



Full wwPDB X-ray Structure Validation Report ⓘ

Jun 24, 2025 – 07:05 pm BST

PDB ID : 6ENZ / pdb_00006enz
Title : Crystal structure of mouse GADL1
Authors : Raasakka, A.; Mahootchi, E.; Winge, I.; Luan, W.; Kursula, P.; Haavik, J.
Deposited on : 2017-10-07
Resolution : 3.00 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 Phenix2.0rc1
Mogul : 1.8.4, CSD as541be (2020)
Xtriage (Phenix) : 2.0rc1
EDS : 3.0
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4 : 9.0.003 (Gargrove)
Density-Fitness : 1.0.11
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.44

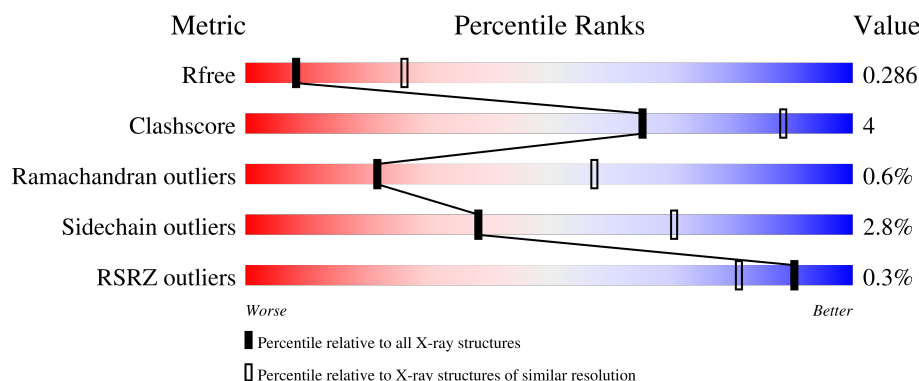
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.00 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}	164625	2511 (3.00-3.00)
Clashscore	180529	2866 (3.00-3.00)
Ramachandran outliers	177936	2778 (3.00-3.00)
Sidechain outliers	177891	2781 (3.00-3.00)
RSRZ outliers	164620	2523 (3.00-3.00)

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	530	 81% 10% • 8%
1	B	530	 82% 9% • 8%

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 15549 atoms, of which 7756 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 Acidic amino acid decarboxylase GADL1.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
1	A	487	Total	C	H	N	O	S	0	0	0
			7758	2477	3873	665	713	30			
1	B	486	Total	C	H	N	O	S	0	0	0
			7745	2473	3867	664	711	30			

There are 56 discrepancies between the modelled and reference sequences:

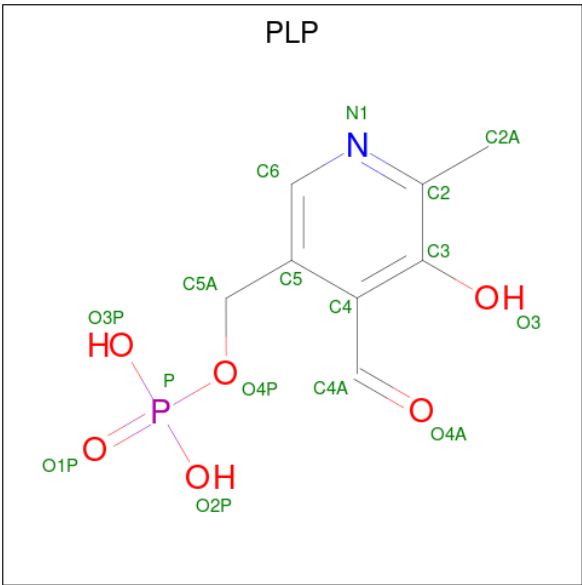
Chain	Residue	Modelled	Actual	Comment	Reference
A	-27	MET	-	initiating methionine	UNP E9QP13
A	-26	GLY	-	expression tag	UNP E9QP13
A	-25	PRO	-	expression tag	UNP E9QP13
A	-24	HIS	-	expression tag	UNP E9QP13
A	-23	HIS	-	expression tag	UNP E9QP13
A	-22	HIS	-	expression tag	UNP E9QP13
A	-21	HIS	-	expression tag	UNP E9QP13
A	-20	HIS	-	expression tag	UNP E9QP13
A	-19	HIS	-	expression tag	UNP E9QP13
A	-18	LEU	-	expression tag	UNP E9QP13
A	-17	GLU	-	expression tag	UNP E9QP13
A	-16	SER	-	expression tag	UNP E9QP13
A	-15	THR	-	expression tag	UNP E9QP13
A	-14	SER	-	expression tag	UNP E9QP13
A	-13	LEU	-	expression tag	UNP E9QP13
A	-12	TYR	-	expression tag	UNP E9QP13
A	-11	LYS	-	expression tag	UNP E9QP13
A	-10	LYS	-	expression tag	UNP E9QP13
A	-9	ALA	-	expression tag	UNP E9QP13
A	-8	GLY	-	expression tag	UNP E9QP13
A	-7	SER	-	expression tag	UNP E9QP13
A	-6	GLU	-	expression tag	UNP E9QP13
A	-5	ASN	-	expression tag	UNP E9QP13
A	-4	LEU	-	expression tag	UNP E9QP13
A	-3	TYR	-	expression tag	UNP E9QP13

Continued on next page...

Continued from previous page...

Chain	Residue	Modelled	Actual	Comment	Reference
A	-2	PHE	-	expression tag	UNP E9QP13
A	-1	GLN	-	expression tag	UNP E9QP13
A	0	GLY	-	expression tag	UNP E9QP13
B	-27	MET	-	initiating methionine	UNP E9QP13
B	-26	GLY	-	expression tag	UNP E9QP13
B	-25	PRO	-	expression tag	UNP E9QP13
B	-24	HIS	-	expression tag	UNP E9QP13
B	-23	HIS	-	expression tag	UNP E9QP13
B	-22	HIS	-	expression tag	UNP E9QP13
B	-21	HIS	-	expression tag	UNP E9QP13
B	-20	HIS	-	expression tag	UNP E9QP13
B	-19	HIS	-	expression tag	UNP E9QP13
B	-18	LEU	-	expression tag	UNP E9QP13
B	-17	GLU	-	expression tag	UNP E9QP13
B	-16	SER	-	expression tag	UNP E9QP13
B	-15	THR	-	expression tag	UNP E9QP13
B	-14	SER	-	expression tag	UNP E9QP13
B	-13	LEU	-	expression tag	UNP E9QP13
B	-12	TYR	-	expression tag	UNP E9QP13
B	-11	LYS	-	expression tag	UNP E9QP13
B	-10	LYS	-	expression tag	UNP E9QP13
B	-9	ALA	-	expression tag	UNP E9QP13
B	-8	GLY	-	expression tag	UNP E9QP13
B	-7	SER	-	expression tag	UNP E9QP13
B	-6	GLU	-	expression tag	UNP E9QP13
B	-5	ASN	-	expression tag	UNP E9QP13
B	-4	LEU	-	expression tag	UNP E9QP13
B	-3	TYR	-	expression tag	UNP E9QP13
B	-2	PHE	-	expression tag	UNP E9QP13
B	-1	GLN	-	expression tag	UNP E9QP13
B	0	GLY	-	expression tag	UNP E9QP13

- Molecule 2 is PYRIDOXAL-5'-PHOSPHATE (CCD ID: PLP) (formula: $C_8H_{10}NO_6P$).

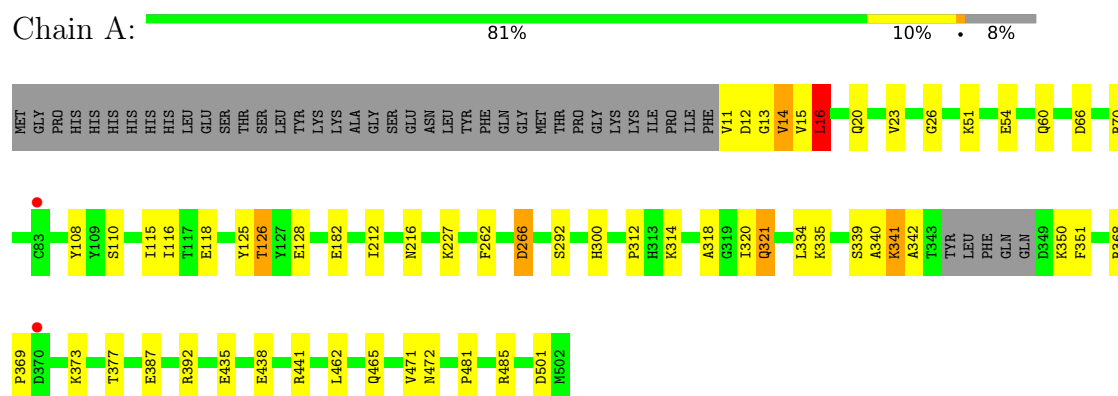


Mol	Chain	Residues	Atoms						ZeroOcc	AltConf
2	A	1	Total 23	C 8	H 8	N 1	O 5	P 1	0	0
2	B	1	Total 23	C 8	H 8	N 1	O 5	P 1	0	0

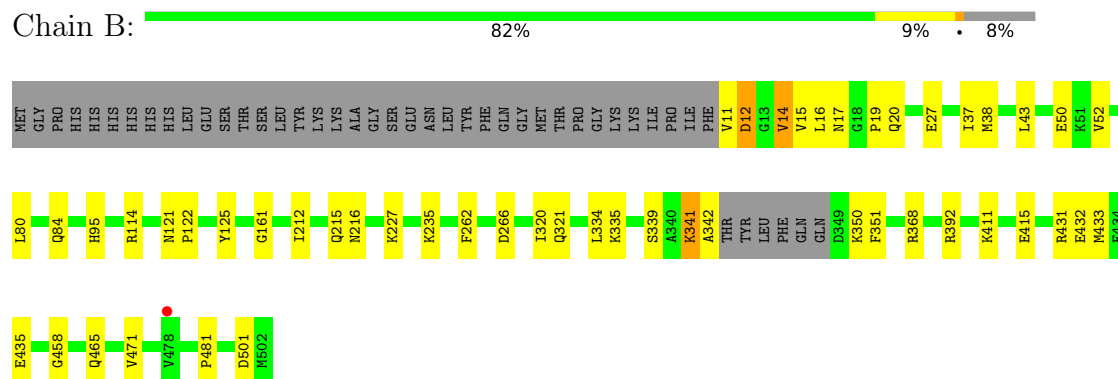
3 Residue-property plots

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: Acidic amino acid decarboxylase GADL1



- Molecule 1: Acidic amino acid decarboxylase GADL1



4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	137.43Å 80.64Å 128.51Å 90.00° 117.85° 90.00°	Depositor
Resolution (Å)	42.18 – 3.00 42.18 – 3.00	Depositor EDS
% Data completeness (in resolution range)	99.5 (42.18-3.00) 99.6 (42.18-3.00)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.04 (at 3.01Å)	Xtriage
Refinement program	PHENIX (1.12_2829: ???)	Depositor
R, R_{free}	0.235 , 0.288 0.237 , 0.286	Depositor DCC
R_{free} test set	23866 reflections (4.97%)	wwPDB-VP
Wilson B-factor (Å ²)	85.4	Xtriage
Anisotropy	0.407	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.38 , 43.9	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	0.93	EDS
Total number of atoms	15549	wwPDB-VP
Average B, all atoms (Å ²)	91.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 16.22% 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: PLP

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	0.14	0/3971	0.38	0/5356
1	B	0.15	0/3964	0.37	0/5346
All	All	0.14	0/7935	0.37	0/10702

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	3885	3873	3876	38	0
1	B	3878	3867	3869	26	0
2	A	15	8	7	0	0
2	B	15	8	7	2	0
All	All	7793	7756	7759	57	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 4.

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:A:335:LYS:O	1:A:339:SER:OG	2.04	0.76
1:B:12:ASP:OD2	1:B:12:ASP:N	2.20	0.74
1:B:161:GLY:N	2:B:601:PLP:O3P	2.22	0.72
1:B:392:ARG:NH1	1:B:481:PRO:O	2.27	0.68
1:A:340:ALA:O	1:A:342:ALA:N	2.29	0.65
1:A:266:ASP:OD1	1:A:300:HIS:ND1	2.30	0.64
1:A:110:SER:OG	1:A:377:THR:OG1	2.15	0.63
1:B:335:LYS:O	1:B:339:SER:OG	2.14	0.63
1:A:51:LYS:NZ	1:A:54:GLU:OE2	2.33	0.61
1:A:227:LYS:NZ	1:A:262:PHE:O	2.34	0.59
1:A:118:GLU:HG3	1:B:114:ARG:HB3	1.85	0.58
1:B:227:LYS:NZ	1:B:262:PHE:O	2.34	0.56
1:B:350:LYS:HB3	1:B:351:PHE:HB3	1.87	0.55
1:B:50:GLU:O	1:B:95:HIS:NE2	2.37	0.54
1:B:501:ASP:OD1	1:B:501:ASP:N	2.42	0.53
1:A:368:ARG:HG3	1:A:369:PRO:HD2	1.92	0.52
1:A:13:GLY:O	1:A:14:VAL:O	2.30	0.50
1:B:14:VAL:HG22	1:B:15:VAL:HA	1.95	0.49
1:A:66:ASP:OD1	1:A:70:ARG:NH2	2.46	0.48
1:B:212:ILE:O	1:B:216:ASN:ND2	2.39	0.48
1:B:52:VAL:N	1:B:458:GLY:O	2.44	0.48
1:A:23:VAL:O	1:A:26:GLY:N	2.47	0.48
1:B:431:ARG:O	1:B:432:GLU:HG2	2.14	0.47
1:A:320:ILE:HG23	1:A:321:GLN:HG3	1.96	0.47
1:A:116:ILE:HA	1:B:37:ILE:HD11	1.96	0.47
1:A:212:ILE:O	1:A:216:ASN:ND2	2.45	0.46
1:A:340:ALA:O	1:A:341:LYS:C	2.58	0.46
1:B:121:ASN:N	1:B:122:PRO:HD3	2.31	0.46
1:B:431:ARG:C	1:B:433:MET:H	2.24	0.45
1:A:392:ARG:NH2	1:A:481:PRO:O	2.49	0.45
1:B:341:LYS:HD3	1:B:342:ALA:N	2.33	0.43
1:A:11:VAL:HG12	1:A:12:ASP:N	2.33	0.43
1:B:14:VAL:HA	1:B:16:LEU:H	1.84	0.43
1:A:118:GLU:CG	1:B:114:ARG:HB3	2.48	0.43
1:B:38:MET:O	1:B:43:LEU:HG	2.18	0.42
1:A:312:PRO:C	1:A:314:LYS:H	2.26	0.42
1:A:318:ALA:O	1:A:373:LYS:HD2	2.18	0.42
1:A:350:LYS:HB3	1:A:351:PHE:HA	2.00	0.42
1:A:14:VAL:HG23	1:A:15:VAL:HA	2.00	0.42
1:A:182:GLU:HB3	1:B:215:GLN:HG3	2.01	0.42
1:A:368:ARG:NH2	1:B:320:ILE:O	2.50	0.42
1:A:108:TYR:CE1	1:B:27:GLU:HG2	2.55	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:115:ILE:HG22	1:B:37:ILE:HG13	2.00	0.42
2:B:601:PLP:C4A	2:B:601:PLP:O4P	2.68	0.42
1:A:14:VAL:HA	1:A:16:LEU:H	1.84	0.41
1:A:292:SER:HA	1:A:387:GLU:HG3	2.02	0.41
1:A:15:VAL:O	1:A:16:LEU:HB2	2.21	0.41
1:A:15:VAL:C	1:A:16:LEU:HD23	2.45	0.41
1:B:80:LEU:O	1:B:84:GLN:HG3	2.20	0.41
1:A:126:THR:HG23	1:A:128:GLU:HG2	2.01	0.41
1:A:501:ASP:OD1	1:A:501:ASP:N	2.45	0.41
1:A:320:ILE:HA	1:A:321:GLN:HA	1.86	0.41
1:A:485:ARG:HD2	1:B:17:ASN:HB3	2.02	0.40
1:A:15:VAL:O	1:A:15:VAL:HG13	2.20	0.40
1:A:438:GLU:HA	1:A:441:ARG:HD3	2.04	0.40
1:A:125:TYR:HB2	1:A:126:THR:HG22	2.04	0.40
1:A:471:VAL:O	1:A:472:ASN:C	2.64	0.40

There are no symmetry-related clashes.

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	483/530 (91%)	443 (92%)	36 (8%)	4 (1%)	16	51
1	B	482/530 (91%)	442 (92%)	38 (8%)	2 (0%)	30	66
All	All	965/1060 (91%)	885 (92%)	74 (8%)	6 (1%)	22	57

All (6) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	14	VAL
1	A	341	LYS
1	B	19	PRO

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	B	20	GLN
1	A	20	GLN
1	A	16	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	422/460 (92%)	413 (98%)	9 (2%)	48	77
1	B	421/460 (92%)	406 (96%)	15 (4%)	30	64
All	All	843/920 (92%)	819 (97%)	24 (3%)	38	70

All (24) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	16	LEU
1	A	60	GLN
1	A	126	THR
1	A	266	ASP
1	A	321	GLN
1	A	334	LEU
1	A	435	GLU
1	A	462	LEU
1	A	465	GLN
1	B	11	VAL
1	B	12	ASP
1	B	14	VAL
1	B	125	TYR
1	B	235	LYS
1	B	266	ASP
1	B	321	GLN
1	B	334	LEU
1	B	341	LYS
1	B	368	ARG
1	B	411	LYS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	B	415	GLU
1	B	435	GLU
1	B	465	GLN
1	B	471	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (4) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	236	GLN
1	B	56	GLN
1	B	158	ASN
1	B	364	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](#)

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	PLP	B	601	1	15,15,16	2.26	5 (33%)	20,22,23	1.44	3 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	PLP	A	601	1	15,15,16	2.36	5 (33%)	20,22,23	1.76	5 (25%)

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	PLP	B	601	1	-	2/6/6/8	0/1/1/1
2	PLP	A	601	1	-	0/6/6/8	0/1/1/1

All (10) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	601	PLP	C4A-C4	4.80	1.61	1.51
2	A	601	PLP	C4A-C4	4.51	1.61	1.51
2	A	601	PLP	C5-C4	-4.28	1.35	1.40
2	A	601	PLP	C2A-C2	3.67	1.56	1.50
2	B	601	PLP	C2A-C2	3.57	1.56	1.50
2	A	601	PLP	C6-N1	3.26	1.41	1.34
2	B	601	PLP	C6-N1	3.00	1.40	1.34
2	B	601	PLP	C5-C4	-2.88	1.37	1.40
2	B	601	PLP	C5A-C5	2.32	1.57	1.50
2	A	601	PLP	C5A-C5	2.17	1.56	1.50

All (8) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	A	601	PLP	C5A-C5-C6	3.16	124.58	119.37
2	A	601	PLP	C4A-C4-C5	-3.13	117.71	120.94
2	B	601	PLP	C4A-C4-C5	3.06	124.09	120.94
2	A	601	PLP	O4P-C5A-C5	2.93	114.93	109.35
2	B	601	PLP	C4A-C4-C3	-2.83	115.71	120.50
2	A	601	PLP	C5-C6-N1	-2.79	119.18	123.82
2	A	601	PLP	C3-C4-C5	2.55	121.50	118.74
2	B	601	PLP	O4P-C5A-C5	2.40	113.92	109.35

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	B	601	PLP	C4-C5-C5A-O4P
2	B	601	PLP	C6-C5-C5A-O4P

There are no ring outliers.

1 monomer is involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	B	601	PLP	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 [i](#)

6.1 Protein, DNA and RNA chains [i](#)

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	487/530 (91%)	-0.31	2 (0%) 89 77	61, 91, 112, 134	0
1	B	486/530 (91%)	-0.32	1 (0%) 92 84	61, 91, 114, 132	0
All	All	973/1060 (91%)	-0.31	3 (0%) 90 81	61, 91, 114, 134	0

All (3) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	83	CYS	2.4
1	B	478	VAL	2.2
1	A	370	ASP	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(Å ²)	Q<0.9
2	PLP	A	601	15/16	0.88	0.10	69,83,91,102	0
2	PLP	B	601	15/16	0.90	0.09	64,83,100,100	0

6.5 Other polymers ⓘ

There are no such residues in this entry.