

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Time-dependent fusion of small GFP-Par3N/mCherry-Par6 β puncta into larger ones in living COS7 cells, related to Fig. 2c.

File Name: Supplementary Movie 2

Description: Fluorescence signal recovery of GFP-Par3N in a COS7 cell co-expressing with Flag-Par6 β , related to Fig. 2d.

File Name: Supplementary Movie 3

Description: Fluorescence signal recovery of GFP-Par6 β in a COS7 cell co-expressing with HA-Par3N, related to Fig. 2e.

File Name: Supplementary Movie 4

Description: Time-dependent fusion of small iFluorTM 488-Par3N droplets into larger ones in vitro, related to Fig. 3e.

File Name: Supplementary Movie 5

Description: Time-dependent fusion of small iFluorTM 488-Par3N/Cy3-Par6 β droplets into larger ones in vitro, related to Fig. 3f.

File Name: Supplementary Movie 6

Description: Fluorescence signal recovery of iFluorTM 488-Par3N in vitro, related to Fig. 3g.

File Name: Supplementary Movie 7

Description: Fluorescence signal recovery of iFluorTM 488-Par3N in the Par6 β -bound droplets in vitro, related to Fig. 3g.

File Name: Supplementary Movie 8

Description: 1,6-Hexanediol-induced dispersion of the Par3N/Par6 β droplets, related to Supplementary Fig. 2d.