

Table S5**Primers used for the expression analysis of key flavonoid biosynthetic genes.**

| Primer code | Primer Sequences (5'-3') | Use |
|----------------------------|--|---------------|
| AtANR1-R AtANR1-F | CGCAATCTCTGGAACACTTGTG AGCTCGTGCCCATTTGTTTC | qRT-PCR assay |
| AtF3H-R AtF3H-F | ATGTCGAAACGGAGCTTGTG TCAGATCGTTGAGGCTTGTG | qRT-PCR assay |
| AtDFR1-R AtDFR1-F | GTACCGAACATACATAGTTG CTTCAAGTATAGTCTCGAGG | qRT-PCR assay |
| AtCHI1-R AtCHI-F | AAGATACTTGGCAATGGTTGCG CGGTATGCAACATGCCGAA | qRT-PCR assay |
| At4CL-R At4CL-F | ACTCCGTCGTCGTTTTGAAG CGCAAACCCTTTCTTCACTC | qRT-PCR assay |
| AtF3'H1-R AtF3'H1-F | GACTGAGCTAGCCGGAGAGTC GAGGAGCGTGACCACAA | qRT-PCR assay |
| AtANS1-R AtANS1-F | TGCCGGTGAAGGAGAAGAAA CAGCCCAATCAAGCTTTTGC | qRT-PCR assay |
| AtFLS1-R AtFLS1-F | TGAAACAAGTGGTCCACCCAC ACCATAGCCAAGCCTGCAAA | qRT-PCR assay |
| AtCHS-R AtCHS-F | CAGATGCATGTGACGTTTCC TGAGAACCATGTGCTTCAGG | qRT-PCR assay |
| At18SrRNA-R At18SrRNA-F | GAAGATGAAGGAGACGAGAA CTACCGTTTCCAAAGGCGAG | qRT-PCR assay |
| CtCYP81E8-R CtCYP81E8-F | TGCTTTGACTGGGAACGAAC AGAACGAGGCACGCAATTTG | qRT-PCR assay |