SUPPLEMENTARY MATERIAL

corresponding to:

Rab11 is required for cell adhesion, maintenance of cell shape and actin-cytoskeleton organization during Drosophila wing development

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Supplementary Fig. S1. Mitotic clones in wing imaginal disc cells mutant for Rab11EP(3)3017. Rab11 homozygous mutant clones (A-I) were induced at 48/72/96 h after egg laying (AEL) and heat shock (HS) was given for 45/60/90 min in wing imaginal discs, do not survive as revealed by the absence of non-GFP cells, whereas their twins (cells expressing higher levels of GFP) do survive. Scale bar, 50 μm.

Supplementary Fig. S2. Rab11N124I or Rab11QL expression results in cell shape changes in wing imaginal disc. Phalloidin staining shows (A-C) cortical actin-filaments associated with the apical adherens junctions outlining the apical ends of the cells. Over-expressed mutant Rab11 cells showing increase in their apical ends (B,C) as compared with wild type (A). Apico-lateral cell surface (D-F) was also visualized after staining with anti-phosphotyrosine antibody. Over-expressed mutant Rab11 cells expand their apico-lateral cell surfaces (E,F) as compared with wild type (D). Scale bar, 10 μm.