

SUPPORTING INFORMATION

Influence of climatic niche suitability and geographical overlap on hybridization patterns among southern Californian oaks

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Appendix S1 Polymorphism characteristics of microsatellite loci used to type Engelmann and scrub oaks from southern California based on genetically identified individuals according to STRUCTURE analyses and considering a threshold value of q equal to 0.90. Number of alleles (A), standardized allelic richness (A_R), number of private alleles (A_{PRIV}), allele frequency differentials (δ), expected heterozygosity (H_E), and observed heterozygosity (H_O) at each locus are indicated.

| Locus | Species | A | A_R | A_{PRIV} | δ | H_E | H_O | Primer origin |
|----------|---------------|-----|-------|------------|----------|-------|-------|-----------------------------------|
| MSQ4 | Engelmann oak | 21 | 20.97 | 3 | 0.44 | 0.90 | 0.87 | Dow <i>et al.</i> , 1995 |
| | Scrub oak | 25 | 23.75 | 7 | | 0.91 | 0.90 | |
| QpZAG1/5 | Engelmann oak | 10 | 9.96 | 1 | 0.54 | 0.74 | 0.62 | Steinkellner <i>et al.</i> , 1997 |
| | Scrub oak | 25 | 23.57 | 16 | | 0.88 | 0.71 | |
| QpZAG7 | Engelmann oak | 16 | 15.96 | 2 | 0.55 | 0.87 | 0.65 | Steinkellner <i>et al.</i> , 1997 |
| | Scrub oak | 21 | 19.66 | 7 | | 0.79 | 0.86 | |
| QpZAG9 | Engelmann oak | 28 | 27.85 | 4 | 0.40 | 0.92 | 0.84 | Steinkellner <i>et al.</i> , 1997 |
| | Scrub oak | 31 | 29.06 | 7 | | 0.92 | 0.88 | |
| QpZAG36 | Engelmann oak | 14 | 14.00 | 9 | 0.89 | 0.70 | 0.58 | Steinkellner <i>et al.</i> , 1997 |
| | Scrub oak | 14 | 13.16 | 9 | | 0.84 | 0.83 | |
| QpZAG110 | Engelmann oak | 22 | 21.94 | 4 | 0.55 | 0.81 | 0.71 | Steinkellner <i>et al.</i> , 1997 |
| | Scrub oak | 28 | 26.32 | 10 | | 0.90 | 0.84 | |
| QrZAG11 | Engelmann oak | 7 | 6.98 | 2 | 0.66 | 0.31 | 0.25 | Kampfer <i>et al.</i> , 1998 |
| | Scrub oak | 29 | 26.87 | 24 | | 0.83 | 0.65 | |
| QrZAG20 | Engelmann oak | 12 | 11.96 | 1 | 0.61 | 0.81 | 0.75 | Kampfer <i>et al.</i> , 1998 |
| | Scrub oak | 17 | 16.81 | 6 | | 0.79 | 0.73 | |
| QM69-2M1 | Engelmann oak | 19 | 18.90 | 6 | 0.75 | 0.63 | 0.59 | Isagi & Suhandono, 1997 |
| | Scrub oak | 24 | 22.37 | 11 | | 0.90 | 0.83 | |

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