



**Active transgene
(+GAL)**

**Inactive transgene
(-GAL)**

Figure 4. The MSL Complex Targets Activated Genes

A construct containing a promoter under the control of the *trans*-activator GAL4 has been inserted at a site that is normally devoid of the MSL complex in larval salivary gland chromosomes (*right panel*). When a gene expressing GAL4 is introduced in the genome (*left panel*), the *trans*-activator binds to the construct (*red color*) and recruits the MSL complex (*green color*). (Reprinted, with permission, from Sass et al. 2003 [© National Academy of Sciences].)