Figure 2.5. Two versus three copies of *ovo* in the genome. (A) Creating heterozygous females. In G0, generation zero, homozygous *Tf(1)OW10.0-17B* virgin females were mated to *FM7a* males to get heterozygous females bearing *Tf(1)OW17B-10kb* balanced with *FM7a* in the F1. (B) Creating control and experimental groups. These F1 females of G0 then outcrosses to males homozygous for *ovo:LucZ* reporter constructs, *ovo3U21* and *ovo4B8*. Control group, carrying two copies of *ovo* (*FM7a\ W; ovo: lacZ \ (+)* gene expression activity was compared to of experimental group, carrying three copies of *ovo* (*Tf(1)\ W; ovo: lacZ \ (+)*).