SUPPLEMENTARY DATA

Table S1. List of genes used in this study.

Gymnosperm orthologs of DEF/GLO-like genes	Accession number
Gnetum gnemon GGM15	AJ251555.1
Gnetum gnemon GGM2	AJ132208.1
Picea abies DAL11	AF158540.1
Picea abies DAL12	AF158542.1
Picea abies DAL13	AF158544.1
DEF-like genes	
Akebia trifoliata AktAP3.1	AY627630.1
Akebia trifoliata AktAP3.2	AY627631.1
Akebia trifoliata AktAP3.3	DQ303124.1
Amborella trichopoda AmAP3	AB154845.1
Antirrhinum majus DEF	AB516402.1
Aquilegia vulgaris AqvAP3.1	EF489478.1
Aquilegia vulgaris AqvAP3.2	EF489477.1
Aquilegia vulgaris AqvAP3.3	EF489476.1
Arabidopsis thaliana AP3	NM_115294.5
Brassica napus BnAP3-2	AY313941.1
Brassica napus BnAP3-3	DQ372719.1
Brassica napus BnAP3-4	DQ372720.1
Camellia japonica CjDEF	GQ141181.1
Camellia japonica CjTM6	GQ141161.1
Chloranthus spicatus CsAP3	AY397762.1
Chrysanthemum Dendrathema gr. CDM115	AY173060.1
Chrysanthemum Dendrathema gr. CDM19	AY173064.1
Davidia involucrata DiTM6	GQ141153.1
Dendrobium crumenatum DcOAP3A	DQ119838.1
Dendrobium crumenatum DcOAP3B	DQ119839.1
Eschscholzia californica EScaDEF1	EF378697.1
Eschscholzia californica EScaDEF2	EF378698.1
Eschscholzia californica EScaDEF3	HE573239.1
Euptelea pleiospermum EUplAP3_1	GU357449.1
Euptelea pleiospermum EUplAP3_2	GU357450.1
Gerbera hybrida GDEF1	AJ009724.1
Gerbera hybrida GDEF2	AJ009725.1
Gerbera hybrida GDEF3	FJ817421.1
Hedyosmum orientale HoAP3_1	JX069759.1
Hedyosmum orientale HoAP3_2	JX069760.1
Impatiens hawkeri IhDEF1	DQ493930.1
Impatiens hawkeri IhDEF2	DQ493929.1
Joinvillea ascendens JaAP3	DQ662238.1
Lacandonia schismatica Ls-AP3	GQ214161.1
Lilium longiflorum LMADS1	AF503913.1
Lilium regale LRDEF	AB071378.1

Liriodendron tulipifera LtAP3	KF925492
Medicago truncatula MtNMH7	JN412096.1
Medicago truncatula MtTM6	JN412097.1
Nicotiana benthamiana NbDEF	DQ437635.1
Nicotiana benthamiana NbTM6	AY577817.1
Nuphar advena Nu.ad.AP3.1	KF925495
Nuphar advena Nu.ad.AP3.2	KF925496
Oncidium 'Gower Ramsey' OMADS3	AY196350.1
Oncidium 'Gower Ramsey' OMADS5	HM140840.1
Oncidium 'Gower Ramsey' OMADS9	HM140841.1
Oryza sativa OsMADS16	AF077760.1
Osmanthus fragrans OfDEF	HQ853400.1
Osmanthus fragrans OfTM6	HQ853429.1
Pachysandra terminalis PAteAP3_1	GU357454.1
Pachysandra terminalis PAteAP3_2	GU357462.1
Papaver somniferum PapsAP3-1	EF071993.1
Papaver somniferum PapsAP3-2	EF071992.1
Petunia hybrida PHDEF	X69946.1
Petunia hybrida PHTM6	AF230704.1
Phalaenopsis equestris PeMADS2	AY378149.1
Phalaenopsis equestris PeMADS3	AY378150.1
Phalaenopsis equestris PeMADS4	AY378147.1
Phalaenopsis equestris PeMADS5	AY378148.1
Solanum lycopersicum TAP3	NM_001247148.1
Solanum lycopersicum TM6	XM_004232405.1
Taihangia rupestris TrTM6	DQ248946.1
Tulipa gesneriana TGDEFA	AB094965.1
Tulipa gesneriana TGDEFB	AB094966.1
Vitis vinifera VviAP3.1	EF418603.1
Vitis vinifera VviAP3.2	NM_001281008.1
Zea mays SILKY1	NM_001111481.1
GLO-like genes	
Akebia trifoliata AktPI	AY627634.1
Amborella trichopoda AmPI	AB154842.1
Antirrhinum majus GLO	AB516403.1
Aquilegia vulgaris AqvPI	EF489475.1
Arabidopsis thaliana PI	NM_122031.3
Brassica napus BnPI-1	EU159431.1
Brassica napus BnPI-2	EU159432.1
Brassica napus BnPI-3	EU159433.1
Camellia japonica CjGLO1	GQ141126.1
Camellia japonica CjGLO2	GQ141138.
Chloranthus spicatus CsPI	AF230710.1
Chrysanthemum Dendrathema gr. CDM86	AY173061.1
Davidia involucrata DiGLO1	GQ141110.1
Davidia involucrata DiGLO2	GQ141108.1
Eschscholzia californica SEI	EF378699.1

Euptelea pleiospermum EUplPI	GU357451.1
Gerbera hybrida GGLO1	AJ009726.1
Hedyosmum orientale HoPI_1	JX069754.1
Hedyosmum orientale HoPI_1A	JX069755.1
Hedyosmum orientale HoPI_1B	JX069756.1
Hedyosmum orientale HoPI_2	JX069757.1
Hedyosmum orientale HoPI_3	JX069758.1
Impatiens hawkeri IhGLO	DQ493931.1
Joinvillea ascendens JaPI	DQ662245.1
Lacandonia schismatica Ls-PI	GQ214162.1
Lilium longiflorum LMADS8	HQ698550.1
Lilium longiflorum LMADS9	HQ698551.1
Lilium regale LRGLOA	AB071379.1
Lilium regale LRGLOB	AB071380.1
Liriodendron tulipifera Lt PI	KF925493
Liriodendron tulipifera Lt PI2	KF925494
Medicago truncatula MtNGL9	FJ403469.1
Medicago truncatula MtPI	FJ403468.1
Nicotiana benthamiana NbGLO1	HQ005417.1
Nicotiana benthamiana NbGLO2	HQ005418.1
Nuphar advena Nu.ad.PI1	KF925497
Nuphar advena Nu.ad.PI2	KF925498
Oncidium 'Gower Ramsey' OMADS8	HM140842.1
Oryza sativa OsMADS2	L37526.1
Oryza sativa OsMADS4	L37527.1
Osmanthus fragrans OfGLO	HQ853419.1
Pachysandra terminales PAtePI	GU357455.1
Papaver somniferum PapsPI-1	EF071994.1
Papaver somniferum PapsPI-2	EF071995.1
Petunia hybrida PHGLO1	M91190.1
Petunia hybrida PHGLO2	X69947.1
Phalaenopsis equestris PeMADS6	AY678299.1
Solanum lycopersicum TPI	NM_001247146.1
Taihangia rupestris TrPI	DQ248947.1
Tulipa gesneriana TGGLO	AB094967.1
Vitis vinifera VviPI	NM_001280946.1
Zea mays ZMM16	NM_001111666.1
AG-like genes	
Amborella trichopoda Am.tr.AG	AY936231.1
Nuphar advena Nu.ad.AG	AY936230.1
AGL6-like genes	
Amborella trichopoda Am.tr.AGL6	AY936234.1
Nuphar advena Nu.ad.AGL6.1	KF925499
Nuphar advena Nu.ad.AGL6.2	KF925500

LOFSEP-like genes	
Amborella trichopoda AMtrAGL2	AY850179.1
Nuphar advena Nu.ad.AGL2	KF925501
AGL9-like genes	
Amborella trichopoda AMtrAGL9	KF925502
Liriodendron tulipifera LituAGL9	AY850182.1

Table S2. cDNA sequences used to generate C-terminal deleted proteins for EMSAs.

>LtAP3 ΔC ATGGGAAGAGGGAAGATAGAGATAAAAAGAATAGAGAATTCGACGAACAGGCAAGTTACATATTCTAAGAG AAGAGGTGGGATTATGAAGAAAGCAAAAGAGCTTACCGTTCTCTGCGATGCTGAGGTTTCTCTCATCATGTTTT CCAGCACTGGGAAATTCTCTGAATATTGCAGCCCTTCTACAACGACGAAGAAGATTTTCGATCGTTACCAGCAA GTTTCAGGCAGCAGCTTATGGAACTCTCACTACGAGAAAATGCAAAGTCACTTGAACAAACTCAAAGAGGATA ATAACAGTCTCCGGAGGGCAATCAGGCATAGGATCGGTGAAGATCTGGACGATCTGGAAATCGAAGAACTGC GCGGTCTTGAGCAAAATTTAGAAAGTTCTATCAAAGTTGTTCGCGAAAGAAAGTATCATGTGATCAACACTCA AACAGAGACTTACAAGAAAAAGTTGAGAAACTTGCACGAAGCACACGCAAATTTAATTCGTGTAA
>LtPI ΔC ATGGGGCGTGGGAAGATAGAGATAAAAAGGATAGAGAACTCCACAAACCGACAGGTGACCTATTCAAAGAG GAGAGGAGGGATACTGAAGAAAGCAAAGGAGATCACCGTTTTGTGTGACGCGCAGGTCTCCCTCGTCATCTTC TCTAGCACTGGGAAGATTTCCGAGTACTGTAGTCCCTCCACCACGCTGGTGAAGATTTTGGATCGCTACCAGAA GAGCTCAGGGAAGAAGCTCTGGGATGCTAAGCACGAGCATCTTAGCAATGAAGTTGAAAGGATTAAGAAAGA GAATGATAGCATGCAGATCAAGCTCAGGCATTTGAAGGGCGAGGATATCACCTCATTGCATCCGAGGGAACTC ATCCCTATAGAGGAAGCCCTCCAAAACGGTCTTGCCTGCGTTCGCTCCAAGCAGATGGAGTACTTAAAGATGC TCAAGAAGAATGAAAGAACTCTGGAGGAGGAGAATAAGCGCTTGAGTTATATCCTGCATCAGCAGCAACTGG CGATGTAA
>Nu.ad.AP3.1 ΔC ATGGGTCGTGGGAAGATAGAGATAAGGAGGATAGAGAGCACCACCAACAGGCAGGTGACCTTCTCCAAGAG GAGGGCAGGGATCATCAAGAAGGCCAAGGAGCTCACCGTCCTCTGTGATGCCCACGTCTCCTTGATCCTCTTCT CCAGCACCAACAAGCTCTTCGAGTATTGTAGCCCCACCACCACCACGAAGAAAATAATCGATCGTTATCAGCAA GTTACTGCAACCAATTTATGGGATTCCCATTATGAAAGTATGCAAAAGGAATTCAACAAGCTCAAGGAGAAGA ATGAAAGACTCCGCAGGAGCATCAGGCAAAGGAATGGCGAGGATTTAGATATGTTAAACCATTCTGAGCTGT GCGGTCTTGAGCAAAATCTGAGCGAAGCGCTTAAGAAAATCCGATCAGTATTGGATAACAAAATCAAGAGAC AGATAGATACTTATAGGAAAAAGATAAAGGCAGCCGATTCCATTAGAAACATAGGTTTCATGTAA
>Nu.ad.AP3.2 ΔC ATGGGTCGTGGGAAGATAGAGATAAAGAGGATAGAGAACACCACCAACAGGCAGGTGACCTTCTCCAAGAG GAGGGCTGGGATCATCAAGAAGGCCAAGGAGCTCACCGTCCTCTGCGATGCCCACGTCTCCCTCATCCTCTTCT CCAGCACCCACAAGTTTTTTGAGTACTGTAGCCCTACCACCAACACGAAGAAGATGATTGATCGTTATCAGCAA GTTACTGGAACAAATTTATGGGATACCCATTATGAAAGTATGCAAAAGGAATTTAACAAACTCAAGGAGAAGA ATGAAAGGCTCCGCAAGAGCATGAGGCAACGGGTTGGTGAGGATCTTGATGAGTTAAATCACTCCGAGCTGT GCGGTCTTGAGCAAAATCTAAGCGAAGCGTTGAAGAAGATCAGATTGGCACTTGATAGCAAAATCAAGAGAC AGATAGATACTTACAAGAAAAAGATAAGGTCTGCTGAGAGCAACAGAAACAAAGTTTTCAGGGATGCACAAG AATAA

>Nu.ad.PI1 ΔC
ATGGGGAGAGGAAAGATTGAGATCAAGAGGATAGAGAATGCTTCCAACAGGCAGGTCACCTTCTCCAAGAGG
AAACAGGGTATCTTGAAGAAGGCCAAGGAGATCAGTGTTCTCTGTGACGCTCAGGTCTCTCTCATCTTGTTCTC
TAGTGCTGGCAAGCTCTACGATTATTGCTCCCCTTCTAGCAGTTTGAAGGACATTCTGACTAGATACCAGAAGT
CTTCTGGGAAGAAGTTGTGGGATGCTAGACATGAGTATCTGAGCACAGAGTTAGACAGGATTAGGAAGGAGA
ATGAAAATATGCAAATTGAACTCAGGCATTTTATGGGTGAAGATCTGAGTTCACTGACCGTTCAAGAGCTTCG
AGCTCTTGAAGACTCTCTTCAGATTGGCTTTGATAATGTTCACGTCAAGCAGACCGAATGCCTGAACAATGATA
TTCAAATTCTGAAGAAGAATGAGAGGATCCTTGAGGAGGAGAATAGGCAGATGAAATATATACTGTAA

>Nu.ad.PI2 ΔC
ATGGGGAGAGGAAAGATTGAGATCAAGAGGATAGAGAATGCTTCCAACAGGCAGGTCACCTTCTCCAAGAGG
AAACAGGGTATCTTGAAGAAGGCCAAGGAGATCAGTGTTCTCTGTGATTCTCAGGTCTCTCTCATCTTGTTCTC
CAGTGCTGGCAAGCTCTACGAGTATTGCTCCCCTTCTAGCAGTTTGAAGGACGTTCTGACTAGATACCAGAAGT
CTTCTGGGAAGAAGTTGTGGGATGCTAGACATGAGTATCTGAGCACAGAGTTAGACAGGATTAGGAAGGAGA
ATGAAAATATGCAGATTGAACTCAGGCATTTCATGGGTGAAGATCTGAGCTCACTTACCGTTCAAGAGCTTCG
AGCTCTTGAAGACTCTCTTCAGATTGGCTTTGATAGTGTGCACATAAAGCAGACAGAATGCCTGAACAATGATA
TTCAAATTCTGAAGAAGAATGAGAGGATCCTCGAGGAGGAGAATAGGCAGCTGAAATATATACTGTAA

>Nu.ad.AG ΔC
ATGGGAAGAGGTAAGATCGAGATCAAGCGCATAGAGAACACGACTAACCGGCAGGTTACCTTCTGCAAGCGC
CGGAGCGGGCTGCTCAAGAAGGCTTACGAGTTGTCGGTGCTCTGCGATGCCGAGGTCTCCCTCATCATCTTCT
CCAGCCGTGGCCGTCTTTATGAGTATTCAAACAACAGTGTTAAGGCAACAATTGATAGGTACAAGAAAGCATG
TGCGGACAGTTCGAACTCGGGAACTGTTTCTGAAGCAAACGCACAGTATTACCAACAAGAAGCATATAAACTA
CGCCAGCAAATCAGTAAAATACAACAAGATAACAGGCAAATGCTGGGTGAAGGTATCAATGAAATGTCTGTA
AGAGATCTCAAGACTTTAGAGGGAAAATTGGAGAAAAGCATTGGCAAAATAAGATCCAAAAAGAATGATTTG
CTGAATAGTGAAATCCAGTACATGCAGAAAATGGGTGATGATCTGCAGGAAGAGAATATGTATCTTAGAGCA
AAGATTAGTGAGAATGAAAGGGCGCATTAA

>AmAP3 ΔC
ATGGGTAGAGGGAAGATAGAGATAAAGAGGATAGAGAACCCAACAAACAGGCAGGTCACCTACTCGAAGAG
AAGAGGGGGAATCATCAAGAAGGCGAAGGAGCTCACAGTCCTCTGCGATGCTGAGGTCTCCCTTATAATGTTC
TCCAGCACTGGCAAGTTCTCCGAGTATTGCAGCCCTTCTACAAGCACGAAGAAGATTTACGATCGATACCAGCA
AGTCTCAGAAACCAACTTATGGGACACCCACTATGAGAAGATGCAAAGGGACTTGGGCAATCTCAAGGAGGA
GAGTAACCGGCTTCGGAAACTTATAAGGCAAAAGATGGGGGAAGATATTAATGAATTGAAATATAAAGAGCT
GCGTGATCTTGAGCAAAATCTTGAGGAATGGGTGAAACGCATCAGAGATAAGAAGAACCATTTGGTGACAAA
CCAAACTGAAACATGTAAAAAAAGGATAAAGAATTTGGAGGAGCAAAACAAAATGATGAGGCATATGATGGA
AGAAGATGAAGCAGAACGATGA

>AmPI ΔC
ATGGGGAGGGGGAAGATTGAGATAAAGCGGATAGAGAACTCGGCGAACAGGCAGGTGACTTATTCGAAGAG
GAAGAGCGGAATACTGAAGAAGGCCAAGGAGATTTCGGTTCTATGCGATGCCAAGGTCTCCCTCGTCATATTC
TCCAGTGCTGGCAAAATGTCCGAGTTTTGCAGTCCATCCATCGAGTTGAAGAATATGCTAGAAGAGTACCAGA
GGACTTCAGGGAAAAAGTTATGGGATTCCCGTCATGAGTATTTGAGCACAGAGGTAGATAGGATGAAGAAAG
ACAACGAACAGATGAGGATTGAGTTGAGGCACTTGATGGGAGAAGATCTCAACTCATTGACGCCCCATGAACT
CAATAGGATTGAGGACTCCCTGCAAATGGGCCTCTCCAGTGTTCGTGCTAAACAGATGGAACACATTCGCACC
AGGACTGAGATGCTAAAAAACAACGAAAGGATTCTCGAAGATCAGAACAAACAATTGAAGTACATAATGTGA

>Am.tr.AG ΔC
ATGGGAAGGGGAAAGATTGAGATCAAGCGCATAGAGAACACAACTAATAGGCAGGTGACCTTTTGCAAACGG
CGCAATGGGCTACTCAAGAAAGCCTATGAATTATCTGTTCTCTGTGATGCTGAAGTTGCACTTATTGTCTTTTCA
AGTCGAGGTCGACTGTACGAATATGCAAATAACAGCGTGAAAACAACAATTGATAGGTACAAGAAGGCATGC
GCTGATAGCTCTCACTCCGGAACTGTTTCAGAGGCCAATTCTCAATATTACCAACAAGAAGCTGCAAAACTTCG
CAATCAAATCCAGGTTTTAACGAATACAAACAGGCAGTTGATGGGTGACTCCGTTGGTTCAATGACTGTTAAG
GAGCTCAGGACATTGGAGAACAAATTGGAAAAGGGAATTAGTAAAATTAGATCAAAAAAGAATGAGCTACTA
TTCGCTGAAATCGACTACATGCAGAATCGGGAACTTGAACTACAGAAAGACAACATGCTTCTCCGAGCTTAA

>Am.tr.AGL6 ΔC
ATGGGGAGAGGAAGGGTGGAGCTGAAGCGAATCGAGAACAAGATCAACAGGCAAGTGACCTTCTCCAAGAG
GAGGAACGGTTTGCTCAAGAAGGCGTATGAGCTCTCTGTGCTTTGCGATGCCGAGGTCGGACTGATCATCTTC
TCCAGCCGCGGAAAGCTTTACGAGTTCGGAAGCGCCGGTCTGAGCAAAACCCTCGAGAGGTACCAGAGGTGT
TGTTACACCCCACAAGACAATAGTGCCACTGATCGTGAAACACAGAATTGGTCTCAAGAATTGTCAAAATTGAA
GGCAAAATATGAGACTCTACAACGATCACAAAGACATTTGCTTGGGGAAGACCTTGGACCTCTGAGTGTCAAG
GAACTACAACAACTTGAACGACAACTTGAAGTCGCTCTTTCTCAGGCCAGGCAAAGAAAGACACAAATATTGA
TGGATCAAATGGAAGAGCTTCGCAGGAAGGAGCGGCGCCTCGGAGACATAAATAAGCAGCTCAAGAGCAAG
CTGGAGTCAGATGGTCAAGGCTCTTTCAGATAA

>AMtrAGL2 ΔC
ATGGGAAGAGGTAGAGTTGAGCTCAAGAGGATAGAGAACAAGATCAACAGGCAGGTGACCTTTGCGAAGAG
GAGGAATGGTCTTTTGAAGAAGGCTTATGAACTCTCTGTTCTCTGTGATGCTGAGGTTGCCCTAATCATTTTCTC
CAATAGAGGGAAGCTTTACGAGTTTTGTAGCACCTCTAGCATGGTGAAGACATTAGAGAGGTACCAAAAATGC
AACTATGGAGCATTAGAAACTAATGTACCGACCAGGGAGACACAGAGCAGCTATCAAGAATATTTAAAGCTGA
AAGCGAGGGTGGAGTCTCTACAACGATCCCAGAGGAACCTTCTTGGTGAAGACTTGGGCCCCTTAAGTTCAAA
AGAGCTTGAACAACTTGAGCAGCAACTGGAGATGTCTTTGAAGCAGATAAGGTCTACTAAGACACAATGCATG
TTTGATCAACTTGCTGACCTTAGGAGGAGGGAACTAGCTCTCCAAGAGACCAACAAAGCTTTGAAACGTAAGT
TGGAGGGAGCAAGCGCTTCAAACCCCCCACAACTTGCATAA

Table 3. List of publications from which protein–protein interaction data were extracted.

Akebia trifoliata	(Shan et al., 2006) (Liu et al., 2010)
Amborella trichopoda	this study
Antirrhinum majus	(Davies et al., 1996) (Egea-Cortines et al., 1999) (Causier et al., 2003)
Aquilegia vulgaris	(Kramer et al., 2007)
Arabidopsis thaliana	(Goto and Meyerowitz, 1994) (Riechmann et al., 1996) (Honma and Goto, 2001) (Winter et al., 2002) (Yang et al., 2003) (Yang and Jack, 2004) (de Folter et al., 2005)
Brassica napus	(Deng et al., 2011)
Camellia japonica	(Viaene et al., 2009)
Chloranthus spicatus	(Su et al., 2008)
Chrysanthemum Dendrathema grandiflorum	(Shchennikova et al., 2004)
Davidia involucrata	(Vekemans et al., 2012)
Dendrobium crumenatum	(Xu et al., 2006)
Eschscholzia californica	(Lange et al., 2013)
Euptelea pleiospermum	(Liu et al., 2010)
Gerbera hybrida	(Broholm et al., 2009) (Ruokolainen et al., 2010)

Gnetum gnemon	(Winter et al., 2002) (Wang et al., 2010)
Hedyosmum orientale	(Liu et al., 2013)
Impatiens hawkeri	(Geuten et al., 2006)
Joinvillea ascendens	(Whipple and Schmidt, 2006)
Lacandonia schismatica	(Alvarez-Buylla et al., 2010)
Lilium longiflorum	(Tzeng, 2003) (Chen et al., 2011)
Lilium regale	(Winter et al., 2002)
Liriodendron tulipifera	this study
Medicago truncatula	(Roque et al., 2013)
Nicotiana benthamiana	(Geuten and Irish, 2010)
Nuphar advena	this study
Oncidium 'Gower Ramsey'	(Hsu and Yang, 2002) (Hsu et al., 2003) (Chang et al., 2010)
Oryza sativa	(Moon et al., 1999a) (Moon et al., 1999b) (Favaro et al., 2002) (Ronai et al., 2003) (Lee et al., 2003) (Yao et al., 2008)
Osmanthus fragrans	(Lee and Irish, 2011)
Pachysandra terminalis	(Liu et al., 2010)
Papaver somniferum	(Drea et al., 2007)
Petunia hybrida	(Immink et al., 2003) (Vandenbussche, 2004) (Rijpkema et al., 2006) (Rijpkema et al., 2009)
Phaleanopsis equestris	(Tsai et al., 2008)
Picea abies	(Sundstrom and Engstrom, 2002)
Solanum lycopersicum	(de Martino et al., 2006) (Leseberg et al., 2008)
Taihangia rupestris	(Lü et al., 2010)
Tulipa gesneriana	(Kanno et al., 2003)
Vitis vinifera	(Mellway and Lund, 2013)
Zea mays	(Whipple, 2004) (Whipple and Schmidt, 2006)

References

Alvarez-Buylla ER, Ambrose BA, Flores-Sandoval E, Englund M, Garay-Arroyo A, Garcia-Ponce B, de la Torre-Barcena E, Espinosa-Matias S, Martinez E, Pineyro-Nelson A, Engstrom P, Meyerowitz EM. 2010. B-Function expression in the flower center underlies the homeotic phenotype of *Lacandonia schismatica* (Triuridaceae). *Plant Cell,* **22**: 3543-3559.

Broholm SK, Pollanen E, Ruokolainen S, Tahtiharju S, Kotilainen M, Albert VA, Elomaa P, Teeri TH. 2009. Functional characterization of B class MADS-box transcription factors in *Gerbera hybrida*. *Journal of Experimental Botany,* **61**: 75-85.

Causier B, Cook H, Davies B. 2003. An *Antirrhinum* ternary complex factor specifically interacts with C-function and *SEPALLATA*-like MADS-box factors. *Plant Molecular Biology,* **52**: 1051-62.

Chang YY, Kao NH, Li JY, Hsu WH, Liang YL, Wu JW, Yang CH. 2010. Characterization of the possible roles for B class MADS box genes in regulation of perianth formation in orchid. *Plant Physiology,* **152**: 837-853.

Chen MK, Hsieh WP, Yang CH. 2011. Functional analysis reveals the possible role of the C-terminal sequences and PI motif in the function of lily (*Lilium longiflorum*) PISTILLATA (PI) orthologues. *Journal of Experimental Botany,* **63**: 941-961.

Davies B, Egea-Cortines M, de Andrade Silva E, Saedler H, Sommer H. 1996. Multiple interactions amongst floral homeotic MADS box proteins. *EMBO Journal,* **15**: 4330-43.

de Folter S, Immink RG, Kieffer M, Parenicova L, Henz SR, Weigel D, Busscher M, Kooiker M, Colombo L, Kater MM, Davies B, Angenent GC. 2005. Comprehensive interaction map of the *Arabidopsis* MADS box transcription factors. *Plant Cell,* **17**: 1424-33.

de Martino G, Pan I, Emmanuel E, Levy A, Irish VF. 2006. Functional analyses of two tomato APETALA3 genes demonstrate diversification in their roles in regulating floral development. *Plant Cell,* **18**: 1833-1845.

Deng W, Zhou L, Zhou Y, Wang Y, Wang M, Zhao Y. 2011. Isolation and characterization of three duplicated PISTILLATA genes in Brassica napus. *Molecular Biology Reports,* **38**: 3113-3120.

Drea S, Hileman LC, de Martino G, Irish VF. 2007. Functional analyses of genetic pathways controlling petal specification in poppy. *Development,* **134**: 4157-4166.

Egea-Cortines M, Saedler H, Sommer H. 1999. Ternary complex formation between the MADS-box proteins SQUAMOSA, DEFICIENS and GLOBOSA is involved in the control of floral architecture in *Antirrhinum majus*. *EMBO Journal,* **18**: 5370-9.

Favaro R, Immink RGH, Ferioli V, Bernasconi B, Byzova M, Angenent GC, Kater M, Colombo L. 2002. Ovule-specific MADS-box proteins have conserved protein-protein interactions in monocot and dicot plants. *Molecular Genetics and Genomics,* **268**: 152-159.

Geuten K, Becker A, Kaufmann K, Caris P, Janssens S, Viaene T, Theißen G, Smets E. 2006. Petaloidy and petal identity MADS-box genes in the balsaminoid genera *Impatiens* and *Marcgravia*. *Plant Journal,* **47**: 501-518.

Geuten K, Irish V. 2010. Hidden variability of floral homeotic B genes in Solanaceae provides a molecular basis for theevolution of novel functions. *Plant Cell,* **22**: 2562-2578.

Goto K, Meyerowitz EM. 1994. Function and regulation of the *Arabidopsis* floral homeotic gene *Pistillata*. *Genes & Development,* **8**: 1548-1560.

Honma T, Goto K. 2001. Complexes of MADS-box proteins are sufficient to convert leaves into floral organs. *Nature,* **409**: 525-9.

Hsu HF, Huang CH, Chou LT, Yang CH. 2003. Ectopic expression of an orchid (Oncidium Gower Ramsey) *AGL6*-like gene promotes flowering by activating flowering time genes in *Arabidopsis thaliana*. *Plant and Cell Physiology,* **44**: 783-794.

Hsu HF, Yang CH. 2002. An orchid (Oncidium Gower Ramsey) *AP3*-like MADS gene regulates floral formation and initiation. *Plant and Cell Physiology,* **43**: 1198-209.

Immink RG, Ferrario S, Busscher-Lange J, Kooiker M, Busscher M, Angenent GC. 2003. Analysis of the petunia MADS-box transcription factor family. *Molecular Genetics and Genomics,* **268**: 598-606.

Kanno A, Saeki H, Kameya T, Saedler H, Theissen G. 2003. Heterotopic expression of class B floral homeotic genes supports a modified ABC model for tulip (*Tulipa gesneriana*). *Plant Molecular Biology,* **52**: 831-41.

Kramer EM, Holappa L, Gould B, Jaramillo MA, Setnikov D, Santiago PM. 2007. Elaboration of B gene function to include the identity of novel floral organs in the lower eudicot *Aquilegia*. *Plant Cell,* **19**: 750-766.

Lange M, Orashakova S, Lange S, Melzer R, Theissen G, Smyth DR, Becker A. 2013. The seirena B class floral homeotic mutant of California Poppy (*Eschscholzia californica*) reveals a function of the enigmatic PI motif in the formation of specific multimeric MADS domain protein complexes. *Plant Cell,* **25**: 438-53.

Lee HL, Irish VF. 2011. Gene duplication and loss in a MADS box gene transcription factor circuit. *Molecular Biology and Evolution,* **28**: 3367-80.

Lee S, Jeon J-S, An K, Moon Y-H, Lee S, Chung Y-Y, An G. 2003. Alteration of floral organ identity in rice through ectopic expression of OsMADS16. *Planta,* **217**: 904-911.

Leseberg CH, Eissler CL, Wang X, Johns MA, Duvall MR, Mao L. 2008. Interaction study of MADS-domain proteins in tomato. *Journal of Experimental Botany,* **59**: 2253-2265.

Liu CJ, Zhang JA, Zhang N, Shan HY, Su KM, Zhang JS, Meng Z, Kong HZ, Chen ZD. 2010. Interactions among proteins of floral MADS-box genes in basal eudicots: implications for evolution of the regulatory network for flower development. *Molecular Biology and Evolution,* **27**: 1598-1611.

Liu SJ, Sun YH, Du XQ, Xu QJ, Wu F, Meng Z. 2013. Analysis of the APETALA3- and PISTILLATA-like genes in Hedyosmum orientale (Chloranthaceae) provides insight into the evolution of the floral homeotic B-function in angiosperms. *Annals of Botany,* **112**: 1239-1251.

Lü S, Fan Y, Liu L, Liu S, Zhang W, Meng Z. 2010. Ectopic expression of *TrPI*, a *Taihangia rupestris* (Rosaceae) *PI* ortholog, causes modifications of vegetative architecture in *Arabidopsis*. *Journal of Plant Physiology,* **167**: 1613-1621.

Mellway RD, Lund ST. 2013. Interaction analysis of grapevine MIKCc-type MADS transcription factors and heterologous expression of putative véraison regulators in tomato. *Journal of Plant Physiology,* **170**: 1424-1433.

Moon YH, Jung JY, Kang HG, An G. 1999a. Identification of a rice APETALA3 homologue by yeast two-hybrid screening. *Plant Molecular Biology,* **40**: 167-77.

Moon YH, Kang HG, Jung JY, Jeon JS, Sung SK, An G. 1999b. Determination of the motif responsible for interaction between the rice APETALA1/AGAMOUS-LIKE9 family proteins using a yeast two-hybrid system. *Plant Physiology,* **120**: 1193-204.

Riechmann JL, Krizek BA, Meyerowitz EM. 1996. Dimerization specificity of Arabidopsis MADS domain homeotic proteins APETALA1, APETALA3, PISTILLATA, and AGAMOUS. *Proceedings of the National Academy of Sciences of the United States of America,* **93**: 4793-4798.

Rijpkema AS, Royaert S, Zethof J, van der Weerden G, Gerats T, Vandenbussche M. 2006. Analysis of the *Petunia TM6* MADS box gene reveals functional divergence within the *DEF/AP3* lineage. *Plant Cell,* **18**: 1819-1832.

Rijpkema AS, Zethof J, Gerats T, Vandenbussche M. 2009. The petunia *AGL6* gene has a *SEPALLATA*-like function in floral patterning. *Plant Journal,* **60**: 1-9.

Ronai Z, Wang Y, Khandurina J, Budworth P, Sasvari-Szekely M, Wang X, Guttman A. 2003. Transcription factor binding study by capillary zone electrophoretic mobility shift assay. *Electrophoresis,* **24**: 96-100.

Roque E, Serwatowska J, Cruz Rochina M, Wen J, Mysore KS, Yenush L, Beltrán JP, Cañas LA. 2013. Functional specialization of duplicated *AP3*-like genes in *Medicago truncatula*. *Plant Journal,* **73**: 663-675.

Ruokolainen S, Ng Y, Albert VA, Elomaa P, Teeri TH. 2010. Large scale interaction analysis predicts that the *Gerbera hybrida* floral E function is provided both by general and specialized proteins. *BMC Plant Biology,* **10**: 129.

Shan H, Su K, Lu W, Kong H, Chen Z, Meng Z. 2006. Conservation and divergence of candidate class B genes in *Akebia trifoliata* (Lardizabalaceae). *Development Genes and Evolution,* **216**: 785-795.

Shchennikova AV, Shulga OA, Immink R, Skryabin KG, Angenent GC. 2004. Identification and characterization of four chrysanthemum MADS-box genes, belonging to the *APETALA1*/*FRUITFULL* and *SEPALLATA3* subfamilies. *Plant Physiology,* **134**: 1632-1641.

Su K, Zhao S, Shan H, Kong H, Lu W, Theissen G, Chen Z, Meng Z. 2008. The MIK region rather than the C-terminal domain of AP3-like class B floral homeotic proteins determines functional specificity in the development and evolution of petals. *New Phytologist,* **178**: 544-558.

Sundstrom J, Engstrom P. 2002. Conifer reproductive development involves B-type MADS-box genes with distinct and different activities in male organ primordia. *Plant Journal,* **31**: 161-9.

Tsai WC, Pan ZJ, Hsiao YY, Jeng MF, Wu TF, Chen WH, Chen HH. 2008. Interactions of B-class complex proteins involved in tepal development in *Phalaenopsis* orchid. *Plant and Cell Physiology,* **49**: 814-824.

Tzeng TY. 2003. The C-terminal sequence of LMADS1 is essential for theformation of homodimers for B function proteins. *Journal of Biological Chemistry,* **279**: 10747-10755.

Vandenbussche M. 2004. The duplicated B-class heterodimer model: whorl-specific effects and complex genetic interactions in *Petunia hybrida* flower development. *Plant Cell,* **16**: 741-754.

Vekemans D, Viaene T, Caris P, Geuten K. 2012. Transference of function shapes organ identity in the dove tree inflorescence. *New Phytologist,* **193**: 216-228.

Viaene T, Vekemans D, Irish VF, Geeraerts A, Huysmans S, Janssens S, Smets E, Geuten K. 2009. *Pistillata*-duplications as a mode for floral diversification in (basal) asterids. *Molecular Biology and Evolution,* **26**: 2627-2645.

Wang Y-Q, Melzer R, Theißen G. 2010. Molecular interactions of orthologues of floral homeotic proteins from the gymnosperm *Gnetum gnemon* provide a clue to the evolutionary origin of 'floral quartets'. *Plant Journal,* **64**: 177-190.

Whipple CJ. 2004. Conservation of B-class floral homeotic gene function between maize and Arabidopsis. *Development,* **131**: 6083-6091.

Whipple CJ, Schmidt RJ. 2006. Genetics of grass flower development. *Advances in Botanical Research: Incorporating Advances in Plant Pathology, Vol 44,* **44**: 385-424.

Winter KU, Weiser C, Kaufmann K, Bohne A, Kirchner C, Kanno A, Saedler H, Theissen G. 2002. Evolution of class B floral homeotic proteins: obligate heterodimerization originated from homodimerization. *Molecular Biology and Evolution,* **19**: 587-96.

Xu Y, Teo LL, Zhou J, Kumar PP, Yu H. 2006. Floral organ identity genes in the orchid *Dendrobium crumenatum*. *Plant Journal,* **46**: 54-68.

Yang YZ, Fanning L, Jack T. 2003. The K domain mediates heterodimerization of the *Arabidopsis* floral organ identity proteins, APETALA3 and PISTILLATA. *Plant Journal,* **33**: 47-59.

Yang YZ, Jack T. 2004. Defining subdomains of the K domain important for protein-protein interactions of plant MADS proteins. *Plant Molecular Biology,* **55**: 45-59.

Yao SG, Ohmori S, Kimizu M, Yoshida H. 2008. Unequal genetic redundancy of rice *PISTILLATA* orthologs, *OsMADS2* and *OsMADS4*, in lodicule and stamen development. *Plant and Cell Physiology,* **49**: 853-857.