Supplementary material

Identifying evolutionary lineages in the *Elaeocarpus obovatus* complex: population genetics and morphometric analyses support a new subspecies, *Elaeocarpus obovatus* subsp. *umbratilis*, from northern Queensland, Australia

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Table S1. Nuclear microsatellite markers, repeats, sequences and annealing temperature employed in the polymerase chain reaction assays in this study

Size given in the length excluding the 5′M13 universal primer sequences

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Table S2. Error rate for each locus across all the entities

Polymerase chain reaction (PCR) amplification failure is of 181 samples. The numbers in the parentheses indicate the numbers of samples that showed more than four peaks.

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Table S3. Evidence of polyploidy based on allele peak counts of the microsatellites for each locus and POLYSAT ploidy assessment

‘–9’ indicates missing data. See Table 1 in the main paper for the population codes.

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*Manipulated to adjust to the minimum ploidy level of two.*
Table S4. Characteristics of the six nuclear microsatellite loci used in this study for *Elaeocarpus arnhemicus*, *E. obovatus* and *E. sp. Mt Bellenden Ker*

Results for *E. coorangooloo*, ADC and BDC are not shown, because samples sizes are smaller than five. s.d., standard deviation. *N*, sample size; *S*, range of allele sizes (bp); *uA*, unbiased mean number of alleles per locus (mean number of alleles per locus *A*, averaged by the number of samples in the population, *N*); *uAr*, unbiased mean number of unique alleles per locus (mean number of unique alleles per locus *A*, averaged by the number of samples in the population, *N*); *P* ≥ 2*A*, proportion of individuals with two or more alleles per locus; *R*, range of alleles per individual

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<td><em>uA</em> (<em>P</em> ≥ 2<em>A</em>)</td>
<td><em>uAr</em></td>
<td><em>R</em></td>
<td><em>N</em></td>
<td><em>S</em></td>
<td><em>uA</em> (<em>P</em> ≥ 2<em>A</em>)</td>
<td><em>uAr</em></td>
<td><em>R</em></td>
<td><em>N</em></td>
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*Three alleles were found in individuals from BWT at scu20Eg & scu25Eg.*