

Supplementary Movies Legends

Movie S1 A video of Z-slicing view of FIB-SEM reconstruction of cells transfected with MiD51-APEX2. The axial thickness is 15 nm and there are 260 slices in total.

Movie S2 A video of Z-slicing view of FIB-SEM reconstruction of cells transfected with MiD49-APEX2. The axial thickness is 20 nm and there are 130 slices in total.

Movie S3 A video of Z-slicing view of FIB-SEM reconstruction of cells transfected with APEX2-Mff. The axial thickness is 15 nm and there are 248 slices in total.

Movie S4 A video of Z-slicing view of FIB-SEM reconstruction of cells transfected with APEX2-Fis1. The axial thickness is 20 nm and there are 133 slices in total.

Movie S5 A video of Z-slicing view of FIB-SEM reconstruction of cells transfected with APEX2-Mfn2. The axial thickness is 20 nm and there are 198 slices in total.

Supplemental movies are available at
<http://feilab.ibp.ac.cn/data/APEX2FIBSEM/>.