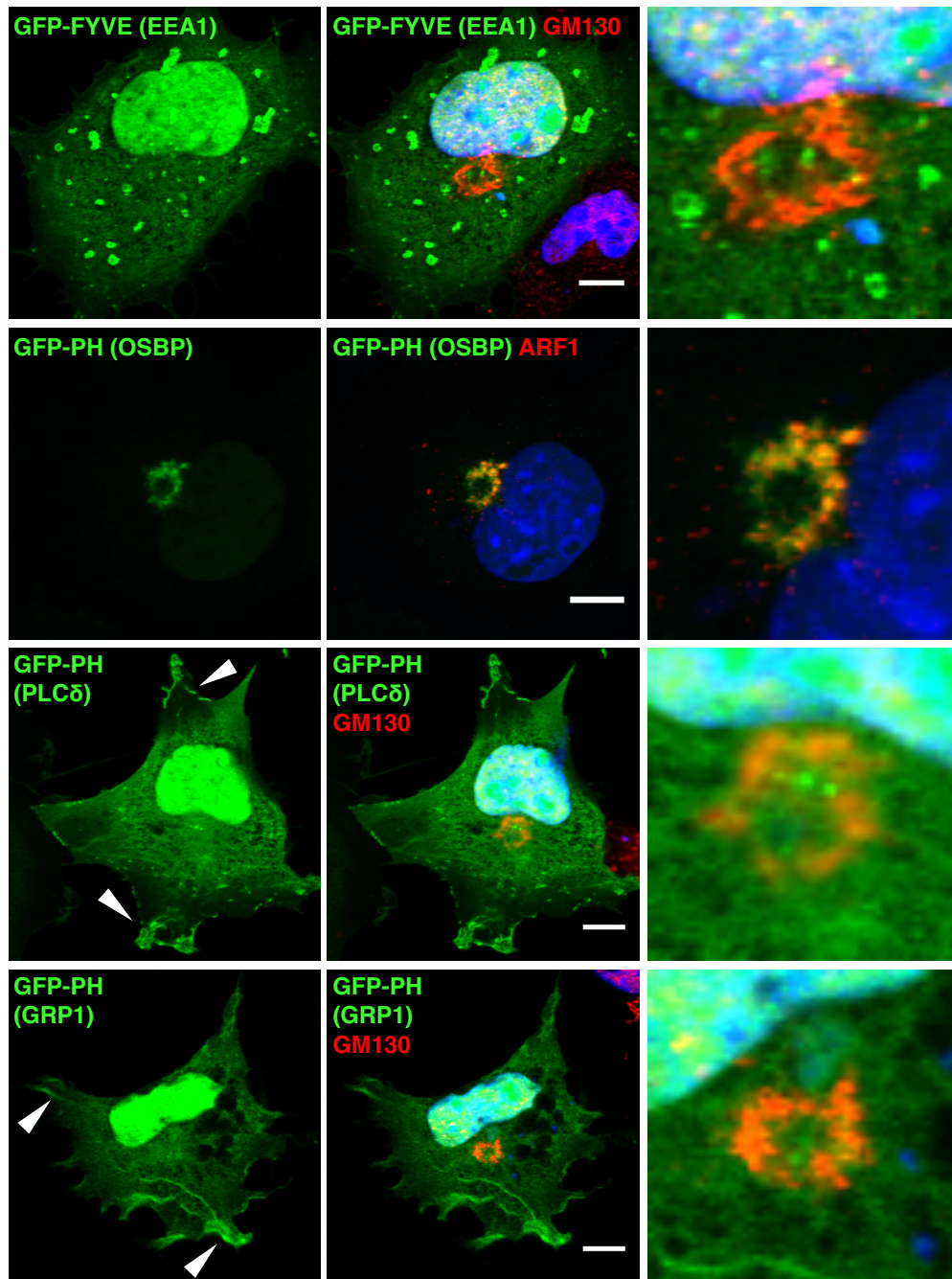


Figure S10
A



B

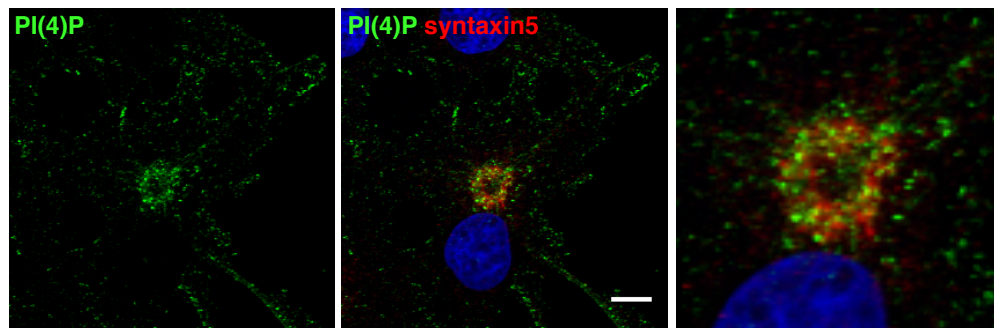


Figure S10. Localization of several PIPs.

(A) GFP-FYVE (EEA1), GFP-PH (OSBP), GFP-PH (PLCδ), and GFP-PH (GRP1) were transiently expressed in COS-1 cells for the detection of PI(3)P, PI(4)P, PI(4,5)P₂, and PI(3,4,5)P₃, respectively. Cells were then fixed and stained for GM130 (*cis*-Golgi) or ARF1 (*trans*-Golgi). Magnified images around the REs/Golgi region are shown in the right column. Arrowheads indicate the signals at membrane ruffles. (B) COS-1 cells were fixed and stained with anti-PI(4)P and anti-syntaxin 5 (Golgi) antibodies. A magnified image is shown in the right panel. Scale bars, 10 μm.