

Table 1 Suppl. Microsatellite primers used for the evaluation of genetic stability in plants of *Magnolia dealbata* derived from somatic embryos. Values of genetic diversity correspond to adult individuals of the population of Chilijapa, Hidalgo in Mexico (unpublished data). N - sample size, N_A - null alleles, N_a - number of alleles, H_o - observed heterozygosity, H_e - expected heterozygosity, HW - Hardy-Weinberg test, LD - linkage disequilibrium (* - $P < 0.05$, ns - non-significant).

Locus	Repeat motif	Forward	Reverse	N	N _A	N _a	H _o	H _e	HW	LD
Mmc059	(AG) ₂₂	CATCTACACTAGGCGCAGGG	TGGCTGTCATCCTCATGCTC	10	0.02	11	0.90	0.86	ns	ns
Mmc001	(AG) ₂₀	ACGAACCTGCTGTGACTGAG	CGCATAAGAACGCTGCTTCC	10	0.08	7	0.60	0.73	*	ns
Mmc277	(AG) ₂₄	GCACGTGTGATGGAAACCTC	ATGAGCCAGCACAAAGTACCC	10	0.09	4	0.50	0.61	ns	ns
Mmc493	(AG) ₁₉	AGACGTCCGGTTGAAGTGTG	CAAGCCCGGCCTATTGTTGA	10	0.05	4	0.40	0.47	ns	ns
Mmc051	(AG) ₂₄	AAATTTCGCTGTCCGCACATG	GCCAAAGGGTTAGTCCTGCT	10	0.00	11	0.90	0.89	ns	ns
Mmc182	(AG) ₂₃	TCGGGCCCAACATGTGTAAT	AACTGGTTCGTAGGTGAGCG	10	0.18	4	0.40	0.65	*	ns

Table 2 Suppl. Initial genotypes of three explants of *Magnolia dealbata* obtained in the first cycle induction of somatic embryogenesis (10 samples for each explant and treatment with 2,4-D). Alleles identified with six microsatellites loci.

Locus	2.26 uM 2,4-D			4.52 uM 2,4-D		
	Explant 1	Explant 2	Explant 3	Explant 1	Explant 2	Explant 3
Mmc059	139/141, 141/141	143/145	141/143	139/161	109/141	143/149
Mmc001	100/106	112/114	100/100	100/106	112/112	100/112
Mmc277	64/64	54/64	54/54	54/54	54/64	54/64
Mmc493	99/99	99/99	99/99	99/99	99/99	99/101
Mmc051	219/219	217/217	191/191	219/219	235/255, 235/237	191/191
Mmc182	123/123	111/113	111/141	123/123	111/111	111/113