



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 20, 2026 – 02:20 PM UTC

PDB ID : 8DCM / pdb_00008dcm
Title : Crystal structure of Clostridioides difficile binary toxin proCDTb lacking D4
in complex with BINTOXB/22 Fab
Authors : Goldsmith, J.A.; McLellan, J.S.
Deposited on : 2022-06-16
Resolution : 2.50 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
Xtrriage (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

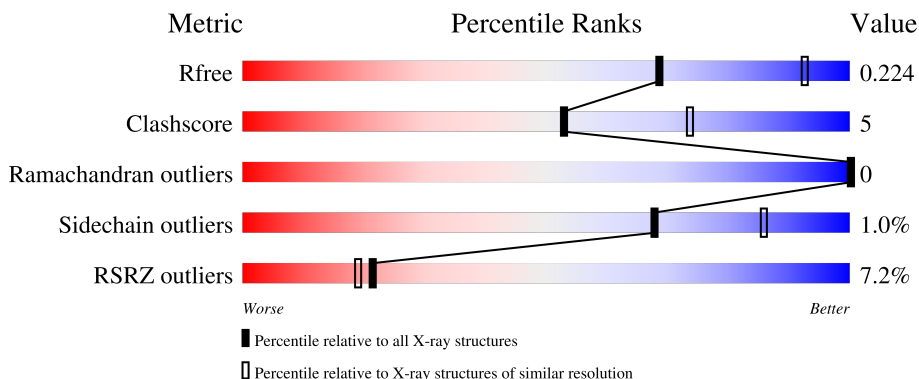
1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.50 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	5829 (2.50-2.50)
Clashscore	190562	6492 (2.50-2.50)
Ramachandran outliers	187476	6378 (2.50-2.50)
Sidechain outliers	187428	6380 (2.50-2.50)
RSRZ outliers	180081	5833 (2.50-2.50)

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	229	 7% 83% 13%
2	B	212	 5% 87% 13%
3	C	711	 8% 84% 13%

2 Entry composition

There are 6 unique types of molecules in this entry. The entry contains 9076 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 BINTOXB/22 Fab heavy chain.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	220	1678	1066	272	330	10	0	0	0

- Molecule 2 is a protein called BINTOXB/22 Fab light chain.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	B	212	1646	1026	273	339	8	0	0	0

- Molecule 3 is a protein called ADP-ribosylating binary toxin binding subunit CdtB.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
3	C	695	5489	3436	894	1147	12	0	0	0

There are 7 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C	42	MET	-	initiating methionine	UNP A8DS70
C	747	HIS	-	expression tag	UNP A8DS70
C	748	HIS	-	expression tag	UNP A8DS70
C	749	HIS	-	expression tag	UNP A8DS70
C	750	HIS	-	expression tag	UNP A8DS70
C	751	HIS	-	expression tag	UNP A8DS70
C	752	HIS	-	expression tag	UNP A8DS70

- Molecule 4 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	C	3	Total	Ca	0	0
			3	3		

- Molecule 5 is SODIUM ION (CCD ID: NA) (formula: Na).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	C	1	Total 1	Na 1	0	0

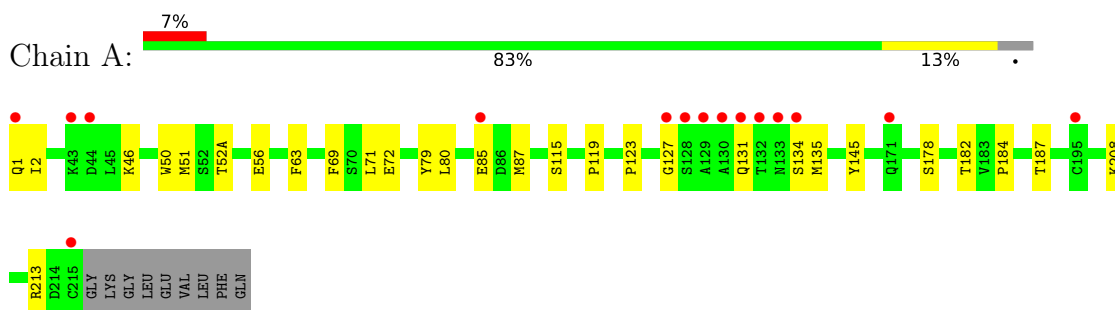
- Molecule 6 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	A	56	Total 56	O 56	0	0
6	B	53	Total 53	O 53	0	0
6	C	150	Total 150	O 150	0	0

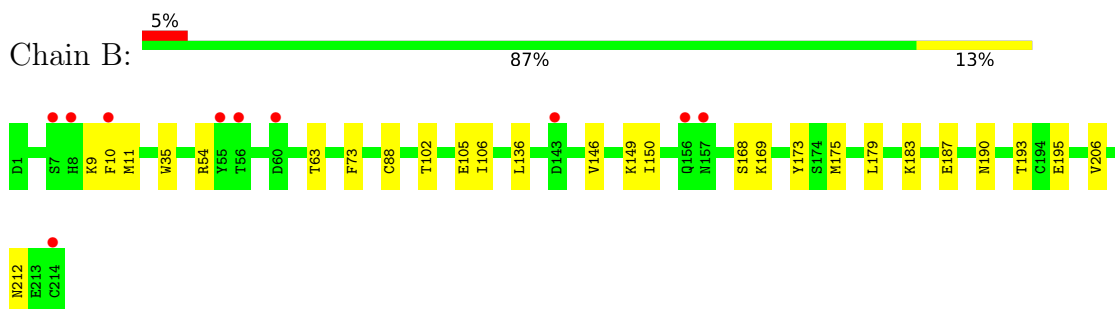
3 Residue-property plots [i](#)

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.

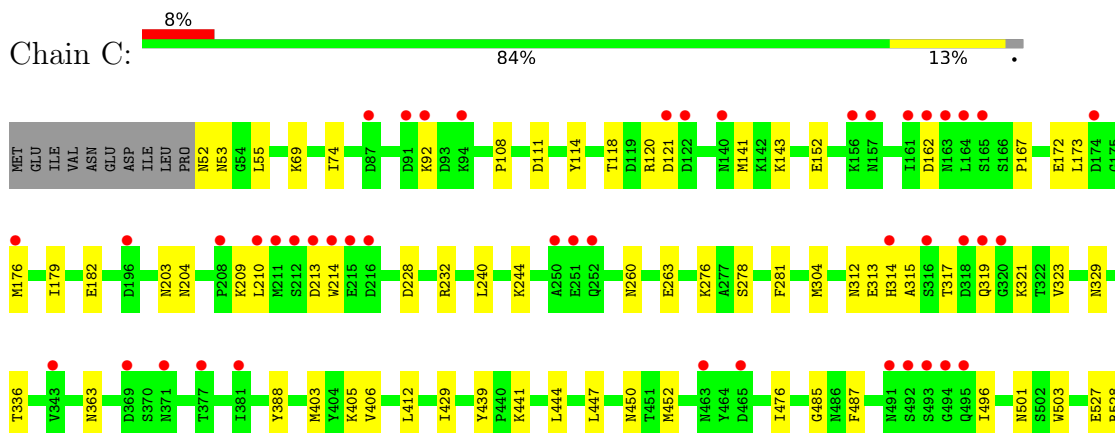
- Molecule 1: BINTOXB/22 Fab heavy chain

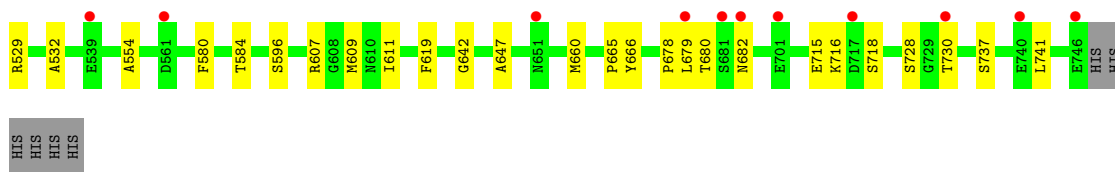


- Molecule 2: BINTOXB/22 Fab light chain



- Molecule 3: ADP-ribosylating binary toxin binding subunit CdtB





HIS
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HIS

4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	70.23Å 118.48Å 166.12Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	59.24 – 2.50 59.24 – 2.50	Depositor EDS
% Data completeness (in resolution range)	93.8 (59.24-2.50) 93.7 (59.24-2.50)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	4.59 (at 2.51Å)	Xtrriage
Refinement program	PHENIX 1.19.2	Depositor
R, R_{free}	0.198 , 0.227 0.197 , 0.224	Depositor DCC
R_{free} test set	2206 reflections (4.52%)	wwPDB-VP
Wilson B-factor (Å ²)	28.1	Xtrriage
Anisotropy	0.363	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 24.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	9076	wwPDB-VP
Average B, all atoms (Å ²)	35.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.38% 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, NA

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	0.14	0/1725	0.36	0/2357
2	B	0.14	0/1684	0.35	0/2287
3	C	0.13	0/5588	0.34	0/7571
All	All	0.14	0/8997	0.35	0/12215

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

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	1678	0	1626	18	1
2	B	1646	0	1557	18	0
3	C	5489	0	5339	52	0
4	C	3	0	0	0	0
5	C	1	0	0	0	0
6	A	56	0	0	0	0
6	B	53	0	0	1	0
6	C	150	0	0	1	0
All	All	9076	0	8522	87	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 (87) 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)
3:C:118:THR:HG22	3:C:120:ARG:H	1.45	0.80
1:A:131:GLN:HE21	1:A:134:SER:HA	1.49	0.77
3:C:111:ASP:OD1	3:C:143:LYS:N	2.18	0.73
1:A:123:PRO:HD3	1:A:208:LYS:HE2	1.75	0.68
2:B:195:GLU:HG3	2:B:206:VAL:HG22	1.77	0.64
3:C:108:PRO:HG3	3:C:141:MET:HB3	1.81	0.63
1:A:135:MET:HE3	1:A:182:THR:HG22	1.80	0.63
1:A:131:GLN:NE2	1:A:134:SER:HA	2.14	0.62
3:C:642:GLY:HA2	3:C:647:ALA:HB2	1.83	0.60
1:A:56:GLU:OE2	3:C:716:LYS:HE2	2.02	0.59
2:B:136:LEU:HB2	2:B:175:MET:HG3	1.85	0.58
3:C:315:ALA:HB1	3:C:450:ASN:HB2	1.86	0.57
3:C:441:LYS:HB2	3:C:444:LEU:HD23	1.88	0.56
3:C:92:LYS:HD2	3:C:162:ASP:HB2	1.88	0.55
2:B:168:SER:OG	2:B:169:LYS:HE2	2.09	0.52
3:C:665:PRO:HG3	3:C:716:LYS:HG2	1.91	0.52
1:A:52(A):THR:HA	1:A:71:LEU:HD21	1.92	0.51
3:C:678:PRO:HG2	3:C:679:LEU:HD23	1.92	0.50
2:B:35:TRP:CD2	2:B:73:PHE:HB2	2.47	0.50
3:C:329:ASN:HB2	3:C:363:ASN:OD1	2.11	0.50
1:A:72:GLU:HB2	1:A:79:TYR:HE2	1.76	0.49
3:C:679:LEU:HD21	3:C:730:THR:HG21	1.95	0.49
2:B:183:LYS:O	2:B:187:GLU:HG3	2.11	0.49
3:C:240:LEU:HD23	3:C:278:SER:HB2	1.95	0.48
3:C:53:ASN:HB3	3:C:182:GLU:HG2	1.95	0.48
3:C:317:THR:HG22	3:C:319:GLN:H	1.78	0.48
3:C:447:LEU:HD21	3:C:452:MET:HE3	1.95	0.48
2:B:9:LYS:NZ	6:B:301:HOH:O	2.26	0.47
3:C:584:THR:HG23	3:C:609:MET:HG2	1.95	0.47
2:B:175:MET:HE2	2:B:175:MET:HB2	1.71	0.47
2:B:35:TRP:CE2	2:B:73:PHE:HB2	2.50	0.47
3:C:487:PHE:HB3	3:C:503:TRP:CE2	2.50	0.47
2:B:54:ARG:HH21	2:B:63:THR:HG22	1.79	0.47
3:C:260:ASN:HB3	3:C:263:GLU:HB2	1.97	0.47
3:C:580:PHE:CE1	3:C:611:ILE:HG23	2.50	0.47
1:A:127:GLY:HA2	1:A:213:ARG:H	1.80	0.47
2:B:150:ILE:HD11	2:B:179:LEU:HD21	1.97	0.47
3:C:412:LEU:HD21	3:C:476:ILE:HD12	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:105:GLU:HG2	2:B:106:ILE:N	2.29	0.46
1:A:51:MET:HG2	1:A:71:LEU:HD13	1.97	0.46
2:B:190:ASN:OD1	2:B:212:ASN:HB2	2.15	0.46
3:C:52:ASN:N	3:C:52:ASN:OD1	2.48	0.46
1:A:119:PRO:HB3	1:A:145:TYR:HB3	1.97	0.46
3:C:405:LYS:NZ	6:C:910:HOH:O	2.49	0.46
2:B:105:GLU:HG3	2:B:173:TYR:OH	2.15	0.46
3:C:203:ASN:OD1	3:C:209:LYS:HE2	2.16	0.46
3:C:69:LYS:HD2	3:C:244:LYS:HZ1	1.81	0.45
3:C:276:LYS:HA	3:C:281:PHE:CE2	2.52	0.45
3:C:321:LYS:HA	3:C:321:LYS:HD2	1.73	0.45
3:C:312:ASN:CG	3:C:314:HIS:HD1	2.24	0.45
3:C:682:ASN:ND2	3:C:728:SER:HB2	2.32	0.44
1:A:87:MET:HE2	1:A:87:MET:HB2	1.71	0.44
3:C:313:GLU:HB2	3:C:388:TYR:CE1	2.52	0.44
3:C:666:TYR:OH	3:C:715:GLU:HG3	2.18	0.44
1:A:46:LYS:HE3	1:A:63:PHE:HE2	1.83	0.44
1:A:1:GLN:HB3	1:A:2:ILE:H	1.70	0.44
2:B:146:VAL:HG21	2:B:175:MET:SD	2.58	0.44
3:C:55:LEU:HB2	3:C:74:ILE:HD11	2.00	0.43
3:C:429:ILE:HA	3:C:439:TYR:CE2	2.54	0.43
3:C:336:THR:OG1	3:C:741:LEU:O	2.29	0.43
2:B:149:LYS:HB2	2:B:193:THR:OG1	2.19	0.43
1:A:71:LEU:HD12	1:A:71:LEU:HA	1.91	0.43
3:C:172:GLU:HA	3:C:176:MET:O	2.20	0.42
3:C:315:ALA:CB	3:C:450:ASN:HB2	2.49	0.42
3:C:528:ARG:HG3	3:C:554:ALA:HB1	2.01	0.42
2:B:11:MET:HE3	2:B:102:THR:HG21	2.01	0.42
3:C:228:ASP:O	3:C:232:ARG:HG3	2.19	0.42
3:C:660:MET:HG3	3:C:718:SER:HB2	2.02	0.42
3:C:304:MET:HE3	3:C:304:MET:HB2	1.88	0.42
1:A:184:PRO:HB2	1:A:187:THR:HG23	2.00	0.42
2:B:35:TRP:CH2	2:B:88:CYS:HB3	2.55	0.42
1:A:50:TRP:CD1	1:A:50:TRP:C	2.97	0.42
3:C:403:MET:SD	3:C:485:GLY:HA3	2.60	0.41
3:C:679:LEU:HD23	3:C:679:LEU:H	1.85	0.41
3:C:114:TYR:CZ	3:C:173:LEU:HD22	2.55	0.41
3:C:527:GLU:HG2	3:C:529:ARG:HH12	1.84	0.41
3:C:120:ARG:HD3	3:C:167:PRO:HG3	2.03	0.41
3:C:496:ILE:HD13	3:C:496:ILE:HA	1.87	0.41
3:C:532:ALA:HB3	3:C:607:ARG:HA	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:169:LYS:HA	2:B:169:LYS:HD3	1.77	0.41
1:A:69:PHE:HE1	1:A:80:LEU:HD13	1.85	0.40
3:C:210:LEU:HB2	3:C:213:ASP:CG	2.45	0.40
3:C:715:GLU:CD	3:C:715:GLU:H	2.27	0.40
1:A:69:PHE:CE1	1:A:80:LEU:HD13	2.56	0.40
3:C:152:GLU:OE1	3:C:204:ASN:HB2	2.21	0.40
3:C:487:PHE:CZ	3:C:501:ASN:HB3	2.57	0.40
3:C:619:PHE:HD1	3:C:737:SER:HB3	1.87	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)
1:A:115:SER:OG	1:A:131:GLN:OE1[4_445]	1.98	0.22

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	218/229 (95%)	210 (96%)	8 (4%)	0	100	100
2	B	210/212 (99%)	204 (97%)	6 (3%)	0	100	100
3	C	693/711 (98%)	665 (96%)	28 (4%)	0	100	100
All	All	1121/1152 (97%)	1079 (96%)	42 (4%)	0	100	100

There are no Ramachandran outliers to report.

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	189/196 (96%)	187 (99%)	2 (1%)	65	84
2	B	188/188 (100%)	187 (100%)	1 (0%)	81	92
3	C	624/641 (97%)	617 (99%)	7 (1%)	65	84
All	All	1001/1025 (98%)	991 (99%)	10 (1%)	68	86

All (10) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	85	GLU
1	A	178	SER
2	B	10	PHE
3	C	121	ASP
3	C	179	ILE
3	C	214	TRP
3	C	323	VAL
3	C	406	VAL
3	C	596	SER
3	C	680	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (12) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	1	GLN
1	A	39	GLN
1	A	131	GLN
2	B	38	GLN
3	C	53	ASN
3	C	157	ASN
3	C	184	ASN
3	C	352	ASN
3	C	356	ASN
3	C	368	GLN
3	C	475	GLN
3	C	682	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](#)

Of 4 ligands modelled in this entry, 4 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

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	220/229 (96%)	0.30	15 (6%) 23 20	19, 27, 62, 93	0
2	B	212/212 (100%)	0.44	10 (4%) 36 32	19, 31, 51, 89	0
3	C	695/711 (97%)	0.51	56 (8%) 18 15	20, 34, 64, 117	0
All	All	1127/1152 (97%)	0.46	81 (7%) 21 19	19, 32, 62, 117	0

All (81) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
3	C	214	TRP	6.6
3	C	493	SER	5.9
3	C	316	SER	5.5
1	A	128	SER	4.6
3	C	494	GLY	4.5
3	C	492	SER	4.4
1	A	130	ALA	4.3
1	A	127	GLY	4.2
2	B	214	CYS	4.2
3	C	318	ASP	4.2
3	C	211	MET	4.1
3	C	651	ASN	4.1
1	A	215	CYS	3.8
3	C	213	ASP	3.8
3	C	343	VAL	3.7
3	C	314	HIS	3.7
1	A	85	GLU	3.7
3	C	251	GLU	3.6
1	A	132	THR	3.6
3	C	196	ASP	3.6
2	B	55	TYR	3.5
3	C	210	LEU	3.4
2	B	7	SER	3.4

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Mol	Chain	Res	Type	RSRZ
2	B	10	PHE	3.3
3	C	122	ASP	3.3
3	C	491	ASN	3.3
3	C	163	ASN	3.3
2	B	157	ASN	3.2
3	C	157	ASN	3.1
3	C	174	ASP	3.1
1	A	129	ALA	3.1
3	C	730	THR	3.0
3	C	162	ASP	3.0
3	C	561	ASP	3.0
2	B	143	ASP	2.9
1	A	134	SER	2.9
1	A	43	LYS	2.9
1	A	131	GLN	2.9
3	C	165	SER	2.8
3	C	463	ASN	2.8
2	B	56	THR	2.8
2	B	156	GLN	2.8
3	C	717	ASP	2.8
3	C	215	GLU	2.7
3	C	746	GLU	2.7
1	A	1	GLN	2.7
3	C	216	ASP	2.7
3	C	495	GLN	2.7
3	C	682	ASN	2.6
2	B	60	ASP	2.6
3	C	164	LEU	2.6
1	A	195	CYS	2.6
3	C	208	PRO	2.5
3	C	121	ASP	2.5
3	C	381	ILE	2.5
3	C	681	SER	2.5
3	C	539	GLU	2.5
3	C	701	GLU	2.4
3	C	320	GLY	2.4
1	A	133	ASN	2.4
3	C	679	LEU	2.4
3	C	176	MET	2.4
3	C	161	ILE	2.3
3	C	250	ALA	2.3
3	C	140	ASN	2.3

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Mol	Chain	Res	Type	RSRZ
3	C	252	GLN	2.2
3	C	92	LYS	2.2
3	C	371	ASN	2.2
3	C	91	ASP	2.2
3	C	369	ASP	2.2
2	B	8	HIS	2.1
3	C	377	THR	2.1
3	C	319	GLN	2.1
3	C	740	GLU	2.1
3	C	212	SER	2.1
1	A	171	GLN	2.1
3	C	87	ASP	2.0
3	C	465	ASP	2.0
3	C	94	LYS	2.0
3	C	156	LYS	2.0
1	A	44	ASP	2.0

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
5	NA	C	804	1/1	0.91	0.08	40,40,40,40	0
4	CA	C	803	1/1	0.92	0.20	57,57,57,57	0
4	CA	C	802	1/1	0.95	0.12	36,36,36,36	0
4	CA	C	801	1/1	0.96	0.05	30,30,30,30	0

6.5 Other polymers [i](#)

There are no such residues in this entry.