# Supplementary Information

## Model validation

The mean total home range of mature deer across simulations which were alive at the end, representing a mix of ages at a snapshot point in time, varied from 1923 ha to 2211 ha (mean 2053 ha), whilst standard deviations varied from 357.8 to 512.1. Here, home range size was the number of unique 1 ha patches visited by a deer individual. [real populations are of x size from literature/local knowledge/expert opinion etc]

Landcover preferences of deer were qualitatively similar between real deer GPS records and simulated deer visit frequencies, with preferences for moderate slopes and elevations for example (Fig x). The resulting habitat suitability maps of Corsica were also qualitatively similar, though both are unrealistically narrow (Fig x).