

**Supplementary Table S2.** Sequences of primers used for RT-qPCR analysis.

Gene symbol	NCBI gene accession numbers	Gene ID	Product size	Primer Sequence (5'-3' )	Primers efficiency	Correlation coefficient (R <sup>2</sup> )
<i>CsGBE1</i>	ACHR03000062	101215687	107	F:GACAGTGAAGGGTTGGCAGGTTG R:TCATCATCTTCGGGTTTGCTCGTATC	92.15%	0.9927
<i>Cseg9</i>	ACHR03000028	101222401	81	F:GTTACTAGCGACGGCGAAGAAGG R:ACAGCAGAGGAAAGCGAATCACTATAC	93.41%	0.9958
<i>Cseg6</i>	ACHR03000050	101203271	111	F:CAGTGGTGGACATAGTGGCTACAATC R:GAAGACGATGCTGGAGATGGAAGTG	90.03%	0.9864
<i>Csβ-G11-like</i>	ACHR03000050	101214838	116	F:CTTTCGGTTTGTTTCCTTTGACTGACTC R:ACTTCGGATACTACCATAACCAATG	97.39%	0.9942
<i>CsHK2</i>	ACHR03000083	101216058	113	F:TACCTTGGTGAAATTGCTCGTAGAGTG R:TCTGGTGTGCTCAGGATGAATTGC	95.62%	0.9987
<i>CsSS5-like</i>	ACHR03000028	101211461	91	F:TTTACGACGAAGAATGGGCAAATGATG R:GATGGAAGGCTTAACCGAGGAGTTG	91.26%	0.9092
<i>CsPFP</i>	ACHR03000058	101215219	83	F:TTCTCCCGCCAATCCTCCTTCTC	95.47%	0.9956

				R:GATGGATACGATGGGCTTGGACTTG		
<i>CsPK2</i>	ACHR03000062	101206620	81	F:CTCGTGTGGTAGACAGCATGACTAAC R:CATCAAGTACAGCATTGGCAACATCAG	95.52%	0.9963
<i>CsACS2</i>	ACHR03000062	101209539	83	F:GATGAAAGAGGTGAGGAGCCAAGATAC R:ATAACATCGCCAACGCCATAGCC	93.67%	0.9281
<i>CsIDH</i>	ACHR03000028	101202770	105	F:TCCTCCACCTCCTCCTCTACTCTC R:AGAAGAAGAAGAAGAAGCGTAGCATCG	98.71%	0.9860
<i>CsLACS6</i>	ACHR03000083	101207461	82	F:TTAATTGCGAGTGTTGCTGGATGTTC R:GTGCCAAAGGGAGGTACGATATGTAG	96.15%	0.9785
<i>CsCYP450</i> <i>86A1</i>	ACHR03000058	101214516	96	F:CGCTGGACCGAGGACTTGTTTG R:ACTGGAGATAGCCGATACCGAAGG	99.57%	0.9961
<i>CsLAX5</i>	ACHR03000006	101205750	144	F:TCTACATCATTCTGCTCTTGCTCAC R:CCAACACCCAAACCACTACAAATGC	97.79%	0.9902
<i>CsGH3.17</i>	ACHR03000050	101206247	84	F:TGAAAGAATTGCCAATGGTGAACCTTC R:CCAGAAGTTCCTGAGCTTGTGAGAAG	98.15%	0.9969
<i>CsSAUR50</i>	ACHR03000083	101217643	81	F:TGTCTACGTTGGTCAACACCGAAC R:TGGAGCAAGATTTGGAAAGGAGGATG	96.90%	0.9918

<i>CsPYR1</i>	ACHR03000083	101204882	96	F:GACGAGTTGAAGGACTTAGTAGCAGAG R:TGAACACGCTGAGCAAGTAAGGAG	98.87%	0.9985
<i>CsCS-ERS</i>	ACHR03000006	101205786	131	F:AAGTTGCTTGTGCTATTGTATCGTGTG R:GCCCATCTCCCTGTCAAGTTGTTC	103.11%	0.9891
<i>CsERFC3</i>	ACHR03000014	101206564	129	F:CGGAGATACGAGACTCAACCAGAAATG R:AATTAAGAACGGCGGCGGAACC	98.03%	0.9936
<i>CsBAK1</i>	ACHR03000006	101216386	132	F:GGGTCGTTTGGCTGATGGTTCTC R:AGACGGAGTAGATTACGGTGGACAG	95.48%	0.9915
<i>CsPAL</i>	ACHR03000006	101218856	148	F:AGCATCATCCTGGACAGATTGAAGC R:TGCGGTGAAGTTCTAAGAGCGTAAC	99.24%	0.9979
<i>CsPAO</i>	ACHR03000028	101213059	136	F:CCTTCTAGTCTCTCGTTTGTGGTTTCC R:AGTGAGTGGATCTAGTGGATGGTGAG	101.05%	0.9966
<i>CsAt4g34880</i>	ACHR03000006	101204792	136	F:GCTGACAGAGAACGAGAGGCTAATAAG R:TAGACCCAAGCAATGCGAATGATCC	92.08%	0.9816
<i>Csnad5</i>	HQ860792	11123919	148	F:CGCACAGATAGGATCGCATACTTGG R:AGCCGTAGGTGGGTATTCAAATAAAGG	99.45%	0.9906
<i>CsF3'M</i>	ACHR03000058	101207160	103	F:ATCGTGGAGGAGCATCGGAATTTG	102.28%	0.9822

				R:TTCATCTTCACCGTCATCCTTCATTG		
<i>CsHCT</i>	ACHR03000014	101207100	135	F:ACCCTGAGTTTCTGAGACAATTCCAAG	89.07%	0.9928
				R:CGTCATAAAGAGGAAGTCGGCAGAG		

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