

**Table S2. Cytogenetic evidence for presence of reciprocal translocations associated with the *P1P2* alleles.**

Number of diakinesis nuclei with rings and chains of four chromosomes observed in sporocytes from plants of the indicated genotypes.

Genotype	Plant number	Diakinesis cells with a ring of 4	Diakinesis cells with a chain of 4
<i>P1P2-2/p1-ww[4Co63]</i>	S11-261.2	5	4
	S11-261.7	6	ND*
	S11-261.9	5	ND
	S11-262.1	3	2
	S11-262.2	3	2
	S11-262.4	5	ND
<i>P1P2-6/p1-ww[4Co63]</i>	S11-263-5	1	3
	S11-263-6	6	1
	S11-263-9	5	1
	S11-263-10	5	1
	S11-263-11	2	3
	S11-263-12	5	1

\*ND, not determined. Initial analyses did not record cells with chains of four.