

**Supplementary Table S1.** Real time RT-PCR primer sequences.

Gene ID	Primer	Sequence
ZM2G153541	<i>EF1a</i> (S)	TGGGCCTACTGGTCTTACTACTGA
	<i>EF1a</i> (A)	ACATACCCACGCTTCAGATCCT
ZM2G067225	<i>ZmAOS</i> (S)	CCCAGCGTCGACAACAA
	<i>ZmAOS</i> (A)	TGTCGTAGCGGAGGAAGA
ZM2G101769	<i>ZmJaz12</i> (S)	CTGATGCTAAGAAGCCTACTCGC
	<i>ZmJaz12</i> (A)	GCGTCTGAAGGAGAAGTTTGTA
ZM2G017616	<i>ZmLOX9</i> (S)	CATGGCATCAGACTCCTCATC
	<i>ZmLOX9</i> (A)	GTAGAGCTGCACATACGACTC
ZM2G118345	<i>ZmPAL</i> (S)	TCTGGTCCCCTCTCCTACA
	<i>ZmPAL</i> (A)	TTGAAGAAGCCGCCCTCGAT
ZM5G852886	<i>ZmPR1</i> (S)	TACGGCGAGAACCTCTTCTG
	<i>ZmPR1</i> (A)	GTTGGTGTCGTGGTCGTAGT
ZM2G441541	<i>ZmRboh D</i> (S)	CCGGCTGCAGACGTTCTT
	<i>ZmRboh D</i> (A)	CCTGATCCGTGATCTTCGAAA
ZM5G851266	<i>ZmPPO1</i> (S)	AGGCGCTACCGGAAGAGAAC
	<i>ZmPPO1</i> (A)	GAGAAGTGCACGTGGAACGG
ZM5G811797	<i>ZmRab7</i> (S)	TCATCATCCTCGGCGATAGTGG
	<i>ZmRab7</i> (A)	AGAGCCTGTCTCGAACTGC
ZM2G326111	<i>ZmPPI</i> (S)	ACAAGGGCTCCACCTTCCAC
	<i>ZmPPI</i> (A)	TCGTTGCGCACGAACTTCTC
Zm00001d030028	<i>ZmMYC7</i> (S)	CGCCAGTAGCAACAGCACC
	<i>ZmMYC7</i> (A)	AGCCCTTGAACGGAAACC
Zm00001d043205	<i>ZmERF147</i> (S)	CGCCAGTAGCAACAGCACC
	<i>ZmERF147</i> (A)	AGCCCTTGAACGGAAACC

ZM2G077316	<i>ZmAOC1</i> (S)	GTACCTGACCTACGAGGAGT
	<i>ZmAOC1</i> (A)	GACGATCTGGTTGAGCTTGA

\* S: Sense, A: Antisense.