



Figure 7. The Spread of the MSL Complex from an Autosomal Transgene Is Proportional to a Reduction in Function of the Endogenous, X-linked *roX* Genes

Maximal autosomal spreading is achieved when the transgene is the only source of *roX* RNA in the cell. (a) Chromosomes from a male with a wild-type X; the presence of the autosomal transgene is indicated by the narrow MSL band (red). (b) A male with only one active X-linked *roX* gene. The MSL complex spreads slightly more than in wild type. (c,d) Extensive spreading in males carrying two different transgenes and an X chromosome with both *roX* genes deleted. (Reprinted, with permission, from Park et al. 2002 [© AAAS].)