

File Name: Supplementary Data 1

Description: List of proteins detected in the HA-Mmr1-immunoprecipitated fraction.

File Name: Supplementary Movie 1

Description: YTK5334 (*Mt-GFP*) cells were grown to log phase in synthetic complete medium and serially observed under a fluorescence microscope using glass-base dishes.

File Name: Supplementary Movie 2

Description: YTK5341 (*Mt-GFP dma1Δ dma2Δ*) cells were grown to log phase in synthetic complete medium and serially observed under a fluorescence microscope using glass-base dishes.

File Name: Supplementary Movie 3

Description: YTK5334 (*Mt-GFP*) cells were grown to log phase in synthetic complete medium, fixed, and observed under a fluorescence microscope. Optical sections were obtained using a structured illumination microscopy system at an interval of 0.2 μm , deconvoluted and reconstructed into the 3D image.

File Name: Supplementary Movie 4

Description: YTK5341 (*Mt-GFP dma1Δ dma2Δ*) cells were grown to log phase in synthetic complete medium, fixed, and observed under a fluorescence microscope. Optical sections were obtained using a structured illumination microscopy system at an interval of 0.2 μm , deconvoluted and reconstructed into the 3D image. Mitochondria are stacked at the bud-tip. Bar, 5 μm .

File Name: Supplementary Movie 5

Description: YTK5341 (*Mt-GFP dma1Δ dma2Δ*) cells were grown to log phase in synthetic complete medium, fixed, and observed under a fluorescence microscope. Optical sections were obtained using a structured illumination microscopy system at an interval of 0.2 μm , deconvoluted and reconstructed into the 3D image. Mitochondria are stacked at the bud-neck. Bar, 5 μm .