



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 9, 2026 – 04:34 PM UTC

PDB ID : 9SGH / pdb_00009sgh
Title : Bimekizumab Fab in complex with human interleukin-17A
Authors : Rondeau, J.-M.; Lehmann, S.
Deposited on : 2025-08-22
Resolution : 2.66 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

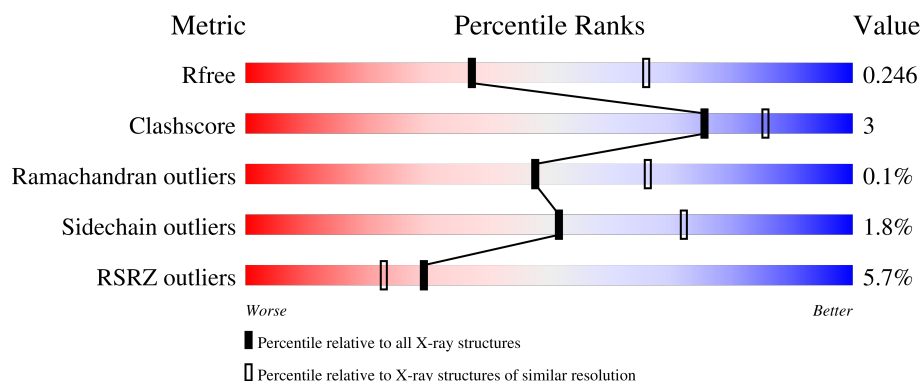
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.66 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	1110 (2.66-2.66)
Clashscore	190562	1141 (2.66-2.66)
Ramachandran outliers	187476	1126 (2.66-2.66)
Sidechain outliers	187428	1126 (2.66-2.66)
RSRZ outliers	180081	1110 (2.66-2.66)

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	232	5% 87% 8% 5%
1	H	232	4% 87% 7% 6%
2	B	213	% 92% 8%
2	L	213	5% 91% 9%
3	I	122	11% 75% 8% 16%

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Mol	Chain	Length	Quality of chain
3	J	122	11% 72% 11% • 16%

2 Entry composition

There are 6 unique types of molecules in this entry. The entry contains 8435 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 Bimekizumab Fab heavy-chain.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	221	Total	C	N	O	S	0	0	0
			1682	1068	283	325	6			
1	H	219	Total	C	N	O	S	0	1	0
			1684	1072	282	324	6			

- Molecule 2 is a protein called Bimekizumab Fab light-chain.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	213	Total	C	N	O	S	0	0	0
			1655	1037	280	333	5			
2	L	213	Total	C	N	O	S	0	0	0
			1655	1037	280	333	5			

- Molecule 3 is a protein called Interleukin-17A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	I	103	Total	C	N	O	S	0	0	0
			844	530	158	150	6			
3	J	102	Total	C	N	O	S	0	0	0
			833	523	155	149	6			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
I	129	SER	CYS	engineered mutation	UNP Q16552
J	129	SER	CYS	engineered mutation	UNP Q16552

- Molecule 4 is ZINC ION (CCD ID: ZN) (formula: Zn).

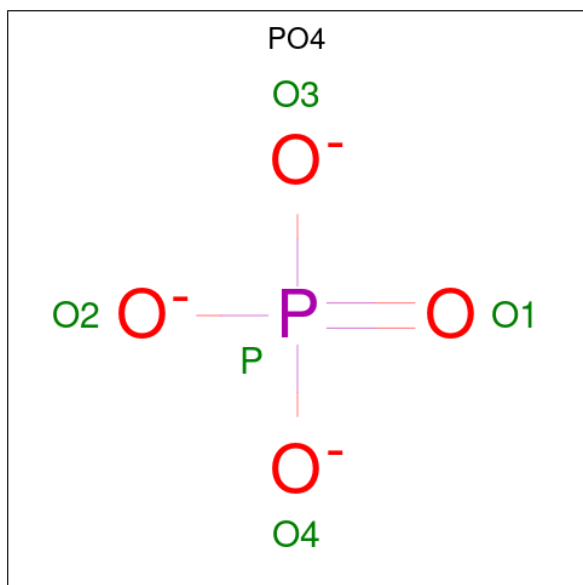
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	B	1	Total	Zn	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	H	1	Total	Zn	0	0
			1	1		
4	I	2	Total	Zn	0	0
			2	2		
4	J	2	Total	Zn	0	0
			2	2		

- Molecule 5 is PHOSPHATE ION (CCD ID: PO4) (formula: O₄P).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
5	I	1	Total	O	P	0	0
			5	4	1		

- Molecule 6 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	A	14	Total	O	0	0
			14	14		
6	B	9	Total	O	0	0
			9	9		
6	H	15	Total	O	0	0
			15	15		
6	I	13	Total	O	0	0
			13	13		
6	J	10	Total	O	0	0
			10	10		

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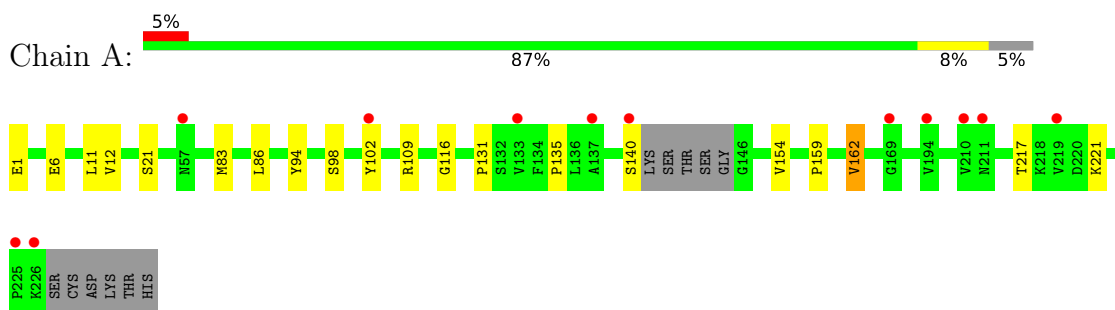
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	L	10	Total	O	0	0
			10	10		

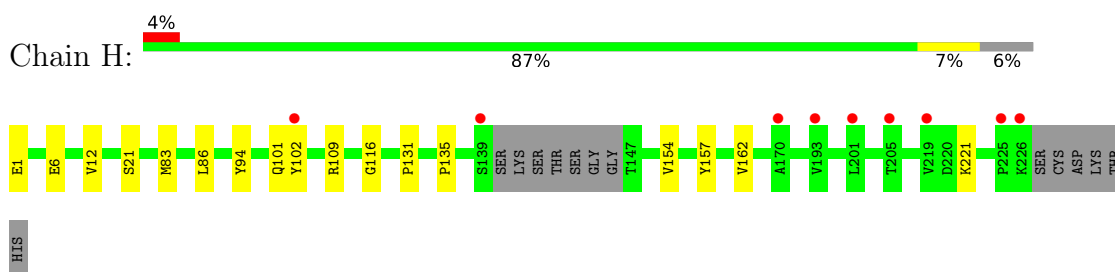
3 Residue-property plots [i](#)

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.

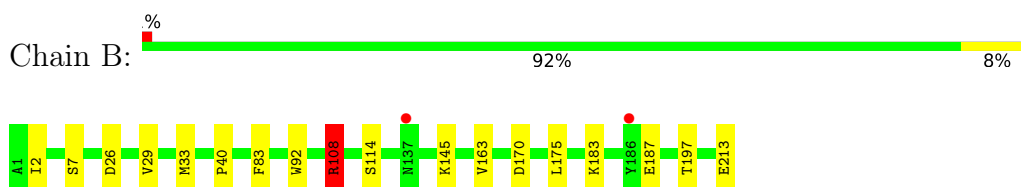
- Molecule 1: Bimekizumab Fab heavy-chain



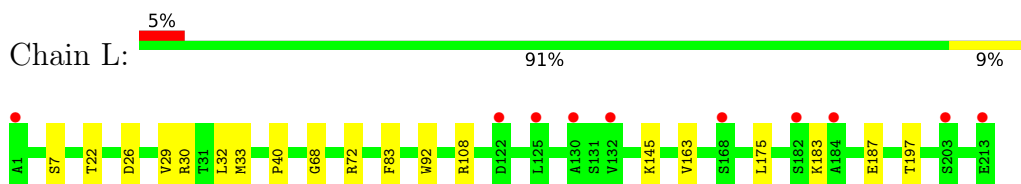
- Molecule 1: Bimekizumab Fab heavy-chain



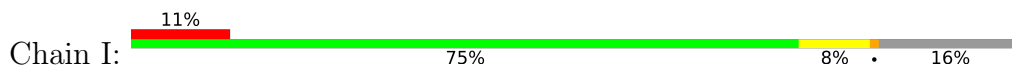
- Molecule 2: Bimekizumab Fab light-chain

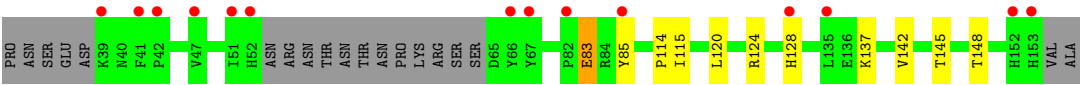


- Molecule 2: Bimekizumab Fab light-chain

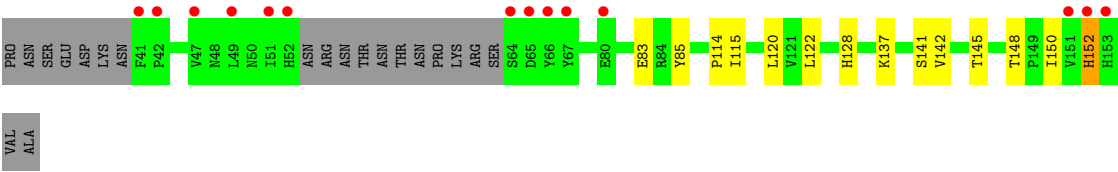


- Molecule 3: Interleukin-17A





● Molecule 3: Interleukin-17A



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 2	Depositor
Cell constants a, b, c, α , β , γ	117.56Å 148.49Å 92.75Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	47.09 – 2.66 47.09 – 2.66	Depositor EDS
% Data completeness (in resolution range)	71.8 (47.09-2.66) 71.8 (47.09-2.66)	Depositor EDS
R_{merge}	0.28	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.73 (at 2.65Å)	Xtriage
Refinement program	BUSTER 2.11.8 (26-JUL-2023)	Depositor
R, R_{free}	0.221 , 0.253 (Not available) , 0.246	Depositor DCC
R_{free} test set	1665 reflections (3.52%)	wwPDB-VP
Wilson B-factor (Å ²)	42.9	Xtriage
Anisotropy	0.092	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.29 , 43.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	8435	wwPDB-VP
Average B, all atoms (Å ²)	55.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The analyses of the Patterson function reveals a significant off-origin peak that is 75.32 % 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 1.2932e-06. 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: PO4, 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	0.61	0/1726	0.91	0/2353
1	H	0.59	0/1729	0.89	0/2358
2	B	0.65	0/1692	0.95	3/2299 (0.1%)
2	L	0.62	0/1692	0.95	2/2299 (0.1%)
3	I	0.68	0/868	0.96	0/1183
3	J	0.69	0/857	0.98	1/1169 (0.1%)
All	All	0.63	0/8564	0.93	6/11661 (0.1%)

There are no bond length outliers.

All (6) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	L	26	ASP	CA-CB-CG	5.66	118.26	112.60
2	L	108	ARG	N-CA-CB	-5.54	102.64	111.62
2	B	2	ILE	N-CA-CB	5.08	116.64	110.95
2	B	108	ARG	N-CA-CB	-5.06	103.42	111.62
2	B	26	ASP	CA-CB-CG	5.01	117.61	112.60
3	J	152	HIS	N-CA-C	5.00	116.67	109.07

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	1682	0	1636	10	0
1	H	1684	0	1636	12	0
2	B	1655	0	1609	7	0
2	L	1655	0	1609	9	0
3	I	844	0	815	11	0
3	J	833	0	801	11	0
4	B	1	0	0	0	0
4	H	1	0	0	0	0
4	I	2	0	0	0	0
4	J	2	0	0	0	0
5	I	5	0	0	0	0
6	A	14	0	0	0	0
6	B	9	0	0	0	0
6	H	15	0	0	0	0
6	I	13	0	0	0	0
6	J	10	0	0	0	0
6	L	10	0	0	0	0
All	All	8435	0	8106	50	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 3.

All (50) 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:H:102[B]:TYR:CD1	3:J:141:SER:HB2	2.15	0.81
3:I:83:GLU:HG2	3:I:124:ARG:HE	1.52	0.74
3:J:83:GLU:OE2	3:J:128:HIS:ND1	2.26	0.69
3:I:83:GLU:HA	3:I:124:ARG:NE	2.14	0.63
1:H:102[B]:TYR:HD1	3:J:141:SER:HB2	1.63	0.62
1:H:109:ARG:NH1	2:L:92:TRP:CE3	2.69	0.60
3:I:115:ILE:HD11	3:I:145:THR:HB	1.84	0.60
1:H:102[A]:TYR:CD1	3:J:114:PRO:HG3	2.39	0.57
3:J:115:ILE:HD11	3:J:145:THR:HB	1.86	0.57
2:L:183:LYS:O	2:L:187:GLU:HG2	2.05	0.57
2:L:145:LYS:HB3	2:L:197:THR:HB	1.88	0.56
2:B:29:VAL:HG21	2:B:33:MET:HE2	1.86	0.56
2:B:183:LYS:O	2:B:187:GLU:HG2	2.05	0.55
3:I:115:ILE:HD12	3:J:115:ILE:HD12	1.88	0.55
3:J:85:TYR:HB3	3:J:122:LEU:HB2	1.89	0.55
2:B:145:LYS:HB3	2:B:197:THR:HB	1.89	0.54
2:L:29:VAL:HG21	2:L:33:MET:HE2	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:109:ARG:NH1	2:B:92:TRP:CE3	2.77	0.53
3:I:142:VAL:HG11	3:J:142:VAL:HG21	1.91	0.53
1:A:6:GLU:OE1	1:A:116:GLY:HA3	2.10	0.52
1:H:6:GLU:OE1	1:H:116:GLY:HA3	2.11	0.51
3:I:142:VAL:HG21	3:J:142:VAL:HG11	1.92	0.51
1:A:154:VAL:HG11	1:A:162:VAL:HG11	1.92	0.50
1:H:6:GLU:OE2	1:H:94:TYR:O	2.31	0.48
1:H:135:PRO:HD3	1:H:221:LYS:HE2	1.94	0.48
2:B:108:ARG:HD2	2:B:170:ASP:O	2.13	0.48
1:A:131:PRO:HD2	1:A:217:THR:HG21	1.96	0.48
1:A:135:PRO:HD3	1:A:221:LYS:HE2	1.95	0.48
3:I:120:LEU:HD23	3:I:137:LYS:HG2	1.97	0.47
3:I:83:GLU:HA	3:I:124:ARG:HE	1.80	0.46
1:A:6:GLU:OE2	1:A:94:TYR:O	2.33	0.46
1:H:109:ARG:NH1	2:L:92:TRP:CZ3	2.80	0.46
1:H:83:MET:HE2	1:H:86:LEU:HD21	1.97	0.45
2:L:40:PRO:HG2	2:L:83:PHE:HE2	1.82	0.45
1:A:83:MET:HE2	1:A:86:LEU:HD21	1.97	0.45
1:A:11:LEU:HB2	1:A:159:PRO:HG3	1.99	0.45
3:J:120:LEU:HD23	3:J:137:LYS:HG2	2.00	0.44
3:J:150:ILE:HG23	3:J:152:HIS:NE2	2.34	0.43
3:I:124:ARG:NH2	3:I:128:HIS:ND1	2.67	0.43
1:H:154:VAL:HG11	1:H:162:VAL:HG11	2.01	0.42
2:B:163:VAL:HG22	2:B:175:LEU:HD12	2.00	0.42
1:A:12:VAL:HG11	1:A:86:LEU:HD13	2.01	0.42
1:H:12:VAL:HG11	1:H:86:LEU:HD13	2.01	0.41
2:L:32:LEU:HD13	2:L:92:TRP:HE3	1.85	0.41
2:L:22:THR:HG22	2:L:72:ARG:HG3	2.03	0.41
1:A:102:TYR:CD1	3:I:114:PRO:HG3	2.56	0.41
2:L:163:VAL:HG22	2:L:175:LEU:HD12	2.01	0.41
2:B:40:PRO:HG2	2:B:83:PHE:HE2	1.84	0.41
3:I:85:TYR:CD2	3:I:85:TYR:C	2.99	0.41
1:H:131:PRO:HB3	1:H:157:TYR:HB3	2.01	0.41

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	217/232 (94%)	214 (99%)	3 (1%)	0	100	100
1	H	216/232 (93%)	213 (99%)	3 (1%)	0	100	100
2	B	211/213 (99%)	201 (95%)	10 (5%)	0	100	100
2	L	211/213 (99%)	203 (96%)	7 (3%)	1 (0%)	24	39
3	I	99/122 (81%)	99 (100%)	0	0	100	100
3	J	98/122 (80%)	96 (98%)	2 (2%)	0	100	100
All	All	1052/1134 (93%)	1026 (98%)	25 (2%)	1 (0%)	48	66

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	L	68	GLY

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	185/195 (95%)	180 (97%)	5 (3%)	39	61
1	H	185/195 (95%)	182 (98%)	3 (2%)	55	74
2	B	189/189 (100%)	185 (98%)	4 (2%)	47	69
2	L	189/189 (100%)	187 (99%)	2 (1%)	65	80
3	I	98/116 (84%)	96 (98%)	2 (2%)	48	69
3	J	97/116 (84%)	96 (99%)	1 (1%)	68	81

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
All	All	943/1000 (94%)	926 (98%)	17 (2%)	51 72

All (17) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	1	GLU
1	A	21	SER
1	A	98	SER
1	A	140	SER
1	A	162	VAL
2	B	7	SER
2	B	108	ARG
2	B	114	SER
2	B	213	GLU
1	H	1	GLU
1	H	21	SER
1	H	101	GLN
3	I	83	GLU
3	I	148	THR
3	J	148	THR
2	L	7	SER
2	L	30	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (10) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	39	GLN
1	A	183	GLN
1	A	204	GLN
2	B	38	GLN
1	H	39	GLN
1	H	84	ASN
1	H	114	HIS
1	H	204	GLN
1	H	211	ASN
2	L	38	GLN

5.3.3 RNA ⓘ

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 7 ligands modelled in this entry, 6 are monoatomic - leaving 1 for Mogul analysis.

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	$\# Z > 2$
5	PO4	I	203	-	4,4,4	1.01	0	6,6,6	0.41	0

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	221/232 (95%)	0.46	12 (5%) 31 25	21, 51, 94, 103	0
1	H	219/232 (94%)	0.37	9 (4%) 41 33	15, 49, 90, 99	1 (0%)
2	B	213/213 (100%)	0.31	2 (0%) 81 78	18, 54, 77, 93	0
2	L	213/213 (100%)	0.43	10 (4%) 36 28	17, 54, 80, 94	0
3	I	103/122 (84%)	0.78	14 (13%) 7 5	27, 59, 108, 121	0
3	J	102/122 (83%)	0.79	14 (13%) 6 5	27, 60, 99, 123	0
All	All	1071/1134 (94%)	0.47	61 (5%) 29 23	15, 53, 93, 123	1 (0%)

All (61) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
3	J	41	PHE	6.0
3	I	67	TYR	4.9
3	J	52	HIS	4.4
3	I	66	TYR	4.3
1	H	139	SER	3.8
3	J	152	HIS	3.8
1	A	140	SER	3.7
1	A	169	GLY	3.7
3	J	42	PRO	3.6
3	J	47	VAL	3.6
3	I	52	HIS	3.5
1	H	193	VAL	3.3
3	I	39	LYS	3.2
3	J	153	HIS	3.2
2	L	182	SER	3.2
3	I	41	PHE	3.1
1	A	102	TYR	3.1
3	I	153	HIS	3.0
3	J	67	TYR	3.0

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Mol	Chain	Res	Type	RSRZ
3	J	64	SER	2.9
3	I	152	HIS	2.9
3	I	42	PRO	2.8
3	J	66	TYR	2.8
3	I	128	HIS	2.8
1	A	137	ALA	2.7
3	J	80	GLU	2.7
1	A	133	VAL	2.7
3	J	151	VAL	2.7
1	H	225	PRO	2.6
3	J	49	LEU	2.6
2	L	168	SER	2.5
2	L	125	LEU	2.5
1	H	226	LYS	2.5
1	A	57	ASN	2.5
2	L	184	ALA	2.5
2	B	186	TYR	2.4
1	H	205	THR	2.3
1	A	226	LYS	2.3
3	I	82	PRO	2.3
1	A	210	VAL	2.3
3	J	51	ILE	2.3
3	I	85	TYR	2.2
2	B	137	ASN	2.2
2	L	122	ASP	2.2
1	A	219	VAL	2.2
1	H	219	VAL	2.2
2	L	203	SER	2.2
2	L	132	VAL	2.2
2	L	1	ALA	2.2
1	A	194	VAL	2.1
1	H	102[A]	TYR	2.1
3	I	135	LEU	2.1
3	I	51	ILE	2.1
2	L	130	ALA	2.1
1	A	225	PRO	2.1
1	A	211	ASN	2.1
3	J	65	ASP	2.0
2	L	213	GLU	2.0
1	H	170	ALA	2.0
1	H	201	LEU	2.0
3	I	47	VAL	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
5	PO4	I	203	5/5	0.83	0.12	42,42,42,43	0
4	ZN	H	301	1/1	0.95	0.07	78,78,78,78	0
4	ZN	I	202	1/1	0.96	0.07	69,69,69,69	0
4	ZN	J	202	1/1	0.97	0.10	43,43,43,43	0
4	ZN	B	301	1/1	0.98	0.04	70,70,70,70	0
4	ZN	J	201	1/1	0.98	0.08	72,72,72,72	0
4	ZN	I	201	1/1	0.99	0.04	37,37,37,37	0

6.5 Other polymers [i](#)

There are no such residues in this entry.