

**Supple. Table 1.** List of SSR primers used for identification of homozygous diploid plants

SSR locus		Sequence (5'→3')
Gtm01	F	ATGCTGATTTTGGGCTTTTGAAAGTA
	R	AAAGGGAAGTATGCAAGTTTGCCAAT
Gtm12	F	TGCACAAACATATACTTAATACACTTGC
	R	CAAAACAACACTACCATAACCCCTTCA
Gtm26	F	GATCTGTTGAAAAATGTTGAGCATGG
	R	TTATGTGCATCGACCGAACACAAC
Gtm30	F	ACCAGATGAACAAGGTTGGTTTGT
	R	GCCAAACAAGTTCCTTAGTGTAGGCA
Gtm35	F	CAGCAGATAGAACCTAGGACCTTCCA
	R	TTGGTCACTTTGAGATGGAAACTGA
Gtm68	F	TGATGGGCAGTTTTCCTTTGTA
	R	GGTTCAAATCCAGTGCCAAATA
Gtm73	F	GGAACAGGGAACCAGAACCTAAAA
	R	GGCCTCCTGCCTGCTAGATG
Gtm86	F	CTAATGTAGGACTGAATGACCCG
	R	GCAAGAAGTAAAACGTAAAGCCTG