



Figure S1 Alternate injection scheme for RMCE using a target on a balancer chromosome. In this scheme, the integrase source and balancer are combined in the stock $y M\{vas-int.Dm\}ZH2A w ; Dr/TM3^{FS18}$, alleviating the need to obtain virgin females. In the G0 generation, 50% of embryos will have the desired genotype on the third chromosome ($Dr/TM3$), while 50% will have a lethal genotype (Dr/Dr or $TM3/TM3$); either males or females are mated singly to w^{1118} . In the F1, all $w^- Sb$ progeny will represent insertions onto the balancer (males only shown for simplicity, females can also be screened).