

Supplemental Table 1. PCR-based molecular markers developed for this study

Marker Name	Enzyme	Fragment Sizes (bp)		Primer sequence
For mapping				
		Ler	Col	
<i>MQP15(CAPS)</i>	Hind III	1128	871, 257	Forward: ATCTCCAATCTCAAATCTCC Reverse: ATGTAGCACTAAGAAACCAGCC
<i>MXE2(CAPS)</i>	Hinf I	551, 322, 63	614, 322	Forward: CGATAGCATAGATGTTTCAAGC Reverse: AAGGAAATACAACGCTTAGTCG
<i>MMG15(CAPS)</i>	Sac I	705,613,134	839, 613	Forward: CGGCAGTGGTGTGATTTACAG Reverse: TACAACAAAACACAAAGCCC
<i>MOJ10a(CAPS)</i>	BstU I	1488	1244, 244	Forward: AGTAAGCCAGCGAAAAAGAAGG Reverse: CACGACCGTTGTTCTTGAATGG
<i>MOJ10i(CAPS)</i>	EcoR I	611, 565, 111	676, 611	Forward: CTGTGAAATCAGCCCCTCAT Reverse: CGTTTCGATTGGATGGAATT
<i>MOJ10s(SSLP)</i>		99	113	Forward: GGTTTAGCTTTAGACTCGGTTT Reverse: AGGTCTAAGTTTTGAAATTTTATCAT
For genotyping				
		Ler	Mutant	
<i>tso1-1(dCAPS)</i>	AlwN I	130	150	Forward: GCAAGAAATCAAAGTGTATGAACAGATACT Reverse: GACTCCACCCTACAAGATCA
<i>tso1-3(dCAPS)</i>	BsmF I	80	100	Forward: TGTTTTGGCTACCCGCAAACAGATTGAGTCC Reverse: GAGAGCTCTTACACTAGCTTCCA
<i>tso2-1(dCAPS)</i>	Mbo II	62	90	Forward: AAGAAGTAGATCTATCAGAA Reverse: AGAAAGCGAGGACGTGTTTG
<i>tso2-2(CAPS)</i>	Kpn I	599, 521	1120	Forward: AGCATCAAACAAACGCTCT Reverse: AATCCCTTCAAAGATGCCTTC
<i>tso2-3(CAPS)</i>	Hha I ^a	532, 300, 145	852, 145	Same as above Reverse: AACCTTAGAGAAGCATC
<i>mr2a-1(CAPS)</i>	PflM I	785, 154	939	Forward: TTTGCTGTGAGGCTGGTCGCTTTT Reverse: CTTCCAGATTCGATGGCGGATTCA
<i>mr2b-1(CAPS)</i>	Hae III	600, 600	1200	Forward: CGATTAAATCTTCTTACCGGA Reverse: GGCTCCAATCCTTTTTGGAT

a. Hha I produces three additional fragments (71,63,10) in both *Ler* and *tso2-3*.