Supplementary Figure 1: **tll::GFP** and **c855a-GAL4** expression in eye imaginal discs

(A and C) maximum projections and (B and D) single sections of eye imaginal discs at 96 h ALH. (A, B) **tll::GFP** is expressed in one cell per ommatidia, which is also positive for Fas II. (C, D) **c855a-GAL4** drives strong **mCD8::GFP** expression in peripodial epithelial cells. Weak and irregular expression can also be seen in ommatidial cells that are positive for Fas II. Scale bars: 25µm for (A, C) and 10µm for (B, D).
Supplementary Figure 2: Tll protein levels are not detectable in tll\textsuperscript{miRNA} clones (A-A”) shows a lateral section at 72 h ALH. βGal labels tll knockdown clones. Dlg labels cell outline. Upon tll knockdown Tll protein is not detectable in clonal neuroepithelial cells while immunofluorescent staining is clearly visible in neighboring non-clonal cells. Scale bar 10µm.
Supplementary Figure 3: *tll*\(^{49}\) mutant clones phenocopy *tll*\(^{miRNA}\) knockdown clones.

(A-B) single frontal section and (C) single lateral section at 72 h ALH. mCD8::GFP labels *tll*\(^{49}\) mutant clones. (A-B") The expression of Dac is severely reduced or absent in *tll* mutant MARCM clones (arrowheads) whereas Dac expression is visible in LPCs and lamina neurons at the control side (arrow). (C) Clonal lack of *tll* results in a complete loss of L’sc expression in the neuroepithelial cell to neuroblast transition zone. Scale bar 10 µm.
**Supplementary Figure 4:** *tll* misexpression is not sufficient to induce ectopic L’sc or Dac expression

(A) single frontal and (B) single lateral sections at 72 h ALH. βGal staining labels *tll* misexpression clones. (A-A’) Clonal misexpression of *tll* is not sufficient to induce Dac expression in more medial neuroepithelial cells. (B-B’) Clonal misexpression of *tll* is not sufficient to induce L’sc expression in more lateral neuroepithelial cells. Scale bars: 10µm.