



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 5, 2026 – 06:37 AM UTC

PDB ID : 4I79 / pdb_00004i79
Title : Crystal structure of human NUP43
Authors : Xu, C.; Tempel, W.; Li, Z.; He, H.; Wernimont, A.K.; Bountra, C.; Arrow-smith, C.H.; Edwards, A.M.; Min, J.; Structural Genomics Consortium (SGC)
Deposited on : 2012-11-30
Resolution : 1.75 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
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

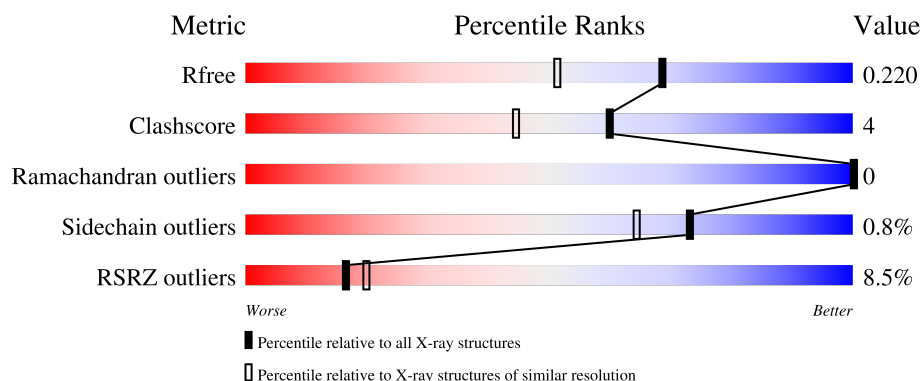
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

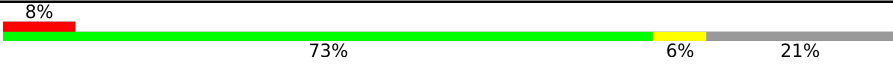
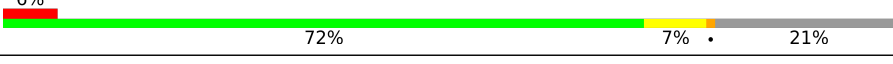
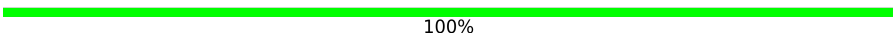
The reported resolution of this entry is 1.75 Å.

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	3183 (1.76-1.76)
Clashscore	190562	3299 (1.76-1.76)
Ramachandran outliers	187476	3274 (1.76-1.76)
Sidechain outliers	187428	3274 (1.76-1.76)
RSRZ outliers	180081	3183 (1.76-1.76)

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	399	
1	B	399	
2	C	9	

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 5444 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 Nucleoporin Nup43.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	316	Total	C	N	O	S	0	22	0
			2502	1594	430	466	12			
1	B	316	Total	C	N	O	S	0	33	1
			2587	1639	447	488	13			

There are 38 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-18	MET	-	expression tag	UNP Q8NFH3
A	-17	GLY	-	expression tag	UNP Q8NFH3
A	-16	SER	-	expression tag	UNP Q8NFH3
A	-15	SER	-	expression tag	UNP Q8NFH3
A	-14	HIS	-	expression tag	UNP Q8NFH3
A	-13	HIS	-	expression tag	UNP Q8NFH3
A	-12	HIS	-	expression tag	UNP Q8NFH3
A	-11	HIS	-	expression tag	UNP Q8NFH3
A	-10	HIS	-	expression tag	UNP Q8NFH3
A	-9	HIS	-	expression tag	UNP Q8NFH3
A	-8	SER	-	expression tag	UNP Q8NFH3
A	-7	SER	-	expression tag	UNP Q8NFH3
A	-6	GLY	-	expression tag	UNP Q8NFH3
A	-5	LEU	-	expression tag	UNP Q8NFH3
A	-4	VAL	-	expression tag	UNP Q8NFH3
A	-3	PRO	-	expression tag	UNP Q8NFH3
A	-2	ARG	-	expression tag	UNP Q8NFH3
A	-1	GLY	-	expression tag	UNP Q8NFH3
A	0	SER	-	expression tag	UNP Q8NFH3
B	-18	MET	-	expression tag	UNP Q8NFH3
B	-17	GLY	-	expression tag	UNP Q8NFH3
B	-16	SER	-	expression tag	UNP Q8NFH3
B	-15	SER	-	expression tag	UNP Q8NFH3
B	-14	HIS	-	expression tag	UNP Q8NFH3
B	-13	HIS	-	expression tag	UNP Q8NFH3

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Chain	Residue	Modelled	Actual	Comment	Reference
B	-12	HIS	-	expression tag	UNP Q8NFH3
B	-11	HIS	-	expression tag	UNP Q8NFH3
B	-10	HIS	-	expression tag	UNP Q8NFH3
B	-9	HIS	-	expression tag	UNP Q8NFH3
B	-8	SER	-	expression tag	UNP Q8NFH3
B	-7	SER	-	expression tag	UNP Q8NFH3
B	-6	GLY	-	expression tag	UNP Q8NFH3
B	-5	LEU	-	expression tag	UNP Q8NFH3
B	-4	VAL	-	expression tag	UNP Q8NFH3
B	-3	PRO	-	expression tag	UNP Q8NFH3
B	-2	ARG	-	expression tag	UNP Q8NFH3
B	-1	GLY	-	expression tag	UNP Q8NFH3
B	0	SER	-	expression tag	UNP Q8NFH3

- Molecule 2 is a protein called floating chain, unknown sequence.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
2	C	9	Total	C	N	O	0	9	0
			45	27	9	9			

- Molecule 3 is UNKNOWN ATOM OR ION (CCD ID: UNX) (formula: X).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	13	Total	X	0	0
			13	13		
3	B	19	Total	X	0	0
			19	19		

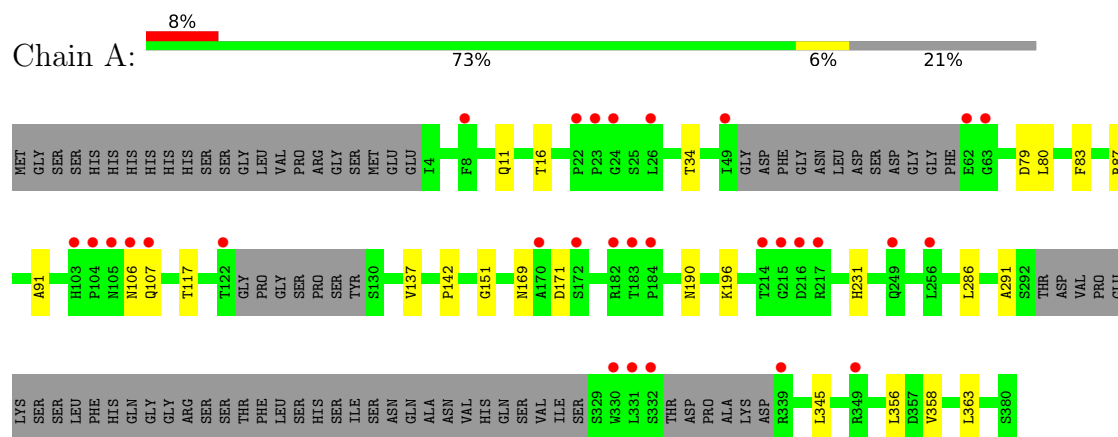
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	130	Total	O	0	0
			130	130		
4	B	148	Total	O	0	0
			148	148		

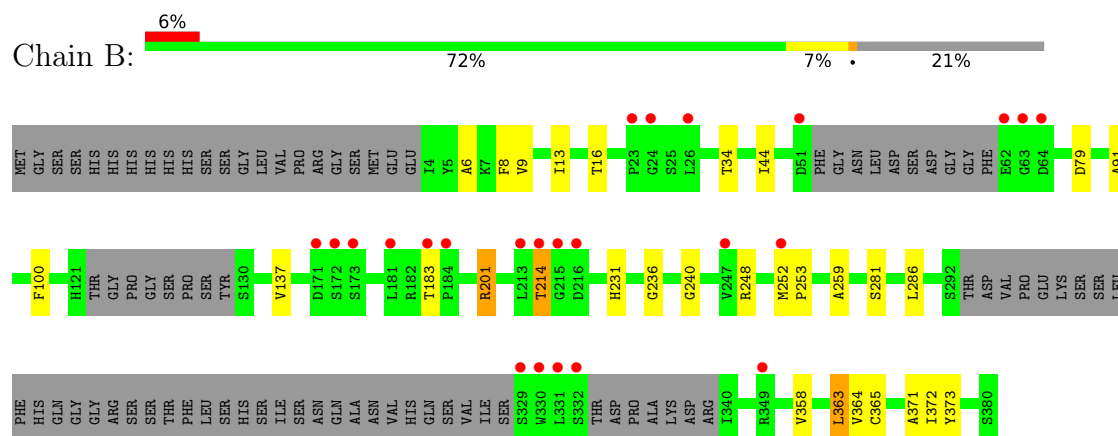
3 Residue-property plots [i](#)

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: Nucleoporin Nup43



• Molecule 1: Nucleoporin Nup43



• Molecule 2: floating chain, unknown sequence



There are no outlier residues recorded for this chain.

4 Data and refinement statistics

Property	Value	Source
Space group	P 2 ₁ 2 ₁ 2	Depositor
Cell constants a, b, c, α , β , γ	80.74Å 161.96Å 58.20Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	45.00 – 1.75 45.00 – 1.75	Depositor EDS
% Data completeness (in resolution range)	99.9 (45.00-1.75) 100.0 (45.00-1.75)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.08	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.14 (at 1.75Å)	Xtrriage
Refinement program	REFMAC 5.7.0032	Depositor
R, R_{free}	0.181 , 0.212 0.190 , 0.220	Depositor DCC
R_{free} test set	2490 reflections (3.20%)	wwPDB-VP
Wilson B-factor (Å ²)	22.7	Xtrriage
Anisotropy	0.489	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 41.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.96	EDS
Total number of atoms	5444	wwPDB-VP
Average B, all atoms (Å ²)	29.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The analyses of the Patterson function reveals a significant off-origin peak that is 43.05 % 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 1.8650e-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

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: UNX

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	1.06	2/2622 (0.1%)	0.83	1/3584 (0.0%)
1	B	0.98	3/2723 (0.1%)	0.84	1/3715 (0.0%)
All	All	1.02	5/5345 (0.1%)	0.84	2/7299 (0.0%)

All (5) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	183	THR	N-CA	5.85	1.52	1.45
1	A	80	LEU	N-CA	-5.62	1.39	1.46
1	A	291	ALA	N-CA	5.48	1.53	1.46
1	B	201	ARG	C-O	-5.44	1.16	1.24
1	B	236	GLY	CA-C	-5.07	1.48	1.52

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	281	SER	N-CA-C	5.94	118.20	109.24
1	A	190	ASN	N-CA-C	5.06	116.36	109.18

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	2502	0	2365	21	0
1	B	2587	0	2487	23	0
2	C	45	0	11	0	0
3	A	13	0	0	0	0
3	B	19	0	0	0	0
4	A	130	0	0	0	0
4	B	148	0	0	0	0
All	All	5444	0	4863	43	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.

All (43) 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:358[B]:VAL:CG1	1:A:363[B]:LEU:HD12	1.94	0.97
1:B:252[B]:MET:HG2	1:B:253:PRO:HD2	1.55	0.89
1:A:358[B]:VAL:HG13	1:A:363[B]:LEU:HD12	1.67	0.77
1:A:358[B]:VAL:HG12	1:A:363[B]:LEU:HD12	1.67	0.75
1:A:358[B]:VAL:CG1	1:A:363[B]:LEU:CD1	2.71	0.68
1:B:252[B]:MET:CG	1:B:253:PRO:HD2	2.26	0.63
1:B:214[B]:THR:CG2	1:B:252[B]:MET:HE2	2.31	0.60
1:B:13:ILE:HG13	1:B:372[B]:ILE:HD11	1.89	0.55
1:B:358[A]:VAL:HG13	1:B:363[A]:LEU:HD23	1.89	0.55
1:B:214[B]:THR:HG23	1:B:252[B]:MET:HE2	1.88	0.55
1:B:9:VAL:HG11	1:B:372[A]:ILE:HD12	1.89	0.54
1:A:358[B]:VAL:HG12	1:A:363[B]:LEU:CD1	2.38	0.53
1:A:286[B]:LEU:HD21	1:A:356:LEU:HD22	1.90	0.52
1:B:231[A]:HIS:CD2	1:B:231[A]:HIS:H	2.28	0.52
1:A:286[B]:LEU:HD12	1:A:345:LEU:HD12	1.92	0.51
1:A:16:THR:HG22	1:A:34:THR:HG22	1.93	0.50
1:B:6:ALA:HB2	1:B:373:TYR:CE2	2.47	0.49
1:A:286[B]:LEU:CD2	1:A:356:LEU:HD22	2.43	0.48
1:B:91:ALA:HB2	1:B:137[A]:VAL:HG13	1.96	0.48
1:A:79:ASP:HB3	1:A:137[A]:VAL:HG12	1.96	0.48
1:B:363[A]:LEU:HD13	1:B:364:VAL:N	2.29	0.48
1:B:240:GLY:O	1:B:259:ALA:HB3	2.15	0.47
1:A:117:THR:HG22	1:B:201:ARG:NH2	2.31	0.46
1:A:151:GLY:O	1:A:169:ASN:HB3	2.16	0.46
1:A:91:ALA:HB2	1:A:137[B]:VAL:HG13	1.98	0.45
1:B:286:LEU:HD23	1:B:286:LEU:C	2.42	0.45
1:B:214[B]:THR:HG21	1:B:252[B]:MET:HE2	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:16:THR:HG22	1:B:34:THR:HG22	1.99	0.44
1:B:79:ASP:HB3	1:B:137[B]:VAL:HG12	2.00	0.43
1:A:231[A]:HIS:CD2	1:A:231[A]:HIS:H	2.37	0.42
1:B:231[A]:HIS:CE1	1:B:248:ARG:NH2	2.87	0.42
1:B:44[B]:ILE:HD12	1:B:100:PHE:CE2	2.54	0.42
1:A:171:ASP:OD2	1:A:196:LYS:NZ	2.40	0.41
1:B:365:CYS:SG	1:B:373:TYR:HB2	2.61	0.41
1:B:8:PHE:CE1	1:B:371:ALA:HB2	2.56	0.41
1:A:83:PHE:CZ	1:A:142:PRO:HA	2.55	0.41
1:A:106[A]:ASN:O	1:A:107[A]:GLN:C	2.63	0.41
1:A:83:PHE:HZ	1:A:142:PRO:HA	1.86	0.41
1:A:286[B]:LEU:CD1	1:A:345:LEU:HD12	2.51	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	324/399 (81%)	314 (97%)	10 (3%)	0	100	100
1	B	334/399 (84%)	325 (97%)	9 (3%)	0	100	100
All	All	658/798 (82%)	639 (97%)	19 (3%)	0	100	100

There are no Ramachandran outliers to report.

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	275/351 (78%)	272 (99%)	3 (1%)	65	52
1	B	293/351 (84%)	289 (99%)	4 (1%)	59	44
All	All	568/702 (81%)	561 (99%)	7 (1%)	73	49

All (7) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	11[A]	GLN
1	A	11[B]	GLN
1	A	87	ARG
1	B	214[A]	THR
1	B	214[B]	THR
1	B	363[A]	LEU
1	B	363[B]	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (6) such sidechains are listed below:

Mol	Chain	Res	Type
1	B	66	GLN
1	B	105	ASN
1	B	114	GLN
1	B	121	HIS
1	B	229	GLN
1	B	230	GLN

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 32 ligands modelled in this entry, 32 are unknown - 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](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
2	C	4

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	C	335[A]:UNK	C	336[A]:UNK	N	12.49
1	C	330[A]:UNK	C	331[A]:UNK	N	4.08
1	C	331[A]:UNK	C	332[A]:UNK	N	3.85
1	C	337[A]:UNK	C	338[A]:UNK	N	3.55

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	316/399 (79%)	0.42	30 (9%) 14 16	10, 27, 50, 77	22 (6%)
1	B	316/399 (79%)	0.29	24 (7%) 20 23	10, 24, 45, 60	33 (10%)
2	C	0/9	-	-	-	-
All	All	632/807 (78%)	0.36	54 (8%) 16 20	10, 25, 48, 77	55 (8%)

All (54) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	332[A]	SER	15.2
1	B	330[A]	TRP	7.7
1	B	214[A]	THR	7.0
1	B	329[A]	SER	6.6
1	A	107[A]	GLN	5.6
1	B	331[A]	LEU	5.5
1	B	24[A]	GLY	5.1
1	A	170	ALA	4.8
1	B	184	PRO	4.8
1	A	184	PRO	4.7
1	A	216	ASP	4.1
1	A	104[A]	PRO	4.1
1	A	215	GLY	4.1
1	A	106[A]	ASN	4.0
1	B	23[A]	PRO	3.9
1	A	49	ILE	3.9
1	A	214	THR	3.8
1	B	26	LEU	3.7
1	A	331	LEU	3.6
1	B	63	GLY	3.5
1	A	23	PRO	3.5
1	A	122	THR	3.5
1	A	105[A]	ASN	3.4

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Mol	Chain	Res	Type	RSRZ
1	A	26	LEU	3.3
1	B	62[A]	GLU	3.3
1	B	51	ASP	3.2
1	A	339	ARG	3.2
1	A	349[A]	ARG	3.2
1	A	24	GLY	3.1
1	A	172	SER	3.1
1	B	215	GLY	3.1
1	B	213[A]	LEU	3.0
1	A	217	ARG	3.0
1	A	63	GLY	2.9
1	A	256	LEU	2.8
1	B	349[A]	ARG	2.8
1	A	103	HIS	2.8
1	A	22	PRO	2.6
1	B	183	THR	2.5
1	B	247	VAL	2.5
1	B	216	ASP	2.5
1	A	332	SER	2.5
1	A	183	THR	2.5
1	A	249	GLN	2.4
1	A	8	PHE	2.4
1	B	173	SER	2.3
1	A	62	GLU	2.3
1	A	182	ARG	2.3
1	B	171	ASP	2.2
1	B	172[A]	SER	2.2
1	B	64	ASP	2.2
1	A	330	TRP	2.1
1	B	181	LEU	2.1
1	B	252[A]	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 ⓘ

There are no oligosaccharides in this entry.

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. 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	UNX	B	408	1/1	0.79	0.15	37,37,37,37	0
3	UNX	B	405	1/1	0.80	0.20	38,38,38,38	0
3	UNX	A	404	1/1	0.83	0.16	40,40,40,40	0
3	UNX	A	411	1/1	0.83	0.19	33,33,33,33	0
3	UNX	B	416	1/1	0.83	0.27	48,48,48,48	0
3	UNX	B	411	1/1	0.84	0.22	39,39,39,39	0
3	UNX	B	402	1/1	0.85	0.16	38,38,38,38	0
3	UNX	A	412	1/1	0.85	0.16	32,32,32,32	0
3	UNX	B	407	1/1	0.85	0.34	48,48,48,48	0
3	UNX	A	406	1/1	0.86	0.16	38,38,38,38	0
3	UNX	B	415	1/1	0.87	0.14	42,42,42,42	0
3	UNX	B	417	1/1	0.87	0.17	40,40,40,40	0
3	UNX	B	414	1/1	0.88	0.17	32,32,32,32	0
3	UNX	B	412	1/1	0.88	0.20	31,31,31,31	0
3	UNX	A	407	1/1	0.89	0.14	35,35,35,35	0
3	UNX	B	401	1/1	0.89	0.12	38,38,38,38	0
3	UNX	A	410	1/1	0.89	0.11	36,36,36,36	0
3	UNX	A	405	1/1	0.89	0.12	30,30,30,30	0
3	UNX	B	406	1/1	0.90	0.23	37,37,37,37	0
3	UNX	A	408	1/1	0.92	0.36	49,49,49,49	0
3	UNX	B	403	1/1	0.92	0.12	30,30,30,30	0
3	UNX	B	404	1/1	0.92	0.09	27,27,27,27	0
3	UNX	B	410	1/1	0.92	0.15	36,36,36,36	0
3	UNX	A	409	1/1	0.92	0.11	32,32,32,32	0
3	UNX	B	413	1/1	0.93	0.27	43,43,43,43	0
3	UNX	B	409	1/1	0.94	0.09	25,25,25,25	0
3	UNX	B	419	1/1	0.94	0.13	34,34,34,34	0
3	UNX	B	418	1/1	0.95	0.07	19,19,19,19	0
3	UNX	A	401	1/1	0.96	0.07	16,16,16,16	0
3	UNX	A	403	1/1	0.96	0.06	17,17,17,1	