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SUPPLEMENTARY MATERIAL

corresponding to:

Reproductive Meristem22 is a unique marker for the early stages of stamen development

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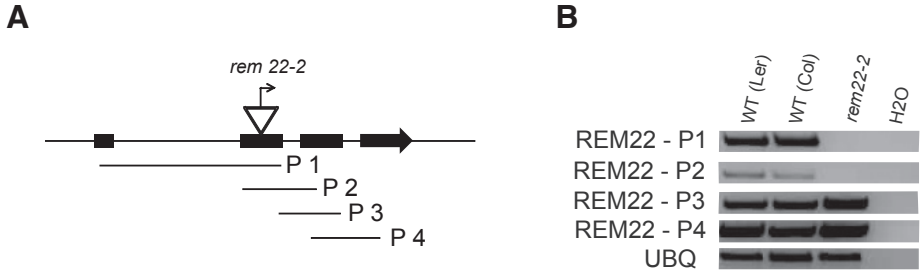

Supplementary Fig. 1. Position of the T-DNA insertion in the *REM22* gene and gene expression analysis. (A) *The triangle indicates the location of T-DNA insertion in the second exon of* REM22 *gene. The lines bellow the gene diagram show the PCR fragments produced by distinct primer combination used in the RT-PCR analysis (Supplementary Table 1). Exons are represented as black solid boxes.* **(B)** REM22 *expression in inflorescence of distinct ecotypes (Ler - Landsberg erecta; Col – Columbia) and in the insertion line (SALK_091149). Gene-specific primer combinations for* REM22 *used in the RT-PCR are indicated in the left side. UBIQUITIN10 (UBQ) was used as a control for loading. Complete* REM22 *transcripts were only detected in WT plants.*

Supplementary Fig. 2. Genomic structure of *REM22* gene. REM22 *gene, the promoter region and the 5th exon of the gene At1g17000 are shown. The cloned promoter region (1022 bp upstream the* REM22 *ATG) is indicated by the black line below the gene diagram. The exons (dark gray), the UTRs (light gray) and the scale bar in base pairs (bp) are shown below the diagram.*

SUPPLEMENTARY TABLE 1

PRIMER LIST

Gene – RT-PCR fragment	Forward	Reverse
REM22 – P1	GGGCAGATCTATCCTCTGACTG	CGAGGTTTACGCATCTCTAAGC
REM22 – P2	GGAAAGACATGGGATGTAGAAGTC	TCTATGAGGCTGTTCTCTCCTTCT
REM22 – P3	GGGTCCTTCTAGTGGGATCAAG	GGTATTGCCAGGAACTTGAGGT
REM22 – P4	GGACGAGCTGAGTTCCTAGTTAGA	AGATTGTCCGAATCTCCCTCAC
UBQ10 (AT4G05320)	GATCTTTGCCGGAAAACAATTGGAGG	CGACTTGTCATTAGAAAGAAAGAGAT