

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Mock ER-3D reconstruction. In a FIB-SEM Z-stack ER was identified by iLastik training. ER structures showed a reticulated morphology. Scale bar 0.4 μm .

File Name: Supplementary Movie 2

Description: ptc-3(RNAi) ER-3D reconstruction. In a FIB-SEM Z-stack ER was identified by iLastik training. Upon ptc-3(RNAi) ER-sheets were identified. Scale bar 0.4 μm .