

**Supplementary Table S1. Primers used for RT-qPCR assays.**

Gene name	Accession NO.	Forward primer (5'-3')	Reverse primer (5'-3')
<i>PFPP</i>	101243849	GAGATCCACACGGCAATGTCCAG	CCTTCTGCTTCCTCTGATCCAATC
<i>ATPPF</i>	101245480	CACGGCTTCTTGCTCAACCAATC	CTTTGTGAGTGCTGTCGCTTATGC
<i>FBA6</i>	101243907	TAACATGGTCACCCCTGGCTCTG	CCTCTTCCTCACTCTGTCCTCTG
<i>GPI</i>	101262594	CATTCGCTTTCTGGGACTGGGTAG	ATGGTGCTGAGAGGAAATGCTGATC
<i>GPD1</i>	101249507	GCCGTATTCTGTTGGTATCTTTCTCG	TTCGTGCTCAGATATTGCCTTGTC
<i>POL2</i>	101259276	TGCTCTCACCTCATCGGACAAG	CCTCCTCGGAATCGTACAGTTTCAC
<i>MDH</i>	543805	ATGAGGTGTCCAGGATGCAGAATG	TCCAATAAGCCAGCTCGTTCCATAC
<i>ME1</i>	544164	TCCCTCCTCTCATCCTCCCTCTC	CCCAGCTCCAGAAGATCCAATCAAG
<i>ME2</i>	543522	GCTCTCTCAAACCCAACCTCACAAG	CTCATTGACACTGCGTACCTCACTC
<i>CSG</i>	101260902	ACAGCATTACAGAGTTCCACAAGG	AAGCATTAGCGGGTGACGAATCTG
<i>CS3</i>	101258079	TGCGATGGAGAACAAGTTGACTCTG	TGCTTGGTGCCTGCCTATTATTGG
<i>CSM</i>	101249011	GTCTTTCTCCGCCTCTGTCTGTTTG	GCTCGGCAATATGGGATCGTGAC
<i>PAL5</i>	101244220	GCCATCTAATCTCACAGCAGGAAGG	AAGTCCGAGCAGTAAGAAGCCATC
<i>4CL</i>	101249624	ACCGCCTATTGTTCTCGCCATTG	GCTCGGACGGCATCTTCAAGTTC
<i>MDHAR</i>	778288	TGCTTCTCCACCATAACCCATTGC	GCGCGAAAGTTCAACAAGATCAGTG
<i>DHAR1</i>	778229	AAGAAGTGGAGTGTGCCTGAAAGC	CACGCATACAAGGACACGGTGAG
<i>ZDS</i>	543629	CCAGTGGTGCGGGCTTTAGTTG	CAAGTAGTGCGGAGAGGACAGAAAC
<i>CCD7</i>	100313501	CCATACCATCCGATTCCCTTCCG	TCCTTAAGTAGCCGTGTCCGTCTAG
<i>CrtL-e-1</i>	544129	GTCTTGCTGGTCTTGCTCTTGC	CTTTGAACTCGTCCTCCCATACACC
<i>psy1</i>	543988	TTATGTTGCTGGTACGGTTGGGTTG	CGCTCTCTGTTGTTGCCTTTGATTG
<i>LCY1</i>	544104	GTTGTTGTGGATCTTGCTGTGGTTG	AGAGAGTCCTGCTTCAGAACTTGC
<i>PDS</i>	544073	TTATCTCGCAAGTGTGGCTATGGTG	GAAGATGCCTGCTTTCGGTGATTG
<i>CHS1</i>	778294	ATGGTCACCGTGGAGGAGTATCG	AGGCGTAGATGTTCCAATGGCTAAG
<i>CHS2</i>	778295	GCCGACTACCAACTCACCAAGC	TCCCACCAGCAAAGCAACCTTG
<i>F3H</i>	100736482	GAGGCAATGGGCTTAGAGAAAGAGG	GGTAATGGTTCCTGGATCGGTGTG
<i>FLS</i>	102577717	ACCTTGAATGAGTCGGTGTGTTGTG	GAGCCAGATTGTGGTCAGGTGTTG
<i>ACTIN</i>	NC_015447.3	AATGAACCTTCGTGTGGCTCCAGAG	ATGGCAGGGGTGTTGAAGGTTTC