

Additional file 3. Effect of fragmentation on extinction times: regime of spatially correlated perturbations

Demographic, genetic and demo-genetic median extinction times as functions of the level of metapopulation fragmentation (N). Extinction times are presented for different dispersal rates (m , ranging from 0 to 0.1, K_t fixed to 250, left panel) and different overall metapopulation carrying capacities (K_t , ranging from 50 to 1000, m fixed to 0.01, right panel). Continuous lines: low frequency of environmental perturbations ($P=0.05$); dotted lines: high frequency of environmental perturbations ($P=0.15$). In all cases, environmental perturbations occur and are fully correlated among patches. $F=1.1$.

