Table S1- Primer sequences and real time PCR conditions.

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| Primer | Sequence | TM (°C) | Amplicon's size (bp) | Gene's accession | Database |
| Cs\_CHS\_For | 5’-TCTATGGACGGGCATCTTC-3’ | 58 | 102 | AB009350.1 | NCBI |
| Cs\_CHS\_Rev | 5’-TGCCTCGGTTAGGCTTTTC-3’ | 58 |
| Cs\_DFR\_For | 5’-GCTGTTCGTGCTACTGTTC-3’ | 58 | 108 | AY519363 | NCBI |
| Cs\_DFR\_Rev | 5’-GGCTAAATCGGCTTTCCATA-3’ | 58 |
| Cs\_ANS\_For | 5’-GGTGACTGCTAAATGTGTT-3’ | 58 | 104 | AY581048.1 | NCBI |
| Cs\_ANS\_Rev | 5’-CAAGTCCCCTGTGAAGAATA-3’ | 58 |
| Cs\_UFGT\_For | 5’-TCTTCAGCACTCCGCAATC-3’ | 58 | 95 | NM\_001320060.1 | NCBI |
| Cs\_UFGT\_Rev | 5’-TCCATCGGATACGTCGTAAG-3’ | 58 |
| Cs\_Ruby\_For | 5'-ACAATCCACCCCGTCTGATC-3' | 59,4 | 227 | JN402330.1 | NCBI |
| Cs\_Ruby\_Rev | 5'-CTGGCCTGCTTCAATGACTC-3' | 59,4 |
| Cs\_DME\_For | 5’-CAGAAACCGCCCAAACGAAG-3’ | 60 | 185 | orange1.1t01511.1\_Hzau\_Valencia\_v2.0 | www.citrusgenomedb.org |
| Cs\_DME\_Rev | 5’-GCATCGGTTGTCTCCCTGAT-3’ | 59,8 |
| Cs\_DML1\_For | 5’-GCCGCAGAATCCACTAACCT-3’ | 60 | 181 | Cs6g15500.2\_Hzau\_Valencia\_v2.0 | www.citrusgenomedb.org |
| Cs\_DML1\_Rev | 5’-CTTTACACAGCTGCCCGGTA-3’ | 60 |
| Cs\_DML3\_For | 5’-CGGCGAAAAAGCAACTCCAA-3’ | 60 | 164 | Cs3g07800.1\_Hzau\_Valencia\_v2.0 | www.citrusgenomedb.org |
| Cs\_DML3\_Rev | 5’-CTATGGTTCTGCCAGCGACA-3’ | 60 |
| Cs\_DML4\_For | 5’-GAAACCAGGCAAGACCCGTA-3’ | 60 | 176 | Cs5g04950.1\_Hzau\_Valencia\_v2.0 | www.citrusgenomedb.org |
| Cs\_DML4\_Rev | 5’-TTCATATCCAACGGCACGCT-3’ | 60 |
| Cs\_Ruby\_Pro2\_For | 5'-CGATGGAGTTTGGGCTTGAG-3' | 59,4 | 241 | JN402330.1 | NCBI |
| Cs\_Ruby\_Pro2\_Rev | 5'-CCAGTCCAAGTTAACAATTCCCA-3' | 58,9 |
| Cs\_DFR\_pro\_For | 5'-ACCCAAAAGTAGGCCCAAGT-3' | 57,3 | 198 | scaffold00002 | www.citrusgenomedb.org |
| Cs\_DFR\_pro\_Rev | 5'-GTTGCCGGGCTTGTTTATGT-3' | 57,3 |

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| Amplification program | | |
| Temperature | Time | N° of cycles |
| 50° C | 2’ | 1 |
| 95° C | 2’ | 1 |
| 95° C | 15’’ | 40 |
| 2° C lower than Tm | 15’’ |
| 72° C | 1’ |
| Melting curve | | |
| 95° C | 15’’ | 1 |
| 55° C | 1’ | 1 |
| 55° C (+0.5°C/cycle) | 15’’ | 80 |