

Murphy and Montell. Vol. 133, No. 3, May 1996. Pages 617–630.

A corrected Table II and legend to Fig. 5 appear below.

Table II. Lethality/Viability of Gal4 Constructs with UAS-Rac, Cdc42, or RhoL

| UAS construct | 458 | 306 | 198Y | 212 | hs-GAL4 |
|----------------------|-------------------|-----------------|-----------------|------------|-------------|
| RhoLV20 | Lethal | Lethal | Lethal | Viable | Lethal |
| RhoLN25 | Viable | Viable | Viable | Viable | Viable |
| RacV12 | Lethal | Lethal | Lethal | Lethal | Lethal |
| RacN17 | Viable | Viable | Viable | Viable | Viable |
| Cdc42V12 | Viable | Lethal | Lethal | Lethal | Semi-lethal |
| Cdc42N17 | Viable | Viable | Lethal | Viable | Viable |
| Embryonic expression | None | Salivary gland | Salivary gland | Not tested | Not tested |
| Larval expression | Moderate, general | Strong, general | Strong, general | Not tested | Not tested |

Figure 5. Changes in F-actin distribution during normal border cell migration and effects of altered Rho proteins on border cells. (A and K) Wild-type stage 10 egg chambers stained for F-actin. (B) Nomarski optics image of *slbo*¹/*CyO* stage 10 egg chamber stained for β -galactosidase activity. (C) High power confocal micrographs of wild-type border cells initiating migration in stage 9 (C) and after migration in stage 10 (D), stained for F-actin. The triangle indicates one filopodium in C. C and D are high power images of the same egg chambers shown in Fig. 1, H and I. (E) F-actin staining of a representative egg chamber expressing Rac^{N17} in border cells and posterior follicle cells (Gal4-306;UAS-Rac^{N17}). (F) β -Galactosidase activity staining of a stage 10 egg chamber (Gal4-306;UAS-Rac^{N17}; *slbo*¹/+), showing that the cells at the anterior tip are border cells. (G) High power confocal micrograph of stage 10 border cells from Gal4-306;UAS-Rac^{N17} stained for F-actin. Note the lack of cellular extensions of filopodia. (H) Nuclear staining of G. (I) F-actin staining of a stage 9 egg chamber expressing dominant-negative RhoL. (J) β -Galactosidase activity staining in a similar egg chamber. Arrows indicate border cells.