

Supplementary Material

***Nothofagus* trees show genotype difference that influence infection by mistletoes, Misodendraceae**

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Table S1. Allele frequencies for *Nothofagus antarctica* populations segregated by their infection status (UI uninfected by *Misodendrum*, I infected by both or one of the species of *Misodendrum*)

Locus	Espejo UI	Espejo I	Guillermo UI	Guillermo I	Steffen UI	Steffen I	UI	I
Mdh								
(N)	23	57	10	70	17	41	50	168
1	0.043	0.158	0.45	0.214	0	0	0.11	0.143
2	0.957	0.825	0.55	0.786	1	1	0.89	0.851
3	0	0.018	0	0	0	0	0	0.006
Pgi1								
(N)	23	57	9	68	17	41	49	166
1	1	1	1	1	1	1	1	1
Pgi2								
(N)	23	57	10	70	17	41	50	168
1	1	0.965	1	0.936	0.882	0.976	0.96	0.955
2	0	0.035	0	0.064	0.118	0.024	0.04	0.045
Idh1								
(N)	15	43	6	32	17	41	38	116
1	1	1	1	1	1	1	1	1
Idh2								
(N)	22	55	10	67	17	41	49	163
1	1	0.918	1	1	1	0.976	1	0.966
2	0	0.082	0	0	0	0.024	0	0.034
6Pgd1								
(N)	8	7	7	31	9	19	24	57
1	0.125	0	0	0.016	0	0	0.042	0.009
2	0.875	1	1	0.984	1	1	0.958	0.991

6Pgd2									
(N)	23	46	7	30	17	41	47	117	
1	0.022	0	0	0	0	0	0.011	0	
2	0.978	1	1	1	1	1	0.989	1	
Per									
(N)	21	53	10	70	17	38	48	161	
1	0.262	0.17	0.05	0.143	0.118	0.289	0.167	0.186	
2	0.619	0.736	0.85	0.586	0.588	0.329	0.656	0.575	
3	0.095	0.075	0.1	0.229	0.294	0.382	0.167	0.214	
4	0.024	0.019	0	0.043	0	0	0.01	0.025	
Me									
(N)	18	40	2	36	7	20	27	96	
1	1	1	1	0.958	1	1	1	0.984	
2	0	0	0	0.042	0	0	0	0.016	
Skdh									
(N)	23	57	3	47	17	41	43	145	
1	0	0	0	0.011	0	0	0	0.003	
2	0.978	0.965	1	0.968	1	0.927	0.988	0.955	
3	0.022	0.035	0	0.021	0	0.073	0.012	0.041	
Adh1									
(N)	19	41	2	45	17	41	38	127	
1	1	1	1	1	0.941	0.878	0.974	0.961	
2	0	0	0	0	0.059	0.122	0.026	0.039	
Adh2									
(N)	23	57	2	44	9	24	34	125	
1	0	0.035	0	0	0	0	0	0.016	
2	1	0.965	1	1	1	1	1	0.984	