
**Figure 1S.** Mixing index of MCMC interactions along the run. B) Number of genetic red deer groups (*K*) inferred after burnin.
**Figure 2S.** Geneland (Guillot et al. 2005) output showing the map of posterior probabilities of red deer’s population membership based on multilocus Bayesian inference. X and Y axis show longitude and latitude respectively. Dots indicate sampled populations and colours indicate the clusters to which they are assigned.

**Literature Cited**