

Table S1 Primer sequences of qRT-PCR

Gene name	Primer sequence(5'→3')	Product Length(bp)
<i>Actin</i>	F: ACTGGGACGACATGGAGAAG R: GCCAGAGGCATACAGGGATA	206
<i>Phycal1_545015</i>	F: TGTCTCTTGCTGTATTGGCTTCT R: GGCCTAGATGTTTCGTCGTAGG	144
<i>Phycal1_60287</i>	F: CGGCATTGGTGTGGAGAA R: GGAGTCATCGTTGTCTTGGA	160
<i>Phycal1_109356</i>	F: GTGGCGTGAAACAATGGA R: GACAGCAGATATGGTGACTC	154
<i>Phycal1_511993</i>	F: CAGGAATGCCAGCACTATCA R: TTCTCCATAGCCGACAATACG	199
<i>Phycal1_122133</i>	F: ACTGCTGCTACTGTCGTTATTG R: TCGCCTTGCTTGCTCTCAT	129
<i>Phycal1_98599</i>	F: CCATCGGCATCTGAGCAACAC R: AACTTGTAGCACACGCACCATT	127
<i>Phycal1_506019</i>	F: GCATCTTGGCTGATAGAGTTAT R: CGTGGTGACTTGGTGTTG	197
<i>Phycal1_503305</i>	F: CTTTACGCTCGCGGTTTG R: GTGCTCAGTGCTAGTCCAT	80
<i>Phycal1_546202</i>	F: TACAACGACCACCCTATCACTA R: CACGAATCAAGAATCCAGCCATA	121
<i>Phycal1_538155</i>	F: GAGGTCGTAGAGGCTATTAAGA R: CGCTCCATCGTGTACTTGA	128