



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 10, 2026 – 12:51 AM UTC

PDB ID : 4O9B / pdb_00004o9b
Title : The Structure of CC1-IH in human STIM1.
Authors : Cui, B.; Yang, X.; Li, S.; Shen, Y.
Deposited on : 2014-01-02
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
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

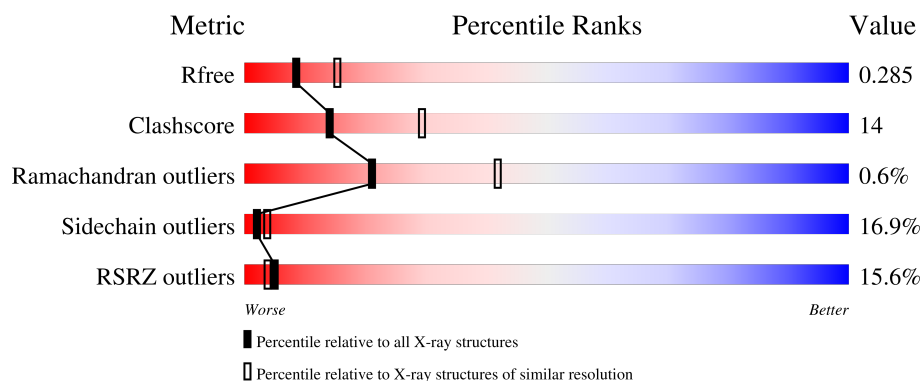
1 Overall quality at a glance

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	104	17% 63% 14% 8% 14%
1	B	104	8% 59% 24% • 13%
1	C	104	10% 58% 22% 9% 12%
1	D	104	19% 61% 20% • • 14%

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 2920 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 Stromal interaction molecule 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	89	Total	C	N	O	S	0	0	0
			700	427	137	135	1			
1	B	90	Total	C	N	O	S	0	0	0
			717	434	134	148	1			
1	C	92	Total	C	N	O	S	0	0	0
			731	444	137	149	1			
1	D	89	Total	C	N	O	S	0	0	0
			707	429	136	141	1			

There are 8 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	244	LEU	MET	engineered mutation	UNP Q13586
A	321	MET	LEU	engineered mutation	UNP Q13586
B	244	LEU	MET	engineered mutation	UNP Q13586
B	321	MET	LEU	engineered mutation	UNP Q13586
C	244	LEU	MET	engineered mutation	UNP Q13586
C	321	MET	LEU	engineered mutation	UNP Q13586
D	244	LEU	MET	engineered mutation	UNP Q13586
D	321	MET	LEU	engineered mutation	UNP Q13586

- Molecule 2 is CADMIUM ION (CCD ID: CD) (formula: Cd).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	B	1	Total	Cd	0	0
			1	1		
2	C	1	Total	Cd	0	0
			1	1		
2	D	1	Total	Cd	0	0
			1	1		

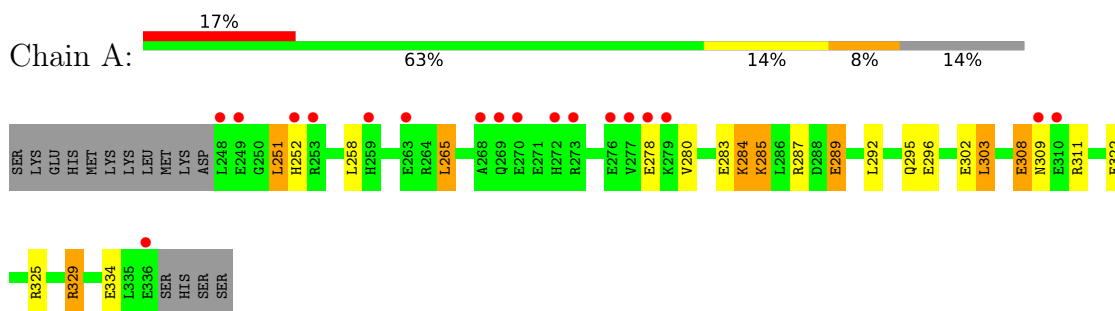
- Molecule 3 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	13	Total 13	O 13	0	0
3	B	13	Total 13	O 13	0	0
3	C	19	Total 19	O 19	0	0
3	D	17	Total 17	O 17	0	0

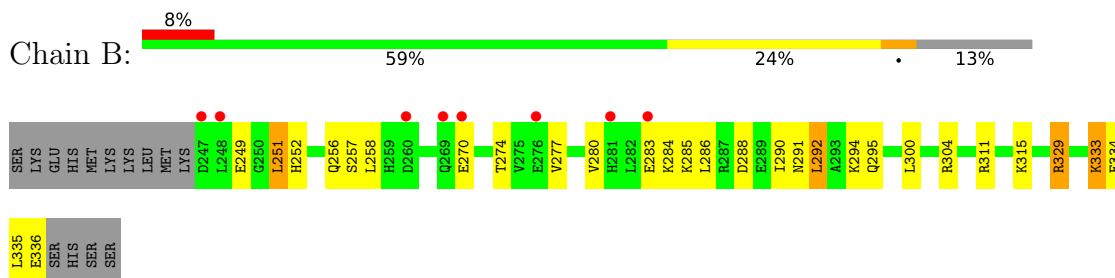
3 Residue-property plots [i](#)

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.

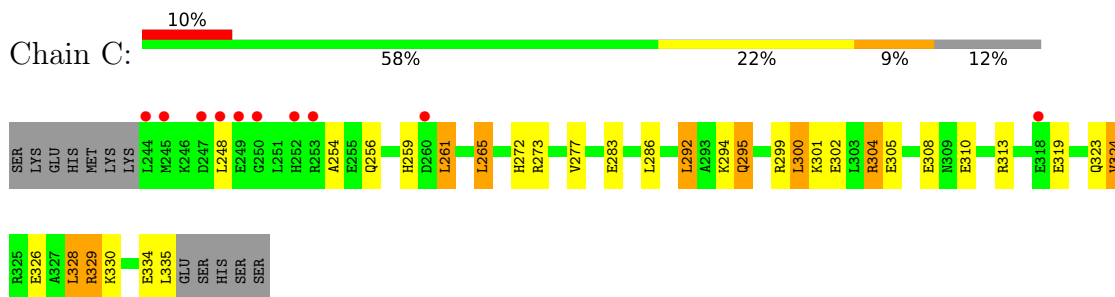
• Molecule 1: Stromal interaction molecule 1



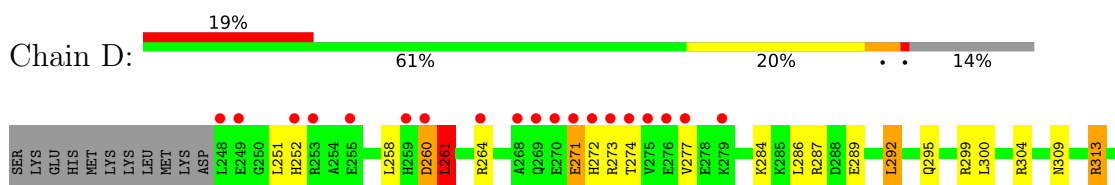
• Molecule 1: Stromal interaction molecule 1

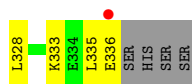


• Molecule 1: Stromal interaction molecule 1



• Molecule 1: Stromal interaction molecule 1





4 Data and refinement statistics

Property	Value	Source
Space group	P 32 2 1	Depositor
Cell constants a, b, c, α , β , γ	101.85Å 101.85Å 104.56Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	33.71 – 2.60 33.71 – 2.60	Depositor EDS
% Data completeness (in resolution range)	89.2 (33.71-2.60) 88.8 (33.71-2.60)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	7.76 (at 2.61Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.6.4_486)	Depositor
R, R_{free}	0.228 , 0.289 0.224 , 0.285	Depositor DCC
R_{free} test set	924 reflections (4.71%)	wwPDB-VP
Wilson B-factor (Å ²)	34.3	Xtriage
Anisotropy	0.247	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 87.8	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	0.032 for -h,-k,l	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	2920	wwPDB-VP
Average B, all atoms (Å ²)	65.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.14% 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 [i](#)

5.1 Standard geometry [i](#)

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

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	0.56	0/704	0.81	0/939
1	B	0.53	0/720	0.82	0/961
1	C	0.69	0/735	0.89	1/982 (0.1%)
1	D	0.59	0/710	0.79	0/946
All	All	0.60	0/2869	0.83	1/3828 (0.0%)

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	C	277	VAL	CB-CA-C	-5.04	105.33	112.14

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

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	700	0	677	21	0
1	B	717	0	682	26	0
1	C	731	0	694	24	0
1	D	707	0	678	17	0
2	B	1	0	0	0	0
2	C	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	D	1	0	0	0	0
3	A	13	0	0	1	0
3	B	13	0	0	0	0
3	C	19	0	0	3	0
3	D	17	0	0	0	0
All	All	2920	0	2731	80	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 14.

All (80) 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:C:334:GLU:O	1:C:335:LEU:HD12	1.71	0.90
1:D:309:ASN:HB3	1:D:313:ARG:NH2	1.91	0.84
1:B:280:VAL:HG12	1:B:283:GLU:OE1	1.83	0.79
1:B:286:LEU:O	1:B:290:ILE:HG13	1.84	0.78
1:B:290:ILE:HG12	1:C:328:LEU:HD13	1.65	0.77
1:C:261:LEU:O	1:C:265:LEU:HB2	1.89	0.71
1:D:309:ASN:HB3	1:D:313:ARG:HH22	1.60	0.67
1:C:326:GLU:O	1:C:329:ARG:HD3	1.95	0.66
1:A:284:LYS:HG3	1:A:285:LYS:HD2	1.76	0.65
1:C:272:HIS:CE1	3:C:519:HOH:O	2.50	0.64
1:B:335:LEU:HD13	1:C:283:GLU:HG3	1.80	0.64
1:D:274:THR:O	1:D:277:VAL:HG12	2.03	0.59
1:C:329:ARG:HG2	1:C:330:LYS:N	2.17	0.58
1:C:295:GLN:NE2	1:C:295:GLN:HA	2.18	0.58
1:B:256:GLN:HG3	1:B:257:SER:N	2.18	0.58
1:A:285:LYS:HD2	1:A:285:LYS:N	2.16	0.58
1:A:284:LYS:HG3	1:A:285:LYS:CD	2.33	0.57
1:C:295:GLN:HA	1:C:295:GLN:HE21	1.71	0.56
1:B:270:GLU:O	1:B:274:THR:HG23	2.06	0.55
1:D:251:LEU:O	1:D:252:HIS:C	2.50	0.55
1:B:334:GLU:C	1:B:336:GLU:H	2.14	0.55
1:C:300:LEU:HD22	1:C:304:ARG:HD2	1.89	0.55
1:B:311:ARG:O	1:B:315:LYS:HG3	2.07	0.54
1:C:310:GLU:HG2	1:C:313:ARG:HH22	1.73	0.53
1:B:300:LEU:O	1:B:304:ARG:HG2	2.08	0.53
1:C:295:GLN:HE21	1:C:295:GLN:CA	2.21	0.53
1:C:299:ARG:NH1	1:C:302:GLU:OE1	2.39	0.53
1:B:280:VAL:HA	1:B:283:GLU:HB2	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:300:LEU:O	1:D:304:ARG:HG2	2.10	0.52
1:A:258:LEU:HD13	1:D:286:LEU:HD23	1.92	0.51
1:B:290:ILE:HG12	1:C:328:LEU:CD1	2.37	0.51
1:A:303:LEU:HD12	1:A:303:LEU:O	2.10	0.51
1:B:256:GLN:HG3	1:B:257:SER:H	1.77	0.50
1:D:271:GLU:C	1:D:273:ARG:H	2.19	0.50
1:A:285:LYS:HD3	3:A:412:HOH:O	2.11	0.49
1:B:277:VAL:O	1:B:280:VAL:HG22	2.11	0.49
1:D:309:ASN:HB3	1:D:313:ARG:CZ	2.42	0.49
1:B:329:ARG:CZ	1:B:333:LYS:HZ1	2.26	0.49
1:D:299:ARG:O	1:D:300:LEU:C	2.54	0.49
1:A:251:LEU:O	1:A:252:HIS:C	2.56	0.48
1:A:309:ASN:C	1:A:311:ARG:N	2.70	0.48
1:C:305:GLU:HA	1:C:308:GLU:CD	2.38	0.48
1:A:283:GLU:HA	1:D:261:LEU:HD13	1.95	0.47
1:A:329:ARG:HB3	1:A:329:ARG:CZ	2.45	0.47
1:B:334:GLU:OE2	1:B:336:GLU:OE2	2.34	0.46
1:C:334:GLU:C	1:C:335:LEU:HD12	2.38	0.46
1:D:335:LEU:O	1:D:336:GLU:C	2.58	0.46
1:B:288:ASP:O	1:B:291:ASN:N	2.47	0.45
1:A:322:GLU:HA	1:A:325:ARG:NH2	2.32	0.45
1:C:326:GLU:OE2	1:C:330:LYS:HE3	2.15	0.45
1:C:272:HIS:HE1	3:C:519:HOH:O	1.94	0.45
1:C:254:ALA:C	1:C:256:GLN:N	2.75	0.44
1:A:309:ASN:C	1:A:311:ARG:H	2.25	0.44
1:C:259:HIS:HB2	3:C:511:HOH:O	2.17	0.44
1:A:289:GLU:OE2	1:A:289:GLU:HA	2.17	0.44
1:D:284:LYS:CE	1:D:287:ARG:HH22	2.31	0.44
1:A:258:LEU:HB2	1:D:286:LEU:HD23	2.00	0.44
1:A:284:LYS:HE2	1:A:284:LYS:HB2	1.89	0.44
1:B:256:GLN:CG	1:B:257:SER:N	2.81	0.43
1:A:308:GLU:OE1	1:A:308:GLU:HA	2.11	0.43
1:A:284:LYS:HG3	1:A:285:LYS:N	2.33	0.43
1:B:280:VAL:HA	1:B:283:GLU:CB	2.49	0.43
1:C:292:LEU:HD23	1:C:292:LEU:HA	1.85	0.43
1:A:308:GLU:OE2	1:A:311:ARG:HD2	2.20	0.42
1:B:292:LEU:HD23	1:B:292:LEU:H	1.83	0.42
1:C:323:GLN:O	1:C:324:VAL:C	2.62	0.42
1:B:284:LYS:O	1:B:285:LYS:C	2.62	0.42
1:B:277:VAL:HA	1:B:280:VAL:HG22	2.02	0.42
1:B:292:LEU:N	1:B:292:LEU:CD2	2.83	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:292:LEU:C	1:B:294:LYS:H	2.29	0.41
1:A:258:LEU:CD1	1:D:286:LEU:HD23	2.50	0.41
1:A:287:ARG:HA	1:D:258:LEU:CD2	2.51	0.41
1:B:292:LEU:C	1:B:294:LYS:N	2.78	0.41
1:C:304:ARG:O	1:C:308:GLU:HG3	2.21	0.41
1:D:292:LEU:HD22	1:D:292:LEU:HA	1.69	0.41
1:C:299:ARG:HA	1:C:299:ARG:HD2	1.90	0.40
1:D:260:ASP:O	1:D:261:LEU:C	2.64	0.40
1:A:265:LEU:HD12	1:A:265:LEU:HA	1.89	0.40
1:B:288:ASP:O	1:B:291:ASN:HB3	2.21	0.40
1:B:251:LEU:O	1:B:252:HIS:C	2.64	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	87/104 (84%)	81 (93%)	6 (7%)	0	100	100
1	B	88/104 (85%)	81 (92%)	7 (8%)	0	100	100
1	C	90/104 (86%)	86 (96%)	4 (4%)	0	100	100
1	D	87/104 (84%)	77 (88%)	8 (9%)	2 (2%)	5	9
All	All	352/416 (85%)	325 (92%)	25 (7%)	2 (1%)	21	42

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	D	272	HIS
1	D	261	LEU

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	67/95 (70%)	52 (78%)	15 (22%)	1	1
1	B	71/95 (75%)	64 (90%)	7 (10%)	7	16
1	C	72/95 (76%)	57 (79%)	15 (21%)	1	2
1	D	68/95 (72%)	58 (85%)	10 (15%)	3	6
All	All	278/380 (73%)	231 (83%)	47 (17%)	2	4

All (47) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	251	LEU
1	A	265	LEU
1	A	278	GLU
1	A	280	VAL
1	A	284	LYS
1	A	285	LYS
1	A	289	GLU
1	A	292	LEU
1	A	295	GLN
1	A	296	GLU
1	A	302	GLU
1	A	303	LEU
1	A	308	GLU
1	A	329	ARG
1	A	334	GLU
1	B	249	GLU
1	B	251	LEU
1	B	258	LEU
1	B	292	LEU
1	B	295	GLN
1	B	329	ARG
1	B	333	LYS
1	C	248	LEU
1	C	261	LEU

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Mol	Chain	Res	Type
1	C	265	LEU
1	C	273	ARG
1	C	286	LEU
1	C	292	LEU
1	C	294	LYS
1	C	295	GLN
1	C	300	LEU
1	C	301	LYS
1	C	304	ARG
1	C	319	GLU
1	C	324	VAL
1	C	328	LEU
1	C	329	ARG
1	D	260	ASP
1	D	261	LEU
1	D	264	ARG
1	D	271	GLU
1	D	289	GLU
1	D	292	LEU
1	D	295	GLN
1	D	313	ARG
1	D	328	LEU
1	D	333	LYS

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	309	ASN
1	A	323	GLN
1	B	295	GLN
1	B	314	GLN
1	B	323	GLN
1	C	295	GLN
1	C	323	GLN
1	D	291	ASN
1	D	295	GLN
1	D	323	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 3 ligands modelled in this entry, 3 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	89/104 (85%)	0.87	18 (20%) 3 2	37, 65, 110, 126	0
1	B	90/104 (86%)	0.65	8 (8%) 15 12	22, 71, 104, 133	0
1	C	92/104 (88%)	0.44	10 (10%) 10 8	22, 53, 102, 118	0
1	D	89/104 (85%)	0.96	20 (22%) 2 2	25, 64, 120, 144	0
All	All	360/416 (86%)	0.73	56 (15%) 5 4	22, 64, 115, 144	0

All (56) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	247	ASP	6.3
1	D	252	HIS	6.1
1	D	248	LEU	5.1
1	D	270	GLU	5.0
1	D	273	ARG	4.6
1	C	318	GLU	4.5
1	C	245	MET	4.5
1	D	276	GLU	4.4
1	D	269	GLN	4.3
1	A	249	GLU	4.3
1	C	249	GLU	4.3
1	A	252	HIS	4.2
1	C	244	LEU	4.2
1	D	249	GLU	4.1
1	D	275	VAL	3.8
1	A	248	LEU	3.8
1	D	272	HIS	3.8
1	C	260	ASP	3.7
1	B	269	GLN	3.6
1	A	253	ARG	3.5
1	D	271	GLU	3.3

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Mol	Chain	Res	Type	RSRZ
1	A	277	VAL	3.0
1	C	252	HIS	3.0
1	D	274	THR	3.0
1	B	248	LEU	2.9
1	B	283	GLU	2.9
1	A	270	GLU	2.9
1	A	276	GLU	2.8
1	D	264	ARG	2.8
1	A	263	GLU	2.8
1	D	277	VAL	2.8
1	A	272	HIS	2.8
1	D	255	GLU	2.7
1	B	270	GLU	2.7
1	D	336	GLU	2.6
1	C	248	LEU	2.6
1	A	273	ARG	2.6
1	B	281	HIS	2.5
1	D	260	ASP	2.5
1	A	336	GLU	2.4
1	C	253	ARG	2.4
1	B	276	GLU	2.3
1	A	269	GLN	2.3
1	A	268	ALA	2.3
1	A	259	HIS	2.3
1	A	310	GLU	2.3
1	B	260	ASP	2.3
1	D	253	ARG	2.2
1	C	247	ASP	2.2
1	C	250	GLY	2.2
1	D	279	LYS	2.2
1	A	278	GLU	2.1
1	A	309	ASN	2.1
1	A	279	LYS	2.0
1	D	268	ALA	2.0
1	D	259	HIS	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 [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	CD	D	401	1/1	0.96	0.06	107,107,107,107	0
2	CD	B	401	1/1	0.99	0.03	66,66,66,66	0
2	CD	C	401	1/1	1.00	0.02	31,31,31,31	0

6.5 Other polymers [i](#)

There are no such residues in this entry.