



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 11:04 am GMT

EMDB ID : EMD-20166  
Title : The central pair apparatus focusing on the C1a-e-c supercomplex extracted from the cryo-electron tomography and subtomographic average of isolated *Chlamydomonas fap76-1,fap81* double mutant axoneme  
Authors : , Fu.G.; , Nicastro.D.  
Deposited on : 2019-04-26  
Resolution : 23.00 Å(reported)

This is a Full wwPDB EM Map 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.

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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) : 2.13

# 1 Experimental information

Property	Value	Source
EM reconstruction method	subtomogramAveraging	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	1018	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	1.57	Depositor
Minimum defocus (nm)	0.2	Depositor
Maximum defocus (nm)	0.5	Depositor
Magnification	26000.0	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor