



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:32 pm GMT

EMDB ID : EMD-8293
Title : Architecture of the Human Mitochondrial Iron-Sulfur Cluster Assembly Machinery: the Complex Formed by the Iron Donor, the Sulfur Donor, and the Scaffold
Authors : , Gakh.O.; , Ranatunga.W.; , Smith.DY.; , Ahlgren.EC.; , Al-Karadaghi.S.; , Thompson.JR.; , Isaya.G.
Deposited on : 2016-08-05
Resolution : 14.30 Å(reported)

This is a wwPDB EM Map Validation Summary 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/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

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) : 2.13

1 Experimental information

Property	Value	Source
EM reconstruction method	singleParticle	Depositor
Imposed symmetry	POINT, O	Depositor
Number of images used	4124	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	The ctf.auto function from EMAN2 was applied.	Depositor
Microscope	FEI TECNAI F30	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	30.0	Depositor
Minimum defocus (nm)	0.21	Depositor
Maximum defocus (nm)	3.0	Depositor
Magnification	115000.	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor