

## SUPPLEMENTARY DATA

Table S1. Characteristics of haplotypes detected with four chloroplast microsatellites in *Eucalyptus gomphocephala*.

Haplotype	Individuals	Allele size per primer locus (in bp)			
		EMCRC59cp	EMCRC60cp	EMCRC65cp	EMCRC67cp
A	19 (8.0 %)	244	199	246	241
B	12 (5.0 %)	245	199	247	241
C	40 (16.8 %)	242	199	246	238
D	63 (26.0 %)	244	199	246	242
E	10 (4.2 %)	244	200	246	242
F	94 (39.5 %)	244	199	245	242

Table S2. Matrix of pairwise  $F_{ST}$  values (lower diagonal) and probability values of significance based on 1000 permutations (upper diagonal) for 24 *Eucalyptus gomphocephala* populations included in this study. Numbers in bold indicate  $F_{ST}$  was significantly different from 0 at  $P < 0.005$  after pairwise Bonfferoni correction.

	SB	NB	BT	ML	SBR	GD	MRG	YA	NE	BP	PG	WP	TT	S10	WH	QU	DO	PR	LE	MB	LD
SB		<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
NB	0.073		<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
BT	0.063	0.053		<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
ML	0.068	0.052	0.052		<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
SBR	0.037	0.035	0.03	0.031		0.008	0.002	0.003	0.102	0.02	0.011	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
GD	0.033	0.046	0.039	0.058	0.015		0.004	0.002	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
MRG	0.045	0.068	0.045	0.029	0.016	0.023		<b>0.001</b>	0.013	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
YA	0.049	0.034	0.037	0.036	0.018	0.025	0.029		0.004	0.009	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
NE	0.043	0.040	0.034	0.025	0.006	0.032	0.012	0.014		0.013	0.014	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
BP	0.060	0.051	0.039	0.047	0.011	0.034	0.032	0.014	0.011		0.11	0.008	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
PG	0.069	0.050	0.051	0.047	0.012	0.035	0.038	0.026	0.012	0.006		0.002	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
WP	0.067	0.082	0.056	0.061	0.043	0.065	0.059	0.030	0.032	0.014	0.025		<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
TT	0.067	0.054	0.029	0.060	0.034	0.033	0.051	0.044	0.036	0.030	0.025	0.051		0.006	0.012	<b>0.001</b>	<b>0.001</b>	0.005	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
S10	0.102	0.077	0.046	0.066	0.038	0.060	0.056	0.066	0.040	0.037	0.027	0.062	0.016		0.008	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
WH	0.085	0.056	0.048	0.066	0.040	0.046	0.059	0.053	0.038	0.050	0.031	0.059	0.012	0.013		<b>0.001</b>	<b>0.001</b>	0.042	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
QU	0.108	0.088	0.043	0.081	0.050	0.080	0.067	0.071	0.052	0.048	0.050	0.074	0.024	0.024	0.043		<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
DO	0.142	0.098	0.112	0.114	0.069	0.098	0.111	0.081	0.059	0.058	0.040	0.070	0.073	0.069	0.063	0.101		<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>
PR	0.087	0.057	0.057	0.049	0.048	0.063	0.063	0.05	0.042	0.048	0.034	0.063	0.015	0.019	0.01	0.039	0.078		<b>0.001</b>	<b>0.001</b>	0.008
LE	0.109	0.094	0.079	0.102	0.061	0.093	0.081	0.089	0.052	0.068	0.061	0.096	0.049	0.039	0.053	0.045	0.112	0.048		<b>0.001</b>	<b>0.001</b>
MB	0.085	0.063	0.068	0.066	0.050	0.068	0.052	0.049	0.034	0.050	0.041	0.073	0.035	0.053	0.047	0.034	0.100	0.033	0.041		<b>0.001</b>
LD	0.090	0.057	0.065	0.065	0.046	0.063	0.061	0.054	0.038	0.043	0.043	0.068	0.027	0.030	0.026	0.037	0.096	0.014	0.036	0.020	

Table S3. Analysis of Molecular Variance.

Source	d.f.	SS	MS	Est. Var.	%
Among Pops	20	220.64	11.03	0.14	5
Among Indiv	576	1643.91	2.85	0.17	6
Within Indiv	597	1497.50	2.51	2.51	89
Total	1193	3362.06		2.83	100