Supplemental Table S1. Primer name and sequences used in this experiment

Primer names	Sequence (5′-3′)	Application
CDS III/3' PCR Primer	AAGCAGTGGTATCAACGCAGAGTGGCCATT ATGGCCGGG	Reverse transcriptase
SMART IV Oligonucleotide	ATTCTAGAGGCCGAGGCGGCCGACATGTTT TTTTTTTTTTTTTTTTTTTTTTTTTTVN	
P1-F	TACGATGTTCCAGATTACGCTGGATCCAAGC AGTGGTATCAACGCAGAGTGG	ds cDNA amplification
P2-F	TACGATGTTCCAGATTACGCTGGATCCAAA GCAGTGGTATCAACGCAGAGTGG	
P3-F	TACGATGTTCCAGATTACGCTGGATCCAAA AGCAGTGGTATCAACGCAGAGTGG	
P4-R	GGTATCGATAAGCTTGATATCGAATTCCTAG AGGCCGAGGCGGCCGACATG	
Prime M1	AAGCAGTGGTATCAACGCAGAGT	Homogenization
pPR3-N-F	CGGTAAAACCGGAACATTGGA	Colony PCR
pPR3-N-R	ACTTCAGGTTGTCTAACTCCT	
MsPYL8-F	ATCCTACGTCGTCGATCTGC	Real-time fluorescence PCR
MsPYL8-R	CGCAGCTTCTGGAGATTGA	
βactin-F	CAGCATCACTACCATCTGCAAC	Internal reference gene
βactin-R	CCGCCATCTTCTACTTCCTGTTT	

Notes: V: A, C or G; N: A, T, C or G; The red part is the pPR3-N vector homologous arm. P1-4-F differ by one nucleotide in length at the back of the TACGATGTTCCAGATTACGCTGGATCCAA to permit expression of ORFs in all the 3 possible reading frames.