



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 6, 2026 – 09:03 PM UTC

PDB ID : 7OAW / pdb_00007oaw
Title : Crystal structure of the Chili RNA aptamer in complex with DMHBI+
Authors : Mieczkowski, M.; Pena, V.; Hoebartner, C.
Deposited on : 2021-04-20
Resolution : 2.95 Å(reported)

This is a wwPDB X-ray Structure Validation Summary 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 types of validation reports are described at

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

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

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

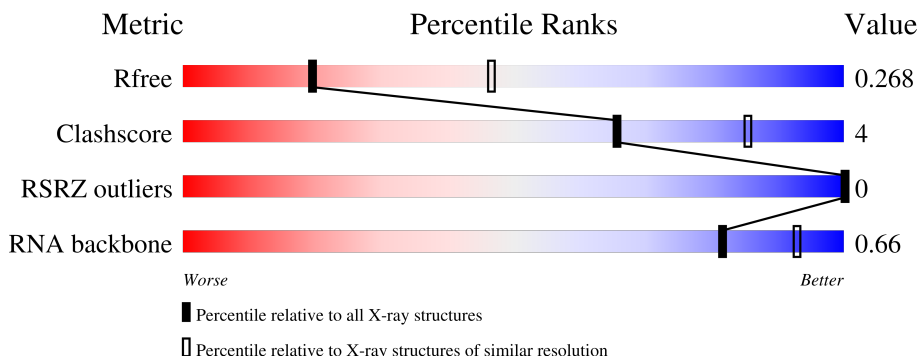
1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.95 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}	180053	1130 (2.98-2.94)
Clashscore	190562	1157 (2.98-2.94)
RSRZ outliers	180081	1130 (2.98-2.94)
RNA backbone	3983	1046 (3.16-2.76)

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 ≥ 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	52	65% 33% .
1	B	52	69% 27% ..
1	C	52	63% 33% ..
1	D	52	69% 29% .

2 Entry composition [i](#)

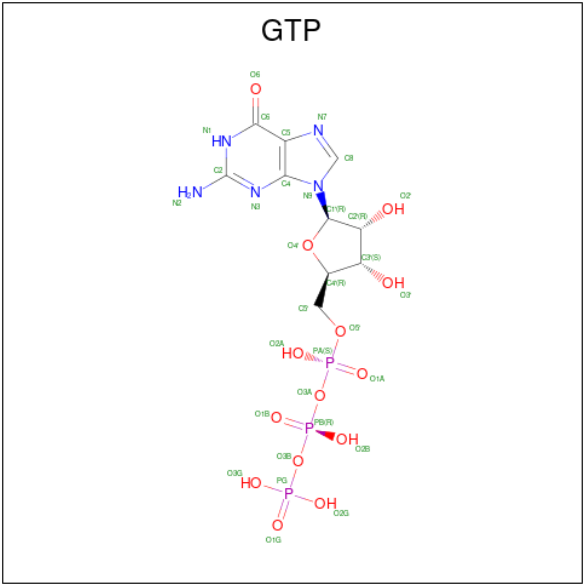
There are 7 unique types of molecules in this entry. The entry contains 4651 atoms, of which 0 are hydrogens and 0 are deuteriums.

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 RNA chain called Chili RNA Aptamer.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	51	Total	C	N	O	P	0	0	0
			1100	487	198	364	51			
1	B	51	Total	C	N	O	P	0	0	0
			1089	482	193	363	51			
1	C	51	Total	C	N	O	P	0	0	0
			1089	482	193	363	51			
1	D	51	Total	C	N	O	P	0	0	0
			1100	487	198	364	51			

- Molecule 2 is GUANOSINE-5'-TRIPHOSPHATE (CCD ID: GTP) (formula: C₁₀H₁₆N₅O₁₄P₃).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	A	1	Total	C	N	O	P	0	0
			32	10	5	14	3		
2	B	1	Total	C	N	O	P	0	0
			32	10	5	14	3		

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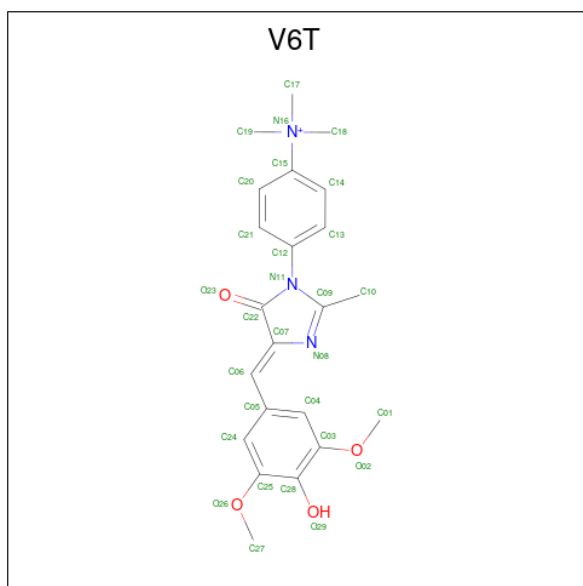
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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	C	1	Total	C	N	O	P	0	0
			32	10	5	14	3		
2	D	1	Total	C	N	O	P	0	0
			32	10	5	14	3		

- Molecule 3 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	3	Total	K	0	0
			3	3		
3	B	3	Total	K	0	0
			3	3		
3	C	3	Total	K	0	0
			3	3		
3	D	3	Total	K	0	0
			3	3		

- Molecule 4 is DMHBI⁺ (CCD ID: V6T) (formula: C₂₂H₂₆N₃O₄) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
4	A	1	Total	C	N	O	0	0
			29	22	3	4		
4	B	1	Total	C	N	O	0	0
			29	22	3	4		
4	C	1	Total	C	N	O	0	0
			29	22	3	4		

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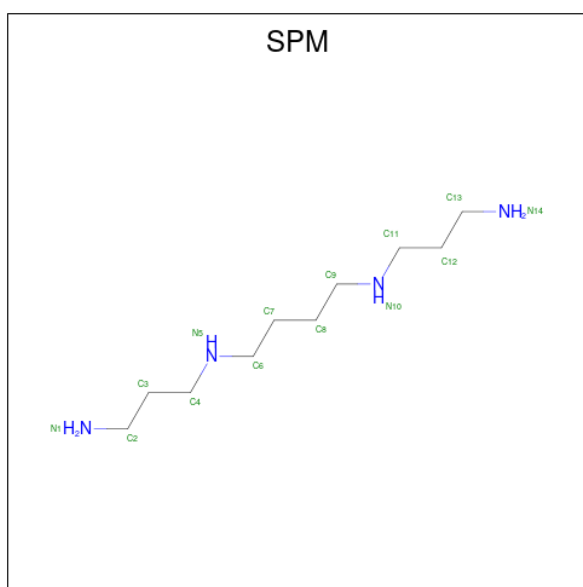
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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
4	D	1	Total	C	N	O	0	0
			29	22	3	4		

- Molecule 5 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	1	Total	Mg	0	0
			1	1		
5	D	1	Total	Mg	0	0
			1	1		

- Molecule 6 is SPERMINE (CCD ID: SPM) (formula: C₁₀H₂₆N₄).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
6	C	1	Total	C	N	0	0
			14	10	4		

- Molecule 7 is CHLORIDE ION (CCD ID: CL) (formula: Cl).

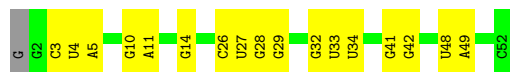
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
7	D	1	Total	Cl	0	0
			1	1		

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.

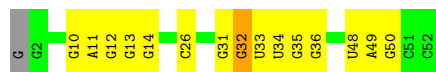
- Molecule 1: Chili RNA Aptamer

Chain A:  65% 33% .



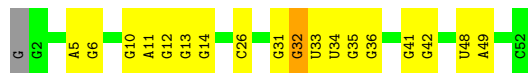
- Molecule 1: Chili RNA Aptamer

Chain B:  69% 27% ..



- Molecule 1: Chili RNA Aptamer

Chain C:  63% 33% ..



- Molecule 1: Chili RNA Aptamer

Chain D:  69% 29% .



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	59.07Å 100.03Å 113.86Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	46.44 – 2.95 46.44 – 2.95	Depositor EDS
% Data completeness (in resolution range)	95.9 (46.44-2.95) 96.6 (46.44-2.95)	Depositor EDS
R_{merge}	0.20	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.11 (at 2.91Å)	Xtriage
Refinement program	PHENIX 1.16_3549	Depositor
R, R_{free}	0.218 , 0.265 0.216 , 0.268	Depositor DCC
R_{free} test set	697 reflections (4.48%)	wwPDB-VP
Wilson B-factor (Å ²)	101.0	Xtriage
Anisotropy	0.465	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.23 , 28.5	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	0.98	EDS
Total number of atoms	4651	wwPDB-VP
Average B, all atoms (Å ²)	103.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The analyses of the Patterson function reveals a significant off-origin peak that is 35.54 % of the origin peak, indicating pseudo-translational symmetry. The chance of finding a peak of this or larger height randomly in a structure without pseudo-translational symmetry is equal to 5.7459e-04. The detected translational NCS is most likely also responsible for the elevated intensity ratio.*

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 [i](#)

5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: K, SPM, GTP, MG, CL, V6T

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	0.07	0/1229	0.17	0/1918
1	B	0.08	0/1216	0.17	0/1897
1	C	0.08	0/1216	0.18	0/1897
1	D	0.08	0/1229	0.18	0/1918
All	All	0.08	0/4890	0.17	0/7630

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 [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	1100	0	551	7	0
1	B	1089	0	546	5	0
1	C	1089	0	546	5	0
1	D	1100	0	551	5	0
2	A	32	0	10	0	0
2	B	32	0	12	0	0
2	C	32	0	12	0	0
2	D	32	0	10	0	0
3	A	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	B	3	0	0	0	0
3	C	3	0	0	0	0
3	D	3	0	0	0	0
4	A	29	0	0	0	0
4	B	29	0	0	0	0
4	C	29	0	0	0	0
4	D	29	0	0	0	0
5	A	1	0	0	0	0
5	D	1	0	0	0	0
6	C	14	0	26	1	0
7	D	1	0	0	0	0
All	All	4651	0	2264	22	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 4.

The worst 5 of 22 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:29:G:OP2	6:C:101:SPM:H112	2.01	0.61
1:C:12:G:OP2	1:C:13:G:O2'	2.26	0.49
1:B:12:G:OP2	1:B:13:G:O2'	2.23	0.48
1:A:41:G:OP2	1:A:42:G:O2'	2.20	0.47
1:C:41:G:OP2	1:C:42:G:O2'	2.22	0.46

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

There are no protein molecules in this entry.

5.3.2 Protein sidechains [i](#)

There are no protein molecules in this entry.

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A	50/52 (96%)	8 (16%)	0
1	B	50/52 (96%)	9 (18%)	0
1	C	50/52 (96%)	9 (18%)	1 (2%)
1	D	50/52 (96%)	7 (14%)	0
All	All	200/208 (96%)	33 (16%)	1 (0%)

5 of 33 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	A	3	C
1	A	10	G
1	A	11	A
1	A	14	G
1	A	26	C

All (1) RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	C	33	U

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 oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 24 ligands modelled in this entry, 15 are monoatomic - leaving 9 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
4	V6T	D	104	3	31,31,31	2.69	10 (32%)	45,46,46	2.21	11 (24%)
2	GTP	D	103	1,5	33,34,34	0.97	2 (6%)	50,54,54	1.61	8 (16%)
6	SPM	C	101	-	13,13,13	0.34	0	12,12,12	0.75	0
2	GTP	B	101	-	33,34,34	0.97	1 (3%)	50,54,54	1.56	9 (18%)
4	V6T	B	104	3	31,31,31	2.72	10 (32%)	45,46,46	2.20	12 (26%)
2	GTP	A	101	1,5	33,34,34	1.01	4 (12%)	50,54,54	1.60	8 (16%)
4	V6T	C	105	3	31,31,31	2.78	10 (32%)	45,46,46	2.14	11 (24%)
4	V6T	A	104	3	31,31,31	2.71	9 (29%)	45,46,46	2.17	10 (22%)
2	GTP	C	102	-	33,34,34	1.01	3 (9%)	50,54,54	1.66	9 (18%)

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
4	V6T	D	104	3	-	4/18/34/34	0/3/3/3
2	GTP	D	103	1,5	-	8/22/38/38	0/3/3/3
6	SPM	C	101	-	-	3/11/11/11	-
2	GTP	B	101	-	-	7/22/38/38	0/3/3/3
4	V6T	B	104	3	-	3/18/34/34	0/3/3/3
2	GTP	A	101	1,5	-	6/22/38/38	0/3/3/3
4	V6T	C	105	3	-	1/18/34/34	0/3/3/3
4	V6T	A	104	3	-	10/18/34/34	0/3/3/3
2	GTP	C	102	-	-	5/22/38/38	0/3/3/3

The worst 5 of 49 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
4	C	105	V6T	C07-C22	-9.64	1.38	1.48
4	B	104	V6T	C07-C22	-9.53	1.38	1.48
4	A	104	V6T	C07-C22	-9.49	1.38	1.48
4	D	104	V6T	C07-C22	-9.43	1.38	1.48
4	C	105	V6T	C12-N11	-7.29	1.33	1.44

The worst 5 of 78 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
4	D	104	V6T	O23-C22-C07	-8.32	125.71	131.02
4	A	104	V6T	O23-C22-C07	-8.09	125.86	131.02
4	B	104	V6T	O23-C22-C07	-7.89	125.99	131.02
4	C	105	V6T	O23-C22-C07	-7.29	126.36	131.02
2	C	102	GTP	C5-C4-N3	-5.62	119.45	128.39

There are no chirality outliers.

5 of 47 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	A	101	GTP	C5'-O5'-PA-O3A
2	A	101	GTP	C5'-O5'-PA-O1A
2	A	101	GTP	O4'-C4'-C5'-O5'
2	C	102	GTP	C5'-O5'-PA-O3A
2	C	102	GTP	C5'-O5'-PA-O1A

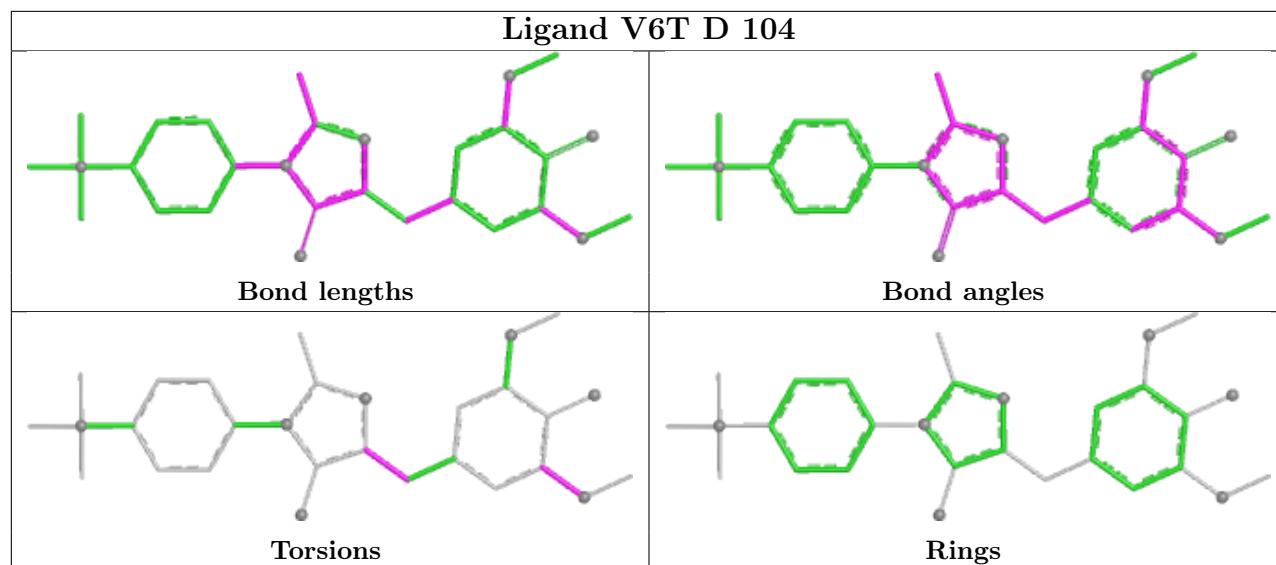
There are no ring outliers.

1 monomer is involved in 1 short contact:

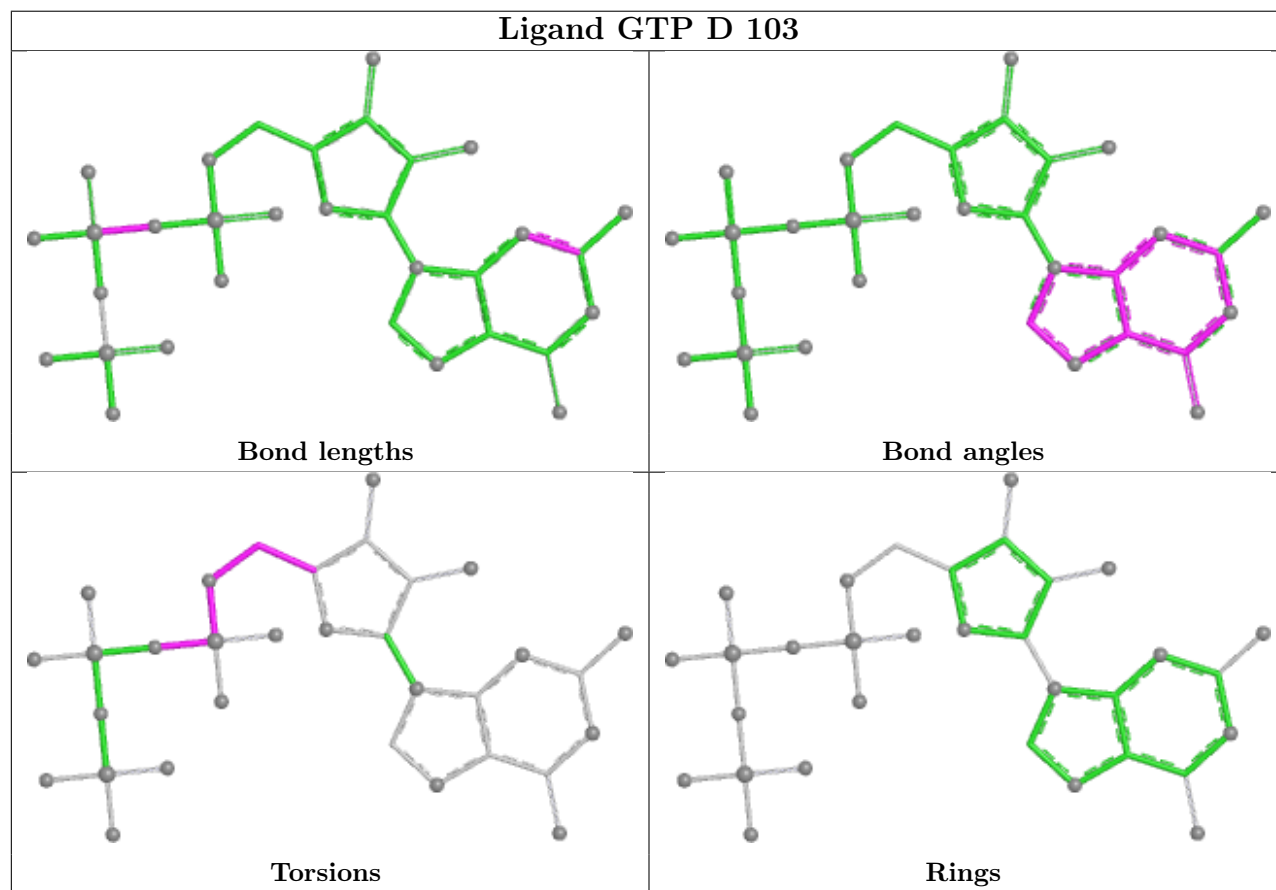
Mol	Chain	Res	Type	Clashes	Symm-Clashes
6	C	101	SPM	1	0

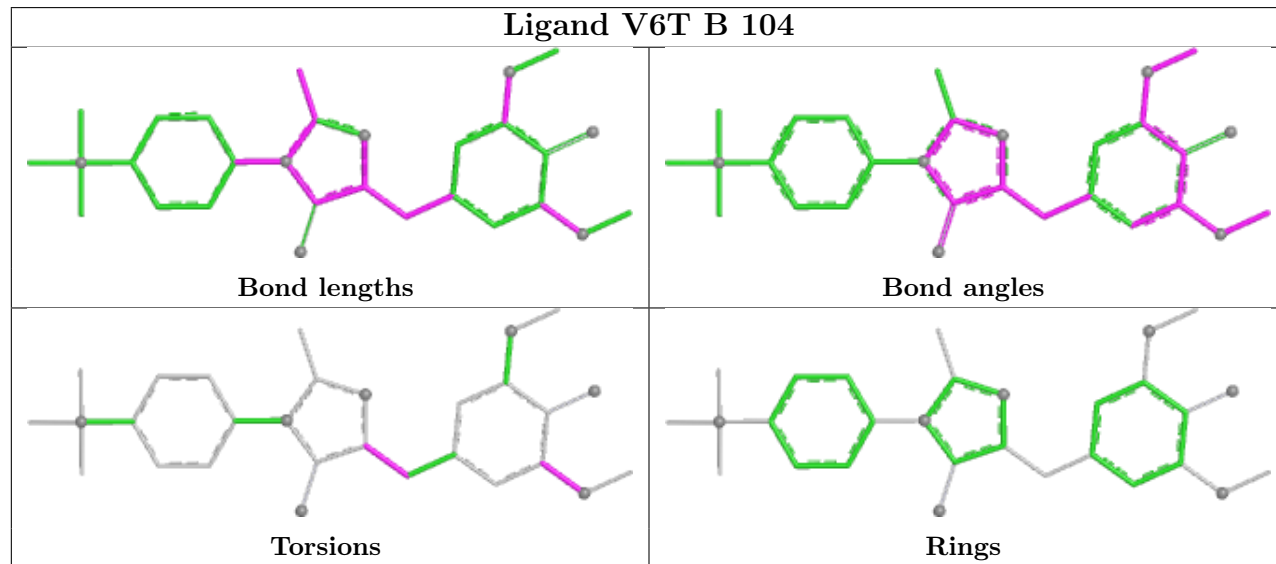
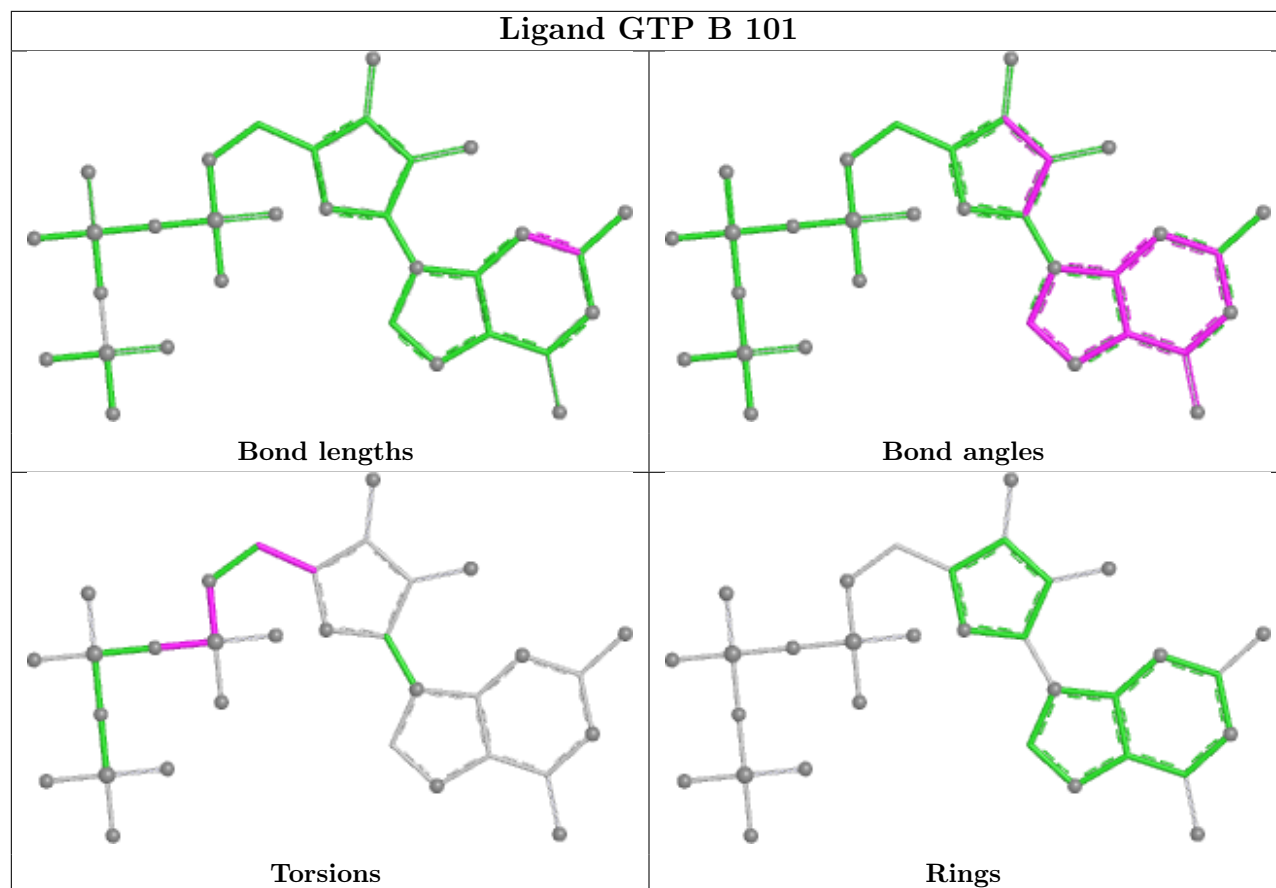
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

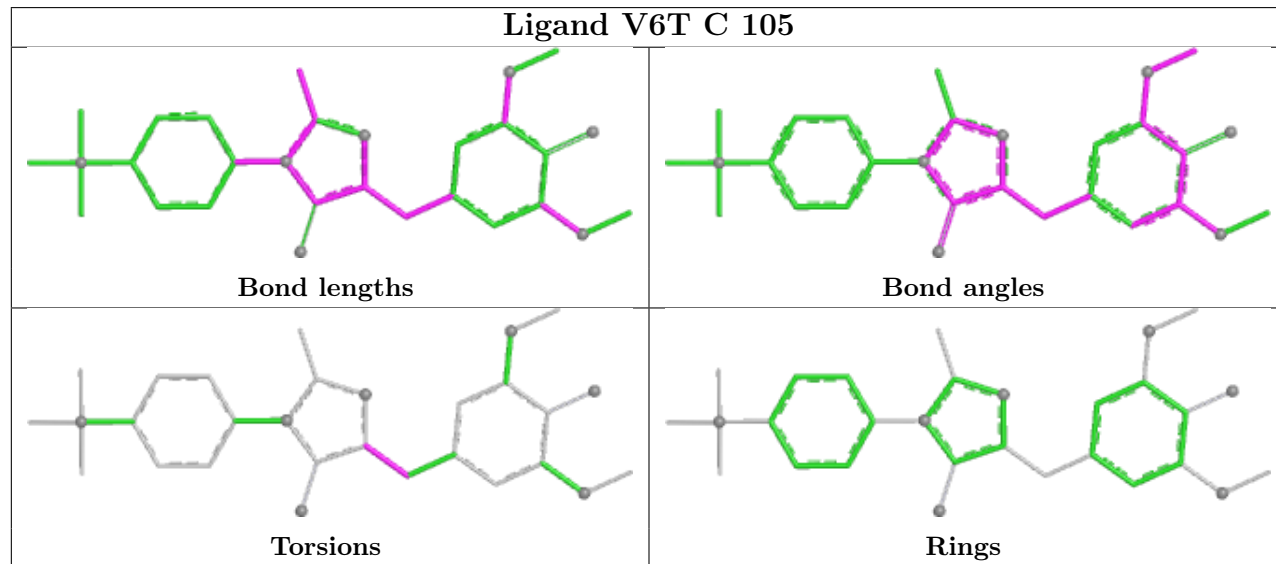
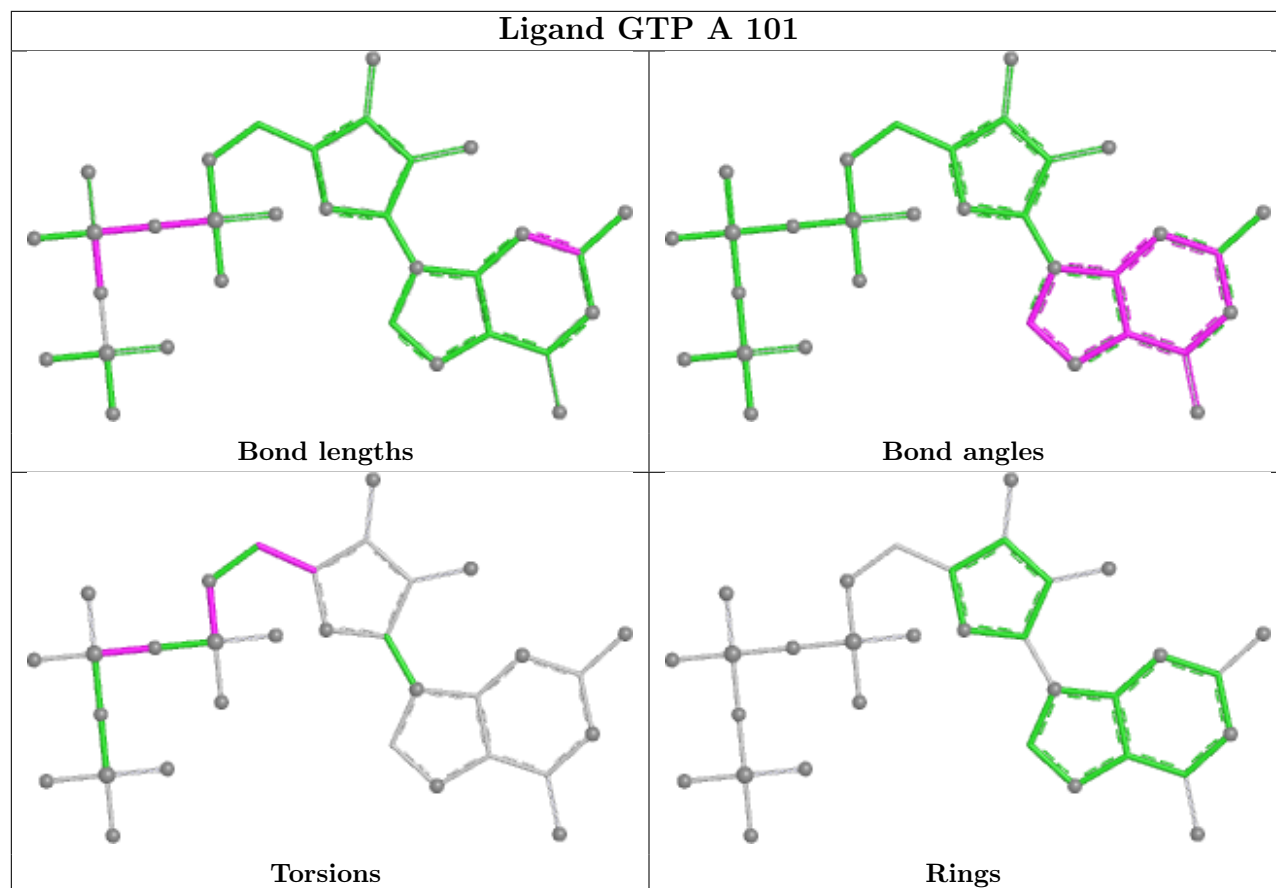
Ligand V6T D 104

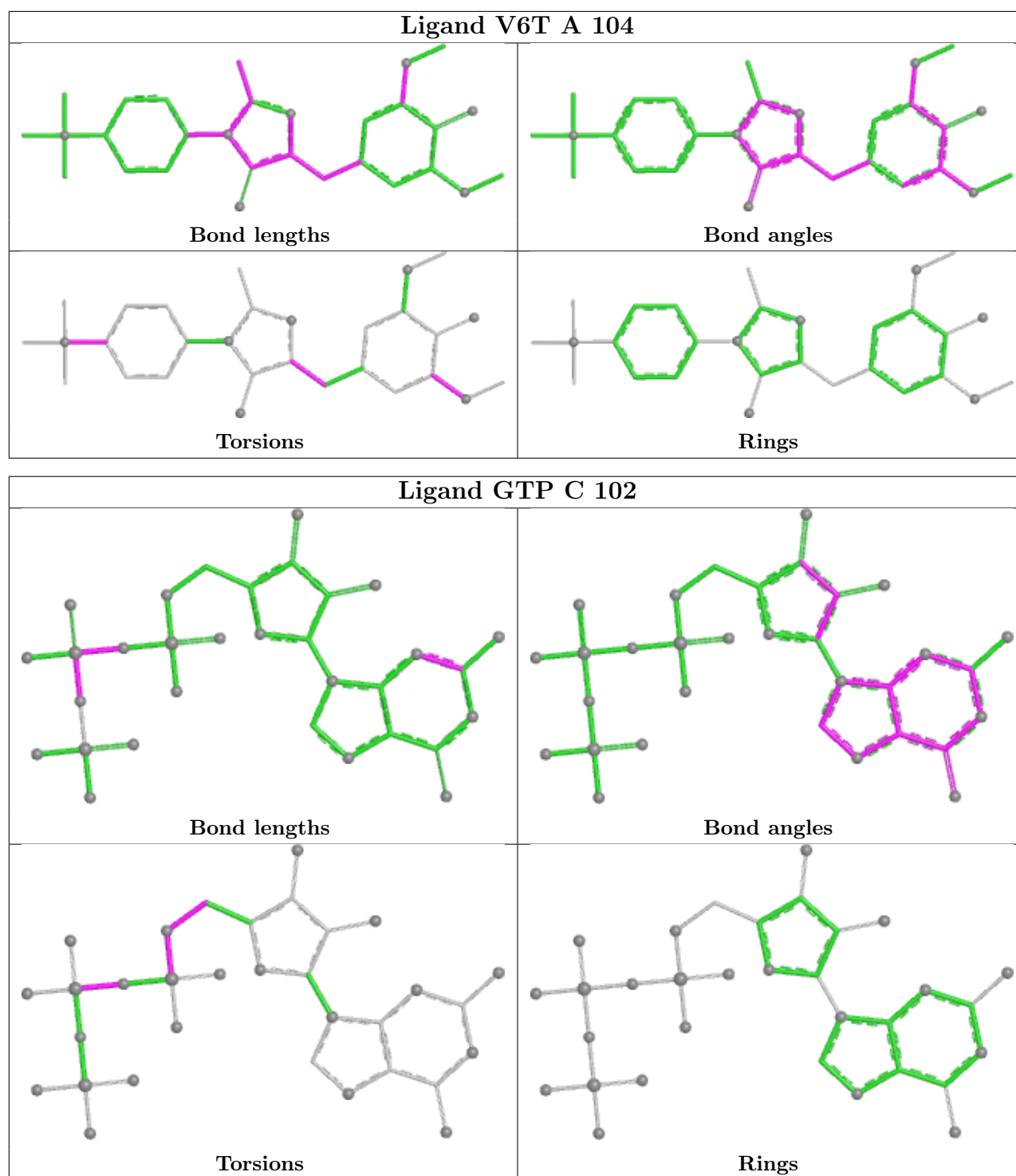


Ligand GTP D 103









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 [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	51/52 (98%)	-0.92	0 100 100	75, 93, 138, 169	0
1	B	51/52 (98%)	-0.65	0 100 100	70, 97, 134, 199	0
1	C	51/52 (98%)	-0.66	0 100 100	72, 94, 143, 218	0
1	D	51/52 (98%)	-0.80	0 100 100	80, 96, 146, 185	0
All	All	204/208 (98%)	-0.76	0 100 100	70, 95, 146, 218	0

There are no RSRZ outliers to report.

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 oligosaccharides 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(Å ²)	Q<0.9
3	K	C	106	1/1	0.71	0.21	138,138,138,138	0
3	K	A	105	1/1	0.72	0.20	144,144,144,144	0
3	K	D	105	1/1	0.76	0.14	123,123,123,123	0
6	SPM	C	101	14/14	0.79	0.15	76,90,103,103	0

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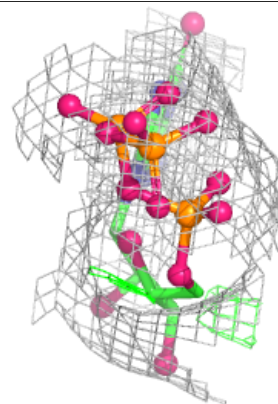
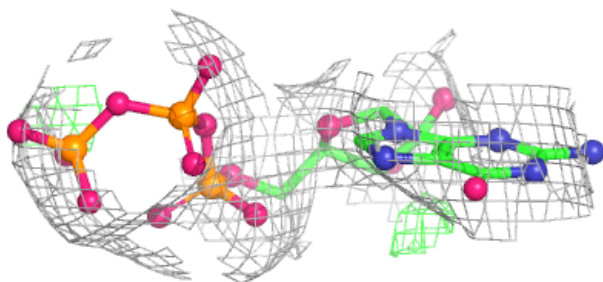
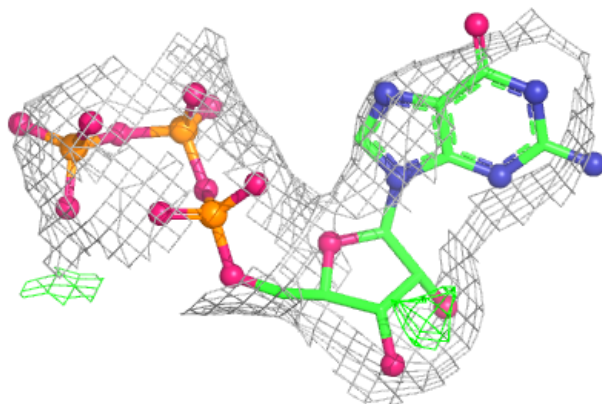
Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
2	GTP	C	102	32/32	0.83	0.07	101,133,179,180	0
2	GTP	D	103	32/32	0.84	0.07	127,144,168,170	0
5	MG	D	106	1/1	0.85	0.09	123,123,123,123	0
2	GTP	B	101	32/32	0.85	0.07	121,132,181,184	0
2	GTP	A	101	32/32	0.86	0.07	177,184,199,200	0
4	V6T	D	104	29/29	0.90	0.11	79,91,113,113	0
5	MG	A	106	1/1	0.90	0.08	101,101,101,101	0
4	V6T	B	104	29/29	0.91	0.10	81,94,100,101	0
4	V6T	C	105	29/29	0.91	0.12	86,99,108,109	0
4	V6T	A	104	29/29	0.91	0.10	75,84,96,97	0
3	K	B	105	1/1	0.92	0.10	94,94,94,94	0
7	CL	D	107	1/1	0.93	0.06	88,88,88,88	0
3	K	D	102	1/1	0.96	0.05	94,94,94,94	0
3	K	C	104	1/1	0.96	0.04	81,81,81,81	0
3	K	B	103	1/1	0.97	0.05	89,89,89,89	0
3	K	B	102	1/1	0.97	0.03	85,85,85,85	0
3	K	C	103	1/1	0.97	0.03	82,82,82,82	0
3	K	A	103	1/1	0.98	0.04	84,84,84,84	0
3	K	D	101	1/1	0.98	0.03	87,87,87,87	0
3	K	A	102	1/1	0.99	0.04	93,93,93,93	0

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

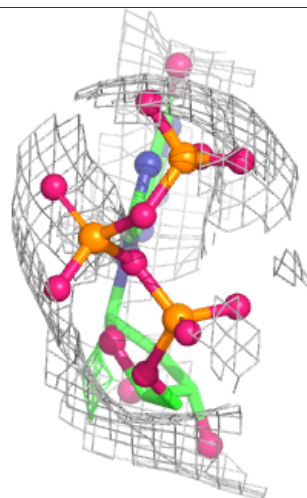
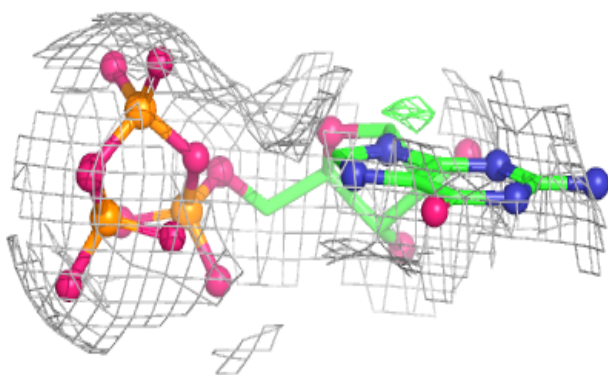
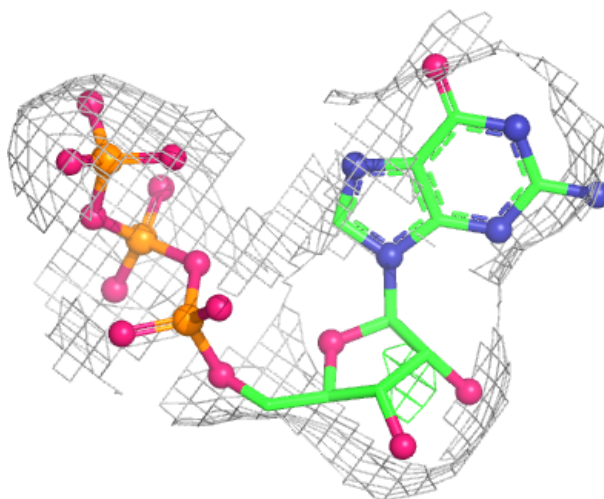
Electron density around GTP C 102:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



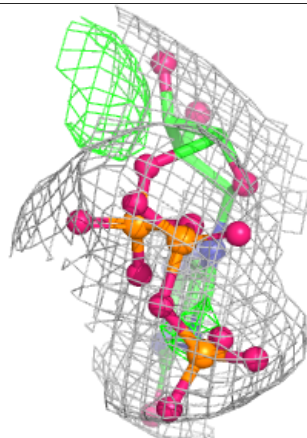
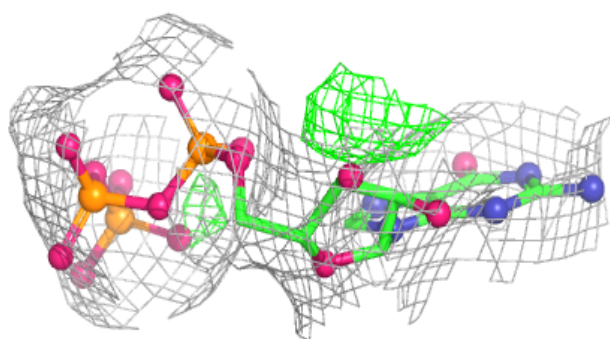
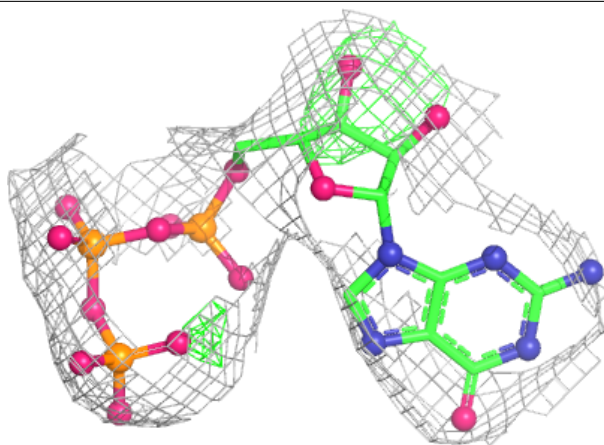
Electron density around GTP D 103:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



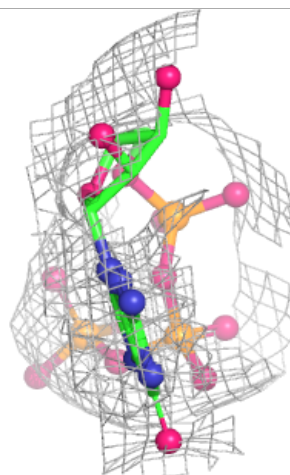
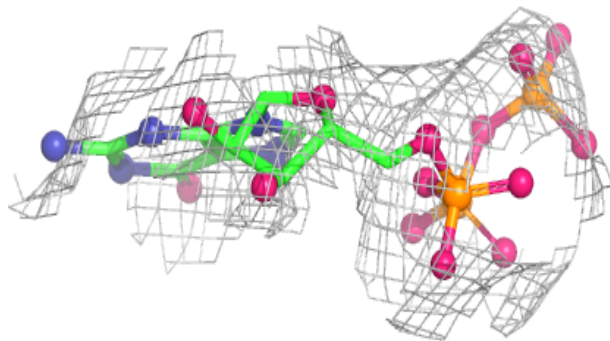
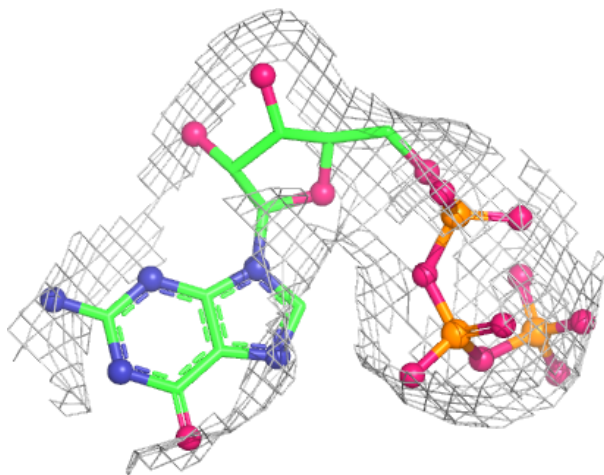
Electron density around GTP B 101:

$2mF_o - DF_c$ (at 0.7 rmsd) in gray
 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)



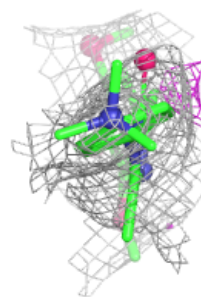
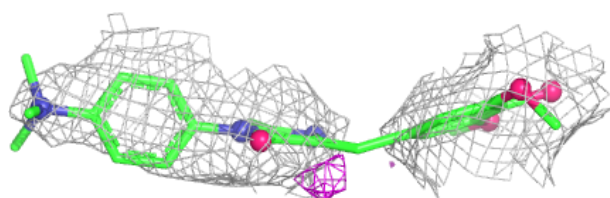
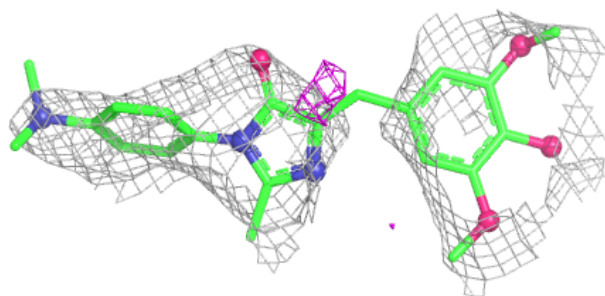
Electron density around GTP A 101:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

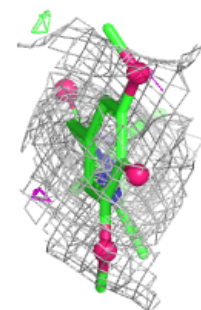
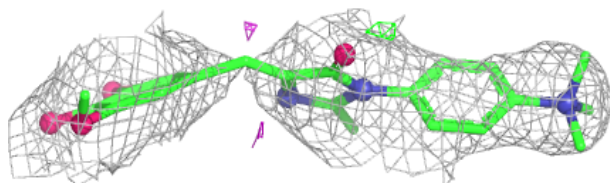
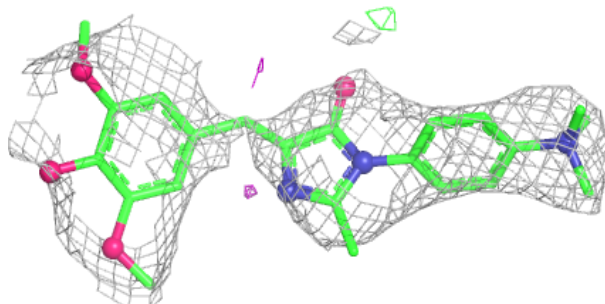


Electron density around V6T D 104:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

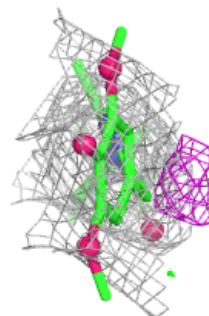
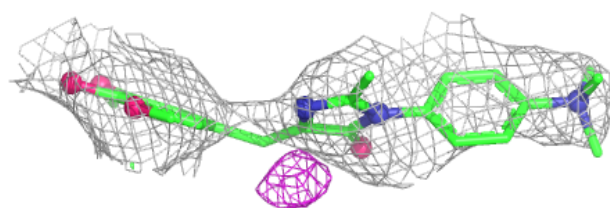
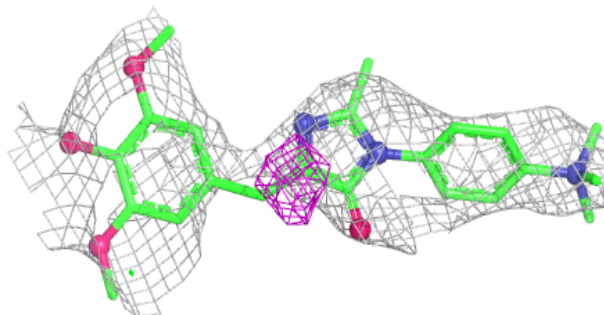
**Electron density around V6T B 104:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

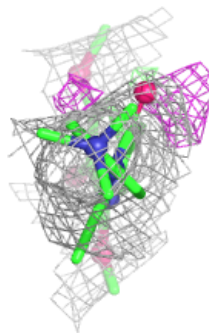
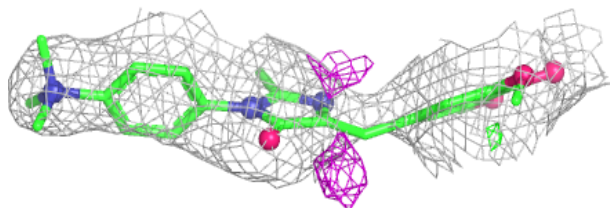
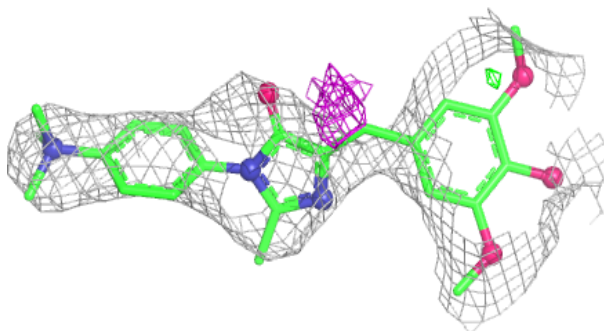


Electron density around V6T C 105:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

**Electron density around V6T A 104:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



6.5 Other polymers [i](#)

There are no such residues in this entry.