

**Table S2. Percentage of sepals that ectopically express miR172**

Genotype	Percentage sepals (stages 6-11) that showed miR172 expression*	Total number of sepals at stages 6-11*
WT ( <i>Ler</i> )	8 <sup>†</sup>	37
<i>lug-3</i>	82	17
<i>seu-1</i>	82	22
<i>ap2-2</i>	100	20

\*Summary of results from three independent in situ experiments. Each experiment examined three to five inflorescences of each genotype. In most cases, two sepals per flower (at stages 6-11) were scored. Flowers older than stage 11 had been removed before sample fixation.

<sup>†</sup>Three of the 37 wild-type sepals appeared to show some miR172 signals, which might represent background signals.