



Supplemental Figure S4

Supplemental Figure S4. Effect of exogenous application of PA components from tea leaves on the amelioration of Al-induced inhibition of root elongation in soybean.

Soybean roots were exposed to 500 μM calcium chloride solution (pH 4.5) with or without 25 μM Al and 57.5 mg L^{-1} of a mixture of flavan-3-ol extract. Flavan-3-ol concentrations in the extracts were equivalent to 14.3, 40.6, 17.8, and 74.2 μM for epicatechin, epigallocatechin, epicatechin gallate, and epigallocatechin gallate, respectively. **A**, Elongation of soybean roots after 24 h of treatment with Al (+Al-tCat), flavan-3-ols [-Al-tCat (1x)], or both [+Al-tCat (1x); +Al-tCat (0.1x)]. **B**, Elongation of soybean roots after 24 h of single treatment with Al (+Al-tCat) or flavan-3-ols [-Al-tCat (1x)] every 6 h, or after mutual treatments with Al and flavan-3-ols [+Al-tCat (1x); +Al-tCat (0.1x)] every 6 h. Data represent means \pm SD (n=6).