



## Full wwPDB EM Validation Report ⓘ

Sep 26, 2022 – 01:38 pm BST

EMDB ID : EMD-14834  
Title : Complex I from E. coli, LMNG-purified, under Turnover at pH 6, Open state, MD focused map  
Authors : Kravchuk, V.; Kampjut, D.; Sazanov, L.  
Deposited on : 2022-04-22  
Resolution : 3.14 Å (reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>

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>.

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The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**  
Validation Pipeline (wwPDB-VP) : 2.31.2

# 1 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	Not Provided	
Number of particles used	31887	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	80.0	Depositor
Minimum defocus (nm)	1.0	Depositor
Maximum defocus (nm)	2.0	Depositor
Magnification	81000.0	Depositor
Image detector	GATAN K3 (6k x 4k)	Depositor