



**Figure 6. Genes and Regulatory Elements in the X-Inactivation Center Region**

10kb

The key region regulating X inactivation is shown in green. Flanking genes are shown in gray. Arrows indicate promoters for the *Xist* (sense) and *Tsix* (antisense) genes. The extents of the respective noncoding RNAs are indicated with dashed green lines. Regulatory elements controlling *Tsix* expression, *Xite* and *DXPas34*, are indicated in black. Regions and loci involved in X-chromosome choice and X-chromosome counting are indicated above.