**Table S2. Primers used for semi-quantitative RT-PCR**

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| --- | --- | --- | --- |
| Gene ID | Forward primer (5’-3’) | Reverse primer (5’-3’) | Fragment length |
| *PhHD-Zip*(F1, R1) | GTTGGAGACATTAAACGAACAGC | CCAGTGTTCAGGTGATTCTAAGG | 287bp |
| *PhHD-Zip*(F2, R2) | AGAGATATTGGCCTGCAACCT | GTCTTTCGAATCGTGGCTTCT | 242bp |
| *PhHD-Zip*(F3, R3) | CCCATATCCAGTCAAATATACAAA | CAAGCTCAGAAATCCCACAACT | 938bp |
| *ACO1* (L21976.1) | GGATCCAATTGCCACTGTCTA | CTGATGGAGAAATGAAGGAACA | 278bp |
| *ACO3* (L21978.1) | AAGCTATGAAGGCAAGGGAAG  | CGCAACAAGAGACGGTAACAT | 220bp |
| *ACO4* (L21979.1) | AGAGTGTACCGCACAGAGTGATT | GATCAATCTTCACATCAGCTTCC  | 255bp |
| *ACS* (Ph\_TC5971) | TTGACTTGATTGAGGACTGGATT | TGCTGGGTAATAAGGTGAAGGTA | 287bp |
| *NCED*(Ph\_TC9965) | CGGCAAATCATCTTCAGACAT | ACTGTACATGCCGTCCAATTC  | 276bp |
| *SAG12*(Ph\_TC1621) | CTCTTGGACACTGCCTTTACATT | AAACACCACTGGAATAGAACTGG | 250bp |
| *SAG29*(Ph\_TC9096)  | ACTTCTGAGTTGGCTTTCGTCTT  | TGGTGGCAAATATCAAGAAGATT  | 274bp |