Table S2B.
BROAD TIME MODELS –
Scorodophloeus zenkeri

		NORTH WEST					WEST					SOUTH WEST					EAST				
PARAMETER	PRIOR DISTRIBUTION	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2
N_e	Uniform (1,000-50,000)	2.45E+04	3.36E+03	4.86E+04	0.123	1.000	2.17E+04	2.81E+03	4.77E+04	0.758	0.748	1.85E+04	3.97E+03	4.70E+04	0.936	0.698	1.83E+04	1.94E+03	4.70E+04	0.961	0.716
N_1	Uniform (10-500)	1.86E+02	2.40E+01	4.40E+02	0.284	1.000	2.94E+02	5.82E+01	4.90E+02	0.431	0.798	3.23E+02	4.45E+01	4.94E+02	0.847	0.756	2.79E+02	4.74E+01	4.88E+02	0.594	0.814
t1	Uniform (0-1900)	1.46E+03	7.33E+02	1.88E+03	0.367	1.000	1.43E+03	6.17E+02	1.89E+03	0.167	0.912						1.45E+03	6.51E+02	1.88E+03	0.209	0.922
t0	Uniform (0-1900)	6.54E+02	1.71E+02	1.41E+03	0.274	1.000	8.93E+02	2.04E+02	1.64E+03	1.624	0.646	9.88E+02	1.79E+02	1.85E+03	0.865	0.742	8.66E+02	1.57E+02	1.65E+03	1.319	0.682
Mean μ	Logit (1E-05-1E-03)	5.97E-04	2.16E-04	9.76E-04	0.417	1.000	4.50E-04	8.56E-05	9.49E-04	0.704	0.586	5.15E-04	2.13E-04	9.42E-04	0.468	0.672	4.42E-04	8.41E-05	9.49E-04	0.728	0.578
Mean P	Uniform (0.1-0.5)	3.83E-01	2.02E-01	5.00E-01	0.106	0.998	3.25E-01	1.22E-01	4.85E-01	0.117	0.930	4.43E-01	3.31E-01	5.00E-01	0.060	0.972	3.99E-01	1.57E-01	4.97E-01	0.143	0.946
Ne*Mean μ		1.44E+01	2.04E+00	3.89E+01	0.554	0.954	8.86E+00	1.41E+00	3.16E+01	1.258	0.506	9.42E+00	1.93E+00	3.18E+01	1.464	0.564	7.05E+00	1.10E+00	2.79E+01	1.281	0.504
N_1*Mean μ		1.10E-01	1.11E-02	3.00E-01	0.812	0.962	1.31E-01	1.38E-02	3.65E-01	1.208	0.508	1.62E-01	2.26E-02	3.69E-01	0.991	0.676	1.23E-01	1.07E-02	3.53E-01	1.379	0.502
t1*Mean μ		8.57E-01	3.12E-01	1.61E+00	0.952	0.6	6.33E-01	1.10E-01	1.51E+00	0.763	0.588	4.49E-01	1.22E-01	9.63E-01	0.346	0.834	6.26E-01	1.11E-01	1.53E+00	0.857	0.576
t0*Mean μ		3.44E-01	1.25E-01	7.07E-01	0.798	0.838	3.48E-01	7.50E-02	8.45E-01	0.678	0.752						3.27E-01	6.20E-02	8.19E-01	0.823	0.726

Mean mean posterior distribution; q0.25 quantile 2.5%; q9.75 quantile 97.5%

Ne, N1 effective population sizes; t1' start of PGM; t0' end of PGM.

Time priors and posterior probabilities are given in generations

Greenwayodendron suaveolens

		NORTH WEST					SOUTH WEST					NORTH EAST					SOUTH EAST				
PARAMETER	PRIOR DISTRIBUTION	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2
N_e	Uniform (1,000-50,000)	35800.00	1.32E+04	4.94E+04	0.951	0.72	3.23E+04	1.16E+04	4.92E+04	0.657	0.696	2.72E+04	9.10E+03	4.85E+04	0.602	0.726	3.04E+04	8.32E+03	4.91E+04	0.734	0.746
N_1	Uniform (10-500)	2.50E+02	3.67E+01	4.85E+02	0.63	0.782	3.63E+02	7.60E+01	4.96E+02	0.896	0.756	3.64E+02	7.66E+01	4.96E+02	0.692	0.78	2.16E+02	2.74E+01	4.76E+02	0.546	0.786
t1	Uniform (0-1900)	1.58E+03	7.89E+02	1.89E+03	0.164	0.92											1.56E+03	7.82E+02	1.89E+03	0.185	0.928
t0	Uniform (0-1900)	1.00E+03	2.39E+02	1.71E+03	1.017	0.688	1.51E+03	7.45E+02	1.89E+03	1.709	0.726	1.54E+03	8.06E+02	1.89E+03	1.298	0.744	1.02E+03	2.83E+02	1.70E+03	1.792	0.656
Mean μ	Logit (1E-05-1E-03)	7.79E-04	3.92E-04	9.93E-04	0.907	0.544	8.63E-04	6.13E-04	9.95E-04	0.583	0.686	8.61E-04	6.10E-04	9.95E-04	0.489	0.698	7.32E-04	2.99E-04	9.91E-04	0.788	0.588
Mean P	Uniform (0.1-0.5)	4.94E-01	4.74E-01	5.00E-01	0.161	0.922	4.93E-01	4.67E-01	5.00E-01	0.09	0.962	4.72E-01	3.82E-01	5.00E-01	0.082	0.978	4.83E-01	4.17E-01	5.00E-01	0.141	0.932
Ne*Mean μ		2.74E+01	1.08E+01	4.53E+01	1.764	0.476	2.78E+01	1.02E+01	4.60E+01	1.472	0.544	2.33E+01	7.97E+00	4.42E+01	1.126	0.532	2.15E+01	6.86E+00	4.31E+01	1.034	0.562
N_1*Mean μ		1.94E-01	2.65E-02	4.26E-01	1.829	0.498	3.11E-01	6.72E-02	4.68E-01	1.354	0.614	3.12E-01	6.66E-02	4.68E-01	1.044	0.62	1.57E-01	1.81E-02	4.04E-01	1.389	0.52
t1*Mean μ		1.23E+00	4.92E-01	1.79E+00	1.009	0.57	1.29E+00	6.69E-01	1.78E+00	0.934	0.776	1.32E+00	7.08E-01	1.78E+00	0.503	0.78	1.14E+00	3.90E-01	1.77E+00	0.92	0.566
t0*Mean μ		7.66E-01	1.76E-01	1.40E+00	0.64	0.706											7.25E-01	1.84E-01	1.32E+00	0.958	0.676

lean mean posterior distribution; q0.25 quantile 2.5%; q9.75 quantile 97.5%

e, N1 effective population sizes; t1' start of PGM; t0' end of PGM.

ime priors and posterior probabilities are given in generations

Table S2C.
NARROW TIME MODELS -
Scorodophloeus zenkeri

		NW					WEST					SOUTH WEST					EAST				
PARAMETER	PRIOR DISTRIBUTION	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Facto
N_e	Uniform (1,000-50,000)	2.59E+04	4.22E+03	4.86E+04	0.827	0.746	3.11E+04	2.21E+04	4.78E+04	0.521	0.776	1.55E+04	3.32E+03	4.38E+04	0.355	0.82	1.72E+04	1.84E+03	4.60E+04	0.638	0.750
t0'	Uniform (1200-1300)	1.25E+03	1.20E+03	1.30E+03	0.001	1.000	1.20E+03	1.25E+03	1.30E+03	-0.002	1.000	1.25E+03	1.20E+03	1.30E+03	0.002	1.000	1.25E+03	1.20E+03	1.30E+03	0.001	1.000
N_1	Uniform (10-500)	1.46E+02	2.44E+01	4.05E+02	0.244	0.86	7.08E+02	2.79E+02	4.86E+02	0.343	0.828	3.05E+02	3.86E+01	4.93E+02	1.307	0.734	2.56E+02	5.61E+01	4.82E+02	0.333	0.822
t1'	Uniform (1400-1900)	1.69E+03	1.43E+03	1.89E+03	0.002	1.000	1.42E+03	1.66E+03	1.89E+03	0.006	1.000						1.66E+03	1.42E+03	1.89E+03	0.003	1.000
Mean μ	Logit (1E-05-1E-03)	3.12E-04	1.24E-04	6.52E-04	0.242	0.834	1.20E-03	3.44E-04	7.91E-04	0.156	0.904	4.35E-04	2.08E-04	8.18E-04	0.225	0.912	3.48E-04	1.01E-04	8.07E-04	0.355	0.770
Mean P	Uniform (0.1-0.5)	3.80E-01	1.84E-01	4.95E-01	0.151	0.944	1.20E-03	3.17E-01	4.82E-01	0.107	0.948	4.47E-01	3.37E-01	5.00E-01	0.053	0.982	4.02E-01	1.58E-01	4.99E-01	0.103	0.958
Ne*Mean μ		7.61E+04	1.60E+00	2.04E+01	0.485	0.698	1.44E+01	6.94E+00	2.18E+01	0.453	0.684	6.34E+00	1.48E+00	1.89E+01	0.445	0.762	5.10E+00	1.04E+00	1.79E+01	0.394	0.772
t0'*Mean μ		3.90E-01	1.55E-01	8.07E-01	0.242	0.834	1.50E-03	4.29E-01	9.88E-01	0.152	0.904	5.43E-01	2.59E-01	1.03E+00	0.227	0.91	4.35E-01	1.26E-01	1.01E+00	0.353	0.766
N_1*Mean μ		4.10E-02	8.00E-03	1.14E-01	0.341	0.76	2.47E-02	8.74E-02	2.12E-01	0.318	0.802	1.24E-01	2.05E-02	2.65E-01	1.372	0.71	8.09E-02	1.88E-02	2.11E-01	0.487	0.710
t1'*Mean μ		5.29E-01	2.04E-01	1.11E+00	0.258	0.816	1.87E-01	5.75E-01	1.36E+00	0.173	0.894						5.83E-01	1.56E-01	1.38E+00	0.375	0.746

Mean mean posterior distribution; q0.25 quantile 2.5%; q9.75 quantile 97.5%

Ne, N1 effective population sizes; t1' start of PGM; t0' end of PGM.

Time priors and posterior probabilities are given in generations

Greenwayodendron suaveolens

		NORTH WEST					SOUTH WEST					NORTH EAST					SOUTH EAST				
PARAMETER	PRIOR DISTRIBUTION	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2	mean	q025	q975	Mean	Factor 2
N_e	Uniform (1,000-50,000)	3.88E+04	1.81E+0	4.97E+0	0.761	0.734	3.28E+04	1.25E+04	4.93E+04	0.415	0.808	2.81E+04	9.92E+03	4.84E+04	0.289	0.84	3.19E+04	1.03E+04	4.93E+04	0.517	0.8
t0'	Uniform (1200-1300)	1.25E+03	1.20E+0	1.30E+0	-0.001	1	1.25E+03	1.20E+03	1.30E+03	-0.001	1	1.25E+03	1.20E+03	1.30E+03	0.001	1	1.25E+03	1.20E+03	1.30E+03	-0.001	1
N_1	Uniform (10-500)	2.25E+02	4.89E+0	4.75E+0	0.358	0.84	3.75E+02	1.04E+02	4.97E+02	0.948	0.736	3.82E+02	1.17E+02	4.97E+02	0.798	0.728	1.74E+02	3.02E+01	4.54E+02	0.297	0.852
t1'	Uniform (1400-1900)	1.71E+03	1.43E+0	1.89E+0	0.01	1											1.69E+03	1.42E+03	1.89E+03	0.007	1
Mean μ	Logit (1E-05-1E-03)	6.14E-04	2.52E-04	9.69E-04	0.339	0.772	8.74E-04	6.42E-04	9.95E-04	0.119	0.928	8.73E-04	6.41E-04	9.95E-04	0.149	0.946	7.24E-04	3.61E-04	9.81E-04	0.552	0.688
Mean P	Uniform (0.1-0.5)	4.95E-01	4.78E-01	5.00E-01	0.095	0.948	4.93E-01	4.68E-01	5.00E-01	0.084	0.982	4.74E-01	3.85E-01	5.00E-01	0.087	0.978	4.84E-01	4.25E-01	5.00E-01	0.082	0.974
Ne*Mean μ		2.35E+01	9.18E+0	4.30E+0	0.431	0.758	2.85E+01	1.10E+01	4.58E+01	0.37	0.772	2.43E+01	8.73E+00	4.41E+01	0.297	0.822	2.27E+01	7.89E+00	4.27E+01	0.384	0.774
t0'*Mean μ		7.64E-01	3.14E-01	1.21E+0	0.338	0.772	1.09E+00	8.07E-01	1.27E+00	0.118	0.928	1.09E+00	7.97E-01	1.27E+00	0.149	0.95	9.04E-01	4.49E-01	1.23E+00	0.548	0.688
N_1*Mean μ		1.31E-01	3.04E-02	3.33E-01	0.537	0.688	3.26E-01	9.49E-02	4.69E-01	0.875	0.686	3.31E-01	1.05E-01	4.70E-01	0.746	0.7	1.19E-01	2.42E-02	3.21E-01	0.672	0.638
t1'*Mean μ		1.06E+00	4.00E-01	1.75E+0	0.371	0.762											1.23E+00	5.62E-01	1.77E+00	0.579	0.684

Mean mean posterior distribution; q0.25 quantile 2.5%; q9.75 quantile 97.5%

Ne, N1 effective population sizes; t1' start of PGM; t0' end of PGM.

Time priors and posterior probabilities are given in generations

Table S3. Pairwise genetic differentiation between intraspecific $_{n}$SSR genetic clusters of *Scorodophloeus zenkeri* and *Greenwayodendron suaveolens*.

G. suaveolens				
NORTH EAST				
SOUTH EAST	0.0387			
NORTH WEST	0.1370	0.1504		
SOUTH WEST	0.0472	0.0879	0.1214	
S. zenkeri				
SOUTH WEST				
WEST	0.0731			
CONGO	0.2268	0.2146		
EAST	0.1272	0.0877	0.1865	
NORTH WEST	0.1588	0.1646	0.2264	0.1347

Table S4 Allelic patterns across individuals

Greenwayodendron suaveolens	NORTH WEST	WEST	NORTH EAST	SOUTH EAST
Na	16.4	17.1	18.6	17.4
Na Freq. >= 5%	3.9	6.1	5.6	5.4
Ne	6.4	6.8	7.1	5.3
I	1.9	2.1	2.3	1.9
No. Private Alleles	2.1	2.1	1.6	1.4
No. LComm Alleles (<=25%)	0.0	0.0	0.0	0.0
No. LComm Alleles (<=50%)	2.0	2.0	2.0	2.3
He	0.7	0.8	0.8	0.8
uHe	0.7	0.8	0.8	0.8
% Private Alleles	13.0	12.4	8.7	7.9

Scorodophloeus zenkeri	NORTH WEST	WEST	SOUTH WEST	EAST	CONGO
Na	6.5	8.3	8.3	8.7	5.4
Na Freq. >= 5%	3.5	3.8	3.7	4.3	3.6
Ne	2.7	3.3	2.9	3.8	2.7
I	1.1	1.4	1.3	1.4	1.1
No. Private Alleles	0.5	0.5	1.0	1.1	0.5
No. LComm Alleles (<=25%)	0.0	0.0	0.0	0.0	0.0
No. LComm Alleles (<=50%)	1.0	0.9	0.9	0.9	0.7
He	0.5	0.6	0.6	0.6	0.5
uHe	0.5	0.6	0.6	0.6	0.5
% Private Alleles	7.7	6.0	12.1	12.6	9.3

I = Shannon's Information Index = -1* Sum (pi * Ln (pi)); No. Private Alleles = No. of Alleles Unique to a Single Population;
uHe = Unbiased Expected Heterozygosity = (2N / (2N-1)) * He

Table S5. Posterior probability distributions of demographic parameters for the most likely scenario implemented with DIYABC. Time parameters are given in Kyr BP (1 generation= 100 years). (A) BROAD TIME MODELS: bottleneck and/or expansion from the beginning of the Penultimate Glacial Maxima (PGM, 190 Kyr-0 yr BP) to the present; (B) NARROW TIME MODELS: bottleneck and/or expansion during/after the PGM (190-120 Kyr BP).

	A. BROAD TIME MODELS				**B. NARROW TIME MODELS**			
	N_e	**N_1**	**Bottleneck**	**Expansion**	**$N_{e'}$**	**$N_{1'}$**	**Bottleneck'**	**Expansion'**
Scorodophoeus zenkeri								
NORTH WEST	24500 [3360,48600]	186 [24,440]	146 [73,188]	65.4 [17.1,141]	25900 [4220,48600]	146 [24.4,405]	169 [143,189]	125 [120,130]
WEST	21700 [2810,47700]	294 [58.2,490]	143 [62,189]	89.3 [20.4,164]	22100 [3110,47800]	279 [70.8,486]	166 [142,189]	125 [120,130]
SOUTH WEST	18500 [3970,47000]	323 [44.5,494]		98.8 [17.9,185.0]	15500 [3320,43800]	305 [38.6,493]		125 [120,130]
EAST	18300 [1940,47000]	279 [47.4,488]	145 [65,188]	86.6 [15.7,165.0]	17200 [1840,46000]	256 [56.1,482]	166 [142,189]	125 [120,130]
Greenwayodendron suaveolens								
NORTH WEST	35800 [13200,49400]	250 [3.67,485]	158 [78.9,189]	100 [23.9, 171]	38800 [18100, 49700]	225 [48.9,475]	171 [143,189]	125 [120,130]
SOUTH WEST	32300 [11600, 49200]	363 [7.60,496]		151 [74.5,189]	32800 [12500,49300]	375 [104,497]		125 [120,130]
NORTH EAST	27200 [9100, 48500]	364 [7.66,496]		154 [80.6,189]	28100 [9900,248400]	382 [11.7,497]		125 [120,130]
SOUTH EAST	30400 [8320, 49100]	216 [2.74,476]	156 [78.2, 189]	102 [28.3,170]	31900 [10300,49300]	174 [30.2,454]	169 [142,189]	125 [120,130]

Posterior distribution: Mean (Quantile 2.5%-Quantile 97.5%)

N_e N_1-effective population sizes; Bottleneck-start time of bottleneck in Kyr BP; Expansion-start time of expansion event in Kyr BP

Prior distributions for Broad Time Models: Ne Uniform (1,000-50,000); N1 Uniform (10-500); t1=t0 uniform (0-1900) , t0 (0-1900), t0<t1, from the start of the PGM to the present.

Prior distributions for Narrow Time Models: Ne Uniform (1,000-50,000); N1 Uniform (10-500); t1' (1400-1900); t0' (1200-1300), time priors given in generations, t1' corresponds to the start of PGM; t0' corresponds to the end of PGM

Time priors are given in generations; time posterior probabilities are given in Kyr BP (generation= 100 years)