

Vilà-Cabrera et al. – Supporting information

Appendix A. Terms used in the *Web Of Science* search the empirical evidences addressing the different components of the theoretical framework.

We searched for articles containing the topic words ‘forest* AND Mediterranean’ in the abstract, plus multiple different combinations of topic words related to the management strategies studied. A first search included the key words *forest* AND Mediterranean AND (experiment* OR treatment*) AND (management OR thinning OR clearing OR diversification OR diversity OR "species composition" OR "mixed forest*" OR genetic OR trait* OR genotyp* OR phenotyp* OR "gene flow" OR migration OR landscape)*. Given the broad range of terms and key words that can be used and the difficulty to find studies we also did the following additional searches excluding the term *(experiment* OR treatment*)*: *forest* AND Mediterranean AND (structural NEAR/10 diversity OR "uneven-aged " OR "uneven aged" OR "structural complexity" OR "even-aged" OR "even aged")*; *forest* AND Mediterranean AND ("mixed forest*" OR "species mixture" OR coexistence)*; *forest* AND Mediterranean AND ("species chang*" OR "species shift*" OR "chang* in species" OR "shift* in species" OR "chang* in community" OR "shift* in community" OR "community chang*" OR "community shift*" OR "species replacement" OR "species substitution" OR "replacement of species" OR "substitution of species"*; *forest* AND Mediterranean AND management AND landscape OR heterogeneity*; *forest* AND Mediterranean AND genet**. We also reviewed some articles cited in the studies found which did not appear in our searches.