

Table S1. Primers used in qRT-PCR analysis in this study.

| Primer name | Sequence (5'-3') |
|-------------------------|-------------------------|
| qRT- <i>CtFLS1</i> -F | TGAAACAAGTGGTCCACCCAC |
| qRT- <i>CtFLS1</i> -R | ACCATAGCCAAGCCTGCAAA |
| qRT- <i>AtCHS</i> -F | AGAAGTTCAAGCGCATGTGC |
| qRT- <i>AtCHS</i> -R | AGAGAAGGAGCCATGTAAGCAC |
| qRT- <i>AtFLS1</i> -F | TGCAGTGCATGTGAAGAAGC |
| qRT- <i>AtFLS1</i> -R | CGAGACCTTCTTTCAACGCATC |
| qRT- <i>AtDFR</i> -F | ATTTGCCAAACGCCAAGACG |
| qRT- <i>AtDFR</i> -R | TGTTGCCACGTGGAAAACAC |
| qRT- <i>AtANS</i> -F | TGCAAACGATCAAGCCACTG |
| qRT- <i>AtANS</i> -R | TTGTCCACTCGCGTTGTTAG |
| qRT- <i>AtMYB11</i> -F | TTGTTCGAGGCTGTTAGATGGAG |
| qRT- <i>AtMYB11</i> -R | ACAAAAGCCAAGCAGCCATC |
| qRT- <i>AtMYB12</i> -F | ATGACGAACGCTTCTTCAGC |
| qRT- <i>AtMYB12</i> -R | TGGTGCAGACGTTTTCTTCG |
| qRT- <i>AtMYB111</i> -F | GTCAAGTTGCATTCCCTTCTCG |
| qRT- <i>AtMYB111</i> -R | TTTTGCGGCTGAGATGTGAG |
| qRT- <i>AtMYB113</i> -F | TTGATCGCTGGTAGATTGCC |
| qRT- <i>AtMYB113</i> -R | AGCATCGTTCATCGTGCTTC |
| 18s <i>rRNA</i> -F | GAGAAACGGCTACCACATCCAA |
| 18s <i>rRNA</i> -R | TCGTTTGAGCCCGGTATTGTTA |

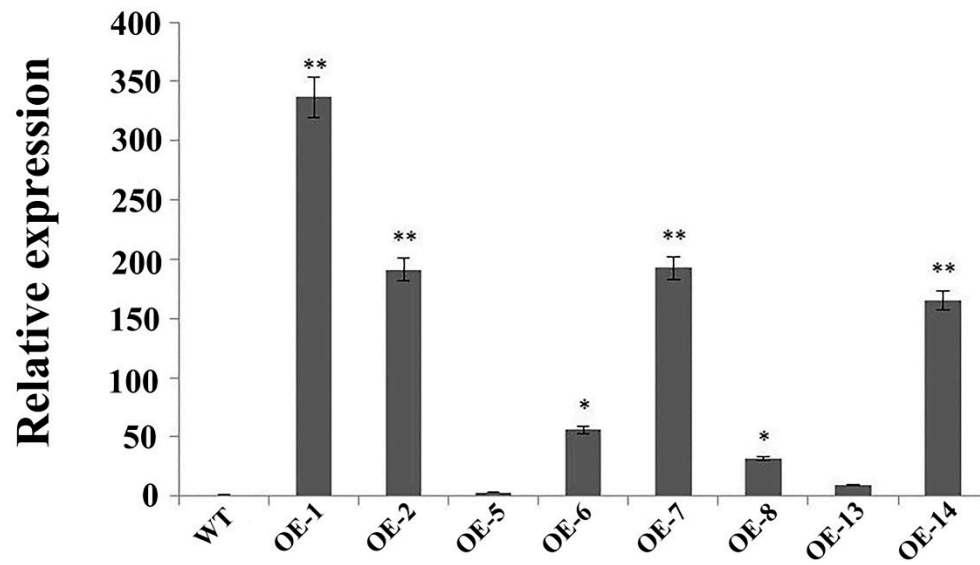


Figure S1. The relative expression of *CtFLS1* gene in different *CtFLS1* transgenic *Arabidopsis* lines. Significance analysis t test: * $P < 0.05$, ** $P < 0.01$.