



Figure 8. Layers of Epigenetic Silencing Accumulate on Xi through Differentiation

The diagram shows how five different epigenetic changes associated with transcriptional silencing are put in place on the inactive X chromosome at different stages of development and differentiation in both the developing embryo and ES cells in culture. In some cell types, methylation of H3K27 is transient, being seen only at early stages of differentiation and not in mature cells.