

Table S2 Primers used in this study

Destination	Primer Names	Primer sequences (5'-3')
NYE1 expression	NYE1-RT-F	GCAAGGATGGGCAAATAGG
	NYE1-RT-R	CACCGCTTATGTGACAATGAAC
NYC1 expression	NYC1-RT-F	TTCTCAGTGGTTCGAGCATT
	NYC1-RT-R	AGGTAATTGACGGCTTTTCC
PPH expression	PPH-RT-F	GGTGAGACCGTTATGGGGAAAG
	PPH-RT-R	GCATCAGATAGTTCACCACCTCAG
SOC1 expression	SOC1-RT-F	ATAGGAACATGCTCAATCGAGGAGCTG
	SOC1-RT-R	TTTCTTGAAGAACAAGGTAACCCAATG
SAG113 expression	SAG113-RT-F	CGGGTGGTCGTGTTATCTACTG
	SAG113-RT-R	CCTCCGGTCTGCTGATTACATAC
NAP expression	NAP-RT-F	TCAACCTGATTCGGAGTCT
	NAP-RT-R	ATGTACCCAACTAACCAATA
KAT2 expression	KAT2-RT-F	GTATCGGTCCAGCAGTTG
	KAT2-RT-R	CTCCGTTGACATTGATTTT
PPDK expression	PPDK-RT-F	TAACAACAGAGCAAAGGAAA
	PPDK-RT-R	CATCTTCTTTCACACCAGTTT
ORE1 expression	ORE1-RT-F	ACGAGGCATCAAGAATCGTC
	ORE1-RT-R	TCACCAATGGCAGTAGCAGA
GNC expression	GNC-RT-F	AAATACAATCACTCTCCTCCA
	GNC-RT-R	AACATTATTGTCAAATCATCG
GNL expression	GNL-RT-F	TTGCCCTAAAGGTAAACA
	GNL-RT-R	ATCTTGAGGGAAAACCTTGCT
β -ACTIN2 expression	ACT2-RT-F	GGCTCCTCTTAACCCAAAGG
	ACT2-RT-R	CACACCATCACCAGAATCCA
PPH probe	PPH-probe-F	ATTATTCTGTCATATTTTTGCAACAAACAT
	PPH-probe-R	ATGTTTGTGCAAAAATATGACAGAATAAT
PPH CArG-mut probe	PPH-mutprobe-F	ATTATTCTGTCCCCCCCCCAACAAACAT
	PPH-mutprobe-R	ATGTTTGTGGGGGGGGGGGACAGAATAAT
NYE1 probe	NYE1-probe-F	AGTCGAATGACATTAAATTGAACCGAAACT

	NYE1-probe-R	AGTTTCGGTTCAATTTAATGTCATTCTCGACT
NYE1 CArG-mut probe	NYE1-mutprobe-F	AGTCGAATGACCCCCCCCCCAACCGAAACT
	NYE1-mutprobe-R	AGTTTCGGTTGGGGGGGGGGTTCATTCTCGACT
SAG113 probe	SAG113-probe-F	ATTTACACAACAAAATATGGTAAGAATCTA
	SAG113-probe-R	TAGATTCTTACCATATTTTGTGTGTAAT
SAG113 CArG-mut probe	SAG113-mutprobe-F	ATTTACACAACCCCCCCCCTAAGAATCTA
	SAG113-mutprobe-R	TAGATTCTTAGGGGGGGGGTGTGTGTAAT
PPH ChIP	PPH-P1-F	TAAGAAAGGTTATGGTTACAGC
	PPH-P1-R	ACGGTGTTATTTGAGTTTTCT
PPH ChIP	PPH-P2-F	CGACCATTAGGATTTTTAGTTC
	PPH-P2-R	GATCTTCTTTCCATTGTGTAAC
PPH ChIP	PPH-P3-F	ACGGGTTTTATATTGTTTGA
	PPH-P3-R	GATCTGACATTGCTAATTTGAC
PPH ChIP	PPH-P4-F	CCCTACACTTAATAATACAGTATGA
	PPH-P4-R	CTCTGAGAGCGTTATTGAGAA
PPH ChIP	PPH-P5-F	CACCGAACGATTGAAGTTAA
	PPH-P5-R	GCTATATAATAAACCCAGGAAGA
PPH ChIP	PPH-P6-F	CGTTGGTTCATTTCACTATG
	PPH-P6-R	CTCCAGAGATCCAGAGAGAA
NYE1 ChIP	NYE1-P1-F	TTGTTGTTTACAAGATACGAC
	NYE1-P1-R	CAAACGCAGGTATTGATG
NYE1 ChIP	NYE1-P2-F	TCCATCAATACCTGCGTTT
	NYE1-P2-R	AAAGAGACACAGATTCGGCT
NYE1 ChIP	NYE1-P3-F	ACAAGAACCAACTCAATACG
	NYE1-P3-R	GCTTGGATACAATTTTTTCA
NYE1 ChIP	NYE1-P4-F	CTCTTGTTTGGGTCTATTT
	NYE1-P4-R	CATTACTAAGACTATGAGACCA
SAG113 ChIP	SAG113-P5-F	TTTGTTTCCAACCTTTCTAT
	SAG113-P5-R	CATCACTTTCATCACAACCTTAC
SAG113 ChIP	SAG113-P6-F	TTATTTATTATTTCAATTTATTGGA
	SAG113-P6-R	AACAGTGACACGAAGGATTA

pCAMBIA1301 pPPH(1110)	PPH-1110-Kpn1-F	ATAGGTACCGTGGGATTAAATTGCGAGGAAA
	PPH-1110-Xho1-R	ATACTCGAGAACAAGTTCCTGCAAATGAACA
pCAMBIA1301 PPH	PPH-Sal1-F	ATAGTCGACATGGAGATAATCTCACTG
	PPH-Spe1-R	ATAACTAGTCTATGCAGACTTCCCTCC
pAbAi pPPH(1110bp)	PPH-1110-Kpn1-F	ATAGGTACCGTGGGATTAAATTGCGAGGAAA
	PPH-1110-Xho1-R	ATACTCGAGAACAAGTTCCTGCAAATGAACA
pAbAi pPPH(317bp)	PPH-317-Kpn1-F	CGGGTACCATAGTGATTAAACCATTTC
	PPH-317-Xho1-R	ATACTCGAGCGTTTTTATCGAGTTTTT
pGADT7 SOC1	SOC1-Nde1-F	ATACATATGATGGTGAGGGGCAAACACTCA
	SOC1-BamH1-R	ATAGGATCCTCACTTTCTTGAAGAACAAG
pMAL-c5G SOC1	SOC1-Nde1-F	ATACATATGATGGTGAGGGGCAAACACTCA
	SOC1-BamH1-R	ATAGGATCCTCACTTTCTTGAAGAACAAG
pTA7002 SOC1	SOC1-Xho1-F	ATACTCGAGATGGTGAGGGGCAAACACTCA
	SOC1-Spe1-R	ATAACTAGTTCCTTTCTTGAAGAACAAG
pCAMBIA1302 SOC1	SOC1-GFP-Kpn1-F:	ATAGGTACCATGGTGAGGGGCAAACACTCA
	SOC1-GFP-BamH1-R:	ATAGGATCCCTTTCTTGAAGAACAAGG
pGreen II 0800 pNYE1	NYE1-1519-Sal1-F	ATAGTCGACTCTGAGATCCAAATCCCTA
	NYE1-1519-Spe1-R	ATAACTAGTCTCTGCTCTTGAACC
pGreen II 0800 pSAG113	SAG113-1000-Kpn1-F	ATAGGTACCGAAGTATTCACGCACCAA
	SAG113-1000-Xho1-R	ATACTCGAGGTGATCGTCAAACACTATT
pGreen II 0800 pPPH	PPH-1110-Kpn1-F	ATAGGTACCGTGGGATTAAATTGCGAGGAAA
	PPH-1110-Xho1-R	ATACTCGAGAACAAGTTCCTGCAAATGAACA
pGreen II 0800 pmPPH	mPPH-F	ATTATTCTGTCCCCCCCCCAACAAACAT
	mPPH-R	ATGTTTGTGGGGGGGGGGGACAGAATAAT
Genotyping of <i>soc1</i>	<i>soc1</i> -LP	AAGGATGAGGTTTCAAGCGTC
	<i>soc1</i> -RPC	TGGCGAATTCATAAAGTTTGC
	LBb1.3	ATTTTGCCGATTCGGAAC
Genotyping of <i>pph-1</i>	<i>pph-1</i> -LP:	CTACCAATCCTGGACTCCTCC
	<i>pph-1</i> -RPC:	GGCGGGATTTAATCAAGAGAC
	LBb1.3	ATTTTGCCGATTCGGAAC