

SUPPLEMENTARY MOVIE LEGENDS:

Movie S1. 3D raw images for Cell 1 in Fig. 5A. ARF6-TagRFP (red) and GFP-P4M (green). The Golgi pool of PtdIns4P is denoted with a white irregular circle.

Movie S2. 3D raw images for Cell 2 in Fig. 5A. ARF6-TagRFP (red) and GFP-P4M (green). The Golgi pool of PtdIns4P is denoted with a white irregular circle.

Movie S3. 3D raw images for Cell 1 in Fig. 5B. ARF6-TagRFP (red) and GFP-P4M (green). The Golgi pool of PtdIns4P is denoted with a white irregular circle.

Movie S4. 3D raw images for Cell 2 in Fig. 5B. ARF6-TagRFP (red) and GFP-P4M (green). The Golgi pool of PtdIns4P is denoted with a white irregular circle.