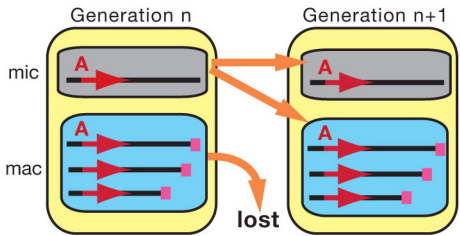
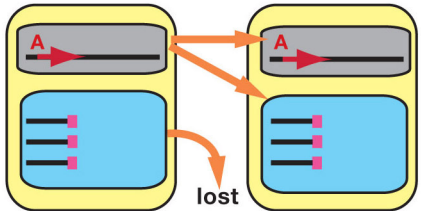


a. Wild type



b. d48



c. Rescued d48

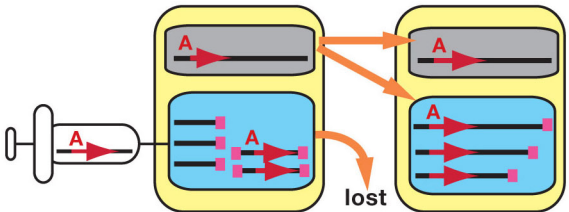


Figure 7. Epigenetic Inheritance and Experimental Rescue of Macronuclear A-gene Deletions

(a) Wild-type strain. (b) The d48 strain lacks the A gene in its macronucleus, but has a wild-type micronucleus. The A gene is reproducibly deleted during macronuclear development in each generation. (c) Transformation of the macronucleus of the d48 strain with A-gene sequences will specifically restore amplification of the germline A gene in the developing macronucleus of sexual progeny.