Figure S3. The different stages of mitosis in Arabidopsis root.

(A-F) Double immunolocalization of KNOLLE (green), α-tubulin (red) in root tip cells of wild type 5 day-old Arabidopsis seedlings stained with DAPI (blue) at different stages of mitosis; (A) prophase, (B) metaphase, (C) anaphase, (D) early telophase, (E) telophase and (F) cytokinesis. Scale Bar, 5 µm.

(G-H) Double immunolocalization of KNOLLE (red), α-tubulin (grey) in root tip cells of wild type (G) and pas2-1 (H) 5 day-old seedlings expressing YFP-RabA2a and stained with DAPI (blue) at different stages of mitosis. Prophase, Metaphase, anaphase and telophase are sequentially shown from top to bottom. Scale bar, 5µm.

(I-J) Double immunolocalization of KNOLLE (red), α-tubulin (grey) in root tip cells of wild type pas3-1 (I) and pas1-2 (J) 5 day-old seedlings. Cytokinesis defect could be seen in pas3-1 with a tilted and unbalanced cell plate or with ectopic KNOLLE staining in lateral membranes in pas1-2 (arrow). Scale bar, 5µm.