

Table S2. Association analysis of allele frequencies at *WsPpdrg1* between high and low critical photoperiod individuals in an F26 generation from a cross of a northern individual with a southern individual. The lines and alleles are as described in Mathias et al. (2007, Genetics 176:391 – 402). The analysis is performed separately for III instar and IV instar larvae and is a Chi-squared test of independence with 1 degree of freedom using the Yates correction for continuity (Sokal and Rohlf. 1995, Biometry).

Stage of Diapause	Short CPP		Long CPP		$\chi^2$	P
	Southern Allele	Northern Allele	Southern Allele	Northern Allele		
III	28	4	11	13	9.38	0.002
IV	30	0	21	11	10.30	0.001