

Table 1 Suppl. A primer list. The sequences of enzyme sites are underlined. RT-qPCR - reverse transcription quantitative PCR.

	Primer name	Primer sequence
Promoter constructs primers	ZmMYB30 promoter-FL-F	<u>AAGCTT</u> CAGACTTTACCATCGTCAAG
	ZmMYB30 promoter-D1-F	<u>AAGCTT</u> TTACGCGCTACAACACACAC
	ZmMYB30 promoter-D2-F	<u>AAGCTT</u> GTCTATAGACACTTTAGCACC
	ZmMYB30 promoter-D3-F	<u>AAGCTT</u> GGATGAAAACGGTCGGAAAC
	ZmMYB30 promoter-FL-R	<u>GGATCCT</u> GCGTGCGTGGTGTGGTTTCAG
	ZmMYB30 promoter-D4-R (400 bp deletion)	<u>GGATCCT</u> TACAGCTGGCTACGGGGACAC
	ZmMYB30 M-F	GATGGGTCaaccGGTGGGGTTCGTGAGCGG
RT-qPCR primers	ZmMYB30 M-R	ACCCACCCgggtGACCCATCCGTCCGTTGGTC
	QZmSOS1-F (GRMZM2G098494)	GCTTTTGGTGAACTAAGGGATG
	QZmSOS1-R	GATGCTCTGGCTCATAGTCTAG
	QZmSOS2-F (GRMZM2G171507)	TGAAAATGTCAGCCTAGACGAT
	QZmSOS2-R	GCAATCATCTCAAAGGCATTCA
	QZmABF3-F (GRMZM2G157722)	CTCCATCTTTTTTCGGCAACTTT
	QZmABF3-R	ATGACAGATCCTCATCGCTCTT
	ZmMYB30 5'-2F (GRMZM2G087955)	TTCTCTTCCACCACATCCTTGG
	ZmMYB30 5'-2R	GACGCCGCCATGTTTTACTC
	ZmActin8-F (GRMZM2G126190)	GCATCCATGAGACCACCTACAAC
	ZmActin8-R	GATGGACCCTCCTATCCAGACAC
	AtActin2-F (AT3G18780)	GCCATCCAAGCTGTTCTCTC
	AtActin2-R	GCTCGTAGTCAACAGCAACAA
	GUS QPCR3F	AGGTGGTTGCAACTGGACAA
	GUS QPCR3R	TGTCTGGCTTTTGGCTGTGA