



Supplemental Figure S3. Enhanced cytokinin sensitivity of *abci20 abci21* mutants.

(a) Twelve-day-old seedlings grown on $\frac{1}{2}$ MS agar plates without ($\frac{1}{2}$ MS) or with 0.1 μ M *trans*-zeatin (tZ) supplementation. Scale bars = 1 cm.

(b, c) Total shoot fresh weight per plate (b) and the primary root length (c) quantified from 12-day-old seedlings. Combined data from three independent experiments (7 biological replicates) are presented. Asterisks indicate statistically significant differences from the wild type (WT) value (*; $p < 0.03$, Student's *t*-test).

(d) Number of cortical cells in root apical meristem (RAM) counted from root tip images of 8-day-old seedlings. Representative data (mean values \pm SD) are given ($n=3$). Asterisks indicate statistically significant differences (*; $p < 0.03$, Student's *t*-test).

(e, f) Comparison of seedling growth between *abci20 abci21* (*abci20-1/21*) and *abci19 abci20 abci21* (*abci19/20/21-1*) in the absence or presence of tZ (10, 20, 50 nM). Values of shoot fresh weight (e) and primary root length (f) were quantified from 9-day-old seedlings. Combined data (mean values \pm SD) from two independent experiments (total 8 biological replicates) are given. Different letters and symbols indicate significant differences between genotypes in each treatment condition determined by one-way ANOVA followed by Tukey's honest significant difference test ($P < 0.05$).