

**Table S1.** PCR Primers.

Primer Name	Primer Sequences
ZmDUF1645	F:5'-ATGCGGGCACGAAGAATAAG-3' R:5'-TTGCCGTAGAAGAGCCTGTG-3'
GW2	F:5'-CTGCAGCAGGGAAGTGTT-3' R:5'-ATGTCTGAGCCCGCGTAG-3'
GS3	F:5'-CATCGGAGAAGCGAAGTCA-3' R:5'-CAGCAGCAGATCCAGGAGA-3'
GIF1	F:5'-CATCGCGCAACCCGAACATG-3' R:5'-TGTCGATCAGGCTCCTCAGAG-3'
GS5	F:5'-AGTGGACTGCTTCCAGGGAAG-3' R:5'-CACGCAGTACCGAGAACTGA-3'
RR1	F:5'-AGGATCAGCAGATGCATGAATG-3' R:5'-GAGACGCTGTACGTCCTTGCTT-3'
RR4	F:5'-TCTTCTGAGAATGTGCCTGCAA-3' R:5'-GCTTGACAGGTTTCAGGAAGAACT-3'
RR9	F:5'-TCATGAGGACAGCCCAATTTCTA-3' R:5'-TGCAGTAGTCTGTGATGATCAGGTT-3'
MAPK6	F:5'-ACAGAGCAGCCGAATTTTGAGA-3' R:5'-TTCAGCGAAGCTCACACTTGG-3'
IPT9	F:5'-GCTCTTGTTAGCCCATTCCTCTT-3' R:5'-TGGTTGTTTCGGGTGTATCCTTT-3'
LOG	F:5'-AGCGAAGGATTCATAGCGGA-3' R:5'-CGGCATCTGATCGTCCCAA-3'
CDKA1	F:5'-GGTTTGGACCTTCTCTCTAAAATGC-3' R:5'-AGAGCCTGTCTAGCTGTGATCCTT-3'
CDKA2	F:5'-GGTTTGGACCTTCTCTCTAAAATGC-3' R:5'-AGAGCCTGTCTAGCTGTGATCCTT-3'
CAK1A	F:5'-GGTTTGGACCTTCTCTCTAAAATGC-3' R:5'-AGAGCCTGTCTAGCTGTGATCCTT-3'
P5CS1	F:5'-GCTGACATGGATATGGCAAAAC-3' R:5'-GTAAGGTCTCCATTGCATTGCA-3'