	100
1	H	132/135 (98%)	119 (90%)	9 (7%)	4 (3%)	4	20
1	I	133/135 (98%)	129 (97%)	4 (3%)	0	100	100
1	J	132/135 (98%)	123 (93%)	9 (7%)	0	100	100
All	All	1324/1350 (98%)	1238 (94%)	78 (6%)	8 (1%)	25	60

All (8) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	3	CYS
1	H	101	GLN
1	B	2	ASN
1	H	99	HIS
1	H	103	LYS
1	B	4	PRO
1	D	3	CYS
1	H	91	SER

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	123/124 (99%)	123 (100%)	0	100	100
1	B	124/124 (100%)	124 (100%)	0	100	100
1	C	124/124 (100%)	124 (100%)	0	100	100
1	D	123/124 (99%)	120 (98%)	3 (2%)	49	77

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	E	124/124 (100%)	124 (100%)	0	100	100
1	F	123/124 (99%)	122 (99%)	1 (1%)	81	92
1	G	123/124 (99%)	123 (100%)	0	100	100
1	H	123/124 (99%)	123 (100%)	0	100	100
1	I	124/124 (100%)	124 (100%)	0	100	100
1	J	123/124 (99%)	122 (99%)	1 (1%)	81	92
All	All	1234/1240 (100%)	1229 (100%)	5 (0%)	91	96

All (5) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	D	3	CYS
1	D	60	HIS
1	D	86	CYS
1	F	2	ASN
1	J	60	HIS

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (4) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	19	ASN
1	A	60	HIS
1	H	99	HIS
1	I	60	HIS

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 20 ligands modelled in this entry, 20 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, 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	134/135 (99%)	0.03	0 100 100	36, 48, 64, 68	0
1	B	135/135 (100%)	0.04	1 (0%) 87 76	37, 44, 57, 68	0
1	C	135/135 (100%)	0.28	0 100 100	41, 56, 73, 80	0
1	D	134/135 (99%)	0.12	1 (0%) 87 76	39, 53, 68, 72	0
1	E	135/135 (100%)	0.10	0 100 100	37, 51, 67, 74	0
1	F	134/135 (99%)	0.11	1 (0%) 87 76	34, 48, 59, 71	0
1	G	134/135 (99%)	0.13	1 (0%) 87 76	33, 42, 57, 62	0
1	H	134/135 (99%)	0.23	4 (2%) 50 34	39, 53, 78, 90	0
1	I	135/135 (100%)	-0.02	0 100 100	36, 47, 57, 65	0
1	J	134/135 (99%)	0.13	2 (1%) 73 57	39, 51, 75, 88	0
All	All	1344/1350 (99%)	0.12	10 (0%) 87 76	33, 49, 69, 90	0

All (10) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	H	105	PHE	3.6
1	H	103	LYS	2.9
1	D	63	GLN	2.7
1	J	101	GLN	2.7
1	G	135	PHE	2.4
1	J	103	LYS	2.3
1	B	63	GLN	2.3
1	F	63	GLN	2.2
1	H	34	TYR	2.1
1	H	90	LEU	2.1

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. 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(\AA^2)	Q<0.9
3	NA	J	202	1/1	0.41	0.18	39,39,39,39	0
3	NA	D	202	1/1	0.64	0.25	44,44,44,44	0
3	NA	E	202	1/1	0.73	0.12	33,33,33,33	0
2	CA	J	201	1/1	0.82	0.11	71,71,71,71	0
3	NA	C	202	1/1	0.85	0.17	45,45,45,45	0
3	NA	H	202	1/1	0.87	0.20	40,40,40,40	0
3	NA	B	202	1/1	0.89	0.16	45,45,45,45	0
3	NA	A	202	1/1	0.90	0.13	42,42,42,42	0
3	NA	G	202	1/1	0.90	0.18	37,37,37,37	0
3	NA	I	202	1/1	0.92	0.16	32,32,32,32	0
2	CA	H	201	1/1	0.93	0.09	69,69,69,69	0
2	CA	C	201	1/1	0.94	0.15	69,69,69,69	0
2	CA	G	201	1/1	0.94	0.18	47,47,47,47	0
3	NA	F	202	1/1	0.96	0.14	38,38,38,38	0
2	CA	E	201	1/1	0.96	0.06	64,64,64,64	0
2	CA	B	201	1/1	0.96	0.23	45,45,45,45	0
2	CA	F	201	1/1	0.96	0.13	49,49,49,49	0
2	CA	I	201	1/1	0.96	0.20	48,48,48,48	0
2	CA	D	201	1/1	0.97	0.11	58,58,58,58	0
2	CA	A	201	1/1	0.98	0.22	49,49,49,49	0

6.5 Other polymers [i](#)

There are no such residues in this entry.