

Appendix Primer sequences.

Primer name	Sequence	Note
Bt1747-F	TTCACTCGGTAACATCGTGG	Tail-PCR
AD ₂	AGTGNA GAANCAAAGG3	Tail-PCR
AD ₅	NGTCGA(G/C)(A/T)GANA(A/T)GAA	Tail-PCR
AD ₇	TG(A/T)GNAG(A/T)ANCA(G/C)AGA	Tail-PCR
MHL2714-F	ACGGAGGTCAATGGAATCAC	The adjacent upstream region of the insertion
Act266-R	GCAAACGAACTTAAAACCCG	The adjacent upstream region of the insertion
MHR1883-R	CCTCATACGAACCTGGCACT	The adjacent downstream region of the insertion
Puc2249-F	ATAATACCGCGCCACATAGC	The adjacent downstream region of the insertion
Bt-F	TCGAGACGTTA GCGTGTTTG	Detection of <i>Bt</i> gene, foreground selection
Bt-R	AAGTAACCGAAATCGCTGGA	Detection of <i>Bt</i> gene, foreground selection
T511-F	AGCAGAACTTTAACCCCGAA	Detection of TT51 transgenic event
T511-R	AGAGCCTCGTTGGATTTCTTACAT	Detection of TT51 transgenic event
Homo-F	TGGCGAAGAGTGGTGGTA	Identification of <i>Bt</i> -homozygote
Homo-R	TGGGCTTTAGGAACTTTAGGG	Identification of <i>Bt</i> -homozygote
RM24985-F	CACCTCCTCTCTCCTCTCTATCTTCC	Identification of <i>Bt</i> II-32A/B
RM24985-R	TATAAGGGCTTTCGGATGGATGG	Identification of <i>Bt</i> II-32A/B
RM25013-F	ACTGAGGTGAGGAGGTGATTTTCG	Identification of <i>Bt</i> II-32A/B
RM25013-R	CGAATGGTGATGACTACCACTGC	Identification of <i>Bt</i> II-32A/B
RM25181-F	AAAGAGCTTCCCTAATGGCTTCG	Identification of <i>Bt</i> II-32A/B
RM25181-R	GAGAGAATGACCTCTCCCAAGACC	Identification of <i>Bt</i> II-32A/B
RM25190-F	TCACTGGCCTTCTAGCAACTTGG	Identification of <i>Bt</i> II-32A/B
RM25190-R	GTGGAATATAATGGGCCTACTCTCG	Identification of <i>Bt</i> II-32A/B

Appendix B Pollen fertility of 85015-8A.

Line	Total number of pollen grain	Stained pollen	Pollen abortion (%)
II-32A	350	5	98.57
	325	0	100.00
	280	2	99.29
			99.29 ± 0.71
85015-8A	310	0	100.00
	300	3	99.00
	288	2	99.31
			99.44 ± 0.51