



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:21 pm GMT

EMDB ID : EMD-7811  
Title : Subtomogram average (702 axonemal repeats) of isolated Rib72B knock out Tetrahymena cilia showing the lumen of the ciliary doublet microtubule (DMT)  
Authors : , Stoddard.D.; , Zhao.Y.; , Bayless.B.; , Gui.L.; , Louka.P.; , Dave.D.; , Surwayanshi.S.; , Tomasi.R.; , Dupuis-Williams.P.; , Baroud.C.; , Gaertig.J.; , Winey.M.; , Nicastro.D.  
Deposited on : 2018-04-22  
Resolution : 40.10 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](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	POINT, C1	Depositor
Number of images used	702	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TECNAI F30	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	1.5	Depositor
Minimum defocus (nm)	6.0	Depositor
Maximum defocus (nm)	8.0	Depositor
Magnification	13500.	Depositor
Image detector	GATAN ULTRASCAN 1000 (2k x 2k)	Depositor