**Figure S6.** Insertion confirmation by PCR. For every candidate insertion strain isolated from the injections reported in this study (Figure 3 and Table S3), genomic DNA was prepared and tested for the presence of the anticipated insertion by PCR. PCRs were performed using one primer that binds within the intended insert sequence and a second primer that binds in the genome external to the homology arms used to direct insertion. Molecular weight standard sizes are listed in kb. The expected sizes of the PCR products from successful insertions are listed on the right of each gel. Unless noted, each strain exhibited the anticipated fluorescence intrinsically or upon pan-neuronal FLP expression. * = Strain did not exhibit fluorescence.
anticipated from insertion allele. † = Strain did not exhibit fluorescence anticipated from the insertion allele upon pan-neuronal FLP expression. § Unanticipated product.