

Table S1. Date palm primers list

Gene Name	Description	Primer Sequence (5'-3')	Accession Number
LSi-1	Low silicon 1 related gene <i>Oryza sativa</i> Japonica Group aquaporin NIP2-1-like	F: GACCTGTCTCGCATATCGCA R: TCCAGGGGAAATGCCTGAAC	XM_015770687.1
SOD	Superoxide dismutase [Fe], chloroplastic	F: GTTTGGGATTACTCGCCCCT R: GCATGCTGCACAAACAGAAC	XM_008807700.3
NCED1	9-cis-epoxycarotenoid dioxygenase	F: ACCTACTTCCGCTTTGACCG R: TGGGCTTCATGACGATCTGG	XM_008799733.3
SDR	Phoenix dactylifera short chain dehydrogenase/reductase	F: ATGTCTAAGCAGAGGTTGG R: CTTGTACTIONGCACTTGCCG	XM_008812671.4
PYL4	abscisic acid receptor PYL4-like	F: ATGCCTCACCCCGCT R: CACCATCGAGCAGCATTGG	XM_008801643.3
PPMA-3	Phoenix dactylifera plasma membrane ATPase-3	F: GGATTCTGCTCACTCCCACT R: CTCCAAGGGTATGTTCTCCAAA	XM_039117314.1
PPMA-4	Phoenix dactylifera plasma membrane ATPase-4	F: GGAGGTTGCAAGGCTCCGT R: CCTCAACATCCATCGCCCAT	XM_008783611.4
ICE1-like	Phoenix dactylifera transcription factor ICE1-like, transcript variant X1	F: AAGTCAACCACCCAGGACCA R: CGTGATGGGCTTTGCACTTC	XM_008792480.4
SRC-2	BON1-associated protein 2-like	F: AGAAGCTCAAGGTGGCTCTG R: AGCCTGTAGCTAAGGAAGTGC	XM_039115615.1
Act	Phoenix dactylifera actin	F: ATTCTGCAGGACTGGGAAGC R: CGAACAGGTTGGCTGAATTGT	XM_008800105.4