

Table S1: Oligonucleotide primers used in this study

Name	Sequence (5'-3')
Overexpression vector construction	
OE_Cp5433_F	CATCACATCACAATCGATCCAACCATGGACCATTCCATTGGCG
OE_Cp5433_R	CATCTTATCTACATACGCTAAGCCTACAATCTTCGCAGCATGT
OE_PKS4_F	CATCACATCACAATCGATCCAACCATGGCGATCTATACCCCGAAC
OE_PKS4_F1	GCACAGCTGGCGCGTGGCGATGG
OE_PKS4_R	TAATCATACATCTTATCTACATACGTCAGCTATAATATTCCTCGAGC
OE_PKS4_R1	CCATCGCCACGCGCCAGCTGTGC
Knock out vector construction	
PKS4_5F	CCAGGGTTTTCCCAGTCACGAGGATCCTACGATCTATCTCTGGCACC
PKS4_5R	CACTTAACGTTACTGAAATCCGAGCTTCTTCAATGCAACG
PKS4_3F	TCCTTCAATATCATCTTCTGTCTTCAGCACCAGGCAAGTCC
PKS4_3R	ACAATTTACACAGGAAACAGCGGATCCCCACGAAATCTACCAGACAGG
CpBle1F	CGGAGACAGAAGATGATATTGAAGGAGCGATCGAGACCTAATACAGCCCC
CpBle1R	GTTGGAGATTTCACTAACGTTAAGTGGGCATTGCAGATGAGCTGTATCTG
Diagnostic PCRs	
PKS4_diagn5F	ATCTGCTCAACGTCTGGCAGC
PKS4_diagn3R	GTTAGGTATAGGCGCACTTTGG
Phleo-hi3F2	GTGTTCAAGATCTCGATAAGATACG
Phleo-hi3F	GGCTCAAGTCATGACCCTCTGGG
cp5437_F1	TGTCAGAGCTGCTTGAAGC
cp5437_R1	CACCTCACGATAATCGTCC
PoliC_F	GTCAAGATTTGCGTCCGAGG
Tgluc_R	CATATGGTAACGCCACATGAGG
cp5437_F4	CCTCACATCGGCATAAAGG
cp5437_R5	GAATGTGTAGATTGCGCTTCG
Expression studies (qRT PCR)	
Actin uni	GCCGTTTTCCCTCTATCGTC
Actin rev	ACATACGAGTCCTTCTGACCCAT
Tub uni	TACAATGGTACCTCGGAGCAAC
Tub rev	CCAGAGGCCTCATTGAAGTAGAC
Gpd uni	CCCGAATATGCTGCCTACATGCT
Gpd rev	CGTCCTTCTTGATCTCGCCCT
RTq_LN4_F	GGCCAAAATCCAGGCAAGTTCAC
RTq_LN4_R	ACTCCACCGGTGTGATCGC
Expression studies (northern)	
cp5422.1 F1	AACACCGAGCCACCGAAAGC
cp5422.1 R1	ATCTGAACGGCTATGAATGC
cp5423.1 F1	ACGAAGCAGCGATGCTTGG
cp5423.1 R1	TCACGACCAATCTCCATCC
cp5424.1 F1	ATGGAATCGACCATCCCAGC
cp5424.1 R1	CTACTCCACACTCGCGTCAG
cp5425.1 F1	ATGCCTGCCCCTGCCGAGG
cp5425.1 R1	TCGCCGTGGGAGGCTGTCC
cp5426.1 F1	ATGCCTGCCCCTGTCTGAG
cp5426.1 R1	CTAAGAACCTGCCACCGC
cp5427_F1	ATGGCATCAACTACGGGAAC
cp5427_R1	TCGAGCCTTCCACTCAACC
cp5428_F1	TCACTCCGCAAAGATTTTGTCTG
cp5428_R1	ATGTCTAAAACTCCCTCGTACG
cp5429_F1	ATGTCGGAAACTCACATTCC
cp5429_R1	TCATGCAGCTCCTCCATCC
cp5430_F1	ATGGCCTCATACGCAGTGC
cp5430_R1	TTACGGCAAATACGGATGTAG
cp5431_F1	ACATCGAATGCGAGCTCTCC
cp5431_R1	CACAGAACATGACAAGTATCC
cp5432_F1	TGGCTTGCATACCTCTCAGC

cp5432_R1	CATCTGATACATGATCAATCC
cp5434_F1	ATGAAGATGGGCATGGCCAAG
cp5434_R1	CTACACGGCCTTTCCATCC
cp5435_F1	ATGCTCCGAGGGTTTGCC
cp5435_R1	TCAGTTCGCGGATCCGACG
cp5436_5F	GTGACAAGGGCGGATATAGG
cp5436_3R	CTACTCTACAGAGTACCACCG
cp5437_F1	TGTCAGAGCTGCTTGAAGC
cp5437_R1	CACCTCACGATAATCGTCC
cp5438_F1	ATGGAACCAGCCACGAGAG
cp5438_R1	CTATGTCTGAGCGCAGGCTG