



Full wwPDB X-ray Structure Validation Report ⓘ

Apr 26, 2026 – 06:03 AM EDT

PDB ID : 9JPK / pdb_00009jpk
Title : Crystal structure of DhdR inducer binding domain
Authors : Sun, P.; Wang, B.
Deposited on : 2024-09-26
Resolution : 2.28 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

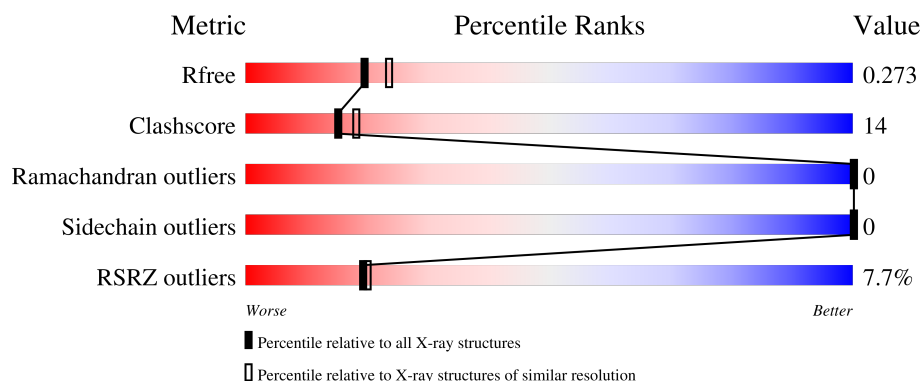
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.28 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	9078 (2.30-2.26)
Clashscore	190562	9802 (2.30-2.26)
Ramachandran outliers	187476	9690 (2.30-2.26)
Sidechain outliers	187428	9691 (2.30-2.26)
RSRZ outliers	180081	9085 (2.30-2.26)

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	238	5% 33% 26% . 37%
1	B	238	4% 36% 20% . 43%

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 2248 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 Pyruvate dehydrogenase complex repressor.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	151	Total	C	N	O	S	0	0	0
			1136	701	214	219	2			
1	B	135	Total	C	N	O	S	0	0	0
			995	620	187	186	2			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	120	ALA	VAL	conflict	UNP A0A6N0JVZ6
A	134	ASP	GLU	conflict	UNP A0A6N0JVZ6
B	120	ALA	VAL	conflict	UNP A0A6N0JVZ6
B	134	ASP	GLU	conflict	UNP A0A6N0JVZ6

- Molecule 2 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	A	1	Total	Zn	0	0
			1	1		
2	B	1	Total	Zn	0	0
			1	1		

- Molecule 3 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	73	Total	O	0	0
			73	73		
3	B	42	Total	O	0	0
			42	42		

4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	93.75Å 64.64Å 65.43Å 90.00° 124.21° 90.00°	Depositor
Resolution (Å)	31.39 – 2.28 31.39 – 2.28	Depositor EDS
% Data completeness (in resolution range)	99.6 (31.39-2.28) 99.8 (31.39-2.28)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.82 (at 2.27Å)	Xtriage
Refinement program	PHENIX 1.14_3260	Depositor
R, R_{free}	0.231 , 0.271 0.232 , 0.273	Depositor DCC
R_{free} test set	742 reflections (5.00%)	wwPDB-VP
Wilson B-factor (Å ²)	27.5	Xtriage
Anisotropy	0.923	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.33 , 42.2	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	0.91	EDS
Total number of atoms	2248	wwPDB-VP
Average B, all atoms (Å ²)	32.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 8.24% 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: ZN

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	2.04	47/1151 (4.1%)	1.77	8/1566 (0.5%)
1	B	1.89	33/1008 (3.3%)	1.66	3/1372 (0.2%)
All	All	1.97	80/2159 (3.7%)	1.72	11/2938 (0.4%)

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

All (80) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	207	PRO	C-O	-9.95	1.12	1.24
1	A	165	TYR	C-O	-8.42	1.14	1.24
1	A	96	TYR	C-O	-8.36	1.14	1.24
1	B	212	LEU	C-O	-7.91	1.14	1.24
1	A	143	ASP	C-O	-7.74	1.15	1.24
1	A	210	ALA	C-O	-7.72	1.15	1.24
1	A	121	ALA	C-O	-7.56	1.15	1.24
1	A	226	ARG	C-O	-7.53	1.15	1.24
1	A	147	HIS	C-O	-7.40	1.15	1.24
1	B	207	PRO	C-O	-7.26	1.15	1.24
1	A	125	ALA	C-O	-7.25	1.15	1.24
1	A	127	ALA	C-O	-7.17	1.15	1.24
1	A	222	ALA	C-O	-7.17	1.15	1.24
1	A	106	ALA	C-O	-7.11	1.15	1.24
1	A	142	HIS	C-O	-7.05	1.15	1.24
1	A	194	GLU	C-O	-6.93	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	110	ALA	C-O	-6.73	1.16	1.24
1	B	123	ALA	C-O	-6.73	1.16	1.24
1	B	145	ALA	C-O	-6.71	1.16	1.24
1	A	90	GLU	C-O	-6.63	1.16	1.24
1	B	152	ALA	C-O	-6.57	1.15	1.24
1	A	205	GLY	C-O	-6.52	1.16	1.24
1	A	122	MET	C-O	-6.46	1.16	1.24
1	A	119	LEU	C-O	-6.44	1.16	1.24
1	B	169	GLN	C-O	-6.44	1.16	1.24
1	A	154	THR	C-O	-6.39	1.16	1.24
1	A	225	LEU	C-O	-6.32	1.16	1.24
1	B	171	ARG	C-O	-6.28	1.16	1.24
1	A	108	ALA	C-O	-6.27	1.16	1.24
1	A	86	LEU	C-O	-6.22	1.16	1.24
1	B	149	ALA	C-O	-6.16	1.16	1.24
1	A	112	ARG	C-O	-6.11	1.16	1.24
1	B	112	ARG	C-O	-6.09	1.16	1.24
1	A	167	ASN	C-O	-6.09	1.15	1.24
1	A	149	ALA	C-O	-6.07	1.17	1.24
1	A	105	GLY	C-O	-6.06	1.16	1.23
1	A	201	ALA	C-O	-6.05	1.17	1.24
1	A	148	VAL	C-O	-5.97	1.17	1.24
1	B	201	ALA	C-O	-5.95	1.17	1.24
1	A	213	ALA	C-O	-5.94	1.17	1.24
1	A	211	ARG	C-O	-5.93	1.17	1.24
1	B	142	HIS	C-O	-5.90	1.17	1.24
1	A	94	SER	C-O	-5.88	1.17	1.24
1	B	119	LEU	C-O	-5.81	1.16	1.24
1	A	145	ALA	C-O	-5.81	1.17	1.24
1	B	197	ALA	C-O	-5.79	1.17	1.24
1	B	164	GLN	C-O	-5.79	1.17	1.24
1	A	101	GLU	C-O	-5.75	1.17	1.24
1	A	218	LEU	C-O	-5.74	1.17	1.24
1	B	148	VAL	C-O	-5.71	1.17	1.24
1	B	147	HIS	C-O	-5.70	1.17	1.24
1	B	151	ALA	C-O	-5.70	1.17	1.24
1	B	211	ARG	C-O	-5.70	1.17	1.24
1	B	217	HIS	CG-ND1	-5.67	1.32	1.38
1	B	222	ALA	C-O	-5.67	1.17	1.24
1	B	159	TYR	C-O	-5.66	1.17	1.24
1	B	156	ASN	C-O	-5.65	1.17	1.24
1	A	144	ILE	C-O	-5.63	1.17	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	229	LEU	C-O	-5.63	1.17	1.24
1	A	93	ALA	C-O	-5.60	1.17	1.24
1	B	116	ALA	C-O	-5.59	1.17	1.24
1	B	220	GLN	C-O	-5.53	1.17	1.24
1	B	160	GLN	C-O	-5.51	1.17	1.24
1	A	150	ILE	C-O	-5.46	1.17	1.24
1	A	193	GLN	C-O	-5.42	1.17	1.24
1	B	108	ALA	C-O	-5.40	1.17	1.24
1	B	154	THR	C-O	-5.40	1.17	1.24
1	B	93	ALA	C-O	-5.37	1.17	1.24
1	A	97	GLU	C-O	-5.34	1.18	1.24
1	B	199	TYR	C-O	-5.30	1.18	1.24
1	A	214	ALA	C-O	-5.28	1.17	1.24
1	B	158	TYR	C-O	-5.23	1.18	1.24
1	A	230	LEU	C-O	-5.19	1.17	1.24
1	A	103	GLU	C-O	-5.11	1.18	1.24
1	B	206	ASP	C-O	-5.06	1.18	1.24
1	A	187	LEU	C-O	-5.04	1.18	1.24
1	A	208	ASP	C-O	-5.03	1.18	1.24
1	B	106	ALA	C-O	-5.01	1.18	1.24
1	B	140	VAL	C-O	-5.00	1.18	1.24
1	A	136	PRO	C-O	-5.00	1.18	1.24

All (11) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	115	ASN	CB-CA-C	-9.00	91.76	110.40
1	A	184	GLN	CA-C-N	7.90	131.20	120.38
1	A	184	GLN	C-N-CA	7.90	131.20	120.38
1	A	167	ASN	CB-CA-C	7.32	123.39	110.37
1	A	161	ASP	CB-CA-C	6.42	121.76	110.85
1	B	199	TYR	CA-C-O	-5.57	114.64	120.55
1	A	87	ASP	CB-CA-C	5.33	119.91	110.85
1	A	179	THR	CA-C-O	-5.14	115.10	120.55
1	A	136	PRO	CA-C-N	5.14	127.12	120.44
1	A	136	PRO	C-N-CA	5.14	127.12	120.44
1	B	189	ALA	N-CA-C	5.05	116.59	111.14

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	179	THR	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	1136	0	1098	40	0
1	B	995	0	952	19	2
2	A	1	0	0	0	0
2	B	1	0	0	0	0
3	A	73	0	0	12	0
3	B	42	0	0	6	0
All	All	2248	0	2050	57	2

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 14.

All (57) 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:228:ASP:CB	3:B:428:HOH:O	1.80	1.22
1:A:179:THR:HB	3:A:411:HOH:O	1.42	1.18
1:B:90:GLU:OE1	3:B:401:HOH:O	1.69	1.08
1:A:143:ASP:OD1	1:A:195:HIS:CE1	2.20	0.95
1:A:179:THR:CB	3:A:411:HOH:O	2.07	0.93
1:A:83:SER:CB	1:A:232:PRO:HG2	2.06	0.85
1:A:143:ASP:OD1	1:A:195:HIS:HE1	1.62	0.80
1:A:83:SER:HB3	1:A:232:PRO:HG2	1.62	0.79
1:A:122:MET:HE2	1:A:199:TYR:HD1	1.47	0.79
1:A:189:ALA:HB3	3:A:424:HOH:O	1.83	0.78
1:A:97:GLU:OE2	1:B:113:ARG:NH1	2.17	0.77
1:A:182:ARG:O	1:A:185:GLU:HB2	1.88	0.73
1:A:141:GLU:OE2	3:A:402:HOH:O	2.06	0.72
1:B:114:ARG:O	1:B:114:ARG:HG3	1.89	0.72
1:A:179:THR:CG2	3:A:411:HOH:O	2.31	0.71
1:B:114:ARG:HG3	1:B:114:ARG:HH11	1.58	0.69
1:A:114:ARG:HD3	1:A:119:LEU:HD21	1.74	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:122:MET:HE2	1:A:199:TYR:CD1	2.30	0.66
1:A:209:ARG:NH1	3:A:403:HOH:O	2.28	0.64
1:B:174:VAL:O	1:B:174:VAL:HG23	1.98	0.62
1:A:83:SER:N	1:A:232:PRO:HG2	2.15	0.61
1:A:179:THR:HG21	3:A:411:HOH:O	1.97	0.59
1:A:206:ASP:OD2	3:A:403:HOH:O	2.17	0.59
1:A:182:ARG:HA	1:A:185:GLU:HG3	1.84	0.59
1:B:100:MET:HA	1:B:218:LEU:HD12	1.83	0.59
1:A:132:ASN:ND2	1:A:138:GLN:OE1	2.38	0.56
1:A:83:SER:HB3	1:A:232:PRO:CG	2.34	0.56
1:A:83:SER:H	1:A:232:PRO:HG2	1.72	0.55
1:B:99:ARG:NH2	1:B:170:LEU:HD13	2.22	0.55
1:B:90:GLU:CB	3:B:401:HOH:O	2.55	0.54
1:B:115:ASN:HB2	1:B:118:ASP:H	1.74	0.53
1:A:178:ARG:HH22	1:A:232:PRO:HG3	1.73	0.53
1:A:231:SER:N	1:A:232:PRO:HD3	2.25	0.52
1:B:90:GLU:HB3	3:B:401:HOH:O	2.08	0.52
1:B:114:ARG:HG3	1:B:114:ARG:NH1	2.22	0.51
1:A:182:ARG:C	1:A:185:GLU:HB2	2.35	0.50
1:A:82:VAL:HA	1:A:232:PRO:HD2	1.93	0.50
1:B:99:ARG:NE	3:B:404:HOH:O	2.46	0.49
1:A:114:ARG:CD	1:A:119:LEU:HD21	2.42	0.48
1:A:101:GLU:HG2	1:B:159:TYR:OH	2.12	0.48
1:A:83:SER:CA	1:A:232:PRO:HG2	2.44	0.48
1:A:201:ALA:HB2	1:A:209:ARG:HG2	1.95	0.48
1:A:184:GLN:HG2	3:A:452:HOH:O	2.12	0.47
1:B:95:VAL:HG12	1:B:170:LEU:HD21	1.96	0.47
1:A:175:SER:HA	3:A:405:HOH:O	2.15	0.47
1:A:182:ARG:HA	1:A:185:GLU:HB2	1.98	0.45
1:A:186:GLY:HA2	3:A:426:HOH:O	2.17	0.45
1:B:99:ARG:HD3	1:B:103:GLU:HG3	2.00	0.44
1:B:115:ASN:HB3	1:B:117:THR:H	1.83	0.44
1:B:115:ASN:HB3	1:B:117:THR:N	2.33	0.43
1:B:99:ARG:NH2	1:B:170:LEU:CD1	2.83	0.42
1:A:100:MET:SD	1:A:219:GLN:HG3	2.59	0.42
1:A:158:TYR:HB2	3:B:424:HOH:O	2.19	0.42
1:A:99:ARG:NH2	1:A:167:ASN:HB3	2.35	0.41
1:A:182:ARG:HA	1:A:185:GLU:CG	2.50	0.41
1:A:142:HIS:CE1	3:A:402:HOH:O	2.73	0.41
1:A:83:SER:OG	1:A:229:LEU:HA	2.21	0.41

All (2) symmetry-related close contacts are listed below. The label for Atom-2 includes the sym-

metry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:ASP:OD2	1:B:161:ASP:OD2[2_556]	1.89	0.31
1:B:157:ARG:NH2	1:B:161:ASP:OD1[2_556]	2.09	0.11

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	149/238 (63%)	148 (99%)	1 (1%)	0	100	100
1	B	131/238 (55%)	130 (99%)	1 (1%)	0	100	100
All	All	280/476 (59%)	278 (99%)	2 (1%)	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	107/179 (60%)	107 (100%)	0	100	100
1	B	89/179 (50%)	89 (100%)	0	100	100
All	All	196/358 (55%)	196 (100%)	0	100	100

There are no protein residues with a non-rotameric sidechain to report.

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	220	GLN
1	B	132	ASN
1	B	138	GLN
1	B	142	HIS
1	B	164	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 2 ligands modelled in this entry, 2 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	151/238 (63%)	0.56	12 (7%) 18 19	16, 29, 52, 58	0
1	B	135/238 (56%)	0.75	10 (7%) 20 21	20, 34, 54, 64	0
All	All	286/476 (60%)	0.65	22 (7%) 19 20	16, 31, 53, 64	0

All (22) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	230	LEU	3.4
1	A	177	ALA	3.4
1	A	176	THR	3.3
1	B	96	TYR	3.2
1	B	231	SER	3.2
1	B	186	GLY	3.1
1	B	134	ASP	3.1
1	B	133	LEU	3.1
1	B	187	LEU	3.1
1	A	83	SER	3.0
1	A	180	ASN	2.7
1	A	179	THR	2.6
1	B	188	THR	2.5
1	A	232	PRO	2.3
1	B	176	THR	2.2
1	A	175	SER	2.2
1	A	167	ASN	2.1
1	A	82	VAL	2.1
1	A	186	GLY	2.1
1	A	231	SER	2.1
1	A	174	VAL	2.1
1	B	89	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($\text{\AA}^2$)	Q<0.9
2	ZN	A	301	1/1	0.99	0.04	24,24,24,24	0
2	ZN	B	301	1/1	0.99	0.05	38,38,38,38	0

6.5 Other polymers [i](#)

There are no such residues in this entry.