



Figure 9. H2A Variants and the Inactive X Chromosome of Human Females

(a) macroH2A (red) stains discrete regions of the inactive X chromosome that alternate with a marker for heterochromatin (histone H3K9me3). (b) H2A^{Bbd} (green) is excluded from the inactive X chromosome (red dot with arrow pointing to it). (c) Same nucleus as in b, but stained with DAPI to show chromatin. (a, Reprinted, with permission, from Chadwick and Willard 2004 [© National Academy of Sciences]; b,c, reprinted, with permission, from Chadwick and Willard 2001 [© The Rockefeller University Press].)