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 pJJRC2 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).