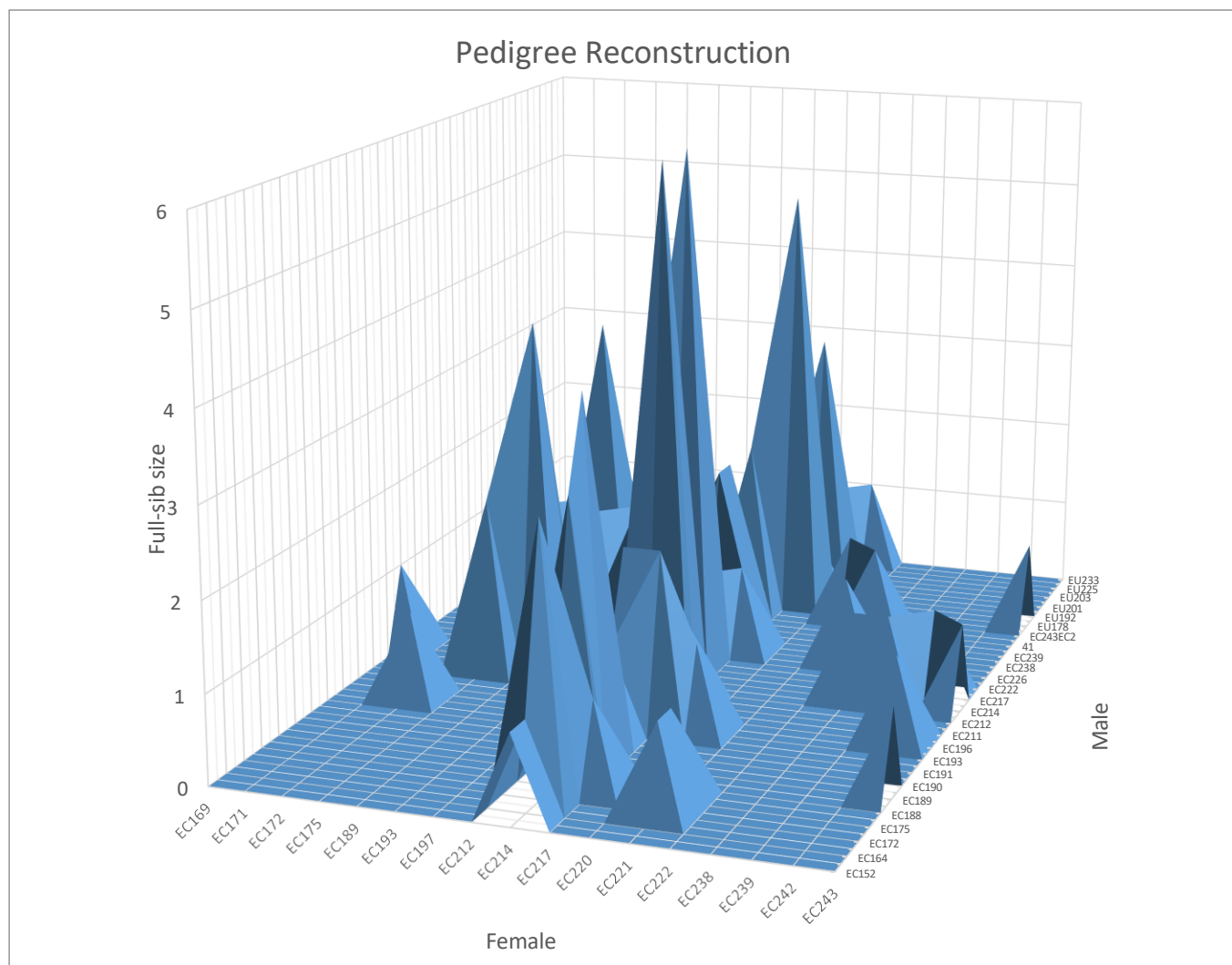


Supplementary Table S1. Genetic diversity measures of nine microsatellite loci tested in the parent and offspring of the *E. camaldulensis* and *E. urophylla* hybridisation orchard.

Locus	N_a	H_o	H_e	PIC	combined non- exclusion probability (first parent)	combined non- exclusion probability (Second parent)	combined non- exclusion probability(Parent pair)
IME3301	18	0.84	0.87	0.86			
IME3293	12	0.88	0.85	0.83			
IME3281	9	0.84	0.82	0.80			
IME3156	23	0.89	0.91	0.90	4.03E-05	2.40E-07	4.90E-12
IME3282	20	0.88	0.91	0.90			
IME3292	12	0.89	0.86	0.84			
IME3300	7	0.83	0.77	0.73			
IME3296	20	0.88	0.94	0.93			
IME3310	13	0.89	0.86	0.84			
Average	14.89	0.87	0.87	0.85			

N_a , number of allele; H_o , observed heterozygosity; H_e , expected heterozygosity; PIC, polymorphic information content.



Supplementary figure 1. Mating dynamics in an *E. camaldulensis* and *E. urophylla* hybridization orchard revealed by pedigree reconstruction from random samples of progenies with unknown parental information using nine microsatellite markers. Each column represents the size of a unique full-sib family (vertical axis)