Supporting Information

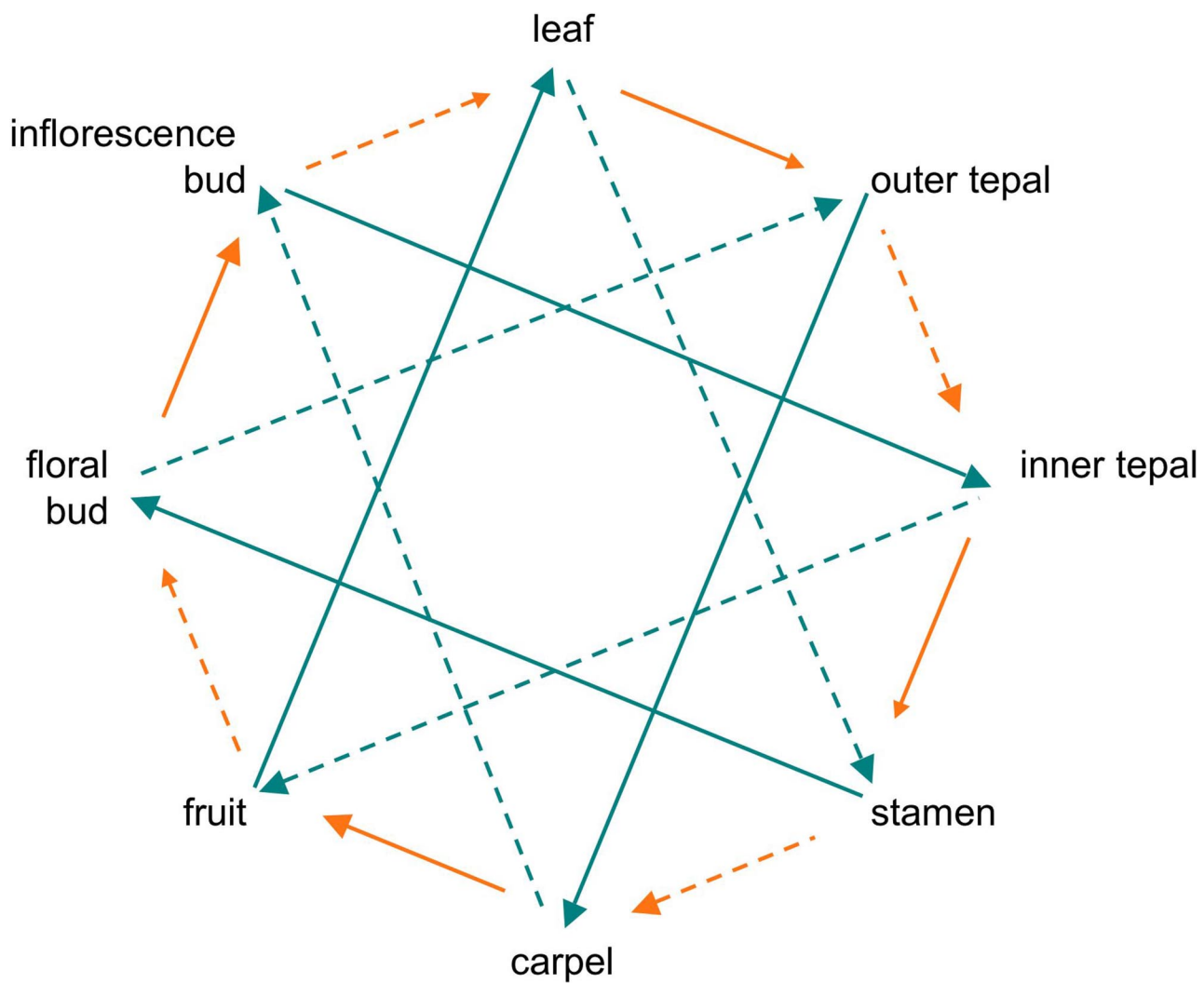## Chanderbali et al. 10.1073/pnas.0811476106

Fig. S1. Interwoven double-loop experimental design. Each arrow represents an array; orange and teal colors indicate separate biologic replicates, and solid and dashed lines indicate separate RNA extractions; point is labeled with Cy5, base with Cy3.
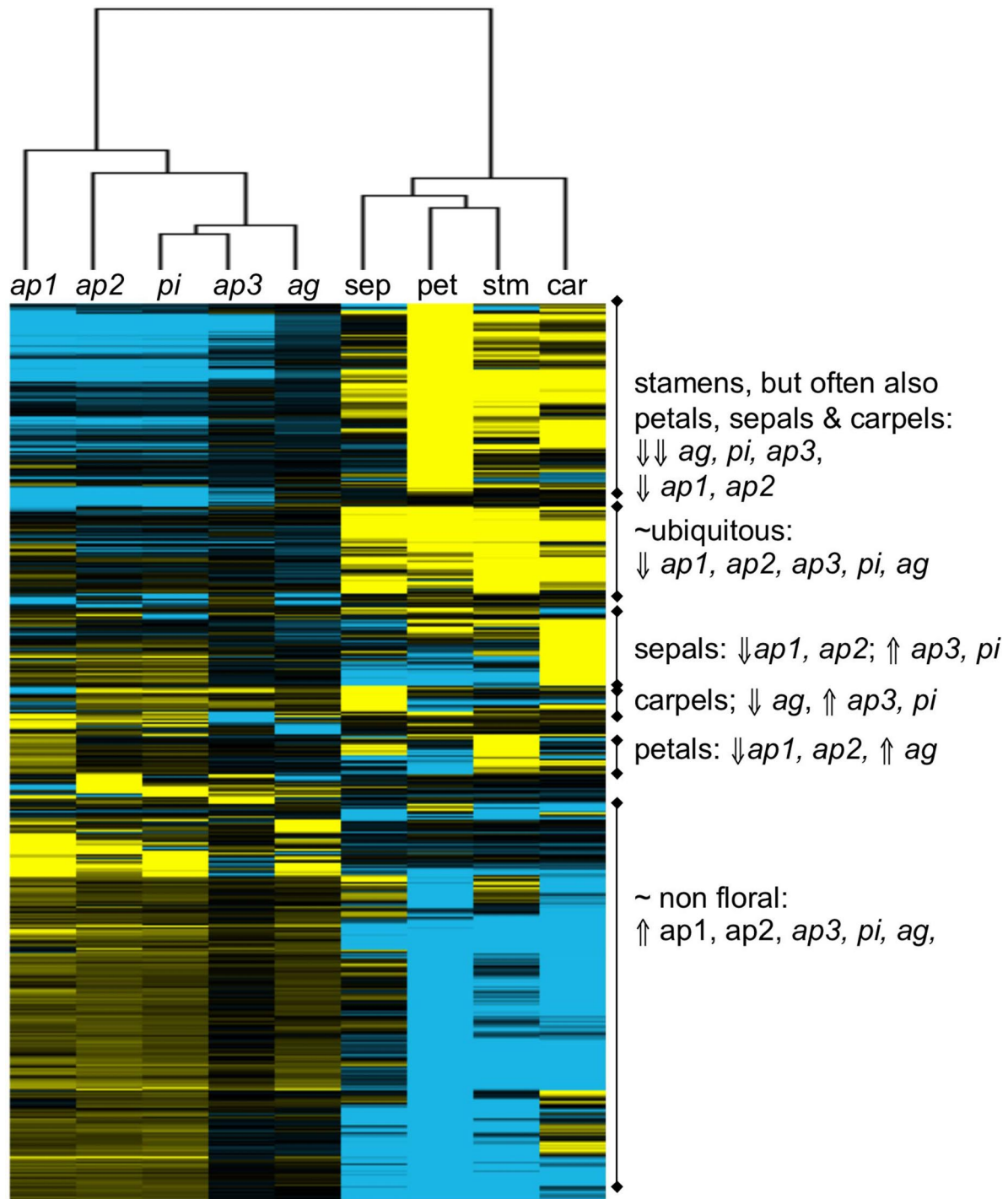
Fig. S2. Positive *Arabidopsis* $\log_2$ floral organ/leaf expression ratios map to correspondingly negative $\log_2$ mutant/wild-type expression ratios. The scale of $\log_2$ ratios ranges from saturated yellow (1 and higher = at least 2-fold upregulated) to saturated blue (-1 and lower = at least 2-fold downregulated). The trends in gene expression levels in relevant mutants are given for organ-specific, and other, expression patterns. Data are from the AtGenExpress dataset (1) and from the Wellmer et al. dataset (2).

1. Schmid M, et al. (2005) A gene expression map of *Arabidopsis thaliana* development. *Nat Genet* 37:501–506.
2. Wellmer F, Riechmann JL, Alves-Ferreira M, Meyerowitz EM (2004) Genome-wide analysis of spatial gene expression in *Arabidopsis* flowers. *Plant Cell* 16:1314–1326.

Table S1. Log$_2$ floral organ/leaf expression ratios of the MADS domain floral organ identity genes in *Arabidopsis* and *Persea* floral organs

MADS domain gene	*Arabidopsis* AGI code/*Persea* GenBank accession no.	Log$_2$ floral organ/leaf expression ratio			
		Sepals/outer tepals	Petals/inner tepals	Stamens	Carpels
AGAMOUS	At4 g18960	0.46	−0.01	7.20	5.57
Persea AG.1	DQ398021	1.74	1.91	5.30	6.27
Persea AG.2	DQ398022	1.81	1.91	2.44	3.36
Persea AG.3	DQ398023	0.36	0.43	2.51	4.38
APETALA3	At3 g54340	5.43	8.83	8.27	3.53
Persea AP3	AY337748	8.37	8.38	7.62	5.16
PISTILLATA	At5 g20240	2.71	8.054	7.13	−0.93
Persea PI.1	AY337738	6.37	6.19	6.08	1.97
Persea PI.2	DQ398020	4.66	5.11	5.10	0.61
AGL6	At2 g45650	2.04	3.26	1.23	1.68
Persea AGL6.1	DQ660395	6.07	5.94	0.77	1.53
Persea AGL6.2	DQ660396	6.12	5.95	0.68	1.51
APETALA1	At1 g69120	8.07	7.76	−0.94	−0.29
Persea AP1	DQ398015	0.66	0.33	−0.71	−1.13

AGI, Arabidopsis Genome Initiative.