**S1 Table. Gene-specific primers used for tissue-specific qRT-PCR.**

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| --- | --- | --- | --- |
| Unigenes | Annotation | Primer sequence (5’→3’) | Amplicon  (bp) |
| c51167\_g1F | Cell wall / vacuolar inhibitor of fructosidase 2 | TCTTCATCCCTTTGGTGACA | 135 |
| c51167\_g1R | ACGATGGTGCAGAGCAGTT |
| c97954\_g1F | Protein MOTHER of FT and TF 1 | TCACGCATGTTTGGTTCAC | 138 |
| c97954\_g1R | CACCAATGGCTGCGATATT |
| c51098\_g1F | Putative glucan 1,3-beta-glucosidase A | CCATTCCAAAGAGCCATCTC | 142 |
| c51098\_g1R | AAGCGGTACTCTGCAAGCTC |
| c30417\_g1F | Seed biotin-containing protein SBP65 | CCTCAGTTCCCTGTGGTTG | 149 |
| c30417\_g1R | CCTCAGTTCCCTGTGGTTG |
| c28523\_g1F | Poly[ADP-ribose] polymerase 3 | CTCTGCTGTTTCCATCACCA | 112 |
| c28523\_g1R | CAGCCATTTGGAGTACAACG |
| c33220\_g1F | Late embryogenesis abundant protein D-29 | CCTGTCCTTAGCCTCCTGTG | 186 |
| c33220\_g1R | GCTAGTGACATGGCCAACAC |
| c49746\_g1F | Cytochrome P450 83B1 | TTAGCCTGAAGGCAAAGAGG | 140 |
| c49746\_g1R | GCATTGGAGCTTATCCTTGC |
| c66901\_g1F | Receptor-like protein kinase | CCACACCGAATGAGTAGACG | 111 |
| c66901\_g1R | CGAGGTCCCACATAAGCAC |
| c31374\_g2F | Peroxisomal (S)-2-hydroxy-acid oxidase | CCGTCCAAGAACACTGGAA | 119 |
| c31374\_g2R | GCTGGGATAATCGTGTCCA |
| c129185\_g1F | Organic cation/carnitine transporter 1 | GACAAACCCAACTCCAAACC | 119 |
| c129185\_g1R | CCACCACAACTGAGGATGAA |
| c41007\_g1F | WAT1-related protein At1g70260 | GAGTGGGCCCCTGAATAAC | 110 |
| c41007\_g1R | GCAGGAAGGCAGAGTTGAA |
| c22112\_g2F | Unknown protein | CTATGAGAGGGATCCGATGG | 116 |
| c22112\_g2R | GGTGGGAAGCTGTTGTTTG |
| c50917\_g2F | Internal control (Elongation factor 2) | CCACCATGTTTGGTCCAAGG | 144 |
| c50917\_g2R | AGGCAATTGATGACGGCAAG |