

Table S4. PCR primers used for gene expression analysis

Enzyme name	Primer	Primer sequence (5'-3')	Fragment size(bp)
acetyl-CoA C-acetyltransferase	<i>ACAT2-F</i>	TACAAGTGATTGCGAAGA	132
	<i>ACAT2-R</i>	GTGGATGTCCCAAAGATA	
hydroxymethylglutaryl-CoA synthase	<i>HMGS-F</i>	TGATTTTCGCTCCATTTCT	115
	<i>HMGS-R</i>	CCTTCTCCCTCATCTGCT	
hydroxymethylglutaryl-CoA reductase	<i>HMG1-F</i>	TTGTGAAATGCCAGTCGG	115
	<i>HMG1-R</i>	CGCCACCAAACATCCCTC	
mevalonate kinase	<i>MK-F</i>	AGGGTATAAACCTGCAAAG	123
	<i>MK-R</i>	TTCACAGATTCCGACAAA	
diphosphomevalonate decarboxylase	<i>MVD-F</i>	AGTGCTTGTCGCAGTTTG	110
	<i>MVD-R</i>	TCATCCCAGTGCTTCTCA	
geranylgeranyl diphosphate synthase, type II	<i>GGPS1-F</i>	TCCTCGCTTTTCGCCTTCG	129
	<i>GGPS1-R</i>	CCACAACCTTGCCCTGCTA	
farnesyltransferase A	<i>FTA-F</i>	CCAACGCTCCGTGCCTTTC	138
	<i>FTA-R</i>	GCCTAAACTGCCATACTCC	
STE24 endopeptidase	<i>ERA1-F</i>	ATTCGACCTTGGATTTGC	131
	<i>ERA1-R</i>	CCGCCATAGCCACCATCT	
STE24 endopeptidase	<i>ATSTE24-F</i>	TTGGCCGGTGTTATGTTT	107
	<i>ATSTE24-R</i>	GCTGCGACAATAGGTGGT	
farnesylcysteine lyase	<i>FCLY-F</i>	TCCTCCGTTGCTCACTTC	116
	<i>FCLY-R</i>	AGGGAGACAGTAGCCATC	
farnesol kinase	<i>FOLK-F</i>	TCCCTACAACAGAAACAAA	143
	<i>FOLK-R</i>	CAACCAAGAAACCCAAAC	

1-deoxy-D-xylulose-5-phosphate synthase	<i>CLAI-F</i>	TGGTTGTGATGGCTCCTT	142
	<i>CLAI-R</i>	ATGCCTTTGTTCCCTGAT	
1-deoxy-D-xylulose-5-phosphate reductoisomerase	<i>DXR-F</i>	AGCACAGCAGCCTCCTCCA	138
	<i>DXR-R</i>	TCCGCAACTATGTCCAAT	
2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase	<i>ISPD-F</i>	TCATTAAGCTGGAGTTGC	104
	<i>ISPD-R</i>	TACGGGATGTTTGAGGTG	
4-diphosphocytidyl-2-C-methyl-D-erythritol kinase	<i>CDPEMK-F</i>	GCAGCAAATCAGTTCAGT	131
	<i>CDPEMK-R</i>	ACGACCTCACCTCTACCG	
(E)-4-hydroxy-3-methylbut-2-enyl-diphosphate synthase	<i>HDS-F</i>	GGCTGGCTAAGTTTGGTA	147
	<i>HDS-R</i>	CGCCTCTATAATCCACCTC	
4-hydroxy-3-methylbut-2-en-1-yl diphosphate reductase	<i>HDR-F</i>	TATCAAGGATGGGAAGAA	136
	<i>HDR-R</i>	TGGGCAAGTGGTATCAAC	
isopentenyl-diphosphate Delta-isomerase	<i>IPPI-F</i>	AAACCCTCCCATCTTCAC	133
	<i>IPPI-R</i>	AGCGTCCATCCCAGCATC	
	<i>IPP2-F</i>	CTGCTCGCATTCGGTTCA	
	<i>IPP2-R</i>	CAGGGTTTGGATTACATTA	
geranylgeranyl diphosphate synthase, type II	<i>GPS1-F</i>	GGTTGCGGTCAATGGTAG	150
	<i>GPS1-R</i>	AAGCTGGTTCAGGTATCG	
	<i>GGPS1-F</i>	TCCTCGCTTTCGCCTTCG	
secretory phospholipase A2	<i>GGPS1-R</i>	CCACAACCTTGCCCTGCTA	129
	<i>PLA2-F</i>	CTTGACGCTTGTTGTATG	
	<i>PLA2-R</i>	GTGAATGTCGGTTCTCCT	
alpha/beta-Hydrolases superfamily protein	<i>LCAT3-F</i>	ATGAAGCTGGCAGAGGAA	147
	<i>LCAT3-R</i>	AGCCCATTTGAGGATAGA	
	<i>LCAT2-F</i>	CGCCAGAGTAACAGAGCA	107
	<i>LCAT2-R</i>	AAGATTAGAAGCGGTAGATT	

	<i>DAD1-F</i>	TTGACACGGCATCACCAG	112
	<i>DAD1-R</i>	GTTGCACGCAAATTCCTC	
	<i>LOX6-F</i>	CGAATACGCTGCTAACTT	113
lipoxygenase	<i>LOX6-R</i>	AACCGTGAACGACAATCT	
	<i>LOX2-F</i>	GATGCTACTGGCTGCTGG	143
	<i>LOX2-R</i>	CTAAGTTGCCTGTTGCTC	
hydroperoxide lyase	<i>HPL1-F</i>	AATGCCTACGGCGGTTTC	104
	<i>HPL1-R</i>	TTTGCTCTTACTTCTCCCT	
hydroperoxide dehydratase	<i>AOS-F</i>	CAAACCTCCACTCCCAACTC	101
	<i>AOS-R</i>	ACTTCATCAACGGCATCT	
allene oxide cyclase	<i>AOC4-F</i>	TTGACATACGAGGACACG	106
	<i>AOC4-R</i>	ACAGCTTGAACGGGAACA	
	<i>OPR2-F</i>	CCACTCCATAACCCTCTT	129
	<i>OPR2-R</i>	TCCTTTGCTGGTCCTCTG	
12-oxophytodienoic acid reductase	<i>OPR3-F</i>	ACATTGCCCTGGGATTTA	141
	<i>OPR3-R</i>	CCACTCGGTTGATACACTT	
	<i>OPR1-F</i>	TTATTGCTGCTGGTGGGT	148
	<i>OPR1-R</i>	TTGTACTTGTTTAGTGGTGC	
	<i>ACX3-F</i>	CCCACAGTTGAATACATCC	115
	<i>ACX3-R</i>	AACCAGTAGACCACCAGAG	
acyl-CoA oxidase	<i>ACX2-F</i>	TCCCAACCAAATCCAGTA	124
	<i>ACX2-R</i>	TAAGTCTCACGGCAACAC	
	<i>ACX4-F</i>	CATCCATCTTTCCTCCTTG	126
	<i>ACX4-R</i>	TCGCCATTATTGGTGCTA	
enoyl-CoA hydratase	<i>MFP2-F</i>	CTGATACTGTCGGTCCTAA	118
	<i>MFP2-R</i>	AGTGGTATGCCTTTCGTT	

acetyl-CoA acyltransferase 1	<i>PKT3-F</i>	CATATCGGACTGCACTTT	115
	<i>PKT3-R</i>	CTTGGGTTTCAGATTTGTTT	
β -primeverosidase	<i>BPRIM-F</i>	CATGTACCCGAAAGGATT	124
	<i>BPRIM-R</i>	GATGCCGTCTTCAGTTGT	
β -glucosidase	<i>BGLU42-F</i>	GGGCATCCAGCCATTTGT	137
	<i>BGLU42-R</i>	TCACCGCCGTTTGAAGAG	
	<i>BGLU2-F</i>	CCACTCGTTCCGCCATTC	170
	<i>BGLU2-R</i>	AGCGTCAGTGCCGTAGAG	
	<i>BGLU15-F</i>	ATCATGGAAGCAGTGGGAGA	101
	<i>BGLU15-R</i>	ACTATTACAATGGCGAAAG	
	<i>BGLU17-F</i>	TCACCACGGATTCTCATA	144
	<i>BGLU17-R</i>	CTGGGTTGTTGTACTTTT	
	<i>BGLU9-F</i>	TCACTACCATCGCTACTT	119
	<i>BGLU9-R</i>	TAACTTCTCCAAACCTCC	
	<i>BGLU5-F</i>	TTCGCACTATGACCCACT	131
	<i>BGLU5-R</i>	GGATACCAACACTACCCTTA	
	<i>BGLU41-F</i>	CTTCTCGCCCATGTTTAT	147
	<i>BGLU41-R</i>	TTGTTGGGCGTTTATTGT	
	<i>BGLU44-F</i>	AATTCTGCAACCGAGCCT	112
	<i>BGLU44-R</i>	TGCCAATCCTTCCCTTCT	
	<i>BGLU11-F</i>	TACCACCTCACTTCGTCT	139
	<i>BGLU11-R</i>	TTTACAGCTCCTCTTCCA	
aromatic-L-amino-acid decarboxylase	<i>AAS-F</i>	CCCGAGATTTTCAGGTTGT	135
	<i>AAS-R</i>	AATTTCCCGGTTGAGTTA	
primary-amine oxidase	<i>AO2-F</i>	TGCTGCTTGATATGGACAC	118
	<i>AO2-R</i>	TGTTGTTGGGCGTTTATT	

phenylacetaldehyde reductase	<i>PAR-F</i>	TAACAGTTCTTGCTCGTCC	135
	<i>PAR-R</i>	CTACCTCCCAACCTTTCT	
linalool synthase	<i>LIS1-F</i>	AGACTTCAGTGCCCAACA	114
	<i>LIS1-R</i>	GGGTCCCAACCATACTTT	
	<i>LIS2-F</i>	TGGCAGCCCTCACAGATC	163
	<i>LIS2-R</i>	TCCACAGCACCAAGTTCC	
	<i>LIS3-F</i>	AGCCATAGCTTTACTGATC	127
	<i>LIS3-R</i>	ACCTTCCGTCCTTGTCT	
	<i>LIS4-F</i>	TGGCAGCCCTCACAGATC	163
	<i>LIS4-R</i>	TCCACAGCACCAAGTTCC	
	<i>LIS5-F</i>	ACATGAAGGAGCACGAGG	129
	<i>LIS5-R</i>	GGGTGAAATTGGCAGAAA	
	<i>LIS6-F</i>	TTCTACTCGCTTTCGTCT	130
	<i>LIS6-R</i>	CAAACATCAACCCTCT	
farnesene synthase	<i>FS5-F</i>	GATAGCCAGGAAGAAGAT	141
	<i>FS5-R</i>	TGGTAAATAAAATGAGCC	
	<i>FS10-F</i>	TTTGGCAAAGAGTGATGT	114
	<i>FS10-R</i>	AGGATTGATGATGGAGCA	
	<i>FS9-F</i>	GATAGCCAGGAAGAAGAT	141
	<i>FS9-R</i>	TGGTAAATAAAATGAGCC	
