



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 4, 2026 – 09:37 PM UTC

PDB ID : 5SA6 / pdb_00005sa6
Title : PanDDA analysis group deposition – Crystal Structure of SARS-CoV-2 NendoU in complex with Z2856434783
Authors : Godoy, A.S.; Douangamath, A.; Nakamura, A.M.; Dias, A.; Krojer, T.; Noske, G.D.; Gawiljuk, V.O.; Fernandes, R.S.; Fairhead, M.; Powell, A.; Dunnet, L.; Aimon, A.; Fearon, D.; Brandao-Neto, J.; Skyner, R.; von Delft, F.; Oliva, G.
Deposited on : 2021-05-19
Resolution : 2.52 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 types of validation reports are described at

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

The following versions of software and data (see [references](#) ①) 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

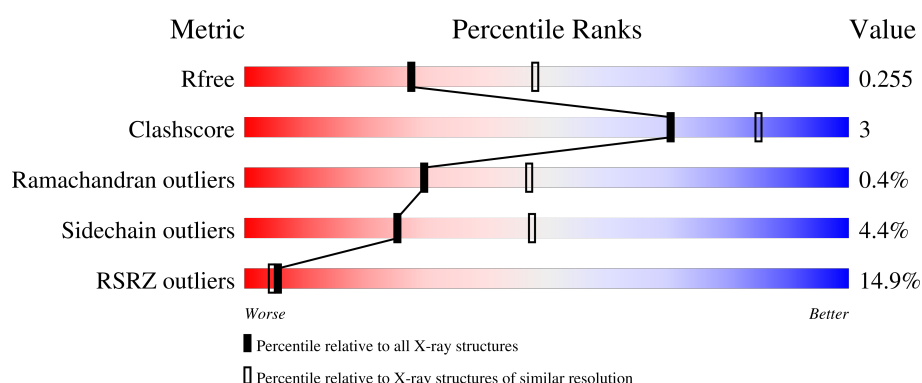
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.52 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	7383 (2.54-2.50)
Clashscore	190562	8079 (2.54-2.50)
Ramachandran outliers	187476	7944 (2.54-2.50)
Sidechain outliers	187428	7946 (2.54-2.50)
RSRZ outliers	180081	7387 (2.54-2.50)

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	349	27% 87% 12% .
1	B	349	3% 89% 10% .

2 Entry composition [i](#)

There are 3 unique types of molecules in this entry. The entry contains 5873 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.

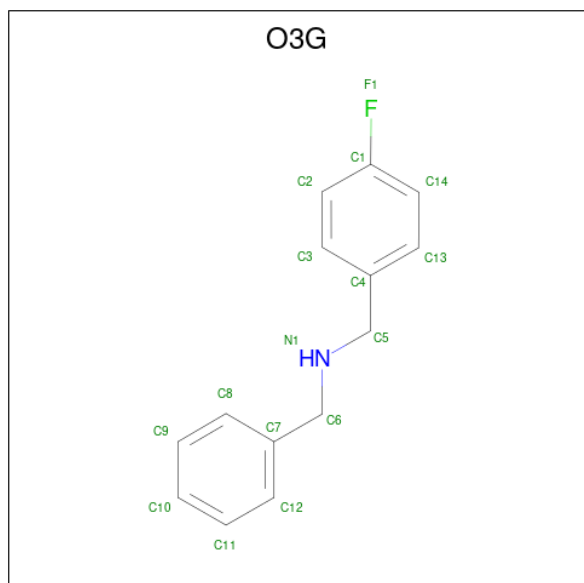
- Molecule 1 is a protein called Uridylate-specific endoribonuclease.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	348	Total	C	N	O	S	0	1	0
			2758	1771	449	527	11			
1	B	348	Total	C	N	O	S	0	1	0
			2758	1771	449	527	11			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-2	GLY	-	expression tag	UNP P0DTD1
A	-1	ALA	-	expression tag	UNP P0DTD1
A	0	MET	-	expression tag	UNP P0DTD1
B	-2	GLY	-	expression tag	UNP P0DTD1
B	-1	ALA	-	expression tag	UNP P0DTD1
B	0	MET	-	expression tag	UNP P0DTD1

- Molecule 2 is N-benzyl-1-(4-fluorophenyl)methanamine (CCD ID: O3G) (formula: C₁₄H₁₄FN) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
2	A	1	Total	C	F	N	0	0
			16	14	1	1		
2	B	1	Total	C	F	N	0	0
			16	14	1	1		

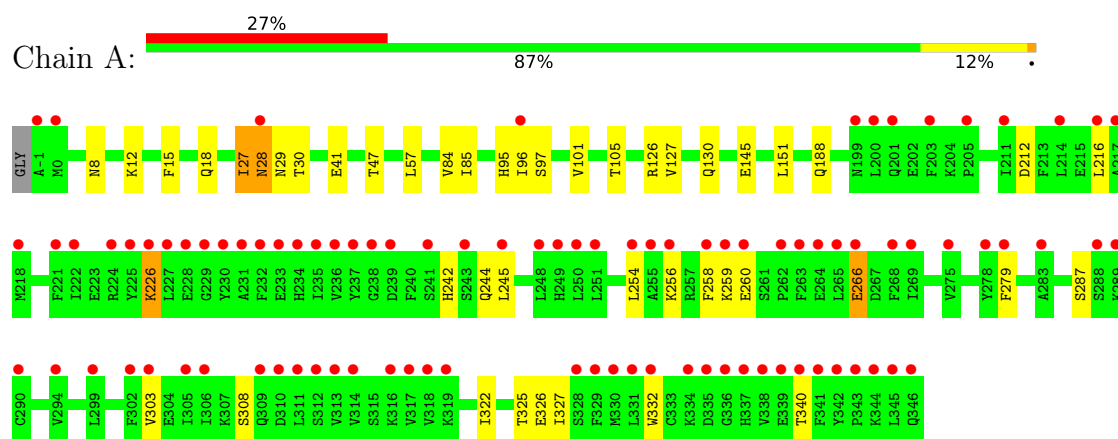
- Molecule 3 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	143	Total	O	0	0
			143	143		
3	B	182	Total	O	0	0
			182	182		

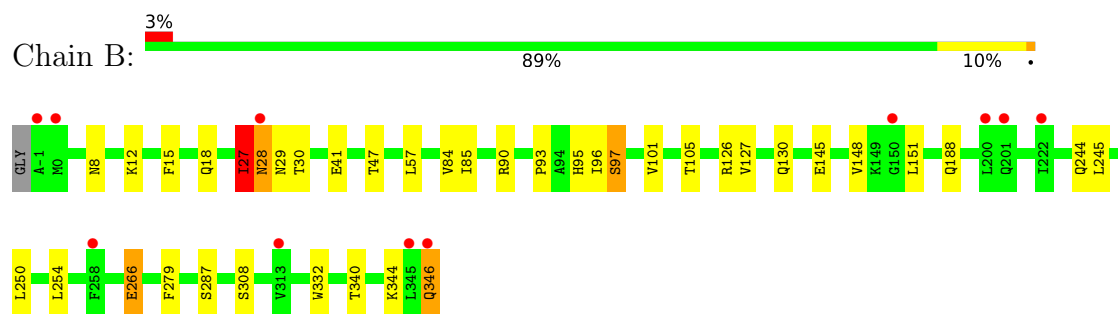
3 Residue-property plots

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: Uridylate-specific endoribonuclease



- Molecule 1: Uridylate-specific endoribonuclease



4 Data and refinement statistics

Property	Value	Source
Space group	P 63	Depositor
Cell constants a, b, c, α , β , γ	150.63Å 150.63Å 110.58Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	130.45 – 2.52 130.45 – 2.52	Depositor EDS
% Data completeness (in resolution range)	98.5 (130.45-2.52) 98.4 (130.45-2.52)	Depositor EDS
R_{merge}	0.27	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.99 (at 2.52Å)	Xtriage
Refinement program	BUSTER 2.10.3 (18-SEP-2020)	Depositor
R, R_{free}	0.197 , 0.222 0.227 , 0.255	Depositor DCC
R_{free} test set	2432 reflections (5.03%)	wwPDB-VP
Wilson B-factor (Å ²)	51.6	Xtriage
Anisotropy	0.312	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.33 , 54.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	0.034 for h,-h-k,-l	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	5873	wwPDB-VP
Average B, all atoms (Å ²)	74.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.88% 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: O3G

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	0.71	0/2815	1.06	2/3817 (0.1%)
1	B	0.73	0/2815	1.05	2/3817 (0.1%)
All	All	0.72	0/5630	1.06	4/7634 (0.1%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
1	A	0	1
1	B	0	1
All	All	0	2

There are no bond length outliers.

All (4) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	27	ILE	CB-CA-C	8.50	120.85	110.73
1	A	29	ASN	CA-CB-CG	5.81	118.41	112.60
1	B	29	ASN	CA-CB-CG	5.60	118.20	112.60
1	B	27	ILE	N-CA-CB	5.42	118.95	112.02

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	27	ILE	Mainchain
1	B	27	ILE	Mainchain

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	2758	0	2750	20	0
1	B	2758	0	2750	18	0
2	A	16	0	0	1	0
2	B	16	0	0	0	0
3	A	143	0	0	0	0
3	B	182	0	0	0	0
All	All	5873	0	5500	37	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 3.

All (37) 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:127:VAL:HB	1:B:130:GLN:HG3	1.55	0.86
1:A:127:VAL:HB	1:A:130:GLN:HG3	1.56	0.85
1:B:344:LYS:NZ	1:B:346:GLN:HE21	1.77	0.82
1:B:344:LYS:HZ3	1:B:346:GLN:HE21	1.29	0.77
1:B:85:ILE:H	1:B:95:HIS:HE1	1.36	0.71
1:A:85:ILE:H	1:A:95:HIS:HE1	1.46	0.62
1:A:258:PHE:HD2	1:A:259:LYS:HZ3	1.46	0.62
1:B:84:VAL:HG23	1:B:101:VAL:HG11	1.82	0.61
1:A:95:HIS:HD2	1:A:97:SER:O	1.85	0.60
1:B:57:LEU:HD11	1:B:105:THR:HG21	1.84	0.60
1:B:12:LYS:HE3	1:B:18:GLN:HG3	1.85	0.59
1:A:84:VAL:HG23	1:A:101:VAL:HG11	1.83	0.59
1:A:12:LYS:HE3	1:A:18:GLN:HG3	1.84	0.59
1:A:57:LEU:HD11	1:A:105:THR:HG21	1.86	0.57
1:A:258:PHE:HD2	1:A:259:LYS:NZ	2.02	0.57
1:A:30:THR:CG2	1:A:41:GLU:HG3	2.35	0.57
1:B:30:THR:CG2	1:B:41:GLU:HG3	2.35	0.56
1:B:148:VAL:HG11	1:B:151:LEU:HD12	1.88	0.55
1:B:95:HIS:HD2	1:B:97:SER:O	1.94	0.51
1:B:84:VAL:CG2	1:B:101:VAL:HG11	2.41	0.51
1:A:126:ARG:HG2	1:A:145:GLU:HG3	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:344:LYS:NZ	1:B:346:GLN:NE2	2.54	0.50
1:B:266:GLU:HB3	1:B:279:PHE:HB3	1.94	0.50
1:A:266:GLU:HB3	1:A:279:PHE:HB3	1.93	0.49
1:A:84:VAL:CG2	1:A:101:VAL:HG11	2.41	0.49
1:A:322:ILE:HD12	1:A:327:ILE:HB	1.95	0.49
1:B:126:ARG:HG2	1:B:145:GLU:HG3	1.95	0.49
1:B:8:ASN:HB3	1:B:15:PHE:HA	1.94	0.48
1:A:8:ASN:HB3	1:A:15:PHE:HA	1.96	0.47
1:A:95:HIS:HB3	2:A:401:O3G:C14	2.46	0.46
1:A:332:TRP:HB2	1:A:340:THR:HG22	1.99	0.45
1:B:332:TRP:HB2	1:B:340:THR:HG22	2.00	0.44
1:A:256:LYS:O	1:A:260:GLU:OE2	2.36	0.43
1:B:90:ARG:NH2	1:B:93:PRO:O	2.53	0.42
1:A:151:LEU:HD23	1:B:308:SER:HB3	2.01	0.42
1:A:212:ASP:O	1:A:216:LEU:HB2	2.20	0.41
1:A:226:LYS:HB2	1:A:226:LYS:HE2	1.81	0.40

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	347/349 (99%)	333 (96%)	11 (3%)	3 (1%)	14	26
1	B	347/349 (99%)	335 (96%)	10 (3%)	2 (1%)	21	36
All	All	694/698 (99%)	668 (96%)	21 (3%)	5 (1%)	30	32

All (5) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	308	SER
1	A	28[A]	ASN

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Mol	Chain	Res	Type
1	A	28[B]	ASN
1	B	28[A]	ASN
1	B	28[B]	ASN

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	310/309 (100%)	295 (95%)	15 (5%)	23	43
1	B	310/309 (100%)	296 (96%)	14 (4%)	24	46
All	All	620/618 (100%)	591 (95%)	29 (5%)	25	44

All (29) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	28[A]	ASN
1	A	28[B]	ASN
1	A	47	THR
1	A	96	ILE
1	A	188	GLN
1	A	226	LYS
1	A	242	HIS
1	A	244	GLN
1	A	245	LEU
1	A	254	LEU
1	A	266	GLU
1	A	287	SER
1	A	303	VAL
1	A	325	THR
1	A	326	GLU
1	B	27	ILE
1	B	28[A]	ASN
1	B	28[B]	ASN
1	B	47	THR
1	B	96	ILE

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Mol	Chain	Res	Type
1	B	97	SER
1	B	188	GLN
1	B	244	GLN
1	B	245	LEU
1	B	250	LEU
1	B	254	LEU
1	B	266	GLU
1	B	287	SER
1	B	346	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (5) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	95	HIS
1	A	337	HIS
1	B	74	ASN
1	B	95	HIS
1	B	346	GLN

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 oligosaccharides in this entry.

5.6 Ligand geometry ⓘ

2 ligands 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	$\# Z > 2$
2	O3G	A	401	-	17,17,17	0.46	0	21,21,21	0.93	0
2	O3G	B	401	-	17,17,17	0.46	0	21,21,21	0.85	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
2	O3G	A	401	-	-	1/6/6/6	0/2/2/2
2	O3G	B	401	-	-	0/6/6/6	0/2/2/2

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (1) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	A	401	O3G	C4-C5-N1-C6

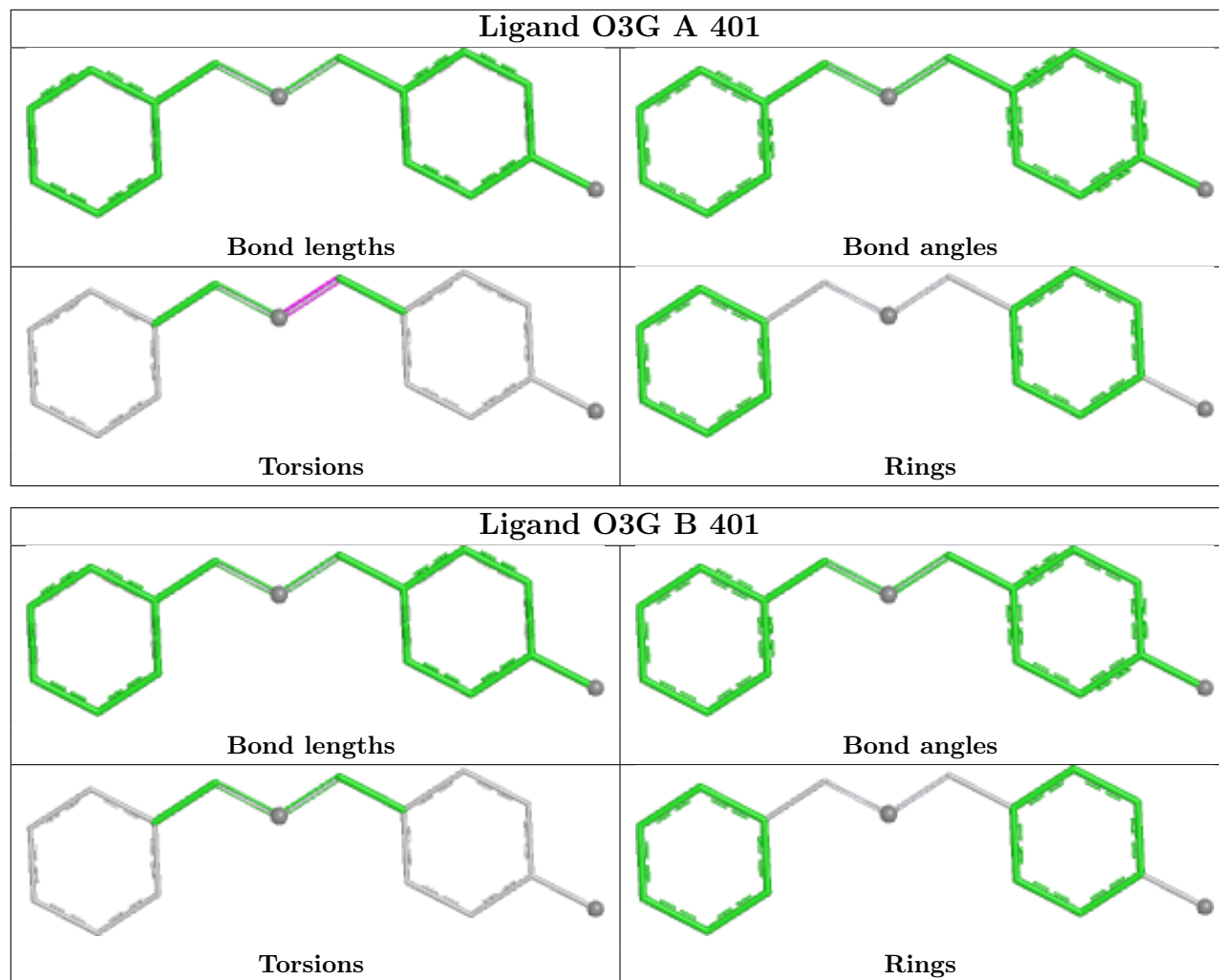
There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	A	401	O3G	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.



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 ⓘ

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	348/349 (99%)	1.10	93 (26%) 1 1	25, 69, 155, 168	1 (0%)
1	B	348/349 (99%)	0.33	11 (3%) 50 47	24, 64, 88, 117	1 (0%)
All	All	696/698 (99%)	0.72	104 (14%) 5 4	24, 66, 144, 168	2 (0%)

All (104) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	345	LEU	9.4
1	B	28[A]	ASN	8.2
1	A	28[A]	ASN	6.9
1	A	343	PRO	6.4
1	A	248	LEU	5.6
1	A	306	ILE	5.5
1	B	345	LEU	5.5
1	A	313	VAL	5.4
1	A	254	LEU	4.9
1	A	201	GLN	4.8
1	A	344	LYS	4.7
1	A	255	ALA	4.7
1	A	230	TYR	4.4
1	A	317	VAL	4.4
1	A	283	ALA	4.3
1	A	346	GLN	4.3
1	A	316	LYS	4.3
1	A	314	VAL	4.1
1	A	226	LYS	3.9
1	A	305	ILE	3.9
1	A	236	VAL	3.6
1	A	341	PHE	3.6
1	A	299	LEU	3.5
1	A	237	TYR	3.4

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Mol	Chain	Res	Type	RSRZ
1	A	329	PHE	3.4
1	A	258	PHE	3.3
1	A	259	LYS	3.3
1	A	217	ALA	3.3
1	A	234	HIS	3.3
1	A	231	ALA	3.2
1	B	201	GLN	3.2
1	A	243	SER	3.2
1	A	200	LEU	3.2
1	A	232	PHE	3.1
1	A	262	PRO	3.1
1	A	328	SER	3.1
1	A	318	VAL	3.1
1	A	342	TYR	3.1
1	B	0	MET	3.1
1	A	250	LEU	3.0
1	A	310	ASP	3.0
1	A	288	SER	3.0
1	B	313	VAL	2.9
1	A	332	TRP	2.9
1	A	309	GLN	2.9
1	A	266	GLU	2.9
1	A	331	LEU	2.9
1	A	214	LEU	2.8
1	A	279	PHE	2.8
1	A	336	GLY	2.8
1	A	251	LEU	2.8
1	B	346	GLN	2.7
1	A	312	SER	2.7
1	A	311	LEU	2.7
1	A	-1	ALA	2.7
1	A	263	PHE	2.7
1	A	338	VAL	2.7
1	A	218	MET	2.7
1	A	260	GLU	2.6
1	A	222	ILE	2.6
1	A	265	LEU	2.6
1	A	339	GLU	2.6
1	A	241	SER	2.6
1	A	229	GLY	2.5
1	A	275	VAL	2.5
1	A	225	TYR	2.4

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Mol	Chain	Res	Type	RSRZ
1	A	278	TYR	2.4
1	A	334	LYS	2.4
1	A	227	LEU	2.4
1	A	319	LYS	2.4
1	A	216	LEU	2.4
1	A	302	PHE	2.4
1	A	249	HIS	2.3
1	A	340	THR	2.3
1	A	211	ILE	2.3
1	A	264	GLU	2.3
1	B	150	GLY	2.2
1	A	235	ILE	2.2
1	A	294	VAL	2.2
1	A	96	ILE	2.2
1	A	269	ILE	2.2
1	B	222	ILE	2.2
1	A	335	ASP	2.2
1	A	224	ARG	2.2
1	B	258	PHE	2.2
1	B	-1	ALA	2.2
1	A	256	LYS	2.2
1	A	245	LEU	2.2
1	A	268	PHE	2.2
1	A	199	ASN	2.2
1	A	290	CYS	2.2
1	A	203	PHE	2.2
1	A	221	PHE	2.2
1	A	289	LYS	2.2
1	A	238	GLY	2.1
1	A	205	PRO	2.1
1	A	0	MET	2.1
1	B	200	LEU	2.1
1	A	239	ASP	2.1
1	A	337	HIS	2.1
1	A	228	GLU	2.1
1	A	233	GLU	2.1
1	A	303	VAL	2.0
1	A	330	MET	2.0

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

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

6.3 Carbohydrates [i](#)

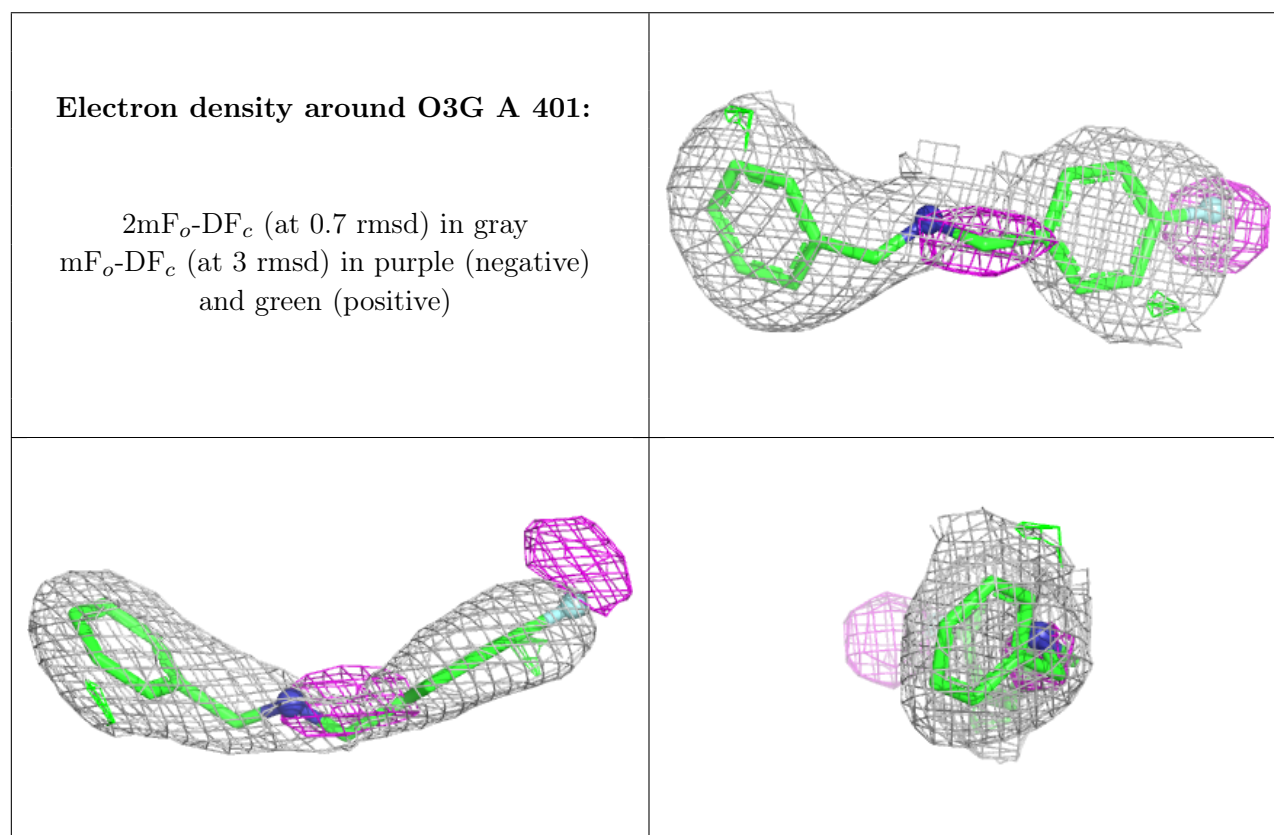
There are no oligosaccharides in this entry.

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.

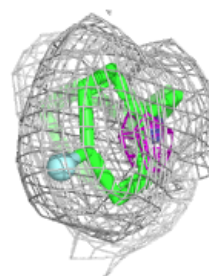
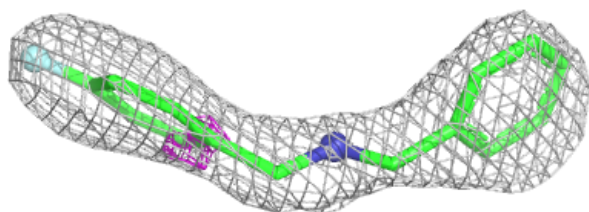
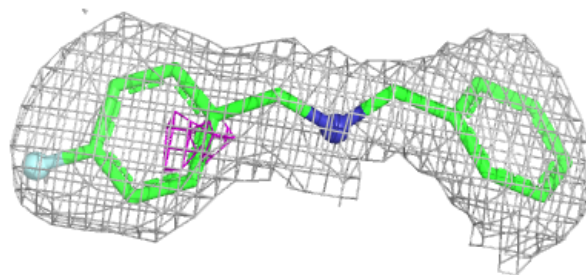
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
2	O3G	A	401	16/16	0.85	0.18	46,47,48,48	16
2	O3G	B	401	16/16	0.89	0.15	40,42,43,43	16

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 O3G B 401:

$2mF_o - DF_c$ (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.