

Table S1. Primers used in this study

Gene	Forward primer (5' to 3')	Reverse primer (5' to 3')	Purpose
<i>miR395</i>	GCCGCTTACCTTTCATCACT	AGCAGACTCACCATCAACCT	Overexpressing construct
	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGACTGGATACGACGAGTTC		Reverse transcription
	GAGTTCCTCCcctaAAACACTTCAGGTTGTTGTTGTTATGGTCTAATTTAAA TATGGTCTAAAGAAGAAGAATGAGTTCCTCCcctaAAACACTTCAG		STTM construct
<i>VvAPS1</i>	ATGGCGTCCATTCCACACT	TTAAGCAGGAACAGTTTCCGGG	Overexpressing construct
	ATGGCGTCCATTCCACACT	AGCAGGAACAGTTTCCGGG	Subcellular localization
	AGAAGGTATTGAGCATGGCTC	CCGACGCCGTGTGCAGTCATCAGC	5' RACE
<i>VvGADPH</i>	TCTCTTTGGTGAGAAGCCAG	AGTCATCAGCAAAGCATGACCATTGTGC	5' RACE
<i>VvCAT</i>	TGCGGAGACATTCCTATTC	CTCCCAAATCAGATGGCAACATAG	RNAi construct
<i>VvAPX</i>	AAATGGGTCTCAGCGACAAG	CCAACAACGAACATAGGAGC	qRT-PCR
<i>VvCSD6</i>	CAGATTCCTTTCACATGGATCAAAC	TGTTGATGAAAACGCTCTTC	qRT-PCR
<i>VvMSD2</i>	GGTGGTTGAAACTACTGCAAATC	CAGGGTCCTCAAATCCAGA	qRT-PCR
<i>VvPAL</i>	CCGAACCGAATCAAGGACTG	TTATAGCTTACCCTTTCCAAGATCA	qRT-PCR
<i>Vv4CL</i>	ACTCTCTGAACAGCGTGCTT	GTAATCCGGCCTCACATTCTT	qRT-PCR
<i>VvSTS</i>	CGAAGCACTAGGCATGTGT	GTTCCAGCCACTGAGACAAT	qRT-PCR
<i>VvCHS</i>	ACCCACCTGGATTCTCTCG	CTGTCAATCCATAACCCCTGGC	qRT-PCR
<i>VvDFR</i>	GGCTTCTAGCGAGAGCGTA	CTCCCAAATCCAATCCCTCA	qRT-PCR
<i>VvLAR</i>	CGGTGGTAGCATTAAAGAGGTTT	GAAGGCTTCCACCAAGTCC	qRT-PCR
<i>VvUFGT</i>	TAGCACATGAGGCAGTTGGG	ACTCTCATTTCCGGCACATT	qRT-PCR
<i>VvCOI1</i>	GCTTGCTTGACACAGAGGAC	GGAGTTGCAGCAGATGTAGGTGT	qRT-PCR
<i>VvLOX</i>	AATGGTCAAGGAGAGCGCAA	CCTCCATTGAGCCCTTGGT	qRT-PCR
<i>VvPGIP</i>	TGTTGGTGACCTCCGTTCTCTC	CAATCAGGTTCTGGCCTCAA	qRT-PCR
<i>VvPIN</i>	GCAGAAACCATTAAAGAGGGAGA	TGTTCTGCTTTCCGGTCAAT	qRT-PCR
<i>VvChit4c</i>	GGCGACGAATCCATTATGTTA	ATCTGACCCGGTGAGGTTAGAGAGC	qRT-PCR
<i>VvNPR1</i>	TTGGTCCGGCCTTATCAGAGAC	TCTATCCGATGGTAGGGACACT	qRT-PCR
<i>VvPR-1</i>	CAATGGAGGGTGGTTCGTCA	CGGAACAAGGGTTTCATAATTC	qRT-PCR
<i>VvPR2</i>	TGCTGTTTACTCGGCACTTG	TCAGGCTCCTCAAAGCCAAG	qRT-PCR
<i>VvPG1</i>	GAATCAAGACATGGCAGG	CTCCATCTGCTCAACAATCTGG	qRT-PCR
<i>VvPME1</i>	GGATACCAGGACACACTGT	CTGGGGATTTCTGTTCTCA	qRT-PCR
<i>VvPME2</i>	TGGACCACTTTCCAATCGGG	TAATCCTAGCTTCCATGCA	qRT-PCR
<i>VvAPS1</i>	CTTCGCGGGTTCATGAGAGA	CTTCCATGGCCTACCGAGGTA	qRT-PCR
<i>miR395</i>	GCGCTGAAGTGTGGGG	AAGCGGCACAGGTAGAAGAC	qRT-PCR
<i>VvAPR</i>	ATGGCTGGTTGTGCTCTATG	AGTCCCCAAGTTCTGGCTA	qRT-PCR
<i>VvSiR</i>	CCAGGAAACGGCAGATAACA	AGTGCAGGGTCCGAGGTATT	qRT-PCR
<i>VvOASTL</i>	ATGGCTGTGTAGCTCGTATTG	CTTTCCACCTTTATCCACTAC	qRT-PCR
<i>VvGCL</i>	CTGGACAGAGTGCAGTTGTAA	CAGGAGTTCTGCTGACATAAG	qRT-PCR
<i>VvGS</i>	TGCTGGGTTGTGGAGTTTAG	GTAATGAGGCCCTTCTTCTG	qRT-PCR
<i>VvSiO</i>	CAGCAAATGTCCAACCTGAAAAG	TTGTGCGGCTCCTTGATAG	qRT-PCR
<i>NbPR1</i>	GGTGTAGAACCTTTGACCTGGG	GCCTTCTCTGTGGTTTCAT	qRT-PCR
<i>NbPR2</i>	TAGAGAATACCTACCCGCC	ACATAGCGGAATGACCAACTC	qRT-PCR
<i>NbPR4</i>	GTGACGAACACAAGAACAGGAA	AAATCGGCACTTCCCTCAGC	qRT-PCR
<i>NbPR5</i>	CAGAACAAGCTCGATTACG	GAGTGGAAGGTTATGTCGTGC	qRT-PCR
<i>NbHSC70-1</i>	AGGTGGAGACATGGGTGGT	CCACTCCATTTGTGTCCAAT	qRT-PCR
<i>NbHIST2H3A</i>	GGATGATGTGCTATGTTGATC	ACATTCACCACCTGCCTAC	qRT-PCR
		TCATTAGGCACACAGATCTCTG	qRT-PCR
		ACCAAACAGTTGAACTAAACAT	qRT-PCR