



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 5, 2026 – 02:16 PM UTC

PDB ID : 2ZKG / pdb_00002zkg
Title : Crystal structure of unliganded SRA domain of mouse Np95
Authors : Arita, K.; Ariyoshi, M.; Tochio, H.; Nakamura, Y.; Shirakawa, M.
Deposited on : 2008-03-19
Resolution : 1.77 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

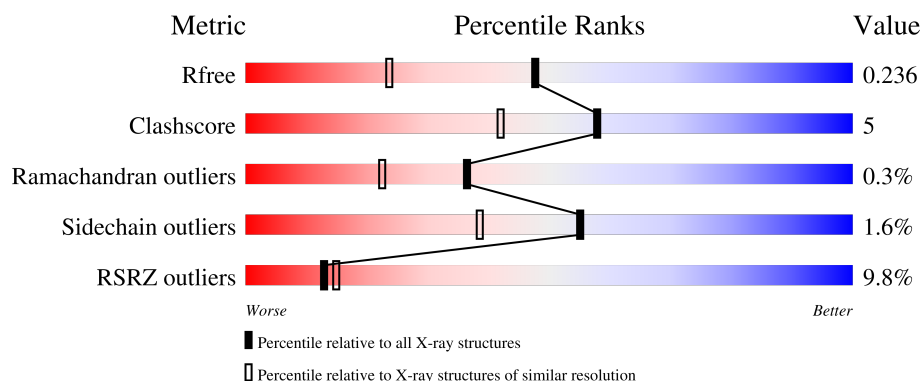
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.77 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	1365 (1.78-1.78)
Clashscore	190562	1395 (1.78-1.78)
Ramachandran outliers	187476	1382 (1.78-1.78)
Sidechain outliers	187428	1382 (1.78-1.78)
RSRZ outliers	180081	1365 (1.78-1.78)

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	210	7% 84% 6% 10%
1	B	210	6% 84% 6% 10%
1	C	210	12% 79% 8% 13%
1	D	210	9% 78% 9% 12%

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 6486 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 E3 ubiquitin-protein ligase UHRF1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	190	Total	C	N	O	S	1	1	0
			1514	942	283	284	5			
1	B	190	Total	C	N	O	S	0	0	0
			1507	939	282	281	5			
1	C	183	Total	C	N	O	S	11	2	0
			1470	915	282	268	5			
1	D	184	Total	C	N	O	S	0	1	0
			1465	912	279	269	5			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	404	SER	LYS	engineered mutation	UNP Q8VDF2
B	404	SER	LYS	engineered mutation	UNP Q8VDF2
C	404	SER	LYS	engineered mutation	UNP Q8VDF2
D	404	SER	LYS	engineered mutation	UNP Q8VDF2

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



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

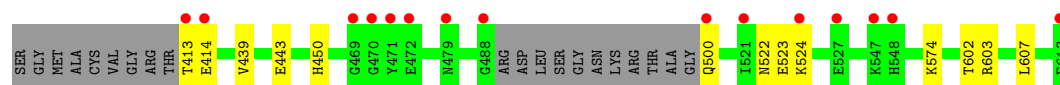
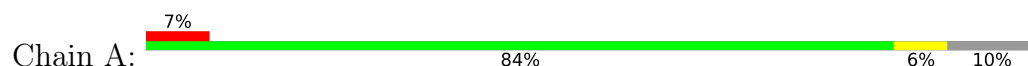
- Molecule 3 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	154	Total	O	0	0
			154	154		
3	B	116	Total	O	0	0
			116	116		
3	C	128	Total	O	0	0
			128	128		
3	D	116	Total	O	0	0
			116	116		

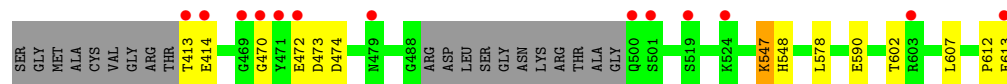
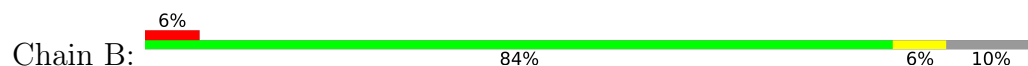
3 Residue-property plots [i](#)

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.

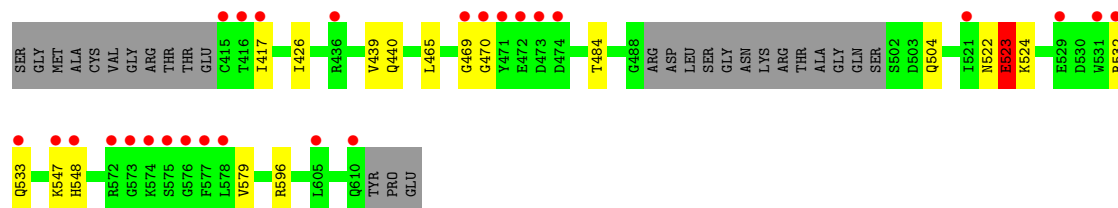
- Molecule 1: E3 ubiquitin-protein ligase UHRF1



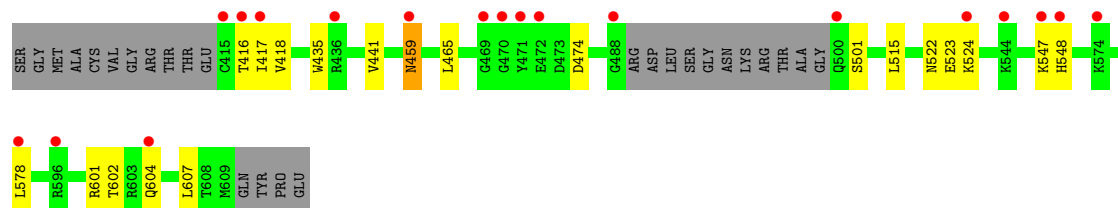
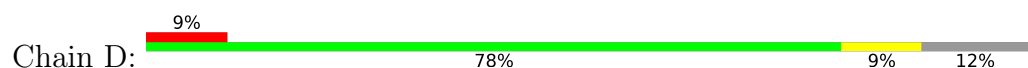
- Molecule 1: E3 ubiquitin-protein ligase UHRF1



- Molecule 1: E3 ubiquitin-protein ligase UHRF1



- Molecule 1: E3 ubiquitin-protein ligase UHRF1



4 Data and refinement statistics

Property	Value	Source
Space group	P 1	Depositor
Cell constants a, b, c, α , β , γ	64.33Å 67.01Å 69.57Å 91.11° 65.01° 84.48°	Depositor
Resolution (Å)	29.31 – 1.77 29.31 – 1.77	Depositor EDS
% Data completeness (in resolution range)	95.2 (29.31-1.77) 95.2 (29.31-1.77)	Depositor EDS
R_{merge}	0.07	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.18 (at 1.77Å)	Xtriage
Refinement program	REFMAC 5.2.0019	Depositor
R, R_{free}	0.186 , 0.217 (Not available) , 0.236	Depositor DCC
R_{free} test set	4845 reflections (4.78%)	wwPDB-VP
Wilson B-factor (Å ²)	21.3	Xtriage
Anisotropy	0.028	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 38.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	6486	wwPDB-VP
Average B, all atoms (Å ²)	31.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.27% 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

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	0.75	0/1554	0.81	1/2102 (0.0%)
1	B	0.72	0/1547	0.82	1/2094 (0.0%)
1	C	0.80	0/1508	0.84	1/2038 (0.0%)
1	D	0.71	0/1503	0.82	0/2032
All	All	0.75	0/6112	0.82	3/8266 (0.0%)

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	B	0	1

There are no bond length outliers.

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed($^{\circ}$)	Ideal($^{\circ}$)
1	C	523	GLU	N-CA-C	8.19	122.99	112.34
1	A	500	GLN	N-CA-CB	5.77	120.31	110.50
1	B	473	ASP	N-CA-C	-5.21	106.89	113.20

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	B	612	PRO	Peptide

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	1514	0	1444	9	0
1	B	1507	0	1440	10	0
1	C	1470	0	1416	20	0
1	D	1465	0	1409	15	0
2	A	8	0	12	0	0
2	C	4	0	6	0	0
2	D	4	0	6	0	0
3	A	154	0	0	2	0
3	B	116	0	0	4	0
3	C	128	0	0	1	0
3	D	116	0	0	0	0
All	All	6486	0	5733	53	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 5.

All (53) 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:547:LYS:H	1:B:547:LYS:HD2	1.48	0.79
1:C:484:THR:CG2	1:C:579:VAL:HG21	2.21	0.70
1:C:523:GLU:O	1:C:523:GLU:HG3	1.94	0.67
1:C:533:GLN:HG2	3:C:715:HOH:O	1.95	0.65
1:C:484:THR:HG23	1:C:579:VAL:CG2	2.27	0.64
1:C:417:ILE:HD11	1:C:426:ILE:HG22	1.80	0.64
1:D:522:ASN:ND2	1:D:524:LYS:H	1.99	0.61
1:C:484:THR:HG23	1:C:579:VAL:HG21	1.82	0.59
1:D:459:ASN:HA	1:D:515:LEU:HD11	1.85	0.59
1:C:522:ASN:C	1:C:522:ASN:HD22	2.13	0.57
1:C:522:ASN:ND2	1:C:524:LYS:H	2.03	0.57
1:D:522:ASN:HD22	1:D:524:LYS:H	1.52	0.56
1:A:522:ASN:ND2	1:A:524:LYS:H	2.03	0.55
1:B:590:GLU:HG3	3:B:619:HOH:O	2.06	0.55
1:C:484:THR:CG2	1:C:579:VAL:CG2	2.84	0.54
1:C:469:GLY:HA2	1:C:548:HIS:HD2	1.73	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:504:GLN:CD	1:C:579:VAL:HG23	2.33	0.54
1:C:522:ASN:HD22	1:C:523:GLU:N	2.05	0.53
1:D:602:THR:HG23	1:D:607:LEU:HB2	1.89	0.53
1:D:522:ASN:HD22	1:D:522:ASN:C	2.18	0.52
1:C:439:VAL:HG13	1:C:440:GLN:OE1	2.09	0.52
1:A:522:ASN:HD22	1:A:523:GLU:N	2.08	0.51
1:A:414:GLU:HG2	3:A:733:HOH:O	2.12	0.50
1:D:522:ASN:HD22	1:D:523:GLU:N	2.10	0.50
1:D:601:ARG:HA	1:D:604:GLN:HG2	1.94	0.49
1:B:414:GLU:CG	3:B:691:HOH:O	2.63	0.47
1:A:439:VAL:O	1:A:443:GLU:HG3	2.14	0.47
1:C:469:GLY:HA2	1:C:548:HIS:CD2	2.50	0.46
1:D:459:ASN:O	1:D:459:ASN:CG	2.58	0.46
1:B:547:LYS:HD2	1:B:547:LYS:N	2.25	0.45
1:A:414:GLU:CG	3:A:733:HOH:O	2.64	0.45
1:D:459:ASN:HA	1:D:515:LEU:CD1	2.47	0.44
1:D:474:ASP:O	1:D:548:HIS:HE1	2.00	0.44
1:C:417:ILE:HD11	1:C:426:ILE:CG2	2.46	0.44
1:C:484:THR:HG23	1:C:579:VAL:HG22	1.96	0.44
1:C:596:ARG:O	1:C:596:ARG:HD3	2.18	0.44
1:D:465:LEU:C	1:D:465:LEU:HD12	2.42	0.44
1:B:413:THR:O	1:B:413:THR:HG23	2.18	0.43
1:B:414:GLU:HG2	3:B:691:HOH:O	2.17	0.43
1:B:474:ASP:O	1:B:548:HIS:HE1	2.01	0.43
1:B:578:LEU:C	1:B:578:LEU:HD23	2.44	0.42
1:A:439:VAL:HG23	1:A:450:HIS:NE2	2.35	0.42
1:B:613:GLU:N	3:B:712:HOH:O	2.52	0.42
1:A:522:ASN:HD22	1:A:522:ASN:C	2.28	0.41
1:A:603:ARG:NE	1:C:532:ARG:HD3	2.35	0.41
1:B:602:THR:HG23	1:B:607:LEU:HB2	2.01	0.41
1:A:602:THR:HG23	1:A:607:LEU:HB2	2.03	0.41
1:D:474:ASP:O	1:D:548:HIS:CE1	2.74	0.41
1:C:484:THR:HG21	1:C:579:VAL:HG21	2.00	0.41
1:D:416:THR:HG22	1:D:416:THR:O	2.21	0.41
1:C:465:LEU:C	1:C:465:LEU:HD12	2.46	0.41
1:D:417:ILE:HG22	1:D:418:VAL:HG13	2.03	0.40
1:D:435:TRP:CE3	1:D:441:VAL:HG22	2.56	0.40

There are no symmetry-related clashes.

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	187/210 (89%)	180 (96%)	7 (4%)	0	100	100
1	B	186/210 (89%)	179 (96%)	6 (3%)	1 (0%)	24	11
1	C	181/210 (86%)	174 (96%)	6 (3%)	1 (1%)	21	9
1	D	181/210 (86%)	178 (98%)	3 (2%)	0	100	100
All	All	735/840 (88%)	711 (97%)	22 (3%)	2 (0%)	36	22

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	C	470	GLY
1	B	470	GLY

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	158/171 (92%)	156 (99%)	2 (1%)	61	46
1	B	157/171 (92%)	155 (99%)	2 (1%)	61	46
1	C	152/171 (89%)	150 (99%)	2 (1%)	61	46
1	D	152/171 (89%)	148 (97%)	4 (3%)	40	20
All	All	619/684 (90%)	609 (98%)	10 (2%)	55	38

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

Mol	Chain	Res	Type
1	A	413	THR
1	A	574	LYS
1	B	472	GLU
1	B	547	LYS
1	C	523	GLU
1	C	547	LYS
1	D	459	ASN
1	D	501	SER
1	D	547	LYS
1	D	578	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (14) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	522	ASN
1	B	500	GLN
1	B	509	ASN
1	B	522	ASN
1	B	548	HIS
1	C	450	HIS
1	C	509	ASN
1	C	522	ASN
1	C	533	GLN
1	C	548	HIS
1	D	508	ASN
1	D	509	ASN
1	D	522	ASN
1	D	548	HIS

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

4 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	EDO	D	4	-	3,3,3	0.44	0	2,2,2	0.39	0
2	EDO	C	3	-	3,3,3	0.43	0	2,2,2	0.31	0
2	EDO	A	1	-	3,3,3	0.38	0	2,2,2	0.42	0
2	EDO	A	2	-	3,3,3	0.42	0	2,2,2	0.81	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	EDO	D	4	-	-	0/1/1/1	-
2	EDO	C	3	-	-	0/1/1/1	-
2	EDO	A	1	-	-	1/1/1/1	-
2	EDO	A	2	-	-	1/1/1/1	-

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
2	A	1	EDO	O1-C1-C2-O2
2	A	2	EDO	O1-C1-C2-O2

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	190/210 (90%)	0.58	15 (7%)	18 22	13, 28, 39, 51	2 (1%)
1	B	190/210 (90%)	0.54	13 (6%)	23 27	25, 31, 41, 54	0
1	C	182/210 (86%)	0.80	26 (14%)	6 6	13, 28, 43, 50	1 (0%)
1	D	184/210 (87%)	0.67	19 (10%)	12 13	14, 31, 42, 48	1 (0%)
All	All	746/840 (88%)	0.65	73 (9%)	13 15	13, 30, 42, 54	4 (0%)

All (73) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	C	417	ILE	5.7
1	B	613	GLU	5.6
1	C	471	TYR	5.6
1	A	470	GLY	5.4
1	A	500	GLN	5.2
1	B	470	GLY	5.1
1	C	577	PHE	5.1
1	A	548	HIS	5.0
1	C	574	LYS	4.7
1	B	471	TYR	4.7
1	D	417	ILE	4.5
1	D	459	ASN	4.4
1	D	472	GLU	4.4
1	A	471	TYR	4.3
1	B	500	GLN	4.1
1	A	547	LYS	4.0
1	C	529	GLU	4.0
1	C	548	HIS	4.0
1	C	472	GLU	3.8
1	C	573	GLY	3.7
1	D	469	GLY	3.7

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	B	524	LYS	3.6
1	A	413	THR	3.5
1	D	596	ARG	3.5
1	C	575	SER	3.5
1	B	472	GLU	3.5
1	A	469	GLY	3.5
1	C	469	GLY	3.5
1	C	470	GLY	3.4
1	D	415	CYS	3.3
1	C	578	LEU	3.3
1	D	416	THR	3.2
1	C	415	CYS	3.2
1	C	576	GLY	3.0
1	C	547	LYS	3.0
1	C	533	GLN	3.0
1	C	436[A]	ARG	2.9
1	B	413	THR	2.9
1	D	547	LYS	2.9
1	C	531	TRP	2.8
1	A	524	LYS	2.8
1	C	473	ASP	2.7
1	A	472	GLU	2.7
1	B	469	GLY	2.7
1	A	414	GLU	2.7
1	B	479	ASN	2.6
1	D	470	GLY	2.6
1	D	488	GLY	2.6
1	D	578	LEU	2.6
1	B	414	GLU	2.5
1	D	574	LYS	2.5
1	D	604	GLN	2.5
1	A	521	ILE	2.5
1	D	548	HIS	2.5
1	D	524	LYS	2.4
1	A	479	ASN	2.4
1	D	544	LYS	2.4
1	A	613	GLU	2.3
1	C	610	GLN	2.3
1	B	603	ARG	2.3
1	A	488	GLY	2.3
1	A	527	GLU	2.2
1	C	532	ARG	2.2

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	B	501	SER	2.2
1	C	572	ARG	2.2
1	B	519	SER	2.1
1	D	471	TYR	2.1
1	C	605	LEU	2.1
1	C	474	ASP	2.1
1	C	416	THR	2.1
1	D	500	GLN	2.0
1	C	521	ILE	2.0
1	D	436	ARG	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
2	EDO	A	1	4/4	0.85	0.24	45,46,47,48	0
2	EDO	D	4	4/4	0.85	0.18	50,50,51,53	0
2	EDO	C	3	4/4	0.88	0.15	44,44,46,47	0
2	EDO	A	2	4/4	0.89	0.17	34,40,41,44	0

6.5 Other polymers [i](#)

There are no such residues in this entry.