



Full wwPDB X-ray Structure Validation Report i

Aug 3, 2023 – 03:09 AM EDT

PDB ID : 1FU7
Title : STRUCTURES OF GLYCOGEN PHOSPHORYLASE-INHIBITOR COMPLEXES AND THE IMPLICATIONS FOR STRUCTURE-BASED DRUG DESIGN
Authors : Watson, K.A.; Tsitsanou, K.E.; Gregoriou, M.; Zographos, S.E.; Skamnaki, V.T.; Oikonomakos, N.G.; Fleet, G.W.; Johnson, L.N.
Deposited on : 2000-09-14
Resolution : 2.36 Å(reported)

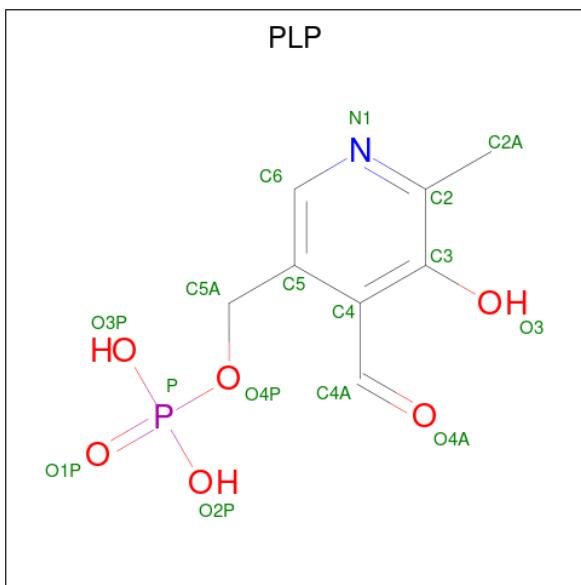
This is a Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.

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 i 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](#) i) were used in the production of this report:

MolProbitiy : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtriaage (Phenix) : NOT EXECUTED
EDS : NOT EXECUTED
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.34



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
3	A	1	Total	C	N	O	P	0	0
			15	8	1	5	1		

- Molecule 4 is water.

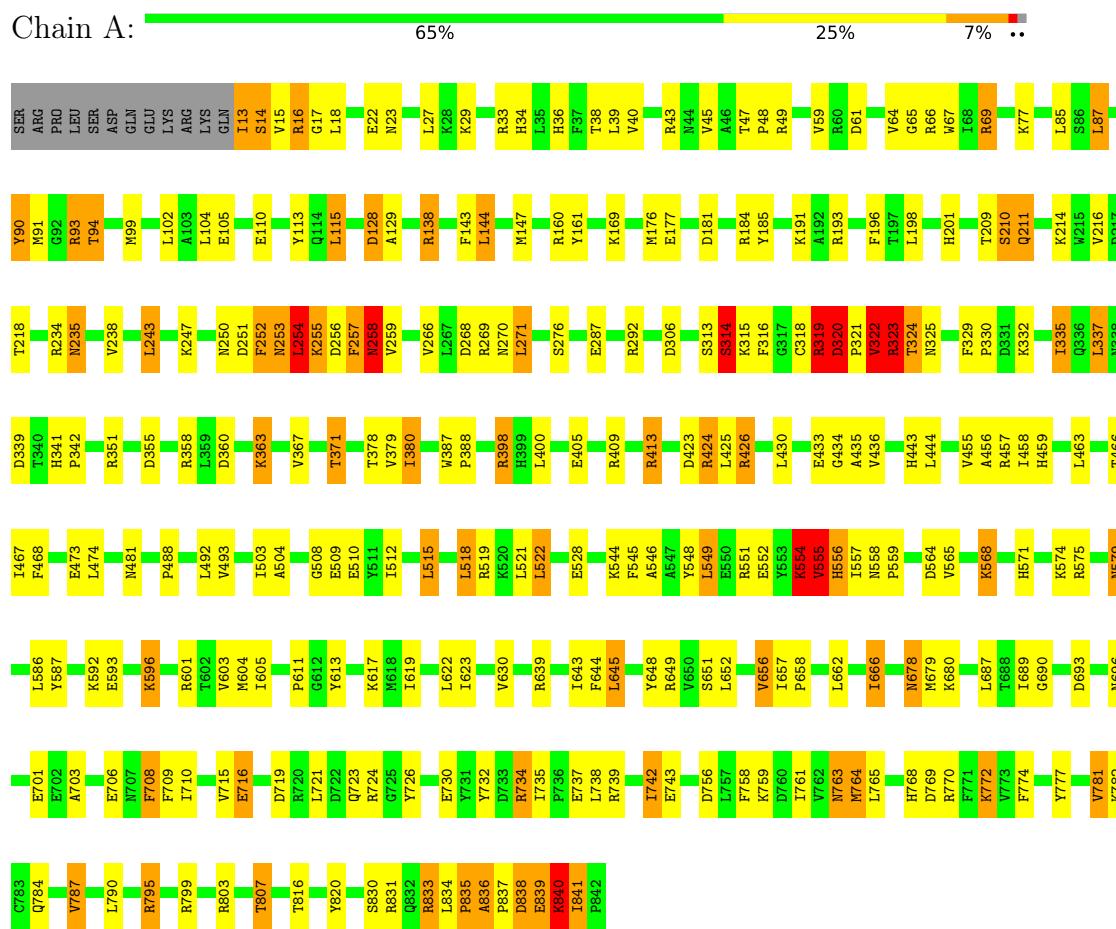
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	218	Total O 218 218		0	0

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. 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. 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.

Note EDS was not executed.

- Molecule 1: GLYCOGEN PHOSPHORYLASE



4 Data and refinement statistics [\(i\)](#)

Xtriage (Phenix) and EDS were not executed - this section is therefore incomplete.

Property	Value			Source
Space group	P 43 21 2			Depositor
Cell constants a, b, c, α , β , γ	128.50Å 90.00°	128.50Å 90.00°	116.30Å 90.00°	Depositor
Resolution (Å)	14.80 – 2.36			Depositor
% Data completeness (in resolution range)	88.0 (14.80-2.36)			Depositor
R_{merge}	0.06			Depositor
R_{sym}	(Not available)			Depositor
Refinement program	X-PLOR 3.851			Depositor
R , R_{free}	0.168 , 0.209			Depositor
Estimated twinning fraction	No twinning to report.			Xtriage
Total number of atoms	6998			wwPDB-VP
Average B, all atoms (Å ²)	33.0			wwPDB-VP

6 Fit of model and data [\(i\)](#)

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

EDS was not executed - this section is therefore empty.

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

EDS was not executed - this section is therefore empty.

6.3 Carbohydrates [\(i\)](#)

EDS was not executed - this section is therefore empty.

6.4 Ligands [\(i\)](#)

EDS was not executed - this section is therefore empty.

6.5 Other polymers [\(i\)](#)

EDS was not executed - this section is therefore empty.