**S1 Table**. List of the primers used for qRT-PCR analysis.

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| --- | --- | --- | --- |
| **Target candidate** | **Accession no.** | **Forward Primer (5'-3')** | **Reverse primer (5'-3')** |
| *Beta-1,3-glucanase*  | Solyc10g079860.1.1 | AGACAACGTCCGAGGGTATG | TTTTTCAAGGGCCGAGTATG |
| *NAC transcription factor*  | Solyc04g005610.2.1 | GGGCAGCTGTGTCTGGTTAT | CTCCATGGCTTGATGAGGCA |
| *Cystatin* | Solyc00g071180.2.1 | GCAGTGATGGCAAACGTAGG | CACCTTCAGTGCCCTCAAAT |
| *Gibberellin 2-oxidase* | Solyc01g079200.2.1 | GGCTCCCTTTGGTTATGGTAG | GTCACCGAGCTGAAAGTAGAG  |
| *Pectinesterase* | Solyc05g052110.2.1 | GGCAATGGTGACAGCACAAG | AGCGTTTTAAAGTAGCACCACAT |
| *Myosin XI*  | Solyc06g008530.1.1 | GTCTTGGAAGGGAATGCCGA | GCCAAGTGTCCACGCAATTT |
| *Polygalacturonase*  | Solyc07g044870.2.1 | CAGGTCAGCCAGGAGTGTTT | ACTCAAGTGGTGCCTTGCAT |
| *Pyruvate dehydrogenase kinase*  | Solyc12g098930.1.1 | AGGCACAATAACGTCGTTCC | ACAGTTGGGAAGTGGATTCG  |
| *Glutamine synthetase* | Solyc05g051250.2.1 | TTGGTCCTGCTGTTGGTATC | CCAATCACCAGGGATAGGTTT |
| *Anther-specific protein TA29*  | Solyc02g078370.1.1 | GGTCATCAGTCAGAGCAGCA | GGTCGGGGATATTGTTTGTG |
| *Actin*  | Solyc10g086460.1.1 | CACTTCCTCACGCTATCCTTC | TTCCTTCTCAGCACTGGTTG |
| *Beta-galactosidase*  | Solyc01g111540.2.1 | ATGGAACATCCGCTACAGAAG | GAGTTCTTTGAAACCAGAAGC |
| *Cysteine proteinase*  | Solyc07g053460.2.1 | TGCGGACATGACAAATCGAGA | ACAACCCCATCCTTCCTCCA |
| *Zinc finger transcription factor* | Solyc06g005180.1.1 | GCAAAATGAGTGAAAATGGTGGAT | GTGACTCGCTCTATGTCCCC |
| *MADS-box transcription factor* | Solyc06g059970.2.1 | TTCTAGTATCAGTGCCAAGCAG | CCTCTCATATTTCCACTTCCACCA |
| *F-box transcription factor* | Solyc06g059820.1.1 | GGTGGAACCCTGCTACTAAAG | CATCATACCCTACCGCTGTTAC |
| *α-tubulin* | Solyc04g077020.2.1 | TGAGGTCTTCTCACGCATTGACCA | AATCCTTCTCGAGGGCAGCAAGAT |
| *CAC* | SGN-U314153 | CCTCCGTTGTGATGTAACTGG | ATTGGTGGAAAGTAACATCATCG |