

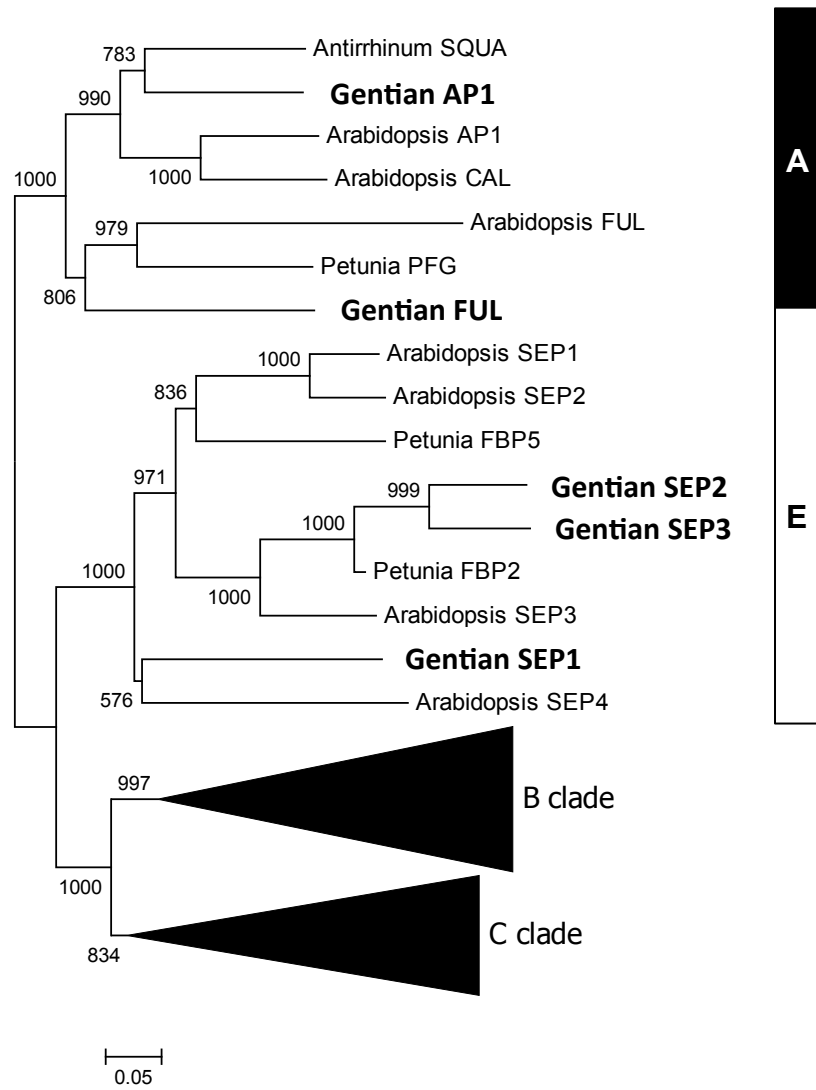
Supplementary Table S1. Sequences of primers used for RT-PCR and qRT-PCR analyses.

Targeted genes	Primer sequence (5' →3')		Fragment length
	Foward	Reverse	
For RT-PCR analysis			
<i>GsAP1</i>	AGCTCATGAGATTTTCAGTTCTG	GCGCGGTATCAAGTTGTTGCTC	292
<i>GsFUL</i>	TCTCTGTGCTTTGTGATGCTGA	GAAGCGGTGGTTGAATAGATAG	539
<i>GsTM6</i>	ACACCAGTCCTACCACCACGAC	ACACCATCTCCGTCAACAAACG	420
<i>GsAP3a</i>	AATACATCAGCCCCGCCACTAC	TATGAGCTCTGGTTGCTACTCG	505
<i>GsAP3b</i>	AGCTGACTGTTCTTTGTGATGC	AGGTCCACCTCCATTTGAAAAC	474
<i>GsPI1</i>	GGATTGAAAACACAAGCAACAG	TAGGGCATCCTCTAAAACCATC	334
<i>GsPI2</i>	TGGATCAATACCAGCAGTCTAC	TCCATTCTCCACCACTCCTTTC	310
<i>GsPI3</i>	AGGAGTACATTAGCCCATCAAC	GTAGAGACGCCTTTTTCAAGAG	216
<i>GsAG1</i>	ATTGTCTTCTCAACCCGTGGTC	CCTGGCGAGAATAATGCTGATT	537
<i>GsAG2</i>	CTAGCAGTGGTCGCCTTTATGA	CAATCTCAGCAGCCAACAACCTC	284
<i>GsSTK1</i>	GATGCTGAAGTTGCTCTTGTTG	TCATTGTATTCTTGCCCAGGTG	433
<i>GsSEP1</i>	TCTGTTCTCTGTGATGCTGAGG	AGGTGCTTGTTGTCTGCCTTCC	446
<i>GsSEP2</i>	CTCTGCAAGAGAAGCACTGGAG	CTGTAGTCTGGTATCCCATTG	409
<i>GsSEP3</i>	TCTGTTCTCTGTGATGCTGAGG	ATGAGGATTCGGATTCCATTGG	437
<i>GsActin2</i>	CTAAGCAAAGCCAGCAAGTCCT	CACCAGAATCCAGCACAATACC	505
<i>AtActin2</i>			
For qRT-PCR analysis			
<i>GsAP1</i>	GCATGGAGAATATCCTGGAGAG	TCTTTGCAGCAACTCAACCTTA	137
<i>GsFUL</i>	GATCAATGGCACTGAATCTCAA	GGGGATTCAGATCTTCTCCTTC	122
<i>GsAP2</i>	TTCTGGGAAGCAAGTTTATCTAGG	TCAGCTATGGTGAAGTTGATGTCT	120
<i>GsAG1</i>	GTGCAGATAGCTGAAAATGAGAGA	AAGCCATGGATTGATGATGATT	97
<i>GsAG2</i>	GGAAGGAAGGGTTGAGAAAGGA	GAGCTCAATCTCAGCAGCCAA	76
<i>Ubiquitin</i>	CGATTGATTTTGTGAAGCCAAAA	TCCGGCAAATATCAACCTCTG	77

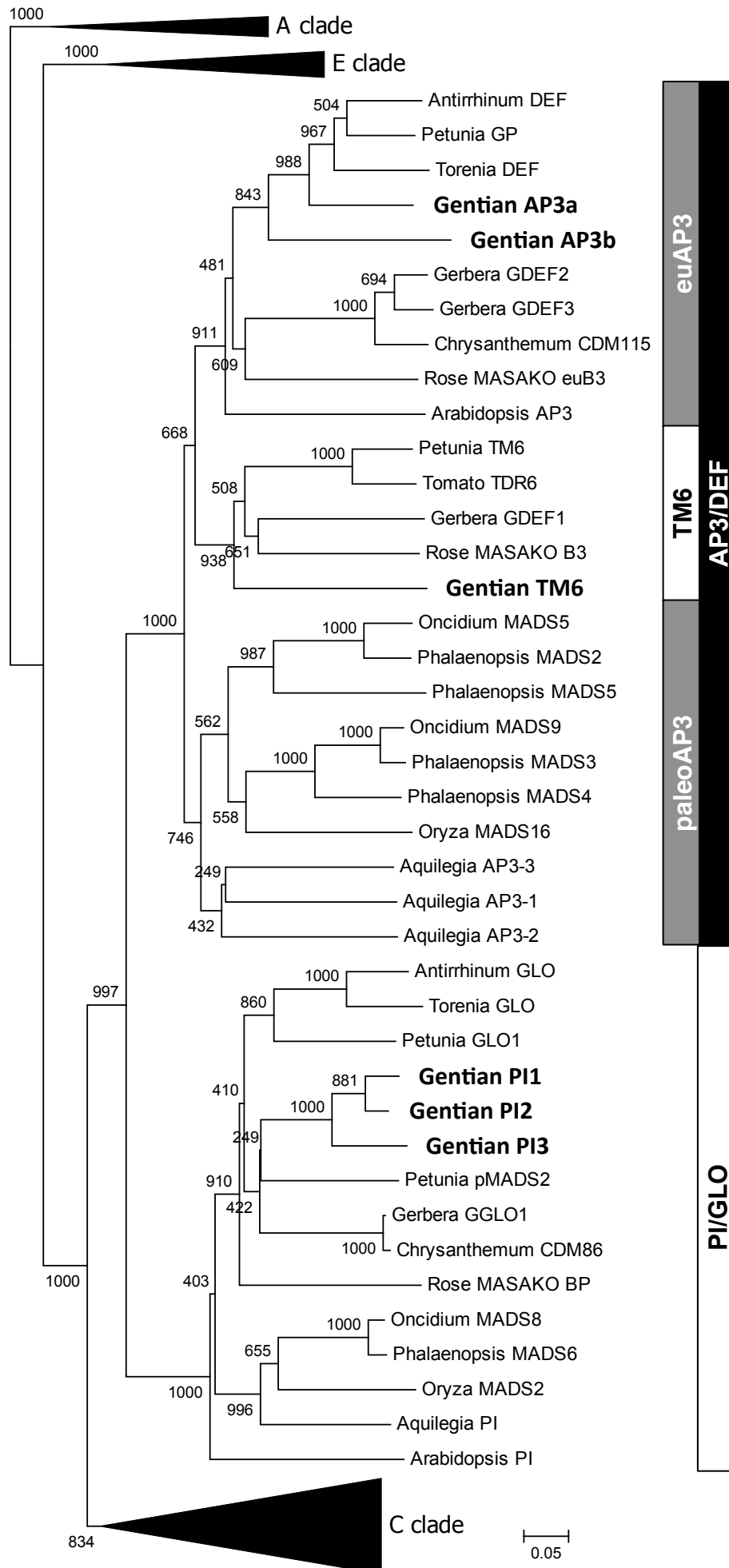
Supplementary Table S2. Sequences of primers used for ALSV vector construction.

Targeted genes	Primer sequence (5' →3')
GsAG1-U370(XhoI)	ctcgagAACAGGAACATGCTTGGGGAAG
GsAG1-L600(BamHI)	ggatccGGTGGCTCTCTCATTTTCAGC
GsAG2-U424(XhoI)	ctcgagTTGGAAGGAAGGGTTGAGAAAGG
GsAG2-L627(BamHI)	ggatccGTAATCAGATGCTGGCATGAA

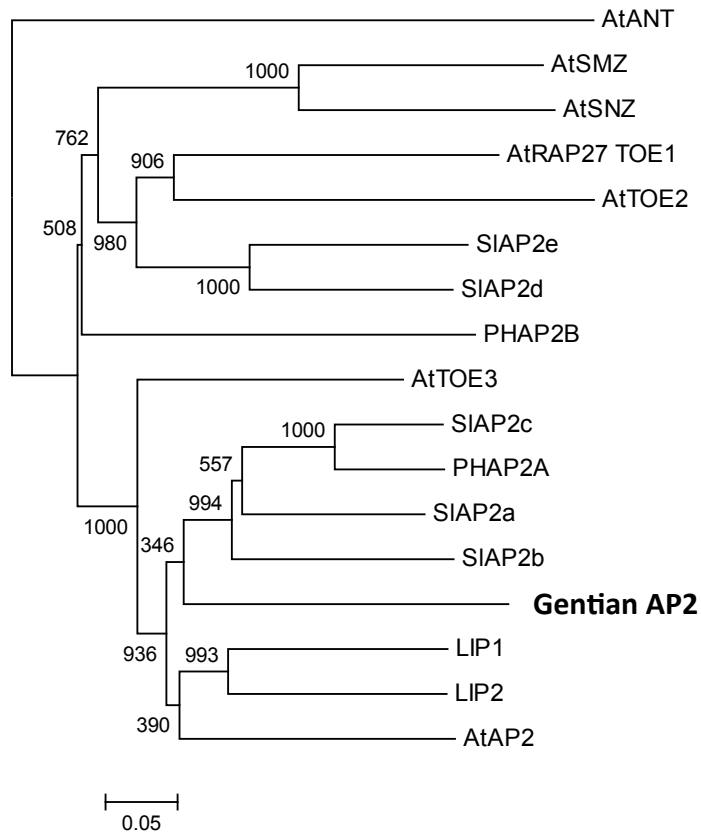
Supplementary Figure S1



Supplementary Figure S2

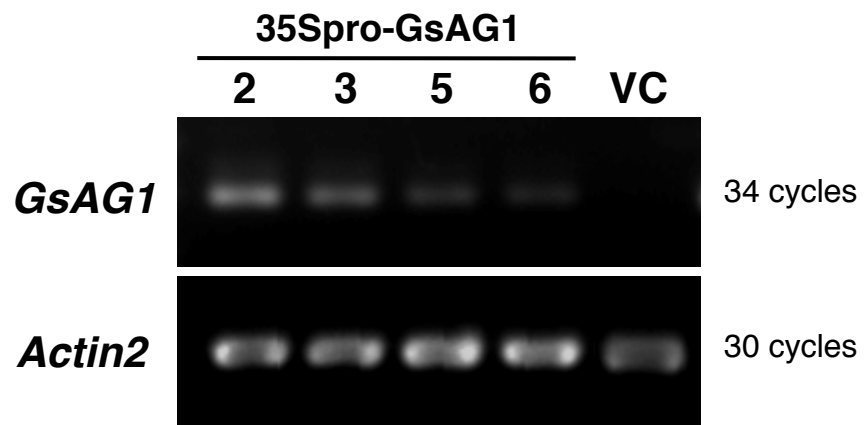


Supplementary Figure S3



Supplementary Figure S4

A



B

