



Figure S1 A Genetic Screen for Second Chromosome Modifiers of *cac^{TS2}*. *cac^{TS2}* males with an isogenized second chromosome were exposed to the mutagen, ethylmethane sulphonate (EMS). Mutagenized males were mated with *cac^{TS2}* females carrying the visible second chromosome marker, *Scutoid* (*Sco*), in trans to a *Curly of Oster* (*CyO*) balancer chromosome carrying a GFP transgene marked with *w⁺*. The F1 male progeny were backcrossed to F0 females. After mating F2 heterozygous siblings, F3 flies homozygous for a mutagenized second chromosome in a *cac^{TS2}* genetic background were screened for altered *cac^{TS2}* behavior at 36°C. * ; mutagenized chromosome