



Figure 11. 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.B (green) is excluded from the inactive X chromosome (red dot with arrowhead 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, © 2001 The Rockefeller University Press. Originally published in *Journal of Cell Biology* **152**: 375–384. doi: 10.1083/jcb.152.2.375.)