**Table 1.** Investigated dataset with details on the type of sample assembled for the analysis, the geographic origin and taxonomic identity of the samples; N = number of individuals (= DNA extracts) multiplexed (pooled) in each tube; n = number of individual DNA extracts per species

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| # Tube | Sample | N | Country | Species | Sect. | n | Species | Sect. | n | Species | Sect. | n |
| G2 | Pure | 3 | Morocco | *Q. ilex* L. | *Ilex* | 3 |  |  | - |  |  | - |
| F2 | Mixed | 4 | Morocco | *Q. ilex* L. | *Ilex* | 1 | *Q. suber* L. | *Cerris* | 1 | *Q. canariensis* Willd. | *Quercus* | 2 |
| D5 | Pure | 6 | Tunisia |  |  | - | *Q. afares* Pomel | *Cerris* | 6 |  |  | - |
| E5 | Mixed | 8 | Tunisia | *Q. coccifera* L. | *Ilex* | 1 | *Q. suber* L. | *Cerris* | 4 | *Q. canariensis* Willd. | *Quercus* | 3 |
| H1 | Pure | 4 | Spain |  |  | - |  |  | - | *Q. faginea* Lam.\* | *Quercus* | 4 |
| E4 | Mixed | 16 | Turkey | *Q. coccifera* L. | *Ilex* | 1 | *Q. cerris* L. | *Cerris* | 3 | *Q. infectoria* Oliv. | *Quercus* | 1 |
|  |  |  |  |  |  | | *Q. trojana* Webb | *Cerris* | 2 | *Q. frainetto* Ten. | *Quercus* | 4 |
|  |  |  |  |  |  | | *Q. macrolepis* Kotschy | *Cerris* | 1 | *Q. petraea* Matt. (Liebl.) | *Quercus* | 2 |
|  |  |  |  |  |  | |  |  |  | *Q. pubescens Willd.* | *Quercus* | 2 |

\* *Quercus lusitanica* Lam. ecomorphotype