

Table S1: List of primers used in this study.

Gene Name	Gene ID	Primer sequence
ZmCAT1_F	GRMZM2G088212	CCAAGGGTTTCTTTGAGGT
ZmCAT1_R	GRMZM2G088212	AGGGTCGAAGGAACGATAT
ZmcAPX_F	GRMZM2G140667	CGACAAGGCCAAGCGTAA
ZmcAPX_R	GRMZM2G140667	GCTCCCTCAAATCCAGACC
ZmDREB2A_F	GRMZM2G006745	CCCAACCGCGGAGGATGCAG
ZmDREB2A_R	GRMZM2G006745	GCCTGGGCAGAGGTCGATGC
ZmRBOHA_F	GRMZM2G426953	ATGACATTCTTCTGCTTATTGGC
ZmRBOHA_R	GRMZM2G426953	ATGCTTCCCACCTCTTCGTT
ZmRBOHB_F	GRMZM2G138152	ACCCTTTGAATGGCATCCG
ZmRBOHB_R	GRMZM2G138152	AAGGAGTTGCACCAATCCCTAAT
ZmRBOHC_F	GRMZM2G043435	GAATACGAAAGCTGCACGGGCATT
ZmRBOHC_R	GRMZM2G043435	CCAAAGTATTTGCGCAGTGGAGCA
β -tubulin_F	GRMZM2G090115	GTACCGCGCTCTCACCGTGC
β -tubulin_R	GRMZM2G090115	ACGGAACATAGCAGATG CCGTGA