

Table S1. Primers name, entry number, and primer sequence used in this paper

Gene	Accession Number	Primer sequence (5'—3')
<i>ZmTUB</i>	NM_001111988.	F: AGAACTGCGACTGCCTCCAAAGG R: AGATGAGCAGGGTGCCCATTC
<i>ZmLCD1</i>	NM_001138259.	F: AAGTGTTGAGGAAGGACAAGAG R: GGCATCTCTCAAGACCTCATAC
<i>ZmOAS-TL</i>	NM_001366967.	F: GGCAAGTACCTCAAGGAGAAA R: CTACTCCGTTTCCAGTGATGAG
<i>ZmZEP</i>	NM_001305856	F: CCAGCGTAAATTTTCGTGAGATG R: TGCTGCTCTAGTCTGGTAATTC
<i>ZmNCED1</i>	XM_008646423	F: CGACTCCACCTCTCTCTATAA R: GCGTGATCGAGTGGGTTATT
<i>ZmAAO</i>	NM_001177021	F: TCAAGGTCTTGACGGACGTG R: CCCGTACCATCTTCCTTCGG
<i>ZmTUB</i>	NM_001111988.	F: AGAACTGCGACTGCCTCCAAAGG R: AGATGAGCAGGGTGCCCATTC
<i>ZmCAT1</i>	NM_001254879.2	F: GGGTCCAGACACCTGTTATTG R: AGTTACCCTCTCTGGTGTAGAA
<i>ZmSOD4</i>	NM_001112234.2	F: CGTCACCAGCAGGCTAGAAT R: AGCCAACAGTCCAACACAGT
<i>ZmGR1</i>	NM_001305818.1	F:CTCTCACGAGTTTGAAGAGTCTCGTGG R:CCAGCGCAGCATCCGAATCTATAA
<i>ZmAPX1</i>	NM_001370758.1	F:GATCTTGTGGCTGCAGCATG R:GGTGGACTCGAATTGCAGGA
<i>ZmMDHAR</i>	NM_001196274.1	F:AAGTGGTGGAGAGAAGCTATTG R:CTAGTCAGAGTCTTGGTGGAAG
<i>ZmDHAR1</i>	NM_001147572.1	F:ATCTCTGGTCACTCCTGTAGAA R:CTCGGAACCATCACTAGCATC