



**Figure S2 | Dispersal kernel effects on spatial genetic correlation.** The plot of spatial-genetic correlation versus 50km distance classes shows positive r-values where the individuals in each bin that are closer in space are also more closely related. The effect of isolation-by-distance driven spatial genetic correlation decays as geographic distances become larger such that r-values approach zero when comparing between two points that are both far from the central point. Each line corresponds to the mean r-values of 10 simulated datasets for each parameter set in IBDSim [1].

1. Leblois R, Estoup A, Rousset F (2009) IBDSim: a computer program to simulate genotypic data under isolation by distance. *Molecular Ecology Resources* 9: 107-109.