



Full wwPDB X-ray Structure Validation Report ⓘ

Apr 25, 2026 – 07:02 PM EDT

PDB ID : 6XW5 / pdb_00006xw5
Title : Crystal structure of murine norovirus P domain in complex with Nanobody NB-5820
Authors : Kilic, T.; Sabin, C.; Hansman, G.
Deposited on : 2020-01-23
Resolution : 1.72 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 ⓘ](#)) 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
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

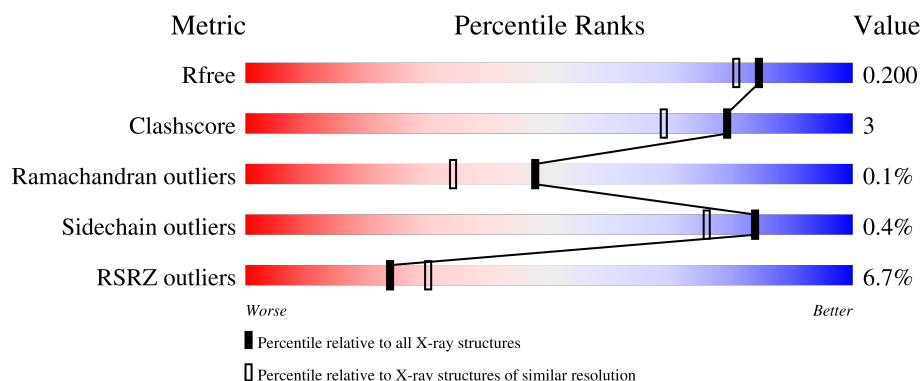
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.72 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	1039 (1.72-1.72)
Clashscore	190562	1049 (1.72-1.72)
Ramachandran outliers	187476	1041 (1.72-1.72)
Sidechain outliers	187428	1041 (1.72-1.72)
RSRZ outliers	180081	1039 (1.72-1.72)

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	306	7% 94% 6%
1	B	306	6% 92% 8%
2	C	123	10% 87% 8% 5%
2	D	123	4% 89% 7% ••

2 Entry composition [i](#)

There are 5 unique types of molecules in this entry. The entry contains 7347 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.

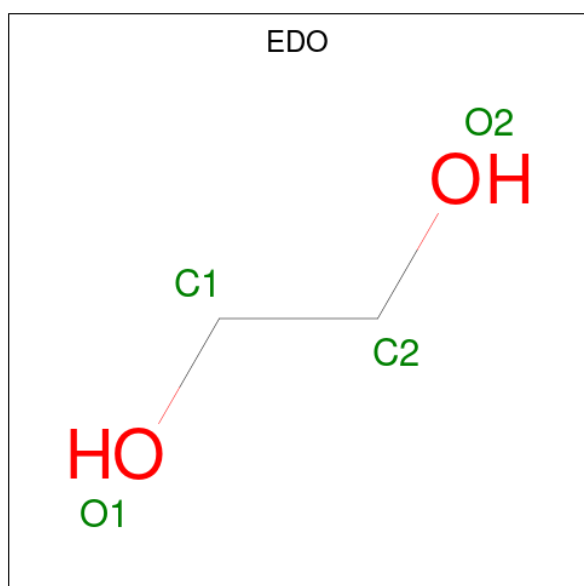
- Molecule 1 is a protein called Capsid protein.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	305	Total	C	N	O	S	0	3	0
			2372	1520	395	450	7			
1	B	306	Total	C	N	O	S	0	7	0
			2413	1547	401	458	7			

- Molecule 2 is a protein called Nanobody NB-5820.

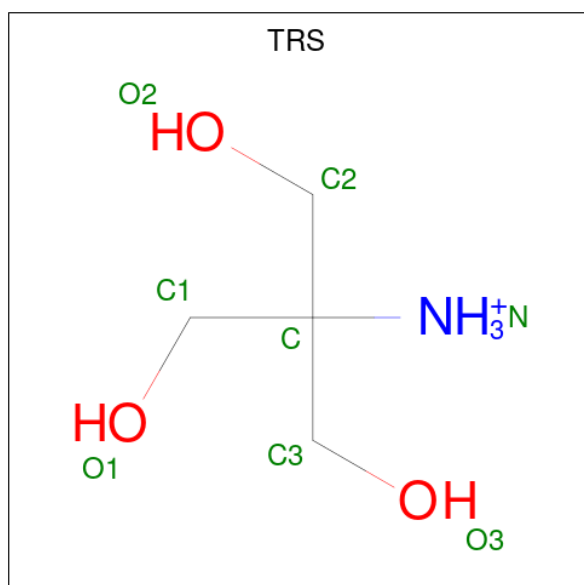
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	C	117	Total	C	N	O	S	0	1	0
			887	549	158	174	6			
2	D	120	Total	C	N	O	S	5	2	0
			919	570	166	176	7			

- Molecule 3 is 1,2-ETHANEDIOL (CCD ID: EDO) (formula: C₂H₆O₂).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	A	1	Total	C	O	0	0
			4	2	2		
3	A	1	Total	C	O	0	0
			4	2	2		
3	A	1	Total	C	O	0	0
			4	2	2		
3	B	1	Total	C	O	0	0
			4	2	2		
3	B	1	Total	C	O	0	0
			4	2	2		
3	B	1	Total	C	O	0	0
			4	2	2		
3	B	1	Total	C	O	0	0
			4	2	2		
3	C	1	Total	C	O	0	0
			4	2	2		
3	C	1	Total	C	O	0	0
			4	2	2		

- Molecule 4 is 2-AMINO-2-HYDROXYMETHYL-PROPANE-1,3-DIOL (CCD ID: TRS) (formula: C₄H₁₂NO₃).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
4	A	1	Total	C	N	O	0	0
			8	4	1	3		

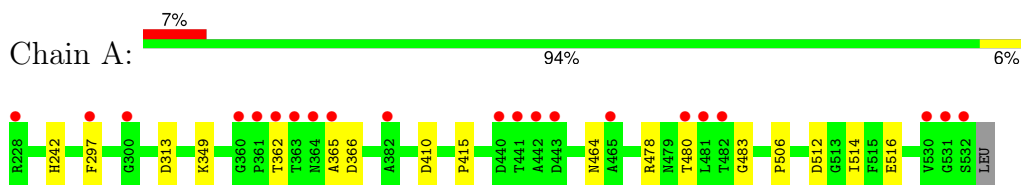
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	259	Total 259	O 259	0	0
5	B	254	Total 254	O 254	0	0
5	C	107	Total 107	O 107	0	0
5	D	92	Total 92	O 92	0	0

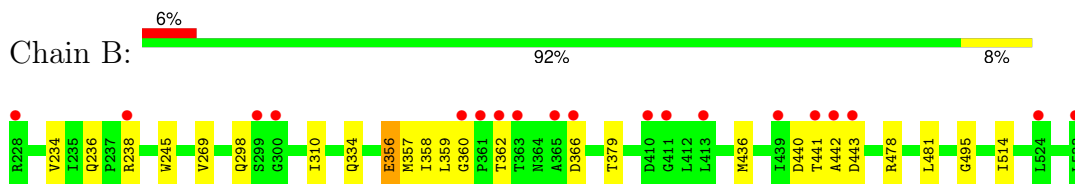
3 Residue-property plots [i](#)

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.

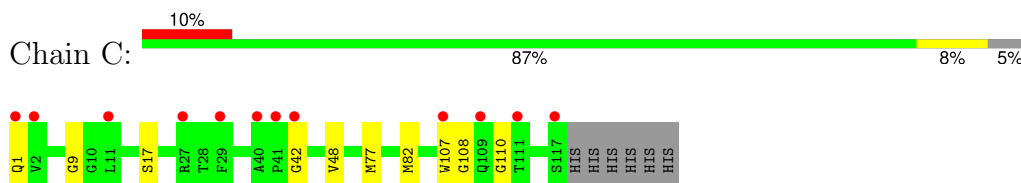
- Molecule 1: Capsid protein



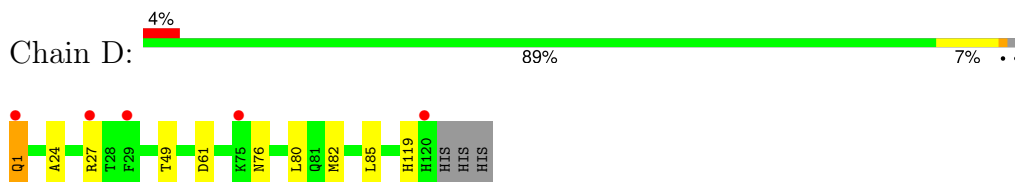
- Molecule 1: Capsid protein



- Molecule 2: Nanobody NB-5820



- Molecule 2: Nanobody NB-5820



4 Data and refinement statistics

Property	Value	Source
Space group	P 41 21 2	Depositor
Cell constants a, b, c, α , β , γ	101.72Å 101.72Å 228.52Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.86 – 1.72 49.86 – 1.72	Depositor EDS
% Data completeness (in resolution range)	99.9 (49.86-1.72) 100.0 (49.86-1.72)	Depositor EDS
R_{merge}	0.07	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.39 (at 1.72Å)	Xtriage
Refinement program	REFMAC 5.8.0238	Depositor
R, R_{free}	0.161 , 0.191 0.173 , 0.200	Depositor DCC
R_{free} test set	6299 reflections (4.78%)	wwPDB-VP
Wilson B-factor (Å ²)	23.2	Xtriage
Anisotropy	0.543	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.33 , 30.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.97	EDS
Total number of atoms	7347	wwPDB-VP
Average B, all atoms (Å ²)	30.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.90% 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: EDO, TRS

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	1.04	1/2435 (0.0%)	1.15	4/3332 (0.1%)
1	B	1.04	0/2476	1.13	3/3388 (0.1%)
2	C	1.13	1/903 (0.1%)	1.27	6/1219 (0.5%)
2	D	1.08	0/944	1.31	1/1274 (0.1%)
All	All	1.06	2/6758 (0.0%)	1.18	14/9213 (0.2%)

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	C	108	GLY	C-O	-5.81	1.18	1.23
1	A	242	HIS	CE1-NE2	5.55	1.38	1.32

All (14) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	9	GLY	CA-C-O	-7.50	116.90	122.37
1	A	464	ASN	CA-C-N	-6.08	114.88	123.03
1	A	464	ASN	C-N-CA	-6.08	114.88	123.03
2	C	48	VAL	CA-C-O	-5.82	115.75	120.70
2	D	119	HIS	CA-C-O	-5.81	115.68	122.37
2	C	108	GLY	N-CA-C	-5.58	104.04	112.41
2	C	107	TRP	CA-CB-CG	-5.49	103.18	113.60
2	C	110	GLY	CA-C-O	-5.43	117.64	121.88
1	A	415	PRO	CB-CA-C	-5.36	104.97	111.46
1	B	478	ARG	CG-CD-NE	-5.35	100.23	112.00
1	B	310	ILE	CA-C-O	-5.26	116.42	121.63
1	A	506	PRO	N-CA-CB	5.14	107.88	103.31
1	B	356	GLU	CB-CG-CD	5.12	121.30	112.60
2	C	9	GLY	N-CA-C	-5.01	107.02	112.08

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	2372	0	2322	11	0
1	B	2413	0	2363	19	0
2	C	887	0	856	5	0
2	D	919	0	887	5	0
3	A	12	0	17	0	0
3	B	16	0	23	0	0
3	C	8	0	12	1	0
4	A	8	0	12	1	0
5	A	259	0	0	0	0
5	B	254	0	0	0	0
5	C	107	0	0	2	0
5	D	92	0	0	0	0
All	All	7347	0	6492	36	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 (36) 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:356:GLU:HG3	1:B:379:THR:HG21	1.35	1.04
2:C:77[B]:MET:HE3	3:C:700:EDO:O1	1.63	0.98
1:B:234:VAL:HG13	1:B:514[A]:ILE:HG21	1.61	0.82
1:B:334[A]:GLN:HE21	1:B:356:GLU:CD	1.91	0.78
1:A:362:THR:OG1	1:A:365:ALA:HB2	1.86	0.74
2:D:1:GLN:HE21	2:D:27:ARG:NH1	1.86	0.73
1:A:480:THR:HG23	1:A:512:ASP:O	1.95	0.67
1:B:334[A]:GLN:NE2	1:B:356:GLU:CD	2.57	0.63
1:B:298:GLN:NE2	1:B:366:ASP:OD2	2.30	0.62
1:A:313:ASP:OD2	1:B:238[A]:ARG:HD3	2.00	0.60
1:B:356:GLU:HG3	1:B:379:THR:CG2	2.21	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:42:GLY:HA3	5:C:834:HOH:O	2.03	0.59
2:D:82[A]:MET:HE2	2:D:85:LEU:HD21	1.92	0.52
1:A:478[A]:ARG:HD2	1:A:516:GLU:OE1	2.10	0.52
1:B:481:LEU:O	2:C:1:GLN:HB2	2.11	0.50
1:B:234:VAL:HG13	1:B:514[A]:ILE:CG2	2.40	0.48
1:A:362:THR:OG1	1:A:365:ALA:CB	2.60	0.48
1:A:480:THR:O	2:D:1:GLN:HB3	2.15	0.47
1:B:440:ASP:O	1:B:442:ALA:N	2.49	0.46
1:B:234:VAL:HG13	1:B:514[B]:ILE:HG21	1.96	0.46
1:A:349:LYS:NZ	1:B:443:ASP:HB3	2.31	0.45
1:A:478[B]:ARG:NH2	1:A:483:GLY:O	2.49	0.45
1:A:514:ILE:C	1:A:514:ILE:HD12	2.43	0.43
2:C:1:GLN:NE2	5:C:803:HOH:O	2.51	0.43
1:B:236:GLN:HB3	1:B:238[B]:ARG:HG2	2.00	0.43
1:A:297:PHE:N	4:A:603:TRS:O1	2.52	0.42
1:B:334[B]:GLN:HG2	1:B:358:ILE:HD13	2.01	0.42
1:A:366:ASP:N	1:A:366:ASP:OD1	2.53	0.42
1:B:514[B]:ILE:HD13	1:B:514[B]:ILE:HA	1.81	0.42
1:B:360:GLY:C	1:B:362:THR:H	2.27	0.42
1:B:357:MET:HE3	1:B:359:LEU:HD21	2.02	0.42
2:C:17:SER:HA	2:C:82:MET:O	2.20	0.41
2:D:24:ALA:HB3	2:D:76:ASN:HB3	2.02	0.41
1:B:245:TRP:CD2	1:B:436:MET:HG2	2.56	0.40
2:D:49:THR:HG21	2:D:80:LEU:HD13	2.03	0.40
1:B:269:VAL:O	1:B:495:GLY:HA3	2.22	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	306/306 (100%)	297 (97%)	9 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	B	311/306 (102%)	300 (96%)	10 (3%)	1 (0%)	36	24
2	C	116/123 (94%)	115 (99%)	1 (1%)	0	100	100
2	D	120/123 (98%)	118 (98%)	2 (2%)	0	100	100
All	All	853/858 (99%)	830 (97%)	22 (3%)	1 (0%)	48	34

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	441	THR

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	254/252 (101%)	253 (100%)	1 (0%)	84	76
1	B	259/252 (103%)	259 (100%)	0	100	100
2	C	92/97 (95%)	92 (100%)	0	100	100
2	D	96/97 (99%)	94 (98%)	2 (2%)	47	23
All	All	701/698 (100%)	698 (100%)	3 (0%)	84	76

All (3) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	410	ASP
2	D	1	GLN
2	D	61	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (8) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	526	GLN
1	B	263	GLN

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Mol	Chain	Res	Type
1	B	340	GLN
1	B	402	GLN
1	B	526	GLN
2	D	1	GLN
2	D	13	GLN
2	D	76	ASN

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 oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

10 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	$\# Z > 2$
3	EDO	A	602	-	3,3,3	0.79	0	2,2,2	0.58	0
3	EDO	A	601	-	3,3,3	0.30	0	2,2,2	0.13	0
3	EDO	B	604	-	3,3,3	0.47	0	2,2,2	0.15	0
3	EDO	C	701	-	3,3,3	0.19	0	2,2,2	0.74	0
3	EDO	C	700	-	3,3,3	0.40	0	2,2,2	0.53	0
3	EDO	B	602	-	3,3,3	0.09	0	2,2,2	0.41	0
3	EDO	B	601	-	3,3,3	0.72	0	2,2,2	0.34	0
4	TRS	A	603	-	7,7,7	0.27	0	9,9,9	0.69	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
3	EDO	A	604	-	3,3,3	0.27	0	2,2,2	0.51	0
3	EDO	B	603	-	3,3,3	0.82	0	2,2,2	0.37	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	EDO	A	602	-	-	0/1/1/1	-
3	EDO	A	601	-	-	0/1/1/1	-
3	EDO	B	604	-	-	1/1/1/1	-
3	EDO	C	701	-	-	1/1/1/1	-
3	EDO	C	700	-	-	0/1/1/1	-
3	EDO	B	602	-	-	0/1/1/1	-
3	EDO	B	601	-	-	0/1/1/1	-
4	TRS	A	603	-	-	0/9/9/9	-
3	EDO	A	604	-	-	0/1/1/1	-
3	EDO	B	603	-	-	0/1/1/1	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	B	604	EDO	O1-C1-C2-O2
3	C	701	EDO	O1-C1-C2-O2

There are no ring outliers.

2 monomers are involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	C	700	EDO	1	0
4	A	603	TRS	1	0

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	305/306 (99%)	0.03	21 (6%)	23 28	10, 24, 57, 102	3 (0%)
1	B	306/306 (100%)	0.17	19 (6%)	26 32	11, 26, 53, 99	7 (2%)
2	C	117/123 (95%)	0.58	12 (10%)	12 16	12, 30, 57, 69	1 (0%)
2	D	120/123 (97%)	0.46	5 (4%)	40 48	18, 28, 49, 69	2 (1%)
All	All	848/858 (98%)	0.22	57 (6%)	24 30	10, 26, 55, 102	13 (1%)

All (57) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	481	LEU	6.1
1	A	365	ALA	5.9
1	B	441	THR	5.3
1	B	362	THR	4.7
2	D	120	HIS	4.6
2	C	29	PHE	4.4
2	D	29	PHE	4.4
1	A	228	ARG	4.3
2	C	42	GLY	4.2
1	A	363	THR	4.2
1	B	360	GLY	4.0
1	B	361	PRO	4.0
2	C	1	GLN	3.9
2	C	109	GLN	3.9
1	B	533	LEU	3.8
2	C	41	PRO	3.8
1	A	442	ALA	3.5
2	C	40	ALA	3.4
2	C	27	ARG	3.4
2	D	1	GLN	3.3
1	A	480	THR	3.2

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Mol	Chain	Res	Type	RSRZ
1	B	413	LEU	3.2
2	C	117	SER	3.2
1	B	363	THR	3.1
2	C	2	VAL	2.8
1	A	362	THR	2.8
1	B	442	ALA	2.7
2	D	27	ARG	2.7
1	B	365	ALA	2.7
1	A	532	SER	2.7
1	A	360	GLY	2.7
1	B	439	ILE	2.6
1	B	238[A]	ARG	2.6
1	A	364	ASN	2.6
1	A	361	PRO	2.6
1	A	465	ALA	2.5
2	D	75	LYS	2.4
1	B	300	GLY	2.4
1	A	441	THR	2.4
1	A	300	GLY	2.4
1	A	440	ASP	2.3
1	B	366	ASP	2.2
1	A	531	GLY	2.2
2	C	107	TRP	2.2
1	B	411	GLY	2.2
2	C	11	LEU	2.2
1	A	482	THR	2.1
1	B	228	ARG	2.1
2	C	111	THR	2.1
1	A	530	VAL	2.1
1	A	443	ASP	2.1
1	A	297	PHE	2.1
1	A	382	ALA	2.0
1	B	410	ASP	2.0
1	B	524	LEU	2.0
1	B	443	ASP	2.0
1	B	299	SER	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($\text{\AA}^2$)	Q<0.9
3	EDO	B	604	4/4	0.87	0.16	38,44,44,44	0
3	EDO	A	604	4/4	0.92	0.12	36,36,44,48	0
4	TRS	A	603	8/8	0.92	0.10	42,44,46,46	0
3	EDO	C	701	4/4	0.93	0.14	23,34,39,52	0
3	EDO	B	601	4/4	0.94	0.11	28,37,39,42	0
3	EDO	C	700	4/4	0.94	0.09	29,30,35,39	0
3	EDO	A	601	4/4	0.95	0.08	32,33,35,35	0
3	EDO	A	602	4/4	0.96	0.08	21,27,28,34	0
3	EDO	B	602	4/4	0.97	0.08	25,29,32,38	0
3	EDO	B	603	4/4	0.97	0.11	19,22,26,28	0

6.5 Other polymers [i](#)

There are no such residues in this entry.