

Supplementary Table S1 Primers used in this study

Gene	Application	Description	Sequences (5'-3')
<i>FaCRY1</i>	Gene clone	Forward	ATGTCAGGTGGTAGTGGTTG
		Reverse	TTACCCAGTTTGAGATAGCCG
	Promoter clone	Forward	GGTTCAGGTTTGACAGATTTGATCCG
		Reverse	GATCTCTCCTGAACCAAACACTACTGC
	qPCR	Forward	CCATGGGATGTTAATGATG
		Reverse	CACCTGATATGATTCTCTTAG
	Subcellular localization	Forward	TCCGCGGCCGCCCCACTAGTATGTCA
		Reverse	GGTGGTAGTGGTTGCA
		Reverse	TTGCTGCCGCGCGGCACTAGTGACCCA
			GTTTGAGATAGCCGC
	pGBKT7-CRY1-BD	Forward	TGGCCATGGAGGCCGAATTCATGTCAG
		Reverse	GTGGTAGTGGTTGCAG
		Reverse	TAGTTATGCGGCCGCTGCAGTTACCCA
			GTTTGAGATAGCCGCCTCC
	Clone CRY1-BD2	Forward	ATGTCAGGTGGTAGTGGTTG
		Reverse	TGATTCAGAAGACTCTCCGAGCCC
	pGBKT7-CRY1-BD2	Forward	TGGCCATGGAGGCCGAATTCATGTCAG
		Reverse	GTGGTAGTGGTTGCAG
		Reverse	TAGTTATGCGGCCGCTGCAGTGATTCA
			GAAGACTCTCCGAGCCC
	Clone CRY1-BD3	Forward	TGGCCATGGAGGCCGAATTCATGTCAG
		Reverse	GTGGTAGTGGTTGCAG
		Reverse	TCTGCTTGGAAGATCCAAAGAACTTTCT
		Forward	TGGCCATGGAGGCCGAATTCATGTCAG
	pGBKT7-CRY1-BD3	Reverse	GTGGTAGTGGTTGCAG
		Reverse	TAGTTATGCGGCCGCTGCAGTCTGCTTG
			GAAGATCCAAAGAACTTTCT
		Forward	CTTGAGGTTTGTCTTGCAACTG
	Clone CRY1-BD4	Reverse	TTACCCAGTTTGAGATAGCCG
		Forward	TGGCCATGGAGGCCGAATTCCTGAGG
	pGBKT7-CRY1-BD4	Reverse	TTTGTCTTGCAACTGGAGC
		Reverse	TAGTTATGCGGCCGCTGCAGTTACCCA
			GTTTGAGATAGCCGCCTCC
		Forward	AAGAGAATCATATCAGGTGATGCATC
	Clone CRY1-BD5	Reverse	TTACCCAGTTTGAGATAGCCG
		Forward	TGGCCATGGAGGCCGAATTCAAGAGAA
	pGBKT7-CRY1-BD5	Reverse	TCATATCAGGTGATGCATCAAGG
		Reverse	TAGTTATGCGGCCGCTGCAGTTACCCA
			GTTTGAGATAGCCGCCTCC
		Forward	CTGAAATCTATTGGTCTTAGGGAGTATT
	Clone CRY1-BD6	Reverse	C
		Reverse	TTACCCAGTTTGAGATAGCCG

	pGBKT7-CRY1-BD6	Forward	TGGCCATGGAGGCCGAATTCTTTCTGA
		Reverse	AATCTATTGGTCTTAGGGAGTATTCAAG
	Overexpression	Forward	TAGTTATGCGGCCGCTGCAGTTACCCA
		Reverse	GTTTGAGATAGCCGCCTCC
<i>CSN5A-like</i>	Gene clone	Forward	tttacgaacgatagggtaccATGTCAGGTGGTAGT
		Reverse	GGTTGCAG
	pGADT7- <i>CSN5A-like</i>	Forward	tgatTTTTgcggacTCTAGATTACCCAGTTTGA
		Reverse	GATAGCCGCCT
<i>JAZ5</i>	Gene clone	Forward	atggatgcggaaatagcgag
		Reverse	tcaactttcaatcattggctcagg
	pGADT7- <i>JAZ5</i>	Forward	CCATGGAGGCCAGTGAATTCatggatgcgga
		Reverse	aatagcgag
<i>NDUFB9</i>	Gene clone	Forward	AGCTCGAGCTCGATGGATCCtcaactttcaatc
		Reverse	attggctcagg
	pGADT7- <i>JAZ5</i>	Forward	atggccgagagatccaac
		Reverse	ctatagcctgagtccaagctgc
<i>eIF3G</i>	Gene clone	Forward	CCATGGAGGCCAGTGAATTCatggccgaga
		Reverse	gatccaac
	pGADT7- <i>eIF3G</i>	Forward	AGCTCGAGCTCGATGGATCCctatagcctgag
		Reverse	ttcaagctgc
<i>NF-YC9</i>	Gene clone	Forward	atgagcggagtttcaacg
		Reverse	ctaggcattatcttctcgcca
	pGADT7- <i>NF-YC9</i>	Forward	CCATGGAGGCCAGTGAATTCatgagcggagt
		Reverse	ttcaacg
<i>Actin</i>	Housekeeping gene for strawberry	Forward	AGCTCGAGCTCGATGGATCCctaggcattatc
		Reverse	ttctcgcca
	pGADT7- <i>eIF3G</i>	Forward	atggctttagtgcgaccag
		Reverse	ctaattcgccctgggtgt
<i>Kanamycin</i>	Detection	Forward	CCATGGAGGCCAGTGAATTCatggctttagtgcgaccag
		Reverse	AGCTCGAGCTCGATGGATCCctaattcgccctgggtgt
	pGADT7- <i>NF-YC9</i>	Forward	atggatcagcaaggacatgg
		Reverse	ctaatgatcagatgggtgattgctg
	Housekeeping gene for strawberry	Forward	CCATGGAGGCCAGTGAATTCatggatcagcaaggacatgg
		Reverse	AGCTCGAGCTCGATGGATCCctaatgatcaga
	Detection	Forward	tggtgattgctg
		Reverse	CCGGGTTTGCTGGAGATGAT
	Housekeeping gene for strawberry	Forward	CTTTTGGATTGAGCCTCGTC
		Reverse	CTCTGATGCCGCCGTGTTT
	Detection	Forward	CATTCGCCGCCAAGCTCTTC
		Reverse	CTTTTGGATTGAGCCTCGTC

<i>NtCOP1</i>	qPCR	Forward	GCTTGTGGTCATAGTTTCTGC
		Reverse	TTGCACCTCATTTAGTTCATC
<i>NtHY5</i>	qPCR	Forward	CCATCAAGCAGCGAGAGGTC
		Reverse	GCATTAGAACCACCACCACC
<i>NtActin</i>	Housekeeping gene for tobacco	Forward	CATCAGGAAGGACTTGTACGG
		Reverse	GATGGACCTGACTCGTCATAC
<i>NtCO</i>	qPCR	Forward	CCCGCATAACATGCAGCAAACCT
		Reverse	TATCAGCGTCGCAGGAGGCACA