

**Figure 2 - figure Supplement 6: Control brains without the lexA driver to assess the lvels mof ligand-independent background.**

(a) The confocal images show that the negative controls of Fig. 2e without lexA drivers (carrying nlgSNTG4 driven by the nSybE- (top panels) or GH146 enhancers (bottom panels), 5xUAS-CD4::tdGFP and LexAop-nSyb::CD19) have no induction in antennal lobe neurons. (b) The images show that control brains of Fig. 3 without LexA driver (carrying GH146-nlgSNTG4, 5xUAS-CD4::tdGFP and LexAop-nSyb::CD19 (top panels) or CD19::Sdc (bottom panels) have very low levels of ligand-independent background GFP expression in the antennal lobe (stippled circle). Scale bar= 50μm.