



wwPDB X-ray Structure Validation Summary Report

Feb 27, 2014 – 01:07 AM GMT

PDB ID : 3W3D
Title : Crystal structure of smooth muscle G actin DNase I complex
Authors : Sakabe, N.; Sakabe, K.; Sasaki, K.; Kondo, H.; Shimomur, M.
Deposited on : 2012-12-20
Resolution : 1.80 Å(reported)

This is a wwPDB validation summary 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/ValidationPDFNotes.html>

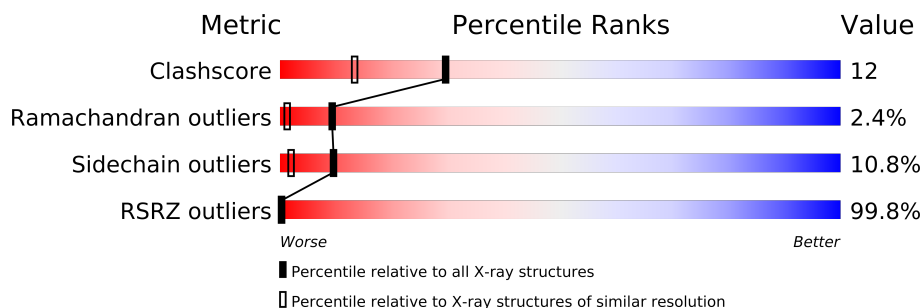
The following versions of software and data (see [references](#)) were used in the production of this report:

MolProbity	:	4.02b-467
Mogul	:	1.15 2013
Xtriage (Phenix)	:	dev-1323
EDS	:	stable22639
Percentile statistics	:	21963
Refmac	:	5.8.0049
CCP4	:	6.3.0 (Settle)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et. al. (1996)
Validation Pipeline (wwPDB-VP)	:	stable22683

1 Overall quality at a glance

The reported resolution of this entry is 1.80 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	79885	4461 (1.80-1.80)
Ramachandran outliers	78287	4404 (1.80-1.80)
Sidechain outliers	78261	4403 (1.80-1.80)
RSRZ outliers	66119	3515 (1.80-1.80)

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. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density.

Mol	Chain	Length	Quality of chain
1	A	374	
2	B	260	

The following table lists non-polymeric compounds that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Geometry	Electron density
3	ATP	A	401	-	X
4	CA	B	308	-	X

2 Entry composition i

There are 6 unique types of molecules in this entry. The entry contains 5472 atoms, of which 0 are hydrogen and 0 are deuterium.

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 Actin, gamma-enteric smooth muscle.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	374	2924	1849	492	562	21	0	0	0

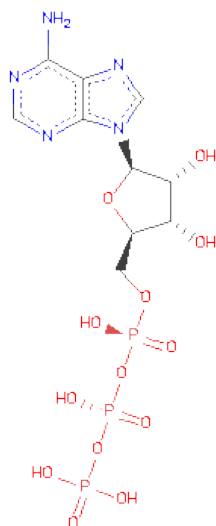
There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	359	GLN	PRO	CONFLICT	UNP P63270

- Molecule 2 is a protein called Deoxyribonuclease-1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	B	260	2049	1298	341	402	8	0	0	0

- Molecule 3 is ADENOSINE-5'-TRIPHOSPHATE (three-letter code: ATP) (formula: $C_{10}H_{16}N_5O_{13}P_3$).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
3	A	1	Total	C	N	O	P	0	0
			31	10	5	13	3		

- Molecule 4 is CALCIUM ION (three-letter code: CA) (formula: Ca).

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

- Molecule 5 is a polymer of unknown type called SUGAR (7-MER).

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
5	B	7	Total	C	N	O	0	0
			83	46	2	35		

- Molecule 6 is water.

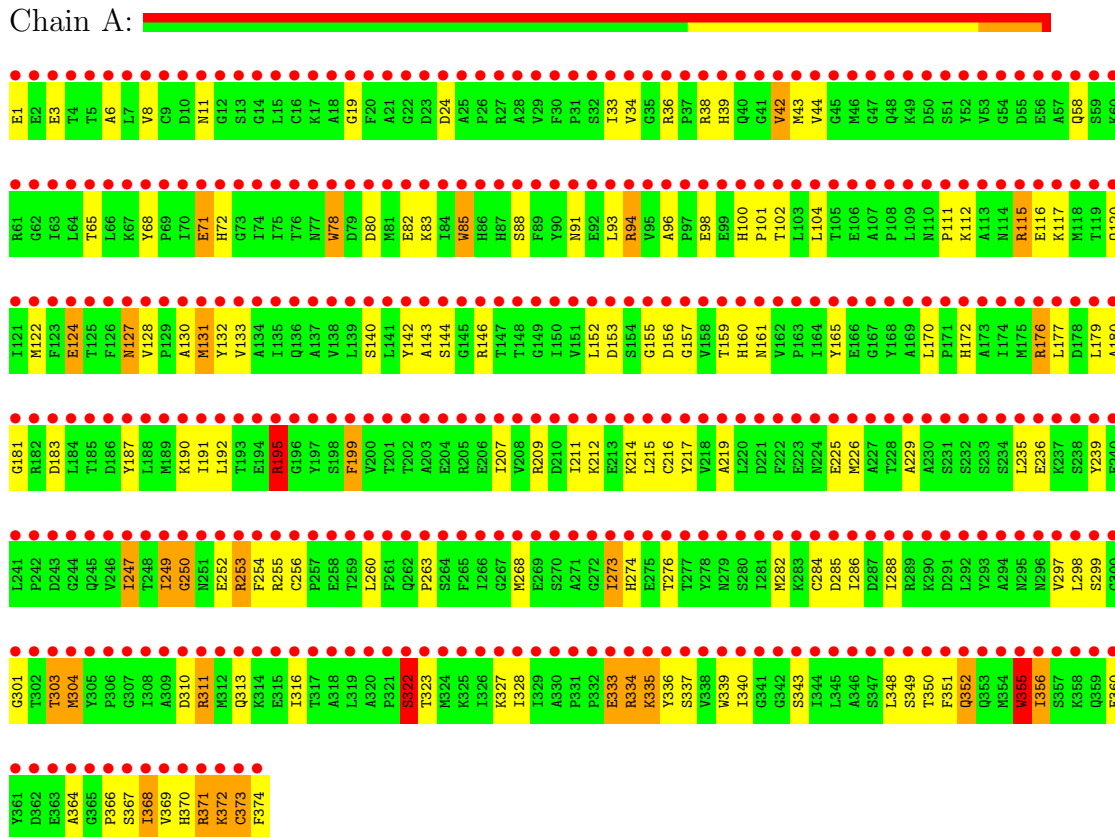
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	A	195	Total	O	0	0
			195	195		
6	B	188	Total	O	0	0
			188	188		

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.

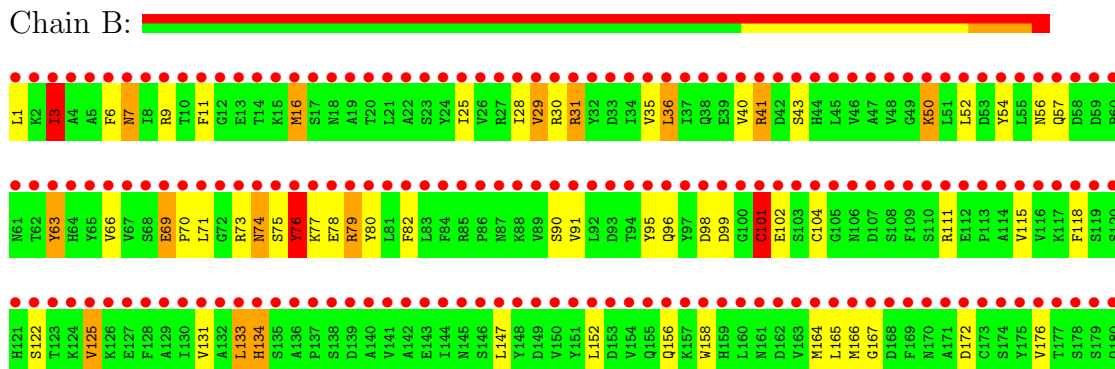
- Molecule 1: Actin, gamma-enteric smooth muscle

Chain A:



- Molecule 2: Deoxyribonuclease-1

Chain B:



W181	●
S182	●
S183	●
I184	●
R185	●
L186	●
R187	●
T188	●
S189	●
S190	●
T191	●
F192	●
Q193	●
W194	●
L195	●
I196	●
P197	●
D198	●
S199	●
A200	●
D201	●
T202	●
T203	●
A204	●
T205	●
S206	●
T207	●
N208	●
C209	●
A210	●
Y211	●
D212	●
R213	●
I214	●
V215	●
V216	●
A217	●
G218	●
S219	●
L220	●
L221	●
Q222	●
S223	●
S224	●
V225	●
V226	●
P227	●
G228	●
S229	●
A230	●
A231	●
F232	●
F233	●
D234	●
F235	●
Q236	●
A237	●
A238	●
Y239	●
G240	●

L241	●
S242	●
N243	●
E244	●
N245	●
A246	●
L247	●
A248	●
I249	●
S250	●
D251	●
H252	●
Y253	●
P254	●
V255	●
E256	●
V257	●
T258	●
I259	●
T260	●

4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	42.00Å 225.30Å 77.40Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	10.00 – 1.80 10.00 – 1.80	Depositor EDS
% Data completeness (in resolution range)	(Not available) (10.00-1.80) 77.6 (10.00-1.80)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.60 (at 1.80Å)	Xtriage
Refinement program	X-PLOR	Depositor
R, R_{free}	0.196 , (Not available) 0.198 , (Not available)	Depositor DCC
R_{free} test set	No test flags present.	DCC
Wilson B-factor (Å ²)	13.1	Xtriage
Anisotropy	0.455	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.07 , 18.9	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Outliers	0 of 53428 reflections	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	5472	wwPDB-VP
Average B, all atoms (Å ²)	31.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.98% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: BMA, NAG, CA, HIC, ATP, 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	0.85	0/2974	1.57	42/4025 (1.0%)
2	B	0.95	1/2095 (0.0%)	1.79	42/2853 (1.5%)
All	All	0.89	1/5069 (0.0%)	1.67	84/6878 (1.2%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	158	TRP	CG-CD2	-5.25	1.34	1.43

The worst 5 of 84 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	31	ARG	NE-CZ-NH2	12.75	126.68	120.30
2	B	79	ARG	NE-CZ-NH2	11.57	126.08	120.30
2	B	95	TYR	CB-CG-CD1	-11.03	114.38	121.00
2	B	9	ARG	NE-CZ-NH1	-10.31	115.14	120.30
1	A	311	ARG	NE-CZ-NH1	-10.10	115.25	120.30

There are no chirality outliers.

There are no planarity outliers.

5.2 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 hydrogens added by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, and the number in parentheses is this value normalized per 1000 atoms of the molecule in the chain. The Symm-Clashes column gives symmetry related clashes, in the same way as for the Clashes column.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	2924	0	2887	84	0
2	B	2049	0	1981	38	0
3	A	31	0	12	4	0
4	A	1	0	0	0	0
4	B	1	0	0	0	0
5	B	83	0	70	0	0
6	A	195	0	0	14	0
6	B	188	0	0	3	0
All	All	5472	0	4950	122	0

Clashscore is defined as the number of clashes calculated for the entry per 1000 atoms (including hydrogens) of the entry. The overall clashscore for this entry is 12.

The worst 5 of 122 close contacts within the same asymmetric unit are listed below.

Atom-1	Atom-2	Distance(Å)	Clash(Å)
2:B:99:ASP:HB3	2:B:104:CYS:HB3	1.59	0.83
2:B:207:THR:HG23	2:B:209:CYS:SG	2.19	0.82
2:B:56:ASN:HD21	2:B:63:TYR:H	1.34	0.74
1:A:219:ALA:HB1	1:A:225:GLU:HG3	1.73	0.70
1:A:239:TYR:HB3	1:A:247:ILE:HG22	1.75	0.69

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone ⓘ

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	371/374 (99%)	339 (91%)	22 (6%)	10 (3%)	8	1
2	B	258/260 (99%)	244 (95%)	9 (4%)	5 (2%)	12	2
All	All	629/634 (99%)	583 (93%)	31 (5%)	15 (2%)	9	1

5 of 15 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	322	SER

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	367	SER
1	A	373	CYS
1	A	286	ILE
1	A	372	LYS

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	316/316 (100%)	282 (89%)	34 (11%)	9	2
2	B	229/229 (100%)	204 (89%)	25 (11%)	9	2
All	All	545/545 (100%)	486 (89%)	59 (11%)	9	2

5 of 59 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	333	GLU
1	A	374	PHE
2	B	206	SER
1	A	335	LYS
1	A	355	TRP

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 11 such sidechains are listed below:

Mol	Chain	Res	Type
2	B	7	ASN
2	B	44	HIS
2	B	161	ASN
1	A	161	ASN
2	B	134	HIS

5.3.3 RNA ⓘ

There are no RNA chains in this entry.

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

1 non-standard protein/DNA/RNA residue is 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	HIC	A	72	1	11,11,12	5.94	6 (54%)	12,14,16	3.42	5 (41%)

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	HIC	A	72	1	-	0/4/6/8	0/1/1/1

The worst 5 of 6 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	72	HIC	O-C	18.32	1.24	1.11
1	A	72	HIC	CD2-NE2	-4.17	1.31	1.37
1	A	72	HIC	CE1-NE2	-3.60	1.31	1.36
1	A	72	HIC	CD2-CG	2.78	1.39	1.36
1	A	72	HIC	CA-C	2.73	1.53	1.48

All (5) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	72	HIC	CG-CD2-NE2	-6.86	99.38	107.19
1	A	72	HIC	CD2-NE2-CE1	6.42	118.31	107.95
1	A	72	HIC	CG-CB-CA	4.61	120.15	113.85
1	A	72	HIC	ND1-CE1-NE2	-4.23	102.60	112.55
1	A	72	HIC	CE1-ND1-CG	2.96	110.52	104.93

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

5.5 Carbohydrates

7 carbohydrates 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	$\# Z > 2$
5	NAG	B	301	2,5	12,14,15	1.11	1 (8%)	15,19,21	0.89	1 (6%)
5	NAG	B	302	5	12,14,15	1.18	0	15,19,21	1.55	3 (20%)
5	BMA	B	303	5	10,11,12	1.60	3 (30%)	11,15,17	1.45	2 (18%)
5	MAN	B	304	5	10,11,12	1.61	3 (30%)	11,15,17	1.03	1 (9%)
5	BMA	B	305	5	10,11,12	0.87	0	11,15,17	1.10	1 (9%)
5	BMA	B	306	5	10,11,12	1.13	1 (10%)	11,15,17	1.30	1 (9%)
5	MAN	B	307	5	10,11,12	1.08	1 (10%)	11,15,17	1.76	3 (27%)

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
5	NAG	B	301	2,5	-	0/6/23/26	0/1/1/1
5	NAG	B	302	5	-	0/6/23/26	0/1/1/1
5	BMA	B	303	5	-	0/2/19/22	0/1/1/1
5	MAN	B	304	5	-	0/2/19/22	0/1/1/1
5	BMA	B	305	5	-	0/2/19/22	0/1/1/1
5	BMA	B	306	5	-	0/2/19/22	0/1/1/1
5	MAN	B	307	5	-	0/2/19/22	0/1/1/1

The worst 5 of 9 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
5	B	304	MAN	C4-C5	3.32	1.60	1.53
5	B	303	BMA	O3-C3	2.96	1.50	1.43

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
5	B	303	BMA	C3-C2	2.78	1.59	1.52
5	B	301	NAG	C4-C5	2.71	1.59	1.53
5	B	306	BMA	C3-C2	2.69	1.58	1.52

The worst 5 of 12 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
5	B	307	MAN	C3-C4-C5	3.57	116.58	110.20
5	B	302	NAG	C3-C4-C5	-3.53	103.89	110.20
5	B	303	BMA	C3-C4-C5	2.90	115.39	110.20
5	B	306	BMA	O3-C3-C2	2.68	114.84	109.94
5	B	305	BMA	O5-C5-C4	-2.37	107.65	110.65

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

5.6 Ligand geometry ⓘ

Of 3 ligands modelled in this entry, 2 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	ATP	A	401	4	33,33,33	1.40	6 (18%)	52,52,52	1.46	4 (7%)

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	ATP	A	401	4	-	0/22/38/38	0/1/3/3

The worst 5 of 6 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	A	401	ATP	C2'-C1'	-4.14	1.47	1.53
3	A	401	ATP	PB-O3B	2.62	1.64	1.59
3	A	401	ATP	PG-O3B	2.44	1.64	1.60
3	A	401	ATP	PG-O3G	-2.39	1.46	1.54
3	A	401	ATP	C8-N7	-2.36	1.30	1.34

All (4) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	A	401	ATP	O4'-C1'-N9	5.43	113.49	108.44
3	A	401	ATP	C4'-O4'-C1'	-4.79	104.55	109.75
3	A	401	ATP	C1'-N9-C4	-2.31	122.64	126.64
3	A	401	ATP	O4'-C4'-C3'	2.10	109.43	105.17

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

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	374/374 (100%)	10.58	374 (100%) 0 0	10, 34, 64, 72	0
2	B	260/260 (100%)	9.62	260 (100%) 0 0	4, 16, 42, 57	0
All	All	634/634 (100%)	10.19	634 (100%) 0 0	4, 26, 61, 72	0

The worst 5 of 634 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	21	ALA	41.8
2	B	228	GLY	30.8
1	A	155	GLY	30.3
1	A	368	ILE	29.0
1	A	143	ALA	24.8

6.2 Non-standard residues in protein, DNA, RNA chains ⓘ

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	RSR	LLDF	B-factors(Å ²)	Q<0.9
1	HIC	A	72	11/12	0.61	-0.50	14,18,23,26	0

6.3 Carbohydrates ⓘ

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	RSR	LLDF	B-factors(Å ²)	Q<0.9
5	NAG	B	302	14/15	0.83	0.48	53,58,60,61	0
5	MAN	B	307	11/12	1.21	0.07	65,70,72,73	0
5	NAG	B	301	14/15	0.52	-1.20	36,40,45,49	0
5	BMA	B	305	11/12	0.99	-	62,64,66,67	0
5	MAN	B	304	11/12	1.45	-	60,62,63,65	0
5	BMA	B	303	11/12	0.72	-	60,63,65,67	0
5	BMA	B	306	11/12	1.21	-	66,68,70,71	0

6.4 Ligands

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	RSR	LLDF	B-factors(Å ²)	Q<0.9
4	CA	B	308	1/1	0.75	0.81	15,15,15,15	0
3	ATP	A	401	31/31	0.50	-0.69	11,19,26,28	0
4	CA	A	402	1/1	0.18	-4.18	29,29,29,29	0

6.5 Other polymers

There are no such residues in this entry.