



Figure 8. Homology-dependent Inhibition of IES Excision by the Maternal Macronucleus

During normal development, IESs (*red and green bars*) are excised efficiently. However, transformation of the maternal macronucleus with a given IES (initial transformants = Generation t) can inhibit the elimination of the homologous IES during the subsequent (Generation $t + 1$) (and future) rounds of new macronuclear differentiation.