**S1 Table.** Environmental characteristics of the study regions. Climate variables were obtained for a centrally located grid-cell in each study area from the WorldClim database [1] (temperature and precipitation) or [2] for cumulative water deficit (CWD).

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Ireland | France | Portugal |
| Temperature\* | 9.2 (4.9 – 14.1) | 12.8 (6.5 – 19) | 13.7 (7.9 – 19.7) |
| Precipitation\*\* | 907 (178 – 269) | 1033 (195 – 338) | 1254 (89 – 497) |
| CWD | -40 | -182 | -339 |
| Semi-natural forest | *Quercus robur* and *Q. petraea* (n=7) | *Q. robur* and *Q. pyrenaica* (n=40) | *Q. robur* and *Q.* pyrenaica (n=9) |
| Plantation | Non-native *Picea sitchensis* (n=10) | Native *Pinus pinaster* (n=64) | Native P. pinaster (n=9) |

\* Annual mean temperature values are presented, with values in the coldest and warmest quarter shown in parentheses.

\*\* Total annual precipitation (with values for driest and wettest quarters in parentheses)

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