**Table S9. Primers used in qRT-PCR**

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| Gene ID | Gene symbol | Primer |
| E\_H258264\_c2\_g1 | LHCB1(1) | F: CCACCACCAAGCAATCAGG |  |
|  |  | R: GTGTCCCAACCATAGTCACCAG |  |
| E\_H256684\_c0\_g2 | LHCB4 | F: GACGGGAGTTTAGTGGGTGATT |  |
|  |  | R: ACGTTCTTCGCCAGGTTCTG |  |
| E\_H263330\_c2\_g2 | LHCB6 | F: CATTGGCAAAGTTCTCAGCG |  |
|  |  | R: ACTTCTGGGGACTCAGCTCCT |  |
| E\_H267499\_c3\_g5 | LHCB2 | F: TAAGCCAACAAGTAGGCGTCG |  |
|  |  | R: TGGGGCGGTTTTGACAGT |  |
| E\_H258264\_c1\_g1 | LHCB1(2) | F: GCCGCCTTCTGAGAAGATCT |  |
|  |  | R: CCAGGAACGGCGTCAAGTT |  |
| E\_H263776\_c0\_g1 | PSBR | F: GAAGGAAGGGCAAGGGAAAG |  |
|  |  | R: GCCACCAACGTAAACATCACC |  |
| E\_H249053\_c0\_g2 | PSAO | F: ATCCTCGGAGACCTGGAAGG |  |
|  |  | R: GTGATCGCTGGAGGAGTTGG |  |
| E\_H263876\_c1\_g1 | PABO | F: TGCTCTGGATTTCGTCGTAGG |  |
|  |  | R: TTAAGGACTTGGCTCAAAGGTG |  |
| E\_H252989\_c0\_g1 | CLH1 | F: CCGGAAATACTCACTCACAAAGAC |  |
|  |  | R: TTGTCACCCTTCCCACTCTTG |  |
| E\_H265995\_c2\_g2 | CHLP | F: GATGCTCGGGGATTGGATG |  |
|  |  | R: CGGATTTCTACGGTTGGGTCT |  |
| E\_H269188\_c0\_g1 | PLY | F: TGCCAATTTCAACAGATCAAGG |  |
|  |  | R: CTCCACCTGTTTGTCATTTCTCC |  |
| E\_H262264\_c1\_g2 | STE1 | F: GTCTCATCAACGAACAGCTCCA |  |
|  |  | R: TCTCCATCAACCCAGTCACAGA |  |
| E\_H261710\_c1\_g1 | FK | F: GCTGGAATGATGGGATGGC |  |
|  |  | R: ACAGCGCACAAAACAACTGG |  |
| E\_H266229\_c2\_g2 | KYPC1 | F: TTGCCTCAACTGGGTATAATCCT |  |
|  |  | R: AGATGTTGCCAATGCTGTGC |  |
| E\_H266229\_c2\_g4 | KYPC2 | F: CCGTGATCCAAAGCAACCTT |  |
|  |  | R: TTGTTAGAGGACTTTTCCCCATC |  |
| E\_H266992\_c0\_g1 | BOR4 | F: CTGTGATGATTGCAGGGCTTTA |  |
|  |  | R: AATGGTATGCGGAAGGGTTCT |  |
| E\_H263711\_c2\_g3 | GPAT6 | F: ATTAAGGCCGTGGCTCTGTC |  |
|  |  | R: CGTGTTGATTGCGATGGGTA |  |
| E\_H257517\_c7\_g2 | FDH | F: CGTCACATTGTCCGAGCATC |  |
|  |  | R: TGTCCTCCGTCGTCTCAAGC |  |
| E\_H264203\_c1\_g1 | ACEB | F: CTAAAGATGTAATCCCAGCGACC |  |
|  |  | R: CTTGAGGCAAGACTATGGAACG |  |
| E\_H266562\_c2\_g3 | CS | F: AAGAACCCCTACCCCAACGT |  |
|  |  | R: CGAAACACCGAAGAGGACAGT |  |
| E\_H256471\_c3\_g7 | CYP86A1 | F: GCTGGTTCTTCTGGCTCGTG |  |
|  |  | R: GGCTAATGCCGCTTTCAGG |  |
| E\_H266302\_c2\_g1 | FAR4 | F: TTCTGCCATCAACTGGTCTGC |  |
|  |  | R: GGAATCCTTCCTCCGTGCA |  |
| E\_H270153\_c2\_g1 | QOR | F: TGCTCAGTGGATGCTTCGAG |  |
|  |  | R: TGACGAGGTCCATGTTGCG |  |
| Reference gene | F: CTGGTATGGCATTCCGTGTA |  |
|  |  | R: AACCACATCCTCTTCGGTGTA |  |