

Sup. 3 Overview of published protein-protein interactions of the Arabidopsis MADS box transcription factor family.

Interaction	Method	Reference	Notes	This screen
AP3-PI	Immunoprecipitation	Goto and Meyerowitz, Genes and Development (1994)	Full-length proteins were used.	X
AP3-PI	Immunoprecipitation	Riechmann et al., PNAS (1996)	Full-length proteins were used.	X
AP3-PI	Colocalization of GUS tagged proteins	McGonigle et al., Genes and Development (1996)	Nuclear localization upon simultaneous expression.	X
AP3-PI	Yeast 2-hybrid	Yang et al., Plant Journal (2003)	Y2H with IKC domains. No interaction found for full-length proteins!	X
AG-SEP1	Yeast 2-hybrid immunoprecipitation	Fan et al., Plant Journal (1997)	Y2H with KC-domains from both proteins. Immunoprecipitation with KC from AG and only the K domain from the AGL protein.	YES
AG-SEP2	Yeast 2-hybrid immunoprecipitation	Fan et al., Plant Journal (1997)	Y2H with KC-domains from both proteins. Immunoprecipitation with KC from AG and only the K domain from the AGL protein.	YES
AG-AGL6	Yeast 2-hybrid immunoprecipitation	Fan et al., Plant Journal (1997)	Y2H with KC-domains from both proteins. Immunoprecipitation with KC from AG and only the K domain from the AGL protein.	X
AG-SEP3	Yeast 2-hybrid immunoprecipitation	Fan et al., Plant Journal (1997)	Y2H with KC-domains from both proteins. Immunoprecipitation with KC from AG and only the K domain from the AGL protein.	YES
AG-SEP3	Yeast 2-hybrid	Favaro et al., Plant Cell (2003)	Full-length proteins used.	YES
AP1-AP1	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
AP1-AP3	Immunoprecipitation	Riechmann et al., PNAS (1996)	weak interaction.	X
AP1-PI	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
AP1-AG	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
AP3-AP3	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
AP3-AG	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
PI-PI	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
PI-AG	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
AG-AG	Immunoprecipitation	Riechmann et al., PNAS (1996)		X
AP3-PI-SEP3	Yeast 3-hybrid	Honma and Goto, Nature (2001)		ND
AP3-PI-AP1	Yeast 3-hybrid	Honma and Goto, Nature (2001)		ND
AP3-PI-AG-SEP3	Yeast 4-hybrid	Honma and Goto, Nature (2001)	For this experiment SEP3 lacking the C-domain has been used.	ND
AP1-SEP3	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)	Truncated form of AP1 used, lacking part of the C-domain. SEP3-IKC domains.	X
AP1-SOC1	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)	Truncated form of AP1 used, lacking part of the C-domain.	YES
AP1-SVP	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)	Truncated form of AP1 used, lacking part of the C-domain.	YES
AP1-MAF1 (FLM, AGL27)	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)	Truncated form of AP1 used, lacking part of the C-domain.	X
CAL-SEP3	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)	SEP3-IKC domains.	X
CAL-SOC1	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)		YES
CAL-SVP	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)		X
CAL-AGL24	Yeast 2-hybrid	Pelaz et al., Plant Journal (2001)		X
SHP1-SEP3	Yeast 2-hybrid	Favaro et al., Plant Cell (2003)		YES
SHP2-SEP3	Yeast 2-hybrid	Favaro et al., Plant Cell (2003)		YES
STK-SEP3	Yeast 2-hybrid	Favaro et al., Plant Cell (2003)		YES
STK-SEP3-AG	Yeast 3-hybrid	Favaro et al., Plant Cell (2003)		ND
STK-SEP3-SHP1	Yeast 3-hybrid	Favaro et al., Plant Cell (2003)		ND
STK-SEP3-SHP2	Yeast 3-hybrid	Favaro et al., Plant Cell (2003)		ND
SHP1-SEP3-AG	Yeast 3-hybrid	Favaro et al., Plant Cell (2003)		ND
SHP1-SEP3-SHP2	Yeast 3-hybrid	Favaro et al., Plant Cell (2003)		ND
SHP2-SEP3-AG	Yeast 3-hybrid	Favaro et al., Plant Cell (2003)		ND