

**Table S3.** The reduction extent of organ size and gene expression in the CH-CL transition.

Flower type	The reduction ratio of stamen number	The reduction ratio of petal number	The reduction ratio of stamen length	The reduction ratio of petal length	The reduction ratio of <i>VpTM6-1</i> expression level					The reduction ratio of <i>VpTM6-2</i> expression level					The reduction ratio of <i>VpP1</i> expression level				
					F11	F12	Mf	S	P	F11	F12	Mf	S	P	F11	F12	Mf	S	P
inCL	0.55±0.28	0.74±0.36	0.58±0.05	0.95±0.02	0.70	0.84	0.71	0.70	0.92	0.67	0.85	0.82	0.71	0.92	0.87	0.86	0.68	0.66	0.86
CL	0.60±0.00	1.00±0.00	0.65±0.03	0.98±0.01	0.76	0.86	0.52	0.76	-	0.90	0.92	0.71	0.77	-	0.90	0.89	0.65	0.63	-

The reduction ratio of organ size / number in CL and inCL flowers is relative to CH flowers, at least 10 flowers were randomly analyzed in each flower type. The reduction ratio of gene expression in different floral tissues is relative to these in CH flowers (Figure 6). F11, F12 and Mf was defined in Figure 6. S, stamens; P, petals. The - indicates no petal in CL flowers.