

Table S1. List of primers used for RT-qPCR.

Classification	Gene Name	Gene ID	Primer sequence(5'→3')
Reference gene	<i>VvActin</i>	VIT_04s0044g00580.1	F:CTTGCATCCCTCAGCACCTT R:TCCTGTGGACAATGGATGGA
Chl degradation related SAGs	<i>VvNYC1</i>	VIT_211s0016g03890.2	F:GGTGAATTGGAGGAGCAAGAGAAG R:GGAAACCCTAACAAACACGGACTT
	<i>VvNOL1</i>	VIT_201s0010g00590.1	F:GGCGATTACTGCTTCCGTGTC R:AAGGTGAGGAAGGCGTGAGAG
	<i>VvNOL2</i>	VIT_212s0035g01780.1	F:GCTCTCATCAGTCGCCTCTTCT R:CGTGCCAACTCTTCAACACTACT
	<i>VvSGRL</i>	VIT_218s0001g01210.1	F:ACCCTCTCCCACTGTGACTTTAC R:ACTTCCTTCCACTCAGCAACCA
	<i>VvSGR</i>	VIT_202s0025g04660.1	F:ACGCTTACGCATAGTGACATAACA R:ATTCTGCCACCACCTCATCTCTT
	<i>VvRCCR</i>	VIT_207s0031g00680.1	F:CCTACATCTCTGGTCCTCATTCT R:AGTTGTCTGCGACTCTCCAAT
	<i>VvHCAR</i>	VIT_205s0051g00070.2	F:AGTGGACAGGGATAGTGACAACAA R:TCATCTGGCGTCCTGGCTAAG
	<i>VvPAO1</i>	VIT_204s0008g07020.1	F:GCGGAGTATGATTGGAAGGAAGAG R:CCTTGCCATCACGATACAACACA
	<i>VvPAO2</i>	VIT_206s0004g00610.1	F:AGAGTCACAGCCAGGAAGAGAAG R:CACCACACCACCACATCAAGAC
	<i>VvPAO3</i>	VIT_206s0004g00620.1	F:CAAGAGAAAGCCGCATTCCAAGA R:GAGCCAACCTATGAGCACAAGC
	<i>VvPAO4</i>	VIT_206s0061g00790.1	F:TGAAGTTGTTGCGGTTGATGATGA R:GCGATTAGTGTCCAGGTCCTCA
	<i>VvPPH1</i>	VIT_204s0023g02010.1	F:GCTCTTCTTCAATCACAACCGACT R:ACCCGCAGCAACGATTTCCTT
	<i>VvPPH2</i>	VIT_213s0158g00180.2	F:ATCCTGCTCCTCAATCCAAGAA R:GGTCCTGCCATAAGTCAATAGAG
	<i>VvPPH3</i>	VIT_216s0022g01340.1	F:AGAGAGGAGCCCAGAGGTTGT R:GGTGAGGTTATAGGCAGTTGAAGC

	<i>VvFtsH6-1</i>	VIT_212s0028g01600.1	F:GGTGAGCCTGAGGTGACAACA R:TGAGCCGAGGTGTCCATAAGC
	<i>VvFtsH6-2</i>	VIT_214s0108g00590.1	F:CCAGAGAGCCCAAGTTGAATCCA R:ATCTCGGCAATCGCAACAGTTC
ABFs	<i>VvZIP08</i>	VIT_203s0063g00310.1	F:GGGCTACAGAGTGGAGGAATGG R:GAGCAGGCGATAATGAAGATGTGT
	<i>VvZIP25</i>	VIT_208s0007g03420.1	F:ACCGTAAGTCCAGTGTCTTCCG R:TGTCTCCGTTCCACCACCTTC
	<i>VvZIP45</i>	VIT_218s0001g10450.1	F:GCAGAAAAATCAGGTTATGGAG R:AGCACAGCAAACAATTCCCT
ABA receptors	<i>VvRCAR1</i>	VIT_215s0046g01050.1	F:TGATGGGAGACCAGGGACAC R:TTTGAGGTTGCAGTTGATGAG
	<i>VvRCAR2</i>	VIT_216s0050g02620.2	F:GGATGTGAAAGTGGGAATGG R:GGAAGATGGAAGAAGGGCTAC
	<i>VvRCAR3</i>	VIT_202s0025g01340.2	F:GGCAAAGCATTGAGGAAC R:GGGTAGCATTGAAAGGAAGAG
	<i>VvRCAR4</i>	GSVIVT00035869001	F:CTGTAATTGGAGGGGACCAC R:CACCACGTACGACTCCATCA
	<i>VvRCAR5</i>	GSVIVT00037390001	F:GTTTTTGTGCGACACCATCGTT R:TCATGACGATGACCTCTTGC
	<i>VvRCAR6</i>	VIT_213s0067g01940.1	F:CGGGTAACACGAAGGAGGA R:GGGGTGCAATAATCTAAAAGAG
	<i>VvRCAR7</i>	VIT_202s0012g01270.1	F:ACTACCGGTCGGTGACTACG R:TCCTCTGTGTTCCCTTCTGG
PP2C	<i>VvPP2C4</i>	VIT_211s0016g03180.1	F:TGGGCTTTGGGATGTTATGT R:TGTGCAGGAGTCTCATCAGC
	<i>VvPP2C9</i>	VIT_206s0004g05460.2	F:TTAAAGCCCTTCGTGAGCTG R:GACACCACGTCCCACAGAC
SnRK	<i>VvSnRK2.1</i>	VIT_202s0236g00130.1	F:TTTTTGTGGCAAACCCAGAT R:CAGCTTCCTCCATCCATCAT
	<i>VvSnRK2.3</i>	VIT_212s0035g00310.1	F:AGCTCTTTGAGCGAATCTGC R:CATGGAATGGCAATAGCTGA