Supplementary Table 1. List of primer sequences used in this study.

Gene	Forward Primer (5′-3′)	Reverse Primer (5′-3′)
For gene cloning		
PavDAM1	ACCAGCAGCGGCAGTCAAC	CAATCACAACCCTCCACTT
PavDAM2	CATTTTAATCCCTTCCTTCG	GCTGGCATGTAATAGATAGGT
PavDAM3	GGGATGGTGAAGATGATGAG	CGTTATCCTGTGCTGTGAC
PavDAM4	AACGAAGGGGGATGGTGAAAATGAAG	CTTAACCAAGGAAATTATGGACGCC
PavDAM5	AACCCACCAACGAAGATGGTGAGG	CTTTCTCCACTTCTTTAACGCCCCA
PavDAM6	GACAAAGGGAAACGGTGAA	TCCACTTCTTAACTAGGAAACTAGG
PavSOC1	CGCTTCCTTCTGTTAAAAATGGTGAGAGG	TCTGAGGAGAAGCTAGCGCTTCACTCTTC
For real-time qPCR		
PavACTIN	CGGTATTGCAGACGGATGAGC	GGTACTGAGGGATGCAAGGATGG
PavDAM1	AGGGGACGATGAAAATGATGAGG	GATAACTGCCACCTCAGATTCACA
PavDAM2	GTTAGAACAACTGGTGGACGCAAG	AGCTGCTGATGGTTGCATTTGTGG
PavDAM3	AGCCAACAACCAGTTAAGGCAGAC	GTCATCTCCAAGAGAGTGAGCACT
PavDAM4	AGCCAACAACCAGTTAAGGCAGAC	CAAGAGAGAGACTGAGAGCACTGTT
PavDAM5	AATTGAATGATCAAGAGATTGAA	CAGCTCTTCCTTAGTTTCCATG
PavDAM6	GAGTGAGATCATGTCACTGGAGAA	AGCTGGTAGAGGTGGCCATTGTG
PavSOC1	TCTCTGTGATGCTGAGGTTGC	TTTTGGTCAGTGGAAACGGAT
AtACTIN	GGTAACATTGTGCTCAGTGGTGG	AACGACCTTAATCTTCATGCTGC
AtSOC1	AGCTGCAGAAAACGAGAAGCTCTCTG	GGGCTACTCTCTTCATCACCTCTTCC
For subcellular localization		
PavDAM1	ACCAGTCTCTCTCTCAAGCTTATGAAAATG ATGAGGGAGAAG	GCCCTTGCTCACCATGGATCCTAAAAGCCCC AGTTTGAGAGA
PavDAM2	ACCAGTCTCTCTCTCAAGCTTATGGTGAAG ATGATGAGGAAG	GCCCTTGCTCACCATGGATCCGGGAAGCCCC AGTTTGAGAGC
PavDAM3	ACCAGTCTCTCTCTCAAGCTTATGGTGAAG ATGATGAGGAAG	GCCCTTGCTCACCATGGATCCGGGAAGCCCC AGTTTGAGAGA
PavDAM4	ACCAGTCTCTCTCTCAAGCTTATGGTGAAA ATGAAGAGGGAG	GCCCTTGCTCACCATGGATCCTGGACGCCCTA ATTTGAGAGA
PavDAM5	ACCAGTCTCTCTCTCAAGCTTATGATGAGG AATAAGATCAAG	GCCCTTGCTCACCATGGATCCACGCCCCAGTT TGAGGGATAA
PavDAM6	ACCAGTCTCTCTCTCAAGCTTATGATGAGG GAAAAGATCAAA	GCCCTTGCTCACCATGGATCCGGGAAGCCCC AATTTGAGAGA
For transgenic plants		
PavDAM1	ACCAGTCTCTCTCTCAAGCTTATGAAAATG ATGAGGGAGAAG	GCAGCTCGAGGATCCAAGCTTTTATAAAAGC CCCAGTTTGAG
PavDAM4	ACCAGTCTCTCTCTCAAGCTTATGGTGAAA ATGAAGAGGGAG	GCAGCTCGAGGATCCAAGCTTTTATGGACGC CCTAATTTGAG
PavDAM5	ACCAGTCTCTCTCTCAAGCTTATGATGAGG AATAAGATCAAG	GCAGCTCGAGGATCCAAGCTTTTAACGCCCC AGTTTGAGGGA
PavSOC1	ACCAGTCTCTCTCTCAAGCTTATGGTGAGA GGAAAAACCCAG	GCAGCTCGAGGATCCAAGCTTCTAGCGCTTC ACTCTTCTTTC
For yeast two-hybrid assay		
PavDAM1	TCAGAGGAGGACCTGCATATGATGAAAAT GATGAGGGAGAAG	TCGACGGATCCCCGGGAATTCCATCCTCTGCC TTAGCTGTTT
PavDAM4	TCAGAGGAGGACCTGCATATGATGGTGAA AATGAAGAGGGAG	TCGACGGATCCCCGGGAATTCTTATGGACGC CCTAATTTGAG
PavDAM5	TCAGAGGAGGACCTGCATATGATGATGAG GAATAAGATCAAG	TCGACGGATCCCCGGGAATTCTTAACGCCCC AGTTTGAGGGA
PavSOC1	GTACCAGATTACGCTCATATGATGGTGAGA GGAAAAACCCAG	ATGCCCACCCGGGTGGAATTCCTAGCGCTTC ACTCTTCTTTC
For bimolecular fluorescence complementation		
PavDAM1	GACGCCGGCGGATCCTCTAGAATGAAAAT GATGAGGGAGAAG	GCTCTGCAGGTCGACTCTAGACATCCTCTGCC TTAGCTGTTT
PavDAM5	GACGCCGGCGGATCCTCTAGAATGATGAG GAATAAGATCAAG	GCTCTGCAGGTCGACTCTAGATTAACGCCCC AGTTTGAGGGA
PavSOC1	GGTACCCGGGGATCCTCTAGAATGGTGAG AGGAAAAACCCAG	GCCACCGCCGTCGACTCTAGAGCGCTTCACT CTTCTTTCTGG

Supplementary Table 2. Proteins used for constructing phylogenetic tree and their accession numbers

Protein Name	**NCBI Accession Number**
Peach *(Prunus persica)*	
PpDAM1	DQ863253
PpDAM2	DQ863255
PpDAM3	DQ863256
PpDAM4	DQ863250
PpDAM5	DQ863251
PpDAM6	DQ863252
PpSVP	LOC18790353
Plum(*Prunus mume*)	
PmAGL24-like	LOC103319498
Chinese Cherry(*Prunus pseudocerasus*)	
PpsDAM3	KM243364
PpsDAM4	KM243365
PpsDAM5	KM243366
PpsDAM6	KM243367
Sweet Cherry(*Prunus avium*)	
PavMADS1	EU196362
Pear (*Pyrus pyrifolia* or *Pyrus x bretschneideri)*)	
PpyMADS13-1	AB504716
PpyMADS13-2	AB504717
PpyMADS13-3	AB774474
PpyDAM3-like	KP164028
PpyMADS1	KC261355
PpyMADS2	KC261356
PpyMADS13-3hh	KU844854
PbAGL24-like	LOC103964948
Apple (*Malus x domestica*)	
MdDAM1	KT582786
MdDAM2	KT582787
MdDAM4	KT582789
MdSVP-like	LOC103416871
Jujube(*Ziziphus jujuba*)	
ZjSVP-like	LOC107421277
Poplar(*Populus tomentosar*)	
PtMADS	AY501392
Walnut(*Juglans regia* or *Carya cathayensis*)	
JrSVP-like	LOC109013707

CcSVP-like	KJ546348
CcAGL24	KF918308
Arabidopsis thaliana	
AtSVP	AF211171
AtAGL24	NM118587