



Full wwPDB NMR Structure Validation Report ⓘ

Mar 8, 2026 – 04:09 PM UTC

PDB ID : 8GDG / pdb_00008gdg
BMRB ID : 27540
Title : Solution structure of the Neutrophil Serine Protease Inhibitor, EapH2
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Deposited on : 2023-03-05

This is a Full wwPDB NMR 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/NMRValidationReportHelp>

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
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

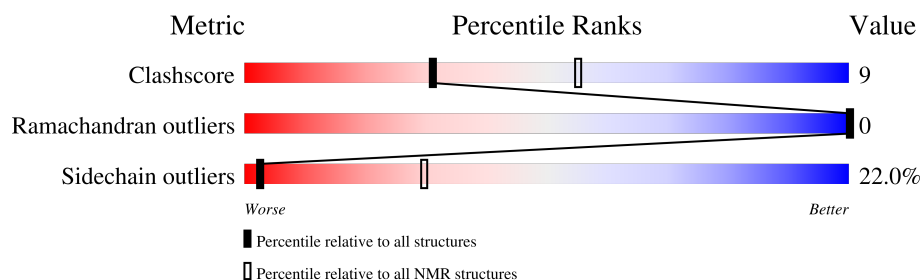
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 87%.

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)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and 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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	117	54% 21% • 23%

2 Ensemble composition and analysis

This entry contains 20 models. Model 17 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *target function*.

The following residues are included in the computation of the global validation metrics.

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:17-A:66, A:70-A:93, A:100-A:115 (90)	0.52	17

Ill-defined regions of proteins are excluded from the global statistics.

Ligands and non-protein polymers are included in the analysis.

The models can be grouped into 3 clusters. No single-model clusters were found.

Cluster number	Models
1	2, 4, 6, 7, 8, 10, 11, 12, 16, 17, 18, 19, 20
2	1, 3, 9, 14, 15
3	5, 13

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1865 atoms, of which 944 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Cell surface like-protein Map-w.

Mol	Chain	Residues	Atoms						Trace
1	A	117	Total	C	H	N	O	S	0
			1865	582	944	154	183	2	

There are 3 discrepancies between the modelled and reference sequences:

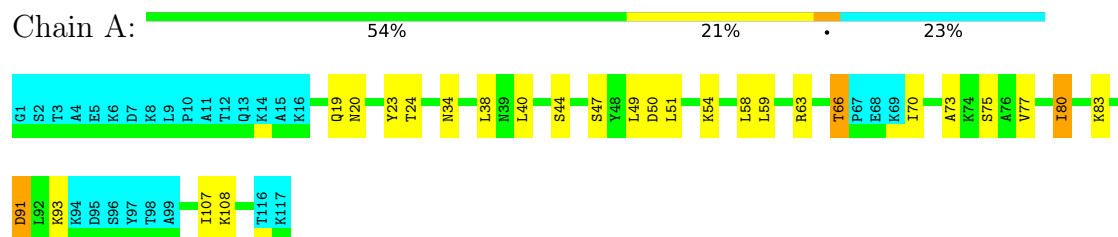
Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP A0A380EFL1
A	2	SER	-	expression tag	UNP A0A380EFL1
A	3	THR	-	expression tag	UNP A0A380EFL1

4 Residue-property plots [i](#)

4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-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. Stretches of 2 or more consecutive residues without any outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

- Molecule 1: Cell surface like-protein Map-w

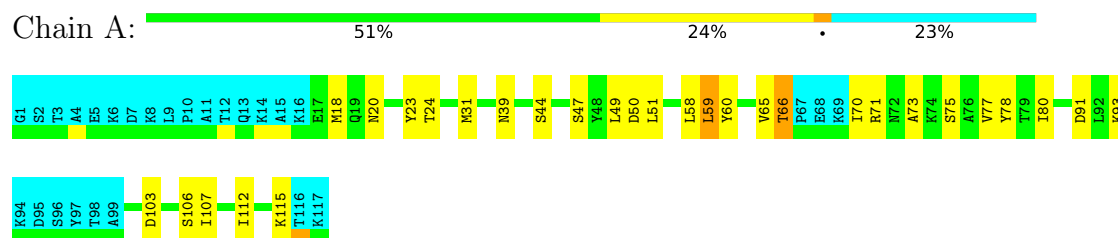


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

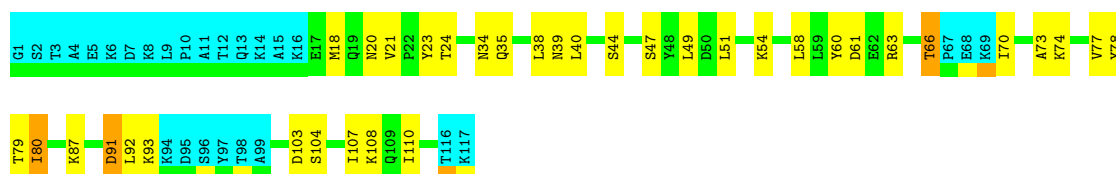
- Molecule 1: Cell surface like-protein Map-w



4.2.2 Score per residue for model 2

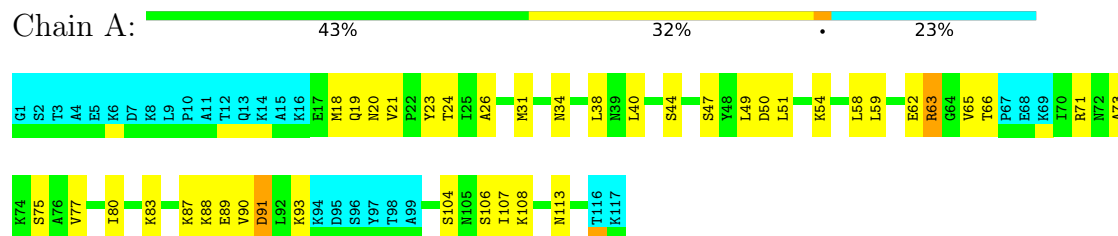
- Molecule 1: Cell surface like-protein Map-w





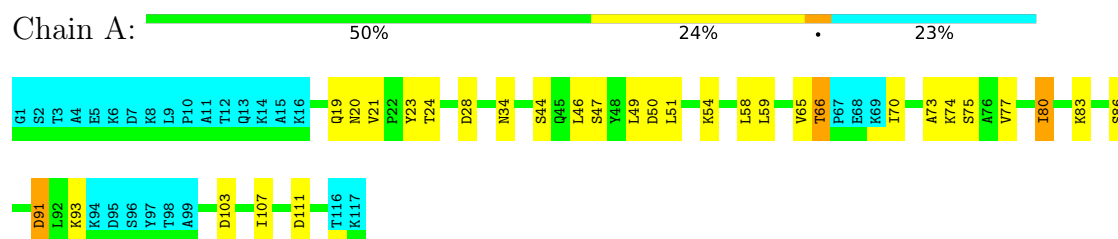
4.2.3 Score per residue for model 3

- Molecule 1: Cell surface like-protein Map-w



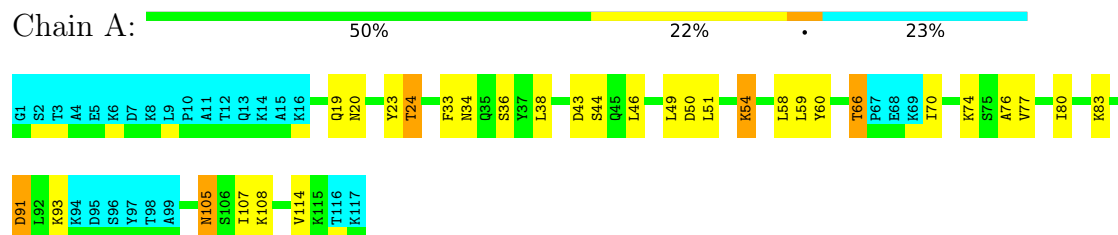
4.2.4 Score per residue for model 4

- Molecule 1: Cell surface like-protein Map-w



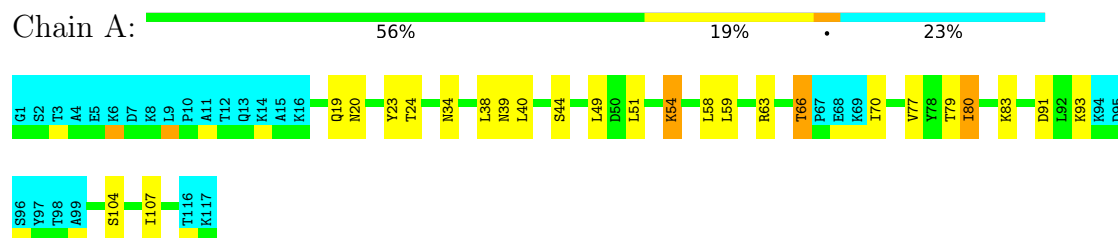
4.2.5 Score per residue for model 5

- Molecule 1: Cell surface like-protein Map-w



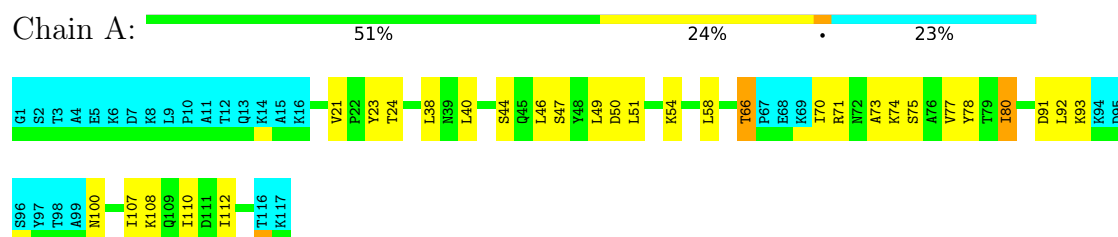
4.2.6 Score per residue for model 6

- Molecule 1: Cell surface like-protein Map-w



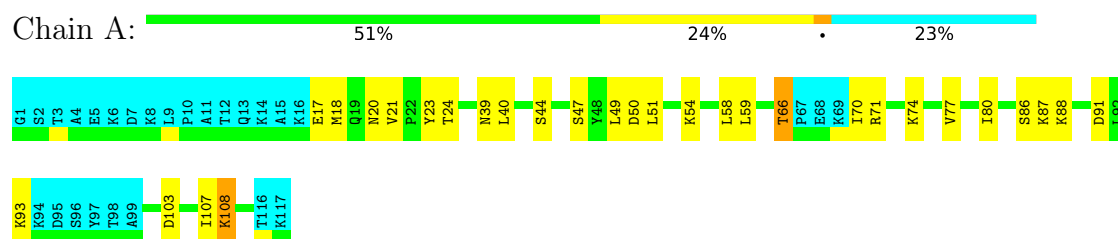
4.2.7 Score per residue for model 7

- Molecule 1: Cell surface like-protein Map-w



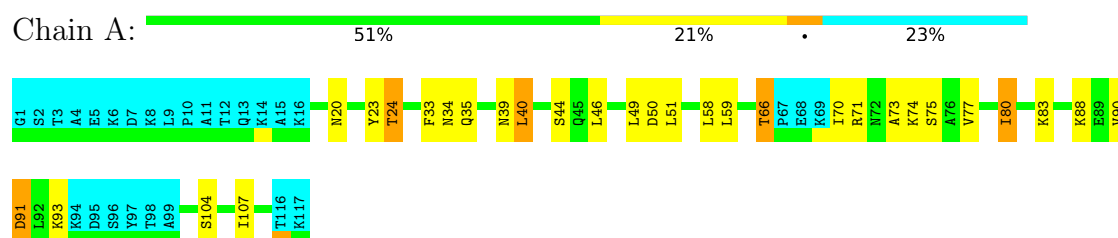
4.2.8 Score per residue for model 8

- Molecule 1: Cell surface like-protein Map-w



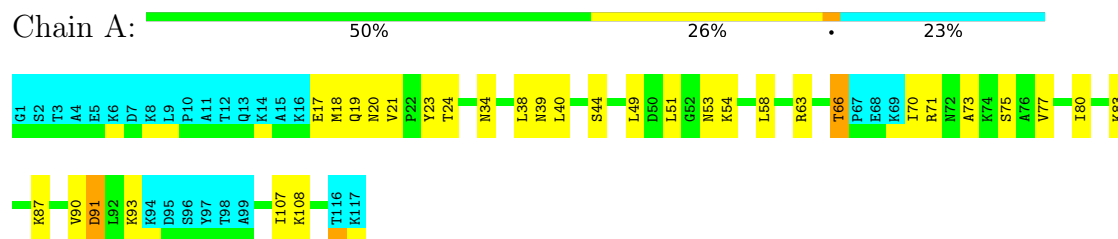
4.2.9 Score per residue for model 9

- Molecule 1: Cell surface like-protein Map-w



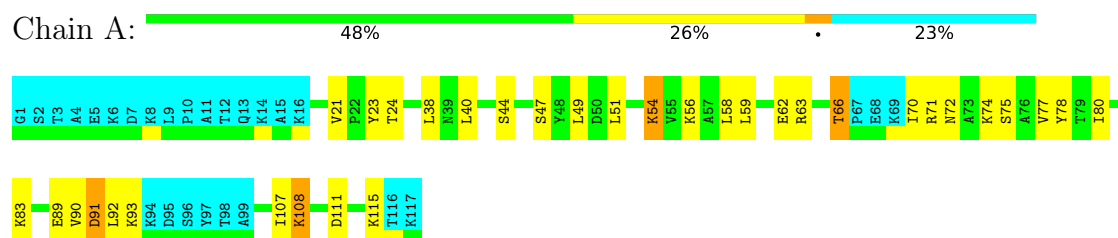
4.2.10 Score per residue for model 10

- Molecule 1: Cell surface like-protein Map-w



4.2.11 Score per residue for model 11

- Molecule 1: Cell surface like-protein Map-w



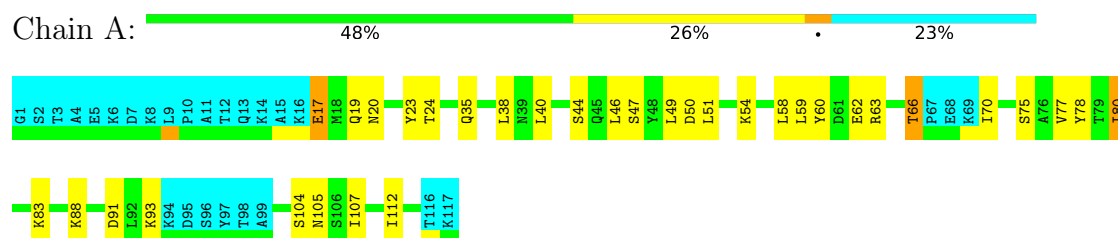
4.2.12 Score per residue for model 12

- Molecule 1: Cell surface like-protein Map-w



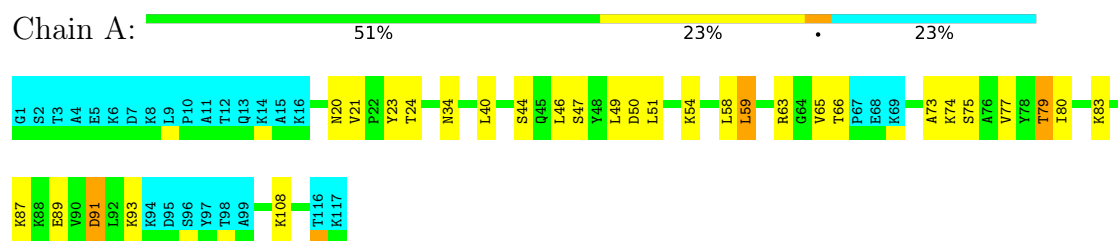
4.2.13 Score per residue for model 13

- Molecule 1: Cell surface like-protein Map-w



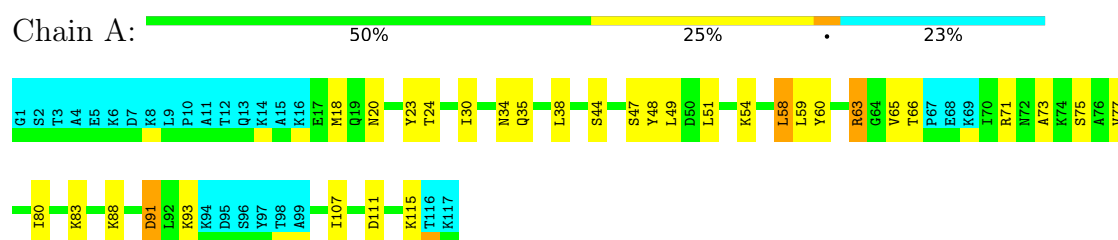
4.2.14 Score per residue for model 14

- Molecule 1: Cell surface like-protein Map-w



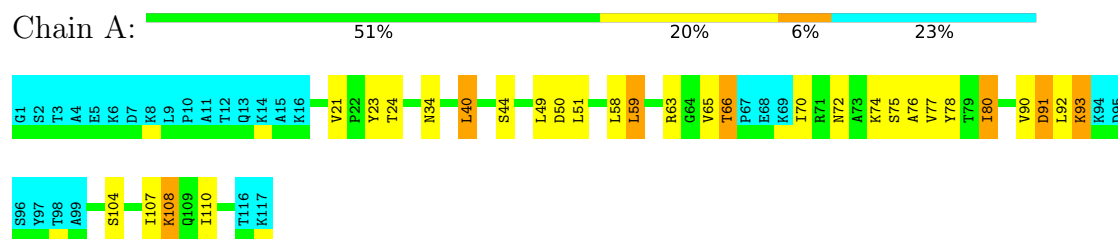
4.2.15 Score per residue for model 15

- Molecule 1: Cell surface like-protein Map-w



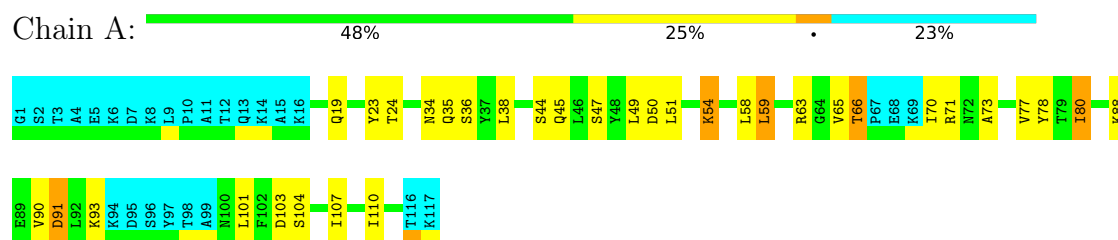
4.2.16 Score per residue for model 16

- Molecule 1: Cell surface like-protein Map-w



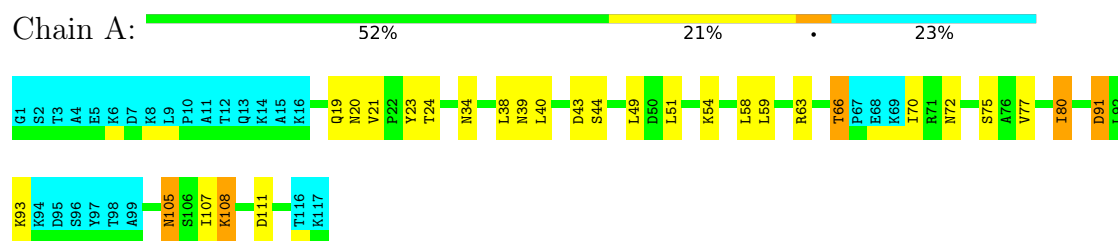
4.2.17 Score per residue for model 17 (medoid)

- Molecule 1: Cell surface like-protein Map-w



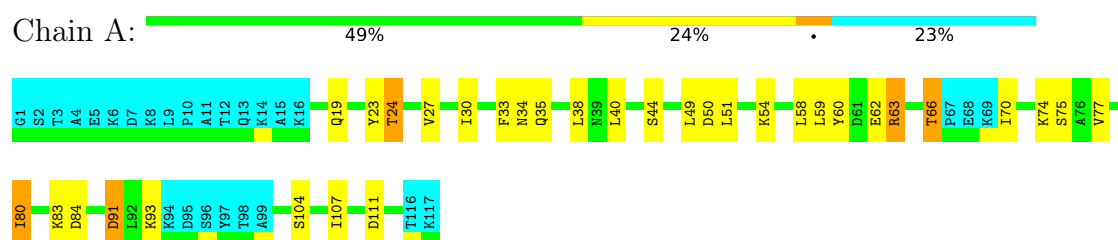
4.2.18 Score per residue for model 18

- Molecule 1: Cell surface like-protein Map-w



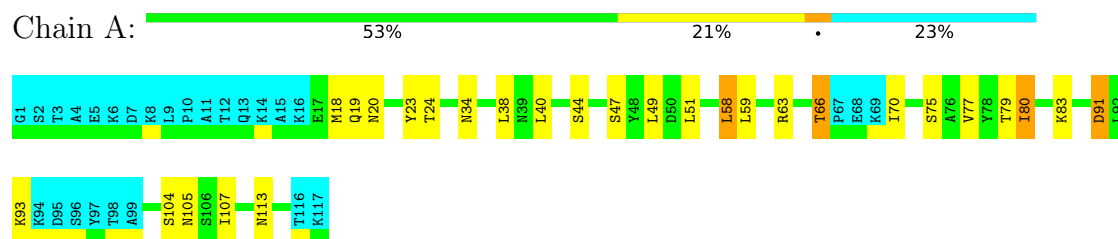
4.2.19 Score per residue for model 19

- Molecule 1: Cell surface like-protein Map-w



4.2.20 Score per residue for model 20

- Molecule 1: Cell surface like-protein Map-w



5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing*.

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *target function*.

The following table shows the software used for structure solution, optimisation and refinement.

Software name	Classification	Version
CYANA	refinement	2.1
CYANA	structure calculation	2.1

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1336
Number of shifts mapped to atoms	1336
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	87%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 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 each 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 averaged over the ensemble.

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	717	730	730	13±2
All	All	14340	14600	14600	254

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 9.

All unique clashes are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:80:ILE:HD12	1:A:110:ILE:HG22	0.77	1.57	7	3
1:A:80:ILE:HD11	1:A:107:ILE:HD12	0.77	1.54	1	15
1:A:38:LEU:HD21	1:A:51:LEU:HD21	0.70	1.63	20	5
1:A:59:LEU:HD12	1:A:65:VAL:HG11	0.70	1.63	16	1
1:A:59:LEU:HD12	1:A:65:VAL:HG21	0.67	1.66	14	3
1:A:77:VAL:HG12	1:A:91:ASP:HA	0.65	1.68	18	20
1:A:24:THR:HG22	1:A:33:PHE:CD1	0.65	2.27	9	1
1:A:38:LEU:HD11	1:A:54:LYS:HB2	0.64	1.68	5	9
1:A:23:TYR:OH	1:A:58:LEU:HD22	0.63	1.94	6	19
1:A:80:ILE:HD11	1:A:107:ILE:CD1	0.63	2.24	15	12
1:A:40:LEU:HD23	1:A:104:SER:CB	0.62	2.24	3	6
1:A:23:TYR:CZ	1:A:58:LEU:HD13	0.62	2.30	12	7
1:A:23:TYR:OH	1:A:58:LEU:HD12	0.61	1.94	5	1
1:A:27:VAL:O	1:A:30:ILE:HG22	0.61	1.95	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:21:VAL:HG23	1:A:40:LEU:HD23	0.59	1.73	18	2
1:A:38:LEU:HD23	1:A:40:LEU:HD21	0.59	1.74	12	1
1:A:63:ARG:CG	1:A:65:VAL:HG13	0.59	2.27	14	3
1:A:80:ILE:HD12	1:A:110:ILE:CG2	0.59	2.27	7	3
1:A:66:THR:O	1:A:70:ILE:HG23	0.59	1.97	4	16
1:A:78:TYR:CE1	1:A:92:LEU:HD21	0.58	2.34	11	1
1:A:40:LEU:HD23	1:A:104:SER:HB2	0.58	1.74	6	1
1:A:80:ILE:HD11	1:A:107:ILE:HG23	0.57	1.75	11	1
1:A:51:LEU:HD22	1:A:54:LYS:HD3	0.56	1.76	6	1
1:A:38:LEU:HD11	1:A:54:LYS:HG3	0.56	1.76	6	1
1:A:59:LEU:HD12	1:A:65:VAL:CG2	0.54	2.32	1	2
1:A:40:LEU:HD23	1:A:104:SER:HB3	0.54	1.77	9	3
1:A:38:LEU:HD11	1:A:54:LYS:CB	0.53	2.34	3	5
1:A:26:ALA:HB3	1:A:113:ASN:HA	0.53	1.80	3	1
1:A:39:ASN:C	1:A:40:LEU:HD22	0.52	2.29	12	1
1:A:76:ALA:HB1	1:A:92:LEU:HD11	0.52	1.82	16	1
1:A:21:VAL:HG13	1:A:108:LYS:O	0.52	2.05	2	9
1:A:39:ASN:O	1:A:40:LEU:HD12	0.51	2.05	9	2
1:A:43:ASP:H	1:A:105:ASN:ND2	0.51	2.04	18	2
1:A:23:TYR:CE2	1:A:58:LEU:HD13	0.50	2.41	9	4
1:A:78:TYR:HB3	1:A:92:LEU:HD23	0.50	1.82	16	1
1:A:80:ILE:CG1	1:A:107:ILE:HD12	0.49	2.37	12	6
1:A:63:ARG:HG2	1:A:65:VAL:HG13	0.49	1.85	15	2
1:A:76:ALA:HB3	1:A:93:LYS:HB3	0.49	1.84	16	1
1:A:40:LEU:HD13	1:A:104:SER:CB	0.49	2.37	20	1
1:A:46:LEU:HD11	1:A:50:ASP:HB3	0.49	1.84	9	5
1:A:80:ILE:CD1	1:A:107:ILE:HD12	0.49	2.35	9	8
1:A:38:LEU:HD21	1:A:40:LEU:HD11	0.49	1.84	10	1
1:A:59:LEU:CD1	1:A:65:VAL:HG11	0.49	2.37	16	1
1:A:78:TYR:CZ	1:A:110:ILE:HD13	0.49	2.43	17	2
1:A:24:THR:HG22	1:A:33:PHE:HB3	0.48	1.85	5	1
1:A:78:TYR:CD1	1:A:92:LEU:HD21	0.48	2.44	11	1
1:A:38:LEU:CD2	1:A:40:LEU:HD11	0.48	2.39	10	1
1:A:38:LEU:HD11	1:A:54:LYS:CG	0.47	2.39	6	1
1:A:76:ALA:HA	1:A:114:VAL:HG12	0.47	1.87	5	1
1:A:46:LEU:HD11	1:A:50:ASP:CG	0.47	2.35	4	1
1:A:80:ILE:HD11	1:A:107:ILE:CG2	0.47	2.39	11	1
1:A:63:ARG:HG3	1:A:65:VAL:HG13	0.46	1.88	3	2
1:A:78:TYR:CE2	1:A:112:ILE:HG23	0.46	2.45	13	2
1:A:51:LEU:O	1:A:51:LEU:HD13	0.46	2.09	3	1
1:A:80:ILE:HD11	1:A:107:ILE:HG13	0.46	1.87	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:51:LEU:C	1:A:51:LEU:HD13	0.45	2.36	6	19
1:A:79:THR:HG23	1:A:89:GLU:HG2	0.45	1.88	14	1
1:A:59:LEU:HD22	1:A:65:VAL:HG21	0.45	1.89	4	2
1:A:51:LEU:HD13	1:A:51:LEU:C	0.45	2.36	3	1
1:A:21:VAL:CG2	1:A:40:LEU:HD12	0.44	2.42	7	1
1:A:27:VAL:HG21	1:A:63:ARG:NH1	0.44	2.28	19	1
1:A:18:MET:HE3	1:A:39:ASN:HB3	0.44	1.88	8	1
1:A:78:TYR:CE1	1:A:92:LEU:HD12	0.44	2.47	2	1
1:A:56:LYS:HE2	1:A:59:LEU:HD12	0.44	1.88	11	1
1:A:38:LEU:CD2	1:A:40:LEU:HD21	0.44	2.42	12	1
1:A:24:THR:HG23	1:A:33:PHE:CD2	0.44	2.48	19	1
1:A:51:LEU:HD13	1:A:51:LEU:O	0.43	2.13	20	2
1:A:21:VAL:CG2	1:A:40:LEU:HD23	0.43	2.41	18	1
1:A:60:TYR:CD1	1:A:60:TYR:C	0.43	2.96	2	7
1:A:40:LEU:HD13	1:A:104:SER:HB2	0.42	1.91	19	1
1:A:27:VAL:HG11	1:A:63:ARG:HH22	0.42	1.75	12	1
1:A:78:TYR:CE1	1:A:112:ILE:HG23	0.42	2.50	1	1
1:A:34:ASN:O	1:A:35:GLN:C	0.41	2.64	17	4
1:A:80:ILE:O	1:A:80:ILE:HG23	0.41	2.15	12	1
1:A:39:ASN:O	1:A:40:LEU:HD13	0.41	2.16	18	2

6.3 Torsion angles ⓘ

6.3.1 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 PDB entries followed by that with respect to all NMR entries. 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	90/117 (77%)	88±1 (98±2%)	2±1 (2±2%)	0±0 (0±0%)	100	100
All	All	1800/2340 (77%)	1756 (98%)	44 (2%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 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 PDB entries followed by that with respect to all NMR

entries. 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	81/103 (79%)	63±3 (78±3%)	18±3 (22±3%)	2	30
All	All	1620/2060 (79%)	1264 (78%)	356 (22%)	2	30

All 51 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	24	THR	20
1	A	44	SER	20
1	A	49	LEU	20
1	A	66	THR	20
1	A	93	LYS	20
1	A	20	ASN	15
1	A	75	SER	15
1	A	91	ASP	14
1	A	59	LEU	13
1	A	80	ILE	13
1	A	83	LYS	13
1	A	47	SER	12
1	A	63	ARG	12
1	A	19	GLN	11
1	A	74	LYS	10
1	A	34	ASN	10
1	A	71	ARG	9
1	A	54	LYS	8
1	A	18	MET	7
1	A	88	LYS	7
1	A	50	ASP	6
1	A	103	ASP	6
1	A	90	VAL	6
1	A	108	LYS	6
1	A	87	LYS	5
1	A	111	ASP	5
1	A	40	LEU	5
1	A	79	THR	4
1	A	62	GLU	4
1	A	105	ASN	4
1	A	115	LYS	3
1	A	86	SER	3
1	A	17	GLU	3

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Mol	Chain	Res	Type	Models (Total)
1	A	72	ASN	3
1	A	31	MET	2
1	A	39	ASN	2
1	A	106	SER	2
1	A	89	GLU	2
1	A	36	SER	2
1	A	35	GLN	2
1	A	58	LEU	2
1	A	61	ASP	1
1	A	21	VAL	1
1	A	28	ASP	1
1	A	92	LEU	1
1	A	100	ASN	1
1	A	30	ILE	1
1	A	45	GLN	1
1	A	104	SER	1
1	A	84	ASP	1
1	A	113	ASN	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 87% for the well-defined parts and 82% for the entire structure.

7.1 Chemical shift list 1

File name: `working_cs.cif`

Chemical shift list name: *starch_output*

7.1.1 Bookkeeping [i](#)

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	1336
Number of shifts mapped to atoms	1336
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	22

7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	116	-0.27 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	102	-0.00 ± 0.18	None needed (< 0.5 ppm)
$^{13}\text{C}'$	93	0.14 ± 0.19	None needed (< 0.5 ppm)
^{15}N	111	-0.29 ± 0.27	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 87%, i.e. 1088 atoms were assigned a chemical shift out of a possible 1247. 0 out of 16 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	445/450 (99%)	182/182 (100%)	175/180 (97%)	88/88 (100%)
Sidechain	617/720 (86%)	438/466 (94%)	179/226 (79%)	0/28 (0%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	26/77 (34%)	26/36 (72%)	0/40 (0%)	0/1 (0%)
Overall	1088/1247 (87%)	646/684 (94%)	354/446 (79%)	88/117 (75%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 82%, i.e. 1308 atoms were assigned a chemical shift out of a possible 1591. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	549/582 (94%)	229/235 (97%)	209/234 (89%)	111/113 (98%)
Sidechain	729/923 (79%)	523/595 (88%)	206/292 (71%)	0/36 (0%)
Aromatic	30/86 (35%)	30/40 (75%)	0/45 (0%)	0/1 (0%)
Overall	1308/1591 (82%)	782/870 (90%)	415/571 (73%)	111/150 (74%)

7.1.4 Statistically unusual chemical shifts ⓘ

The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	79	THR	HG1	6.62	0.08 – 2.19	26.0
1	A	41	PRO	CD	31.85	45.11 – 55.58	-17.7
1	A	116	THR	HG1	4.74	0.08 – 2.19	17.1
1	A	41	PRO	CB	50.25	26.06 – 37.61	15.9
1	A	24	THR	HG1	4.16	0.08 – 2.19	14.3
1	A	1	GLY	CA	61.84	38.93 – 51.79	12.8
1	A	14	LYS	HE2	4.74	1.95 – 3.88	9.5
1	A	112	ILE	CD1	28.92	5.18 – 21.60	9.5
1	A	14	LYS	HE3	4.74	1.92 – 3.89	9.3
1	A	25	ILE	CD1	28.42	5.18 – 21.60	9.2
1	A	110	ILE	CD1	27.75	5.18 – 21.60	8.8
1	A	80	ILE	CG2	28.12	10.93 – 24.12	8.0
1	A	66	THR	HB	1.72	2.57 – 5.77	-7.6
1	A	63	ARG	HE	3.35	4.52 – 10.19	-7.1
1	A	109	GLN	HG2	0.61	1.01 – 3.62	-6.5
1	A	102	PHE	HE2	9.06	5.54 – 8.63	6.4
1	A	110	ILE	CG1	17.63	19.24 – 36.26	-6.0
1	A	112	ILE	CG1	18.50	19.24 – 36.26	-5.4
1	A	71	ARG	HD2	1.91	1.97 – 4.26	-5.3
1	A	25	ILE	CG1	18.80	19.24 – 36.26	-5.3
1	A	82	TRP	HH2	8.80	5.24 – 8.73	5.2
1	A	80	ILE	HG12	-0.77	-0.69 – 3.24	-5.2

7.1.5 Random Coil Index (RCI) plots [i](#)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:

