

Table S2. Null allele frequencies for the microsatellite loci developed for *Gracilaria vermiculophylla*. Frequencies were directly estimated in the haploid subpopulations, whereas frequencies in each of the diploid subpopulations at Akkeshi, Elkhorn Slough, Fort Johnson and Nordstrand were calculated using maximum likelihood and the software MLNullFreq (Kalinowski & Taper 2006).

Locus	Elkhorn		Akkeshi	Fort Johnson	Nordstrand
	Haploids	Diploids	Diploids	Diploids	Diploids
Gverm_5276	0	0.185	0	0	0
Gverm_6311	0	0.161	0	0	0
Gverm_8036	0	0.115	0	0	0
Gverm_3003	0	0.125	0	0	0
Gverm_1203	0	0	0	0	0
Gverm_1803	0.019	0.207	0.115	0	0
Gverm_804	0	0	0	0	0
Gverm_10367	0	0	0	0	0
Gverm_2790	0.019	0	0	0	0