



Full wwPDB X-ray Structure Validation Report ⓘ

Feb 14, 2017 – 07:04 am GMT

PDB ID : 4X3N
Title : Crystal structure of 34 kDa F-actin bundling protein from Dictyostelium discoideum
Authors : Kim, M.-K.; Kim, J.-H.; Kim, J.-S.; Kang, S.-O.
Deposited on : 2014-12-01
Resolution : 1.89 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

<http://wwpdb.org/validation/2016/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
Mogul	:	1.7.2 (RC1), CSD as538be (2017)
Xtriage (Phenix)	:	1.9-1692
EDS	:	trunk28620
Percentile statistics	:	20161228.v01 (using entries in the PDB archive December 28th 2016)
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)	:	recalc28949

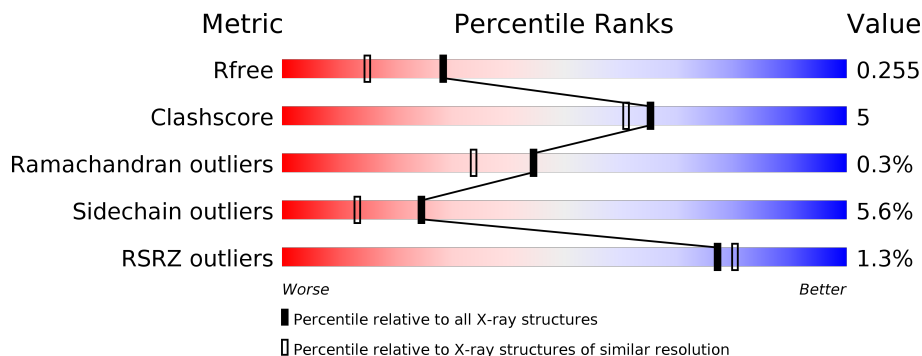
1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.89 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}	100719	5047 (1.90-1.90)
Clashscore	112137	5731 (1.90-1.90)
Ramachandran outliers	110173	5669 (1.90-1.90)
Sidechain outliers	110143	5670 (1.90-1.90)
RSRZ outliers	101464	5100 (1.90-1.90)

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. 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	295	<div> <div style="width: 100%; height: 10px; position: relative;"> <div style="position: absolute; top: -10px; left: 0; width: 100%; text-align: center;">%</div> <div style="position: absolute; top: 0; left: 0; width: 76%; height: 10px; background-color: green;"></div> <div style="position: absolute; top: 0; left: 76%; width: 8%; height: 10px; background-color: yellow;"></div> <div style="position: absolute; top: 0; left: 84%; width: 8%; height: 10px; background-color: orange;"></div> <div style="position: absolute; top: 0; left: 92%; width: 12%; height: 10px; background-color: grey;"></div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> 76% 8% • 12% </div> </div>
1	B	295	<div> <div style="width: 100%; height: 10px; position: relative;"> <div style="position: absolute; top: -10px; left: 0; width: 100%; text-align: center;">%</div> <div style="position: absolute; top: 0; left: 0; width: 77%; height: 10px; background-color: green;"></div> <div style="position: absolute; top: 0; left: 77%; width: 8%; height: 10px; background-color: yellow;"></div> <div style="position: absolute; top: 0; left: 85%; width: 8%; height: 10px; background-color: orange;"></div> <div style="position: absolute; top: 0; left: 93%; width: 14%; height: 10px; background-color: grey;"></div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> 77% 8% • 14% </div> </div>
1	C	295	<div> <div style="width: 100%; height: 10px; position: relative;"> <div style="position: absolute; top: -10px; left: 0; width: 100%; text-align: center;">%</div> <div style="position: absolute; top: 0; left: 0; width: 77%; height: 10px; background-color: green;"></div> <div style="position: absolute; top: 0; left: 77%; width: 8%; height: 10px; background-color: yellow;"></div> <div style="position: absolute; top: 0; left: 85%; width: 8%; height: 10px; background-color: orange;"></div> <div style="position: absolute; top: 0; left: 93%; width: 13%; height: 10px; background-color: grey;"></div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> 77% 8% • 13% </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
3	CIT	B	302	-	-	-	X

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 6681 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 Calcium-regulated actin-bundling protein.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	259	Total	C	N	O	S	0	0	0
			2104	1347	351	395	11			
1	B	255	Total	C	N	O	S	0	0	0
			2078	1330	347	390	11			
1	C	258	Total	C	N	O	S	0	0	0
			2100	1344	353	392	11			

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

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

- Molecule 3 is CITRIC ACID (three-letter code: CIT) (formula: C₆H₈O₇).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	B	1	Total	C	O	0	0
			13	6	7		

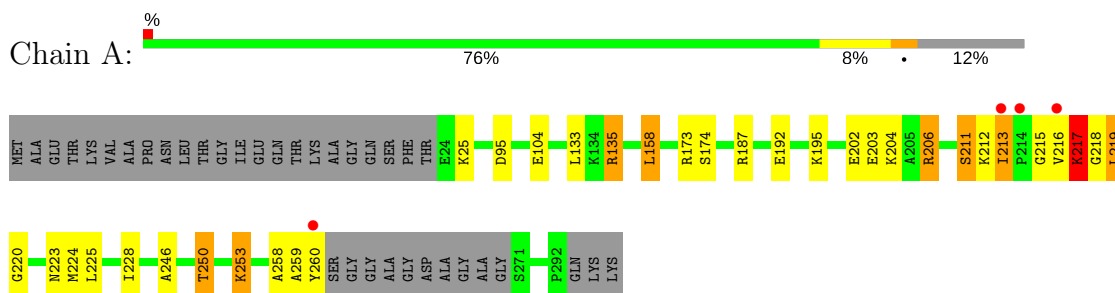
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	151	Total	O	0	0
			151	151		
4	B	124	Total	O	0	0
			124	124		
4	C	108	Total	O	0	0
			108	108		

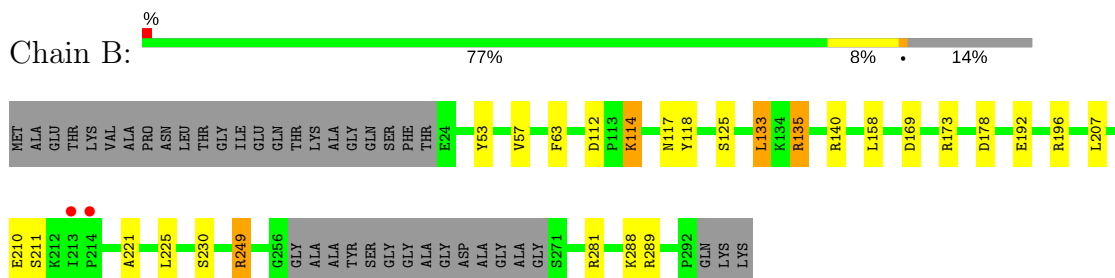
3 Residue-property plots

These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of 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.

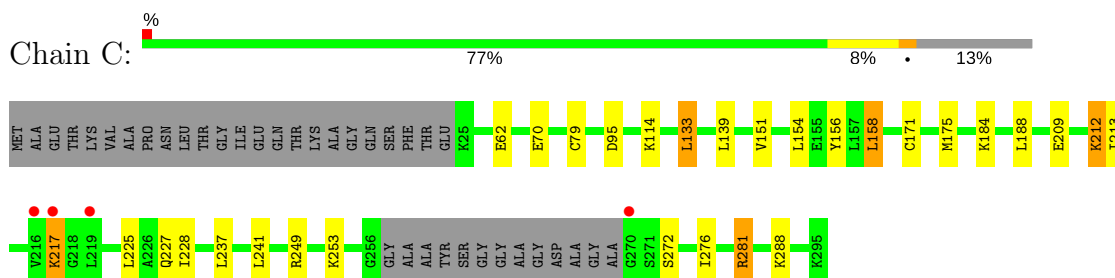
- Molecule 1: Calcium-regulated actin-bundling protein



- Molecule 1: Calcium-regulated actin-bundling protein



- Molecule 1: Calcium-regulated actin-bundling protein



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	78.16Å 85.24Å 135.74Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	72.19 – 1.89 39.16 – 1.89	Depositor EDS
% Data completeness (in resolution range)	99.2 (72.19-1.89) 99.2 (39.16-1.89)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.08	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.24 (at 1.89Å)	Xtriage
Refinement program	REFMAC 5.8.0073	Depositor
R, R_{free}	0.204 , 0.252 0.211 , 0.255	Depositor DCC
R_{free} test set	3640 reflections (5.31%)	DCC
Wilson B-factor (Å ²)	26.2	Xtriage
Anisotropy	0.272	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 40.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.46$, $\langle L^2 \rangle = 0.29$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	6681	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 4.12% 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: CA, CIT

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	0.91	1/2152 (0.0%)	0.91	5/2897 (0.2%)
1	B	0.82	0/2125	0.88	3/2860 (0.1%)
1	C	0.85	0/2147	0.88	2/2887 (0.1%)
All	All	0.86	1/6424 (0.0%)	0.89	10/8644 (0.1%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	174	SER	CB-OG	5.73	1.49	1.42

All (10) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	135	ARG	NE-CZ-NH2	-8.36	116.12	120.30
1	A	173	ARG	NE-CZ-NH1	7.22	123.91	120.30
1	A	95	ASP	CB-CG-OD1	6.71	124.34	118.30
1	A	135	ARG	NE-CZ-NH2	-5.73	117.44	120.30
1	C	95	ASP	CB-CG-OD1	5.49	123.24	118.30
1	A	158	LEU	CB-CG-CD1	5.45	120.27	111.00
1	C	249	ARG	NE-CZ-NH1	5.39	123.00	120.30
1	A	187	ARG	NE-CZ-NH1	5.30	122.95	120.30
1	B	140	ARG	CG-CD-NE	-5.09	101.12	111.80
1	B	281	ARG	NE-CZ-NH1	5.06	122.83	120.30

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	2104	0	2056	27	0
1	B	2078	0	2034	15	0
1	C	2100	0	2065	17	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
2	C	1	0	0	0	0
3	B	13	0	5	2	0
4	A	151	0	0	2	1
4	B	124	0	0	2	1
4	C	108	0	0	1	0
All	All	6681	0	6160	58	1

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 5.

All (58) 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:216:VAL:HA	1:A:217:LYS:HB3	1.20	1.17
1:A:217:LYS:HB2	1:A:219:LEU:H	1.26	0.99
1:A:216:VAL:HA	1:A:217:LYS:CB	1.97	0.94
1:A:217:LYS:HD3	1:A:219:LEU:HB3	1.54	0.89
1:A:217:LYS:HB2	1:A:219:LEU:N	1.91	0.85
1:A:216:VAL:CA	1:A:217:LYS:HB3	2.05	0.85
1:C:62:GLU:OE1	1:C:281:ARG:NH1	2.11	0.84
1:B:133:LEU:H	1:B:133:LEU:HD12	1.52	0.74
1:C:212:LYS:N	1:C:212:LYS:HE3	2.06	0.71
1:A:215:GLY:O	1:A:217:LYS:HB3	1.92	0.70
1:A:219:LEU:O	1:A:223:ASN:ND2	2.26	0.69
1:A:213:ILE:HG22	1:A:218:GLY:CA	2.23	0.68
1:B:133:LEU:HD12	1:B:133:LEU:N	2.09	0.67
1:A:220:GLY:O	1:A:224:MET:HG3	1.99	0.63
1:C:62:GLU:CD	1:C:281:ARG:NH1	2.53	0.60
1:C:212:LYS:CA	1:C:212:LYS:HE3	2.31	0.60
1:A:258:ALA:O	1:A:259:ALA:HB3	2.03	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:213:ILE:HG21	1:C:217:LYS:HG3	1.86	0.58
1:C:62:GLU:OE2	1:C:281:ARG:NH1	2.34	0.57
1:C:70:GLU:OE1	4:C:500:HOH:O	2.18	0.56
3:B:302:CIT:O7	3:B:302:CIT:O4	2.21	0.55
1:B:133:LEU:H	1:B:133:LEU:CD1	2.18	0.55
1:A:215:GLY:O	1:A:217:LYS:CB	2.55	0.55
3:B:302:CIT:O7	3:B:302:CIT:O1	2.22	0.55
1:A:213:ILE:HG22	1:A:218:GLY:HA3	1.88	0.54
1:C:184:LYS:HE3	1:C:188:LEU:HD11	1.90	0.54
1:C:139:LEU:HD22	1:C:151:VAL:HG21	1.90	0.54
1:A:192:GLU:OE1	1:A:195:LYS:HE3	2.08	0.53
1:B:249:ARG:NH1	4:B:401:HOH:O	2.40	0.52
1:A:203:GLU:CD	1:A:206:ARG:HH21	2.12	0.52
1:A:213:ILE:HG22	1:A:218:GLY:HA2	1.93	0.49
1:A:258:ALA:O	1:A:259:ALA:CB	2.61	0.49
1:C:62:GLU:CD	1:C:281:ARG:HH12	2.12	0.48
1:C:237:LEU:O	1:C:237:LEU:HD12	2.13	0.48
1:A:216:VAL:HG23	1:A:216:VAL:O	2.14	0.48
1:C:209:GLU:O	1:C:212:LYS:HB2	2.14	0.47
1:A:204:LYS:HG3	1:A:228:ILE:HD13	1.96	0.47
1:A:133:LEU:HD11	1:B:133:LEU:HD21	1.95	0.46
1:A:253:LYS:HD2	1:A:260:TYR:C	2.35	0.46
1:B:53:TYR:O	1:B:57:VAL:HG12	2.16	0.45
1:C:154:LEU:HG	1:C:158:LEU:HD22	1.99	0.45
1:A:202:GLU:OE1	4:A:507:HOH:O	2.21	0.45
1:A:203:GLU:OE2	1:A:206:ARG:NH2	2.46	0.45
1:C:212:LYS:CE	1:C:212:LYS:CA	2.95	0.45
1:B:169:ASP:O	1:B:173:ARG:HG3	2.18	0.44
1:B:207:LEU:HB3	1:B:225:LEU:HG	2.00	0.43
1:A:246:ALA:O	1:A:250:THR:HG23	2.19	0.43
1:B:192:GLU:OE2	1:B:196:ARG:NH2	2.49	0.43
1:A:104:GLU:OE1	4:A:543:HOH:O	2.22	0.43
1:B:63:PHE:CD1	1:B:125:SER:HB3	2.55	0.42
1:A:133:LEU:CD1	1:B:133:LEU:HD21	2.50	0.42
1:B:133:LEU:HD23	1:C:133:LEU:HD11	2.02	0.41
1:B:118:TYR:OH	4:B:453:HOH:O	2.22	0.41
1:C:171:CYS:O	1:C:175:MET:HG3	2.21	0.41
1:A:213:ILE:HA	1:A:213:ILE:HD12	1.87	0.41
1:C:272:SER:O	1:C:276:ILE:HG12	2.21	0.40
1:B:112:ASP:OD1	1:B:114:LYS:HD2	2.21	0.40
1:B:210:GLU:OE2	1:B:221:ALA:HB2	2.22	0.40

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:A:416:HOH:O	4:B:405:HOH:O[3_544]	2.05	0.15

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	255/295 (86%)	244 (96%)	9 (4%)	2 (1%)	22	11
1	B	251/295 (85%)	247 (98%)	4 (2%)	0	100	100
1	C	254/295 (86%)	250 (98%)	4 (2%)	0	100	100
All	All	760/885 (86%)	741 (98%)	17 (2%)	2 (0%)	44	34

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	217	LYS
1	A	211	SER

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	219/242 (90%)	207 (94%)	12 (6%)	25	14
1	B	218/242 (90%)	207 (95%)	11 (5%)	28	17

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	C	220/242 (91%)	206 (94%)	14 (6%)	20	10
All	All	657/726 (90%)	620 (94%)	37 (6%)	25	13

All (37) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	25	LYS
1	A	135	ARG
1	A	158	LEU
1	A	206	ARG
1	A	211	SER
1	A	212	LYS
1	A	213	ILE
1	A	217	LYS
1	A	219	LEU
1	A	225	LEU
1	A	250	THR
1	A	253	LYS
1	B	114	LYS
1	B	117	ASN
1	B	133	LEU
1	B	135	ARG
1	B	158	LEU
1	B	178	ASP
1	B	211	SER
1	B	230	SER
1	B	249	ARG
1	B	288	LYS
1	B	289	ARG
1	C	79	CYS
1	C	114	LYS
1	C	133	LEU
1	C	156	TYR
1	C	158	LEU
1	C	212	LYS
1	C	217	LYS
1	C	225	LEU
1	C	227	GLN
1	C	228	ILE
1	C	241	LEU
1	C	253	LYS
1	C	281	ARG

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Mol	Chain	Res	Type
1	C	288	LYS

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (2) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	223	ASN
1	C	128	GLN

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 [i](#)

Of 4 ligands modelled in this entry, 3 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	$\# Z > 2$
3	CIT	B	302	-	3,12,12	2.88	1 (33%)	3,17,17	0.69	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
3	CIT	B	302	-	-	0/6/16/16	0/0/0/0

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	B	302	CIT	O7-C3	4.92	1.50	1.43

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

1 monomer is involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	B	302	CIT	2	0

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, 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	259/295 (87%)	-0.06	4 (1%) 74 77	18, 29, 61, 108	0
1	B	255/295 (86%)	-0.09	2 (0%) 86 87	19, 33, 55, 68	0
1	C	258/295 (87%)	-0.04	4 (1%) 72 75	20, 35, 55, 78	0
All	All	772/885 (87%)	-0.07	10 (1%) 77 80	18, 33, 58, 108	0

All (10) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	216	VAL	9.8
1	C	270	GLY	4.7
1	B	214	PRO	3.1
1	C	217	LYS	2.6
1	C	216	VAL	2.4
1	A	213	ILE	2.4
1	B	213	ILE	2.2
1	C	219	LEU	2.2
1	A	214	PRO	2.1
1	A	260	TYR	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. 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, 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	LLDF	B-factors(Å ²)	Q<0.9
3	CIT	B	302	13/13	0.83	0.15	2.56	37,51,58,58	0
2	CA	B	301	1/1	1.00	0.07	-2.23	30,30,30,30	0
2	CA	A	301	1/1	1.00	0.06	-2.43	25,25,25,25	0
2	CA	C	301	1/1	0.99	0.06	-3.60	30,30,30,30	0

6.5 Other polymers [i](#)

There are no such residues in this entry.