

Supplementary Table S1 Primer sequences used for qPCR analysis

| Accession | Name | Forward primer | Reverse primer | Amplicon length (bp) |
|--------------------|-----------|-------------------------------|--------------------------------|----------------------|
| comp28072_c0_seq2 | PhEF1a | GACCAAGATTGACAGGCGATC | CTGACAGCAAACGACCCAATGG | 153 |
| comp28131_c1_seq10 | PhCAB2 | CGAGGGTGGACTTGACTACTTGGGCAACC | AGCTCAGCAAATGCCTCTGGGT | 210 |
| comp27346_c0_seq1 | PhSAG12 | TTGTTGGGCATTCTCAGCAGTAGC | TCCACAAGTTGTTGTTCCGATAAAGAGG | 93 |
| comp730638_c0_seq1 | PhWRKY030 | AATAATATGACTCCAACCGCACCTG | AGAATTTCCCGTGACACAGACATAAG | 116 |
| comp21623_c0_seq1 | PhWRKY063 | GCCATAAGTTCGCCTTCATCGG | TCCTTCTCTTGTAGCATCCTCGTC | 100 |
| comp22104_c1_seq3 | PhWRKY004 | ACCATCAGCCGCCTCAACATAG | CAGCATCACCCACTTCCTCACC | 198 |
| comp21369_c0_seq2 | PhWRKY015 | AGCAACAACATTCATCATCCTCAGC | CCTCTTAAGCCTTAACCTCCTTCTC | 200 |
| comp12645_c0_seq2 | PhWRKY002 | AACCGCCACCGAACCCTAG | CAATCAAGACCTCCAGCACCAG | 151 |
| comp23620_c0_seq2 | PhWRKY075 | GCCAAGAAGACAAGAAAGTACCAAAC | AATAATTTGAAAACTATTAGTAACACCAC | 111 |
| comp18538_c0_seq1 | PhWRKY069 | ACCACCACCACCCTACTAC | CGGCGACGATGAATTGTCTTGC | 146 |
| comp30812_c0_seq1 | PhWRKY024 | ATTCACACCATCATCAACCACCAAG | TACAAGGATAATCATCAGAAGCAAGAAGG | 81 |
| comp16919_c0_seq1 | PhWRKY072 | AACCATCTCATTACATTCTCATCAG | TCATAGTCGCTTCTGTTGCTTGC | 192 |
| comp6646_c0_seq1 | PhWRKY006 | CATTAGCAGCAGCCATCACTTCC | TTGTTGCGTGGTTGTTGTGGTAGC | 94 |
| comp2525_c0_seq1 | PhWRKY051 | GGTCAAGAATAGTCCAAATCCAAGG | GAGGGAATTGTGTGTAGTGAAGAAC | 173 |
| comp17118_c0_seq4 | PhWRKY011 | ACCTCCACCTTCACCACCTAC | TCGCCTTCGCCATTGAAATACC | 110 |
| comp22664_c0_seq2 | PhWRKY007 | TTTCAAATGTTTCATCTGCTGGTAGG | TTCTTAGGACAGTGGCAACGAC | 136 |
| comp325234_c0_seq1 | PhWRKY028 | CGTGTGGAGAGGTCATTTCAAG | TGGTGTAAGCAGCATGGAAGG | 132 |
| comp15947_c0_seq2 | PhWRKY055 | AGTCAGTGCCGAGAATGGATTTG | ACATCTGTAATAACTCCTGGGATATTTAGC | 112 |
| comp23620_c0_seq3 | PhWRKY033 | GAGAACAGAAGGCAGAAGATGGATAC | CGACTGAGGCTTTGGATGATTATGG | 197 |
| comp42882_c0_seq1 | PhWRKY053 | CTACAAGTAACATCACACAGAAACAAG | GGAGGAAAGGAGAAAGGACATATTGC | 161 |
| comp266655_c0_seq1 | PhWRKY023 | TGTCGTGTATCTCTTCATCATCAACTG | TTAGGTCTTAAGTCTTCTTATACTTGTGC | 133 |
| comp933645_c0_seq1 | PhWRKY054 | TCTGCGGTAATGGAAGATGGATATG | GCACCTGTAGTAGCACCTTGG | 90 |
| comp26279_c0_seq2 | PhWRKY070 | TTCAGAATGAGGAAGTTGACCAATC | CCTCCACGCACAACCATCC | 185 |