

Supplemental Table 1. Primers used in this study.

| Gene                                                     | AGI code  | Primer Name      | Sequence                  |
|----------------------------------------------------------|-----------|------------------|---------------------------|
| <b>Left and right border primers of T-DNA insertions</b> |           |                  |                           |
| CK2 $\alpha$ 1                                           | AT5G67380 | CK202L           | CTCGGGTGAAACTAAGTGCTG     |
|                                                          |           | CK202R           | GTGAACAGCAAGGAGAAGTGC     |
| CK2 $\alpha$ 2                                           | AT3G50000 | CK204L           | AAGCCTGCAGCATATCATAGG     |
|                                                          |           | CK204R           | GCGTTTTTGTGTTAAGCAAGC     |
| CK2 $\alpha$ 3                                           | AT2G23080 | CK207L           | GCAAGCCTAAGAGGGTCATTC     |
|                                                          |           | CK207R           | TGAGCGAAGTATGGATGATCC     |
| <b>Primers used for qRT-PCR analyses</b>                 |           |                  |                           |
| PP2A $\alpha$ 3                                          | AT1G13320 | #31 PP2A-RT-s    | TAACGTGGCCAAAATGATGC      |
|                                                          |           | #32 PP2A-RT-as   | GTTCTCCACAACCGCTTGGT      |
| CK2 $\alpha$ 1                                           | AT5G67380 | #59 CKA1-RT-F    | ACTTGTTGGGCGGCATAG        |
|                                                          |           | #60 CKA1-RT-R    | AAGTAAGCGTGCGCCATG        |
| CK2 $\alpha$ 2                                           | AT3G50000 | #61 CKA2-RT-F    | TCCGTGTGGCCTCAAGATAC      |
|                                                          |           | #62 CKA2-RT-R    | GGTTCCTTGCGGAATATCATC     |
| CK2 $\alpha$ 3                                           | AT2G23080 | #565 CK2A3-RTf2  | TGGTCTCACCTGAGGCAAT       |
|                                                          |           | #566 CK2A3-RTTr2 | CGGCTTTAACTTGAGCGAAG      |
| CK2 $\alpha$ 4                                           | AT2G23070 | #567 CK2A4-RTf2  | TGAGGCTGTTGATTTTGTGG      |
|                                                          |           | #568 CK2A4-RTTr2 | GTACGGCTGCTCTCTGCATT      |
| ADH1                                                     | AT1G77120 | #342 ADH1-RTf    | GGGAAGCTAAGGGACAAACA      |
|                                                          |           | #343 ADH1-RTTr   | CACATGATCTCCTGGCTGAA      |
| LEA18                                                    | AT2G35300 | #340 LEA18-RTf   | CAAAGCTGACCTCCATCAATC     |
|                                                          |           | #341 LEA18-RTTr  | GAAGATGGTGGCCGTGAA        |
| RD20                                                     | AT2G33380 | R20-realF2       | TTAGCTCCGGTCACCAGTCA      |
|                                                          |           | R20-realR2       | CATGTATGGTTTTGGTAATGTTTCC |
| LTP4                                                     | AT5G59310 | LTP4r1L          | GCAAAAGGGGTTAATCCAAGT     |
|                                                          |           | LTP4r1R          | TCCCCACTTCACTTGATGG       |