**Table S1. Primers sequences of the genes used in qRT-PCR**

| Gene name | Gene ID | Forward primer | Reverse primer |
|---|---|---|---|
| *OsA2* | LOC_Os07g09340 | GCCGCACATCTTGTCGATTC | CCCTGTGTTGGATGGGGTAC |
| ATPase activity | LOC_Os10g36530 | GAAGGAGCTGCTTTGGGGAT | CATGCACGCGTTCTCAAACA |
| ATPase activity | LOC_Os01g50080 | TGTGTGCTTTAGCTACCCCG | ACCACTTCCACTTTGCCCAA |
| ATPase activity | LOC_Os07g32560 | CTTCTACGTCGGCAACACCT | GGTGAGGTAGTTGAGCGTGT |
| *PAL5* | LOC_Os04g43760 | TCGATGGCAAGAAGGTGGAC | TTCACGATGGCGAGACCTTC |
| *F3H* | LOC_Os08g37456 | TGGGGCTTCTTCATGGTGAC | TCTGAACAGCTCCTTGCAGG |
| *FLS* | LOC_Os09g07450 | GGCAATCCCCTTGATCGACA | CCTCCCTACATGCATCGTCC |
| *ANS* | LOC_Os01g70930 | GACGCTGGAGAAGTACTCGG | AAGTTCATCCTCACCGCCTG |
| *CHS1* | LOC_Os11g32650 | GCAGAAGGCGATCAAGGAGT | ATCATGAGGCGGTTCACGTT |
| *DFR* | LOC_Os02g56690 | CTGGAGCGACCCCAAATTCT | CGTGGTTGATGCTGGTGTTG |
| *LAR* | LOC_Os04g53800 | TCTCTCGGAGAAGGAAGCGA | ACAGCAAGGAGAGGACGTTG |