



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 6, 2026 – 10:39 PM UTC

PDB ID : 2ETR / pdb_00002etr
Title : Crystal Structure of ROCK I bound to Y-27632
Authors : Jacobs, M.
Deposited on : 2005-10-27
Resolution : 2.60 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

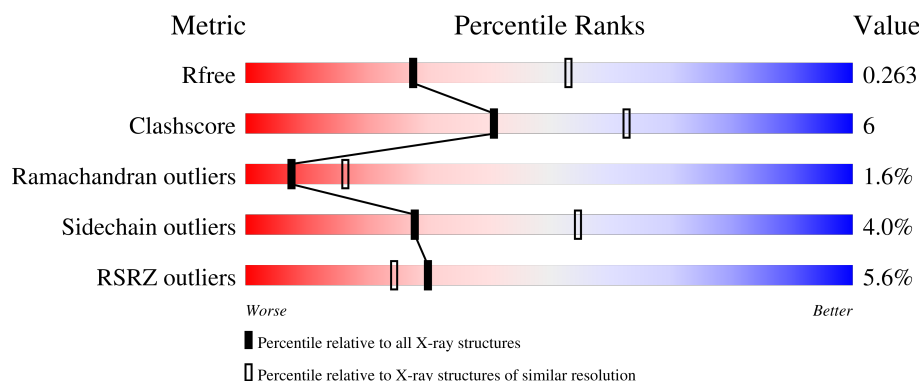
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.60 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	4008 (2.60-2.60)
Clashscore	190562	4347 (2.60-2.60)
Ramachandran outliers	187476	4277 (2.60-2.60)
Sidechain outliers	187428	4277 (2.60-2.60)
RSRZ outliers	180081	4008 (2.60-2.60)

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	415	5% 81% 13% ..
1	B	415	6% 77% 18% ..

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 6617 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.

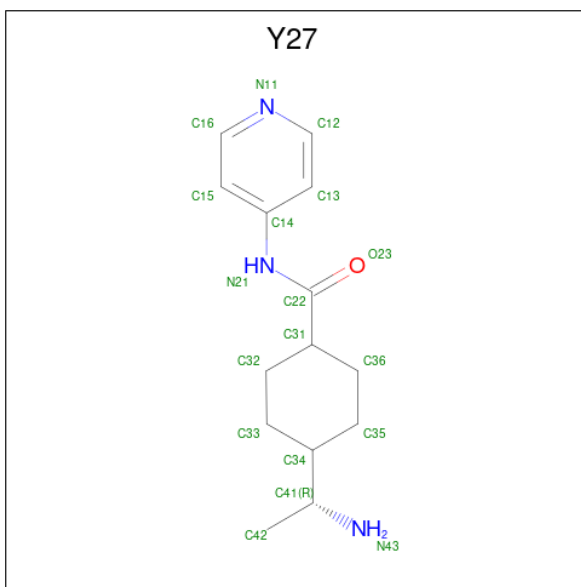
- Molecule 1 is a protein called Rho-associated protein kinase 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	400	Total	C	N	O	S	0	0	0
			3247	2073	541	612	21			
1	B	398	Total	C	N	O	S	0	0	0
			3226	2061	533	611	21			

There are 10 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	cloning artifact	UNP Q13464
A	2	SER	-	cloning artifact	UNP Q13464
A	3	LEU	-	cloning artifact	UNP Q13464
A	4	HIS	-	cloning artifact	UNP Q13464
A	5	MET	-	cloning artifact	UNP Q13464
B	1	GLY	-	cloning artifact	UNP Q13464
B	2	SER	-	cloning artifact	UNP Q13464
B	3	LEU	-	cloning artifact	UNP Q13464
B	4	HIS	-	cloning artifact	UNP Q13464
B	5	MET	-	cloning artifact	UNP Q13464

- Molecule 2 is (R)-TRANS-4-(1-AMINOETHYL)-N-(4-PYRIDYL) CYCLOHEXANECARB OXAMIDE (CCD ID: Y27) (formula: C₁₄H₂₁N₃O).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
2	A	1	Total	C	N	O	0	0
			18	14	3	1		
2	B	1	Total	C	N	O	0	0
			18	14	3	1		

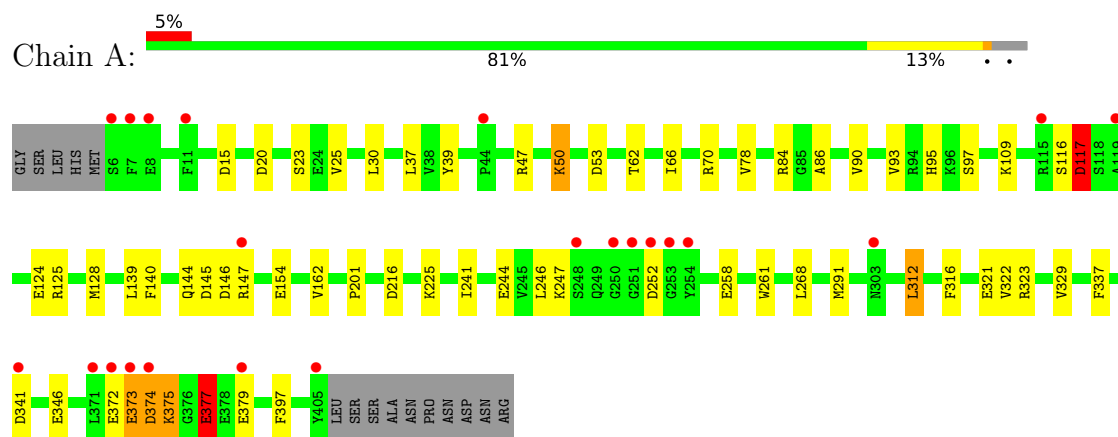
- Molecule 3 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	56	Total	O	0	0
			56	56		
3	B	52	Total	O	0	0
			52	52		

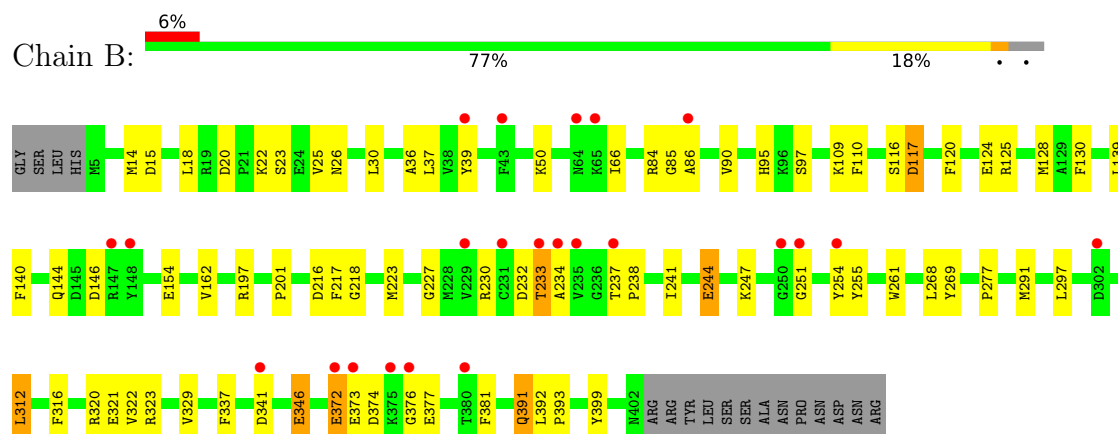
3 Residue-property plots

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: Rho-associated protein kinase 1



- Molecule 1: Rho-associated protein kinase 1



4 Data and refinement statistics

Property	Value	Source
Space group	P 31 2 1	Depositor
Cell constants a, b, c, α , β , γ	180.87Å 180.87Å 91.46Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	19.83 – 2.60 19.83 – 2.60	Depositor EDS
% Data completeness (in resolution range)	89.0 (19.83-2.60) 88.8 (19.83-2.60)	Depositor EDS
R_{merge}	0.09	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.03 (at 2.59Å)	Xtriage
Refinement program	CNS, CNX 2002	Depositor
R, R_{free}	0.251 , 0.266 0.249 , 0.263	Depositor DCC
R_{free} test set	2336 reflections (4.82%)	wwPDB-VP
Wilson B-factor (Å ²)	58.9	Xtriage
Anisotropy	0.128	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.31 , 23.8	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.31$	Xtriage
Estimated twinning fraction	0.031 for -h,-k,l	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	6617	wwPDB-VP
Average B, all atoms (Å ²)	66.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.54% 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: Y27

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	0.40	0/3324	0.77	0/4491
1	B	0.39	0/3303	0.77	0/4464
All	All	0.40	0/6627	0.77	0/8955

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	3247	0	3137	45	0
1	B	3226	0	3114	43	0
2	A	18	0	21	1	0
2	B	18	0	21	2	0
3	A	56	0	0	1	0
3	B	52	0	0	0	0
All	All	6617	0	6293	83	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 6.

All (83) 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:147:ARG:HH22	1:A:377:GLU:HG3	1.16	1.08
1:A:147:ARG:HH22	1:A:377:GLU:CG	1.77	0.96
1:A:147:ARG:NH2	1:A:377:GLU:HG3	1.95	0.82
1:B:90:VAL:HG21	2:B:416:Y27:H321	1.64	0.80
1:A:109:LYS:HZ1	1:A:144:GLN:HB2	1.54	0.72
1:A:66:ILE:HD11	1:B:25:VAL:HG21	1.75	0.69
1:B:244:GLU:CD	1:B:323:ARG:HH22	2.02	0.68
1:A:84:ARG:HH22	1:A:373:GLU:H	1.42	0.67
1:A:316:PHE:O	1:A:323:ARG:HD2	1.95	0.65
1:B:223:MET:HB3	1:B:227:GLY:HA2	1.79	0.65
1:B:316:PHE:O	1:B:323:ARG:HD2	1.96	0.65
1:B:244:GLU:HG2	1:B:320:ARG:HD2	1.78	0.64
1:B:247:LYS:HG3	1:B:291:MET:HE1	1.82	0.62
1:B:128:MET:HB3	1:B:139:LEU:HB2	1.81	0.62
1:A:84:ARG:NH2	1:A:372:GLU:HG3	2.17	0.59
1:B:124:GLU:HG2	1:B:128:MET:HE2	1.83	0.59
1:A:124:GLU:HG2	1:A:128:MET:HE2	1.84	0.58
1:A:95:HIS:CE1	1:A:97:SER:HB3	2.38	0.58
1:A:37:LEU:HD13	1:B:37:LEU:HD13	1.83	0.58
1:A:241:ILE:HG21	1:A:246:LEU:HD13	1.85	0.58
1:A:84:ARG:HH21	1:A:372:GLU:HG3	1.68	0.57
1:A:147:ARG:NH2	1:A:377:GLU:CG	2.60	0.57
1:B:232:ASP:HB3	1:B:251:GLY:N	2.21	0.56
1:B:120:PHE:HB2	1:B:218:GLY:O	2.05	0.56
1:A:373:GLU:O	1:A:374:ASP:CB	2.53	0.56
1:B:36:ALA:HB1	1:B:391:GLN:HB3	1.89	0.55
1:A:244:GLU:OE1	1:A:323:ARG:NH2	2.41	0.54
1:A:30:LEU:HB3	1:B:30:LEU:HB3	1.90	0.54
1:B:261:TRP:CZ2	1:B:329:VAL:HG12	2.44	0.52
1:B:230:ARG:HB2	1:B:254:TYR:CZ	2.45	0.52
1:A:258:GLU:H	1:A:258:GLU:CD	2.17	0.52
1:A:84:ARG:NH2	1:A:373:GLU:H	2.07	0.52
1:A:145:ASP:HA	3:A:440:HOH:O	2.10	0.51
1:A:244:GLU:HA	1:A:247:LYS:HG2	1.92	0.51
1:B:109:LYS:HZ1	1:B:144:GLN:HB2	1.76	0.51
1:B:238:PRO:HA	1:B:241:ILE:HD12	1.93	0.50
1:A:90:VAL:HG21	2:A:416:Y27:H321	1.92	0.50
1:A:95:HIS:HE1	1:A:97:SER:HB3	1.75	0.50
1:B:124:GLU:HG3	1:B:217:PHE:H	1.78	0.49
1:A:140:PHE:HE1	1:A:154:GLU:HB3	1.78	0.49
1:A:128:MET:HB3	1:A:139:LEU:HB2	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:109:LYS:NZ	1:A:144:GLN:HB2	2.25	0.48
1:A:244:GLU:CD	1:A:323:ARG:HH22	2.21	0.47
1:B:374:ASP:C	1:B:376:GLY:N	2.69	0.47
1:A:312:LEU:HD12	1:A:337:PHE:CD1	2.50	0.47
1:B:233:THR:HG22	1:B:234:ALA:O	2.15	0.46
1:A:147:ARG:HH12	1:A:377:GLU:HG2	1.81	0.46
1:A:70:ARG:HG3	1:B:14:MET:HE3	1.98	0.46
1:A:247:LYS:HB3	1:A:291:MET:HE1	1.97	0.46
1:A:39:TYR:CD1	1:A:146:ASP:HB3	2.51	0.46
1:A:50:LYS:HA	1:A:50:LYS:NZ	2.32	0.45
1:B:392:LEU:N	1:B:393:PRO:HD2	2.31	0.45
1:B:116:SER:O	1:B:117:ASP:C	2.59	0.45
1:B:84:ARG:HG3	1:B:85:GLY:H	1.82	0.44
1:B:346:GLU:H	1:B:346:GLU:CD	2.25	0.44
1:B:232:ASP:O	1:B:233:THR:OG1	2.23	0.44
1:A:47:ARG:O	1:A:53:ASP:HB2	2.18	0.44
1:A:25:VAL:HG21	1:B:66:ILE:HD11	1.99	0.43
1:B:197:ARG:NH1	1:B:255:TYR:OH	2.50	0.43
1:A:261:TRP:CZ2	1:A:329:VAL:HG12	2.53	0.43
1:B:162:VAL:HG22	1:B:201:PRO:HB2	1.99	0.43
1:A:20:ASP:HB3	1:A:23:SER:HB2	2.00	0.43
1:B:15:ASP:HA	1:B:18:LEU:HD12	2.00	0.43
1:B:20:ASP:HB3	1:B:23:SER:HB2	2.01	0.43
1:A:147:ARG:HH22	1:A:377:GLU:HG2	1.71	0.43
1:A:140:PHE:CE1	1:A:154:GLU:HB3	2.54	0.42
1:B:312:LEU:HD12	1:B:337:PHE:CD1	2.55	0.42
1:A:50:LYS:HA	1:A:50:LYS:HZ3	1.85	0.42
1:A:116:SER:O	1:A:117:ASP:CB	2.67	0.42
1:B:84:ARG:CG	1:B:85:GLY:H	2.33	0.42
1:B:90:VAL:CG2	2:B:416:Y27:H321	2.45	0.42
1:B:125:ARG:NH1	1:B:399:TYR:HB2	2.35	0.42
1:B:244:GLU:CG	1:B:320:ARG:HD2	2.48	0.41
1:B:22:LYS:HG2	1:B:130:PHE:CE2	2.56	0.41
1:A:78:VAL:HA	1:A:93:VAL:HG12	2.02	0.41
1:B:140:PHE:HE1	1:B:154:GLU:HB3	1.85	0.41
1:B:95:HIS:CE1	1:B:97:SER:HB3	2.56	0.41
1:A:125:ARG:HD2	1:A:397:PHE:O	2.20	0.41
1:B:110:PHE:HA	1:B:381:PHE:CZ	2.56	0.41
1:A:62:THR:O	1:A:66:ILE:HG12	2.21	0.41
1:B:39:TYR:CZ	1:B:146:ASP:HB3	2.56	0.41
1:B:269:TYR:CD1	1:B:277:PRO:HD3	2.55	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:162:VAL:HG22	1:A:201:PRO:HB2	2.03	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	398/415 (96%)	371 (93%)	20 (5%)	7 (2%)	6	14
1	B	396/415 (95%)	362 (91%)	28 (7%)	6 (2%)	8	18
All	All	794/830 (96%)	733 (92%)	48 (6%)	13 (2%)	7	16

All (13) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	117	ASP
1	A	374	ASP
1	B	86	ALA
1	B	372	GLU
1	A	252	ASP
1	A	375	LYS
1	A	377	GLU
1	B	117	ASP
1	B	233	THR
1	A	216	ASP
1	B	216	ASP
1	A	86	ALA
1	B	237	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	352/369 (95%)	338 (96%)	14 (4%)	28	55
1	B	351/369 (95%)	337 (96%)	14 (4%)	28	55
All	All	703/738 (95%)	675 (96%)	28 (4%)	28	55

All (28) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	15	ASP
1	A	50	LYS
1	A	117	ASP
1	A	225	LYS
1	A	268	LEU
1	A	312	LEU
1	A	321	GLU
1	A	322	VAL
1	A	341	ASP
1	A	346	GLU
1	A	373	GLU
1	A	375	LYS
1	A	377	GLU
1	A	379	GLU
1	B	26	ASN
1	B	50	LYS
1	B	244	GLU
1	B	268	LEU
1	B	297	LEU
1	B	312	LEU
1	B	321	GLU
1	B	322	VAL
1	B	341	ASP
1	B	346	GLU
1	B	372	GLU
1	B	373	GLU
1	B	377	GLU

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Mol	Chain	Res	Type
1	B	391	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (13) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	16	ASN
1	A	54	ASN
1	A	167	ASN
1	A	292	ASN
1	A	327	ASN
1	B	16	ASN
1	B	54	ASN
1	B	64	ASN
1	B	144	GLN
1	B	167	ASN
1	B	249	GLN
1	B	292	ASN
1	B	327	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](#)

2 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	Y27	A	416	-	19,19,19	0.74	1 (5%)	23,25,25	0.81	0
2	Y27	B	416	-	19,19,19	0.73	1 (5%)	23,25,25	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	Y27	A	416	-	-	0/12/22/22	0/2/2/2
2	Y27	B	416	-	-	0/12/22/22	0/2/2/2

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	416	Y27	C14-N21	-2.58	1.36	1.41
2	B	416	Y27	C14-N21	-2.56	1.36	1.41

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

2 monomers are involved in 3 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	A	416	Y27	1	0
2	B	416	Y27	2	0

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	400/415 (96%)	0.27	22 (5%) 30 25	39, 60, 105, 125	0
1	B	398/415 (95%)	0.50	23 (5%) 29 23	40, 67, 101, 128	0
All	All	798/830 (96%)	0.39	45 (5%) 30 24	39, 63, 101, 128	0

All (45) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	6	SER	4.4
1	A	11	PHE	4.3
1	B	373	GLU	4.0
1	A	7	PHE	3.9
1	A	250	GLY	3.5
1	A	8	GLU	3.5
1	B	375	LYS	3.4
1	A	374	ASP	3.4
1	A	341	ASP	3.4
1	B	39	TYR	3.1
1	A	115	ARG	3.1
1	B	235	VAL	3.0
1	B	234	ALA	3.0
1	B	380	THR	2.9
1	B	233	THR	2.9
1	A	248	SER	2.8
1	B	302	ASP	2.7
1	B	231	CYS	2.6
1	A	373	GLU	2.6
1	B	148	TYR	2.6
1	A	119	ALA	2.6
1	A	252	ASP	2.5
1	A	379	GLU	2.5
1	A	405	TYR	2.5

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Mol	Chain	Res	Type	RSRZ
1	B	250	GLY	2.4
1	B	237	THR	2.4
1	A	44	PRO	2.4
1	B	341	ASP	2.4
1	B	229	VAL	2.3
1	B	65	LYS	2.3
1	A	251	GLY	2.3
1	A	147	ARG	2.3
1	B	376	GLY	2.3
1	B	86	ALA	2.2
1	B	372	GLU	2.2
1	B	64	ASN	2.2
1	B	251	GLY	2.2
1	A	371	LEU	2.2
1	B	43	PHE	2.2
1	B	147	ARG	2.2
1	B	254	TYR	2.1
1	A	253	GLY	2.1
1	A	254	TYR	2.1
1	A	303	ASN	2.0
1	A	372	GLU	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($\text{\AA}^2$)	Q<0.9
2	Y27	A	416	18/18	0.96	0.07	39,41,44,46	0
2	Y27	B	416	18/18	0.96	0.07	44,50,55,56	0

6.5 Other polymers [i](#)

There are no such residues in this entry.