



**Supplemental Figure S1.** (A) Frequency of lateral root primordia stages in the indicated genotypes. (B) Primary root length of indicated genotypes. (C) Confocal

microscopy images (gray scale, obtained with a 63 X magnification objective) of 5-day-old PI-stained root meristems of indicated genotypes. Asterisks: protophloem sieve element strands; Arrowheads: gap cells; (D) Numerical data of the root systems of indicated genotypes, referring to Figs. 6A-C and 7D-F. The lateral root density (last column) of all mutants or treatments is significantly different from wild type ( $p < 0.001$ ). (E-F) Primary root length (E) and number of emerged lateral roots (F) in 7-day-old seedlings of indicated genotypes, grown on mock media for 4 days and then shifted onto mock conditions or on media containing the auxin transport inhibitor NPA for the following 3 days. Errors [bars] indicate standard error of the mean. Significant differences are indicated with respect to wild type or mock conditions. \* $P < 0.05$ ; \*\* $P < 0.01$ ; \*\*\* $P < 0.001$  (Student's t-test).

## **Supplemental Tables**

### **Table S1**

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### **Table S2**

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