

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Tomogram of a Hela cell labeled with Ni-NTA-Au against His-GFP-clathrin light chain A. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.4 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 2

Description: Tomogram of a Hela cell labeled with Ni-NTA-Au against His-cavin1-GFP. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.4 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 3

Description: Tomogram of a Hela cell labeled with Ni-NTA-Au against EPS15-GFP-His. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.4 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 4

Description: Tomogram of a PC12 cell labeled with Ni-NTA-Au against His-GFP-Rab27a. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.3 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 5

Description: Tomogram of a PC12 cell labeled with Ni-NTA-Au against His-GFP-Rab3a. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 1.6 mm in width and 1.8 mm in height.

File Name: Supplementary Movie 6

Description: Tomogram of a PC12 cell labeled with Ni-NTA-Au against His-GFP-Granuphilin-a. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.3 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 7

Description: Tomogram of a PC12 cell labeled with Ni-NTA-Au against His-GFP-Rabphilin3a. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.3 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 8

Description: Tomogram of a PC12 cell labeled with Ni-NTA-Au against His-GFP-Rim2. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.9 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 9

Description: Tomogram of a PC12 cell labeled with Ni-NTA-Au against His-GFP-Syntaxin1A. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.3 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 10

Description: Tomogram of a PC12 cell labeled with Ni-NTA-Au against His-GFP-SNAP25. The tomogram is viewed in the XY plane through Z slices. Each voxel is 2.3 nm in all dimensions. The tomogram is 2.3 mm in width and 1.9 mm in height.

File Name: Supplementary Movie 11

Description: Video of 500 frames of raw localization imaging shown by fluorescence blinks.