



Figure 8. Model for How MES-2/3/6 and MES-4 Participate in X Silencing in the Germ Line

The MES-2/3/6 complex concentrates a repressive chromatin mark (H3K27me3) on the X chromosomes and repels MES-4 from the Xs. MES-4 concentrates a different chromatin mark (H3K36me2) on the autosomes and is hypothesized to repel an unknown repressor (*yellow hexagon*), thereby helping to focus that repressor's action on the Xs. The result is silencing of the Xs by the combined action of the "yellow hexagon" repressor and MES-2/3/6-catalyzed repressive histone methylation.