

Additional file 4. Effect of fragmentation on extinction times: complementary results (use of an alternative protocol to model environmental perturbations)

Demographic, genetic and demo-genetic median extinction times as functions of the level of metapopulation fragmentation (N). In this figure, environmental perturbations were assumed to reduce the local carrying capacities of patches for the demographic and demo-genetic models (the genetic model was as in the main results). Extinction times are presented for different dispersal rates (m , ranging from 0 to 0.1, K_t fixed to 250). Continuous lines: low frequency of environmental perturbations ($P=0.05$); dotted lines: high frequency of environmental perturbations ($P=0.15$). In all cases, perturbations occur and act independently among patches. $F=1.1$.

