



Figure 1.1. Sex Determination of *D. melanogaster*. Straight lines with arrows represent activation of the gene expression. Straight lines with knobs used for repression of gene activity. Dot lined arrows show possible soma-germline interactions. *Sxl* (*sex lethal*), *sis-a* (*sisterless a*), *sis-b* (*sisterless b*), *sis-c* (*sisterless c*), *runt* (*runt*), *dpn* (*deadpan*), *emc* (*extramachrochaetae*), *her* (*hermaphrodite*), *da* (*daughterless*), *gro* (*groucho*), *snf* (*splicing necessary factor*), *vir* (*virilis*), *fl(2)d* (*female lethal-2-allele*), *tra* (*transformer*), *tra-2* (*transformer-2*), *dsx* (*doublesex*), *ix* (*intersex*), *fru* (*fruitless*), *otu* (*ovarian tumor*, *Yp* (*yolk Protein*)). Adopted after Cline and Meyer, 1996 and Lu et al., 1998.