Supplementary table S1 Cloning PCR system and reaction procedure

Reaction system		RT-PCR procedures			
Composition of reaction	Total (50μL)	Procedures	Temperature	Time	Cycles
MegaFi^{TM} Fidelity 2X PCR Master Mix	25μL	Initial denaturation	98℃	2min	1
Forward primer	2μL	Denaturation	98℃	10sec	35
Reverse primer	2μL	Primer annealing	50-72℃	30sec	
cDNA/DNA	100ng	Extension	72℃	33.3bp/sec	
ddH2O	Up to 50 μL	Final Extension	72℃	2min	1

Note: The annealing temperature of *the CaHY5* gene was 56℃ and the elongation time was 24 sec. The annealing temperature of the *CaHY5* insertion sequence was 56℃ and the elongation time was 9 sec. The annealing temperature was 57℃ and the elongation time was 18 sec.

Supplementary table S2 The primer table of qRT-PCR

Gene`s name	Sequence (For:5`-3`)	Sequence (Rev:5`-3`)
CaHY5	CAAGAGCAAGCGACAAGTTCC	CATCATCACTCTCCATGCCTTC
CaCOP1	ATTGGGCAAGAGAGTCGCAG	AACCCGTAGCCGACTGTATC
CaMYB113	CGGGAAGAACAGCAAAC	ATGAGAAGGTCCGAGGG
CaPAL	ATTGATTTTTGCAAGAAATCAATTC	GCTCCACTTTAGCCCCAC
CaC4H	GATTCCTTCCATTCGGTGTT	CCTTTCTCCGTGGTGTCG
Ca4CL	CTGGACCAGTGCTGGCAAT	GGTTACGGGGCAAAGAACAA
CaCHS	ACGGCGACTCCTTCAAACTG	GTTCCACCAGCAAAGCAACC
CaCHI	CCTTGCTGGTGCAGGGATTA	GGAACGGCACTCTCTTCCAT
CaF3H	GGCATGTGTGGATATGGACC	CCTCCGGTGCTGGATTCTG
CaF3'5'H	GATGGGGTGGCCGGTGATTG	GCCACCACAACGCGCTCG
CaDFR	CGGCTGGATTTATCGGCTCT	CTTCCACGGTCAAGTCTGCT
CaANS	TTCTCCTCCCAGACACCGAT	AATCACTCTGTGCTCCACGC
CaUFGT	GGATGGTGTCAAACAAGGC	GTTCAGTACAACACCATCTGC
ACTIN	TGCAGGAATCCACGAGACTAC	TACCACCACTGAGCACAATGTT

Note: The qRT-PCR reaction procedure includes preheating at 50℃(2min), Initial denaturation at 95℃(5min), denaturing at 95℃(10sec), annealing temperature at 60℃(1min), extension at 72℃(20sec), and 40 cycles. The melting curve stages include 95℃(15sec),60 ℃(1min), and 95℃(1sec).

Supplementary table S3 Recombinant primers for plasmid construction

Primer`s name	Sequence (For:5`-3`)	Sequence(Rev:5`-3`)
pCaHY5-AN580-GFP	cggagctagctctagaATGCAAGAGCAAGCGACAAGT	tgctcaccatggatccTTACTTCCTCCCTTCCTGTGCA
CaHY5-VIGS	gtaaggttaccgaattcCAGCTCTCCATCTTGAACTC	agctcggtaccggatccTTCCAATTCCTTCACCCTTG
pTRV2-Seq		AACAAAGTCCGTTCCCCTAT

Note: The underlined sequences are homologous arm sequences.