

**Table S5:** Known or presumed target genes of floral homeotic factors detected as differentially expressed in the experiment. Gene identifiers and gene names (or descriptions) are listed, and relevant literature is referenced.

Gene ID	Name/Description	Reference
<i>At4g18960</i>	<i>AGAMOUS</i>	[1]
<i>At3g54340</i>	<i>APETALA3</i>	[1,2]
<i>At1g69180</i>	<i>CRABS CLAW</i>	[1]
<i>At4g27330</i>	<i>NOZZLE/SPOROCYTELESS</i>	[3]
<i>At1g24260</i>	<i>SEPALLATA3</i>	[1]
<i>At2g42830</i>	<i>SHATTERPROOF2</i>	[4]
<i>At4g32980</i>	<i>ATH1</i>	[1]
<i>At3g11000</i>	<i>Expressed protein</i>	[1]
<i>At3g17010</i>	<i>B3 domain containing protein</i>	[1]
<i>At1g47610</i>	<i>WD40 domain containing protein</i>	[1]
<i>At1g13400</i>	<i>NUBBIN</i>	[1]

#### REFERENCES:

1. Gomez-Mena C, de Folter S, Costa MM, Angenent GC, Sablowski R (2005) Transcriptional program controlled by the floral homeotic gene *AGAMOUS* during early organogenesis. *Development* 132: 429-438.
2. Honma T, Goto K (2000) The *Arabidopsis* floral homeotic gene *PISTILLATA* is regulated by discrete cis-elements responsive to induction and maintenance signals. *Development* 127: 2021-2030.
3. Ito T, Wellmer F, Yu H, Das P, Ito N, et al. (2004) The homeotic protein *AGAMOUS* controls microsporogenesis by regulation of *SPOROCYTELESS*. *Nature* 430: 356-360.
4. Savidge B, Rounsley SD, Yanofsky MF (1995) Temporal relationship between the transcription of two *Arabidopsis* MADS box genes and the floral organ identity genes. *Plant Cell* 7: 721-733.