



FIGURE S3.—Assay for position effects across 16 *attP* sites. *Drosophila* adult brains immunostained for GFP. We assayed 16 genomic *attP* sites for position effects using an enhancer detector, pBDPGAL4U (PFEIFFER *et al.* 2008), containing a minimal basal promoter, DSCP, and GAL4. These detectors were crossed to pJFRC2 in *attP2*. Any enhancers in the local chromatin environment act on pBDPGAL4U and direct cell-specific GFP expression, as observed with *VK00016*, *attP16*, *attP1*, and *su(Hw)attP4*. These sites were rejected. The remaining twelve sites showed little to no GFP expression and were investigated further. Ectopic GFP expression caused by the gypsy insulator is present in a set of cells in the lateral horn (blue arrows) in *su(Hw)attP* sites (NI *et al.* 2009; this study).