



## Full wwPDB EM Map Validation Report ⓘ

Dec 7, 2020 – 04:20 pm GMT

EMDB ID : EMD-0630  
Title : The axonemal doublet microtubule focusing on the inner junction region extracted from the cryo-electron tomography and subtomographic average of isolated *Chlamydomonas pacrg*; *fap20* double mutant cilia  
Authors : Lin, J.; Fu, G.; Nicastro, D.; Dymek, E.E.; Porter, M.; Smith, E.F.  
Deposited on : 2019-03-05  
Resolution : 24.00 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.

---

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	SUBTOMOGRAM AVERAGING	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of subtomograms used	1826	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