Table S1 Gene primers used for quantitative real-time RT-PCR experiments

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| Genes | Gene number | Forward primers (5ʹ-3ʹ) | Reverse primers (5ʹ-3ʹ) |
| *GhUBQ7* | Gh\_A11G0969 | GAAGGCATTCCACCTGACCAAC | CTTGACCTTCTTCTTCTTGTGCTTG |
| *GhPP2CA1* | Gh\_A03G0373 | TTCCGTTATCGTCTGACCACA | GACATTGCTAGGACTCCGAGG |
| *GhPP2CA2* | Gh\_A05G0308 | ATATCTGACAGTAAAGATGTTTGG | AAAAAATCCTCTCCGCAAA |
| *GhPP2CA3* | Gh\_A05G0782 | AAGCTGAGAATGGCCGG | ACAGCGTTTTCACAGTCCAG |
| *GhPP2CA4* | Gh\_A05G1136 | TGGAGGAAAAGTTAGCCAAG | ACCACAGTTAGCAACAACGATA |
| *GhPP2CA5* | Gh\_A05G3030 | GTGGAGTGGAAGCGGACG | CGGCAACTTGAACGCTCC |
| *GhPP2CA6* | Gh\_A06G0579 | GCGTACTAAGACGGCGGC | CCTTCTTCAATCTCCACTGCC |
| *GhPP2CA7* | Gh\_A07G0123 | TTCCCAATCCAGAAGTAATGTT | GGTCAATTCCTTCACCTCTTTC |
| *GhPP2CA8* | Gh\_A08G2192 | ATGCCGAGAGCATATCGA | GCCAGTCGTATCTGATGTTTC |
| *GhPP2CA9* | Gh\_A10G0578 | AGGAGCTTTGCGGAATGGT | ATCTGGCAGGGTGAGACAATAA |
| *GhPP2CA10* | Gh\_A10G1998 | GAAGCTGGTGGCCGAGTAAT | CATAGGTGGTGATGCTGGCT |
| *GhPP2CA11* | Gh\_A12G2380 | GCTCACAAGAGGCTGCG | CATCCACAATGGTGTCCCAC |
| *GhPP2CA12* | Gh\_A13G0184 | TCACTTTTTCGGTGTCTTCG  | CTCTAACTTCTTCATCCATCCTCT |
| *GhPP2CA13* | Gh\_A13G1741 | CATTGACTGTAGATCAGAAGCC | TCGCTGGCTATTACTAAACACT |
| *GhPP2CA14* | Gh\_D03G1169 | CGTTGGCTTCCACTATTTTG | ATCCCATAAACCGTCACTCG |
| *GhPP2CA15* | Gh\_D04G0612 | GTGGACTGGAAGGGGACGA | CTCATCAGGCGTAACGACAGC |
| *GhPP2CA16* | Gh\_D05G0410 | TTGCCGTGCCAGTAAACCT | TCGAGAGCCAATTGAAGAACC  |
| *GhPP2CA17* | Gh\_D05G1309 | TGATGAGATCGGAGGAAAAAT | ACAACGATATGCGATGAACA |
| *GhPP2CA18* | Gh\_D05G3907 | GGGAGGTCGGGTCATTTTC | AACCGTCACTCGCCAGAATC |
| *GhPP2CA19* | Gh\_D06G0657 | CAGAGGAATGGGGGCGT | CTACAGCAGCGGTGTGGAC |
| *GhPP2CA20* | Gh\_D07G2383 | CTCGATTTTTGCAAGTCCCTA | CCTTTCTATCTCCTCGGCTAA |
| *GhPP2CA21* | Gh\_D08G2557 | CTGAATGTCGAGAGCGTATCG | CCCGCCAGTCGTATCCG |
| *GhPP2CA22* | Gh\_D10G0622 | AACCATTTGATGTAAGAAGGATTT | CATTGTCAGCCCTCCCATA |
| *GhPP2CA23* | Gh\_D10G2305 | GAAGCGATGGACTATGGGA  | GACATAGGTGGTGATGCTGG |
| *GhPP2CA24* | Gh\_D12G2508 | CCGATTGTATCATCAGAACCC | GAACATCCCATAAACCATCACTT |
| *GhPP2CA25* | Gh\_D13G0199 | TCTCGGGATTGTGATAACGC | CGATCTCTACACTTCATCGCAAC |
| *GhPP2CA26* | Gh\_D13G2089 | GCATTAACTGTTGATCAGAAGCC | ACATTACATCCCATAACCCGTC |
| *GhPP2CA27* | Sca051315G01 | CATCAAGTGGAACGAGAGCG | CATTGCGAGGACACCGAGA |