



**Supplemental figure S2: Regulation of Rho family GTPases on MVEs by G $\beta\gamma$  subunits.**

- (A) The Raichu-Cdc42 images (CFP (donor), YFP (acceptor)) on CD63-positive MVEs corresponding to Fig. 2A are shown. White circles represent the bleached areas of acceptor. Scale bar, 5  $\mu$ m.
- (B) The Raichu-Rac1 images (CFP (donor), YFP (acceptor)) on CD63-positive MVEs corresponding to Fig. 2B are shown. White circles represent the bleached areas of acceptor. Scale bar, 5  $\mu$ m.