

1 **Supplemental Table S1. Gene-specific primers for qRT-PCR verification.**

| <b>Gene name</b> | <b>Gene ID</b> | <b>Forward primer (5'to 3')</b> | <b>Reverse primer (5' to 3')</b> |
|------------------|----------------|---------------------------------|----------------------------------|
| <i>CsGOGAT1</i>  | TEA003892.1    | TGCCAAGGGCAAGAAGGTAG            | TCCACACGGAATATGCGAGG             |
| <i>CsGOGAT2</i>  | TEA026779.1    | GGGGCCTTATGATGTACGG             | TCCCGTCCAGGTACAGGTAG             |
| <i>CsGOGAT3</i>  | TEA030315.1    | TGCTGGTATGACTGGAGGTT            | CAACTGCCAGAATAGCGGTA             |
| <i>CsGSI.1</i>   | TEA015580.1    | GTGGAGAGCCAATCCCAACA            | ACCAATCGGCCACTTCACTT             |
| <i>CsGSI.2</i>   | TEA032123.1    | AGGAAAGCACGAAACAGCTG            | TGGAAGTGACAACGTACGGA             |
| <i>CsGSI.3</i>   | TEA032217.1    | ATGAATTGTGGGTGGCTCGT            | AACCCCATCACTCCTCGTA              |
| <i>CsGS2</i>     | TEA028194.1    | GTCGCTAATCGCGTTGTTC             | AGCCAATAAGGCCGTCACAA             |
| <i>CsAlaDC</i>   | TEA005658.1    | CACTGTGATGGGGCTCTGTT            | TGTTATCTGGACACCGCACG             |
| <i>CsTSI</i>     | TEA015198.1    | GTTGATGTTTCTGGGCAGCA            | CTCACCCACACCAGTCAGAT             |
| <i>CsGGT2</i>    | TEA014026.1    | GGTCACATTTGCCGTAACCG            | GGAGGCGGCATTCCAAGTAT             |
| <i>CsPDX2.1</i>  | TEA013808.1    | AAGGAACTTGCTAGGGACTGC           | CAACAATGCTGCTACTTGAGGC           |
| <i>CsGAPDH</i>   | TEA025584.1    | TTGGCATCGTTGAGGGTCT             | CAGTGGGAACACGGAAAGC              |

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