

Supplementary Material

An *APETALA2* homolog, *RcAP2*, regulates the number of rose petals derived from stamens and response to temperature fluctuations

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Supplemental information:

Supplemental Table S1: The exons information of *RcAP2* DNA sequence.

Supplemental Table S2: The transcriptional regulatory motifs information of *RcAP2* cDNA sequence.

Supplemental Table S3: The cis-acting elements information of *proRcAP2*.

Supplemental Table S4: The primer sequences involved in this article.

Supplemental Figure S1: The AT-rich sequence element analysis of *RcAG* DNA sequence.

Supplemental Figure S2: The original image from Figure 4D.

Supplemental Figure S2: The original gel image from Figure 4D. *RcAP2* expression in Arabidopsis transgenic lines have been detected using RT-PCR. In 1% agarose gel, using DL 1000 maker, on the left side of the maker is *RcAP2* PCR binds and the other side is *AtACTIN* PCR binds. From left to right are wild type *Col-0* and 2#, 5#, 9# transgenic lines of *RcAP2*.

