



Figure 2. Overview of X-Chromosome Regulation

Dosage compensation occurs in somatic tissues uniquely in XX hermaphrodites. Silencing of the Xs in the germ line occurs in both XO males and XX hermaphrodites. Hermaphrodites display late and partial activation of X-linked genes during late pachytene of oogenesis. The arrows point out the single primordial germ cell in the embryo that generates the germ line in the adult gonad.