

Supporting Information

Jia et al. 10.1073/pnas.1800677115

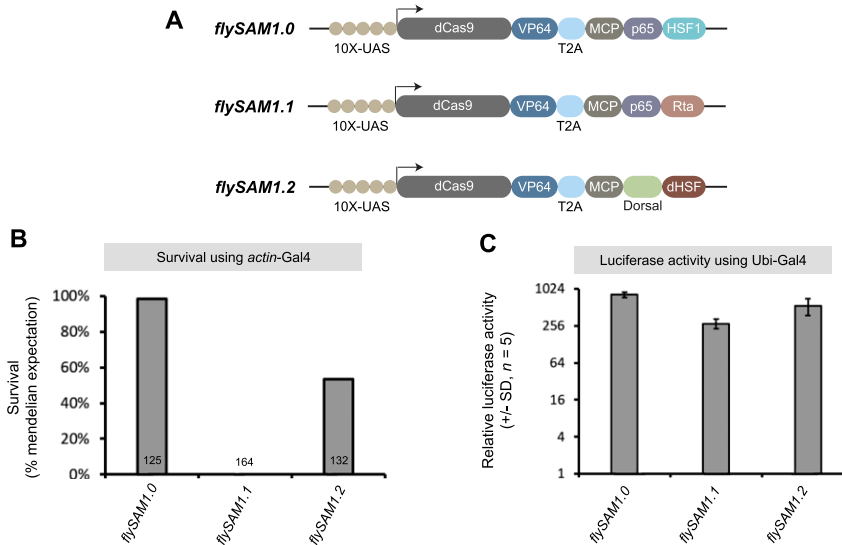


Fig. S1. Comparison of alternative flySAM designs. (A) Schematics of flySAM1.0, 1.1, and 1.2. (B) The survival rate of flySAM1.0, 1.1, and 1.2 flies driven by *actin-Gal4*. (C) In vivo CRISPRa luciferase assay of flySAM1.0 compared with dCas9-VP64, flySAM1.1, and flySAM1.2, using the Ubi-Gal4 driver.

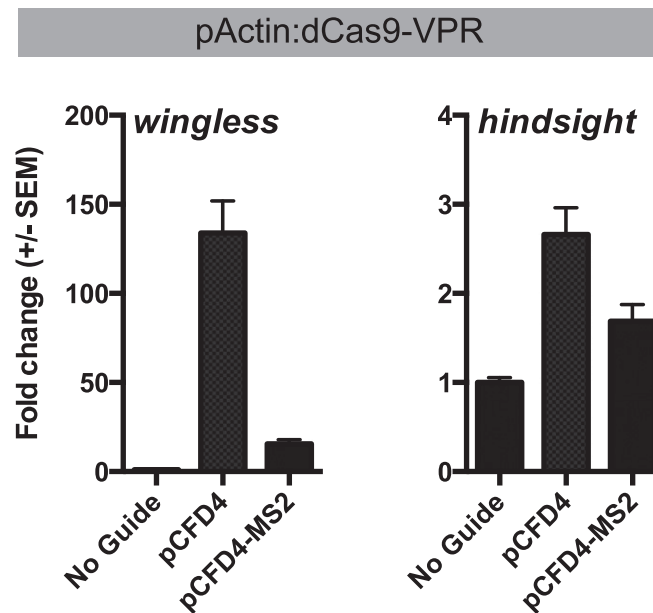


Fig. S2. qPCR analysis of the effects of MS2 hairpins in the sgRNA in VPR. Identical protospacers targeting *wg* or *hnt* were expressed in pCFD4 (standard sgRNA) or pCFD4-MS2 (SAM-compatible), and cotransfected into S2R⁺ cells along with pAct:dCas9-VPR. qPCR was performed 3 d later. Value are mean \pm SEM of two biological replicates.

Other Supporting Information Files

- [Table S1 \(XLSX\)](#)
- [Table S2 \(XLSX\)](#)
- [Table S3 \(XLSX\)](#)
- [Table S4 \(XLSX\)](#)