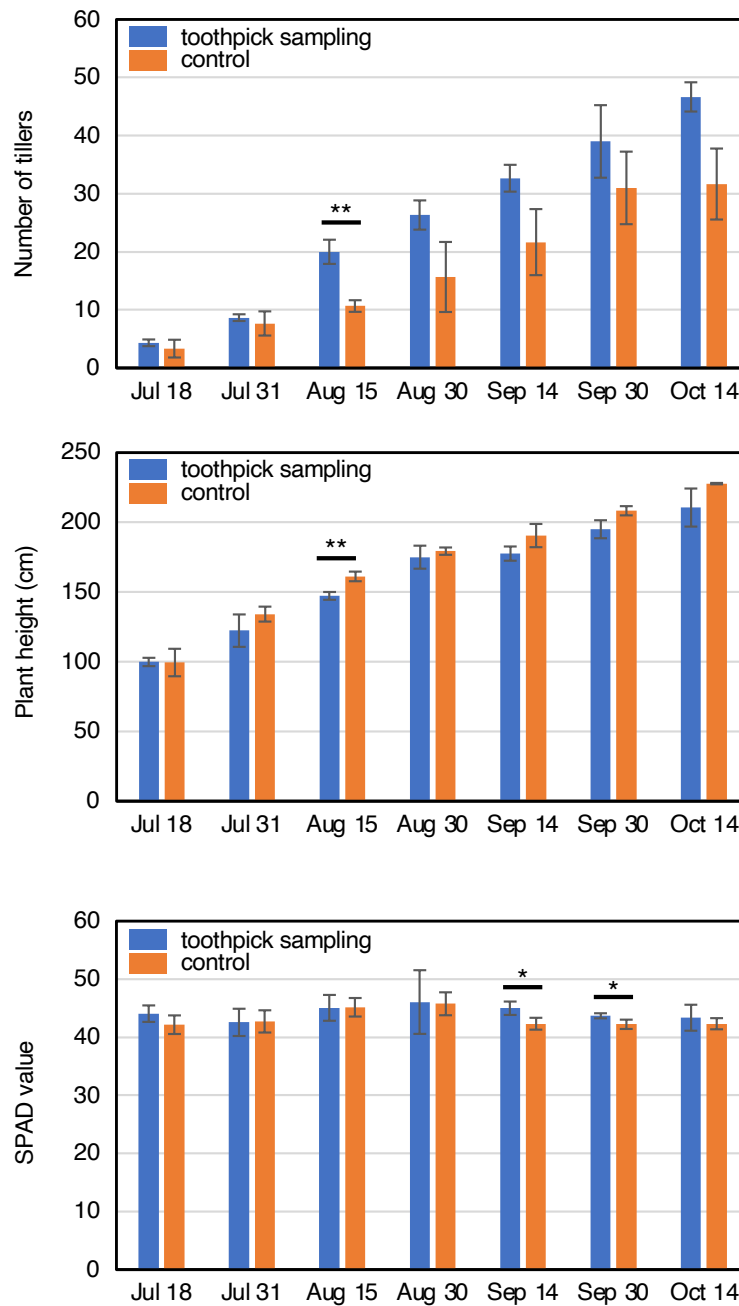




Supplementary Fig. S1. Effect of toothpick sampling on plant growth of *Zizania latifolia*

Seedlings of *Z. latifolia* (cv. Shirakawa) after 1-mm toothpick sampling for real-time LAMP (Fig. 3) were transplanted in the paddy field the next day, in addition to control plants without toothpick sampling. The plant height, number of tillers, and soil and plant analysis development (SPAD) values of each plant were measured about every two weeks to determine the effect of the toothpick sampling on plant growth. SPAD values were determined by the SPAD-502 meter (Konica Minolta, Tokyo, Japan). Values are the means $\pm$ SE of three biological replicates. Asterisks indicate the statistical difference in the mean number analyzed by Welch's *t*-test (* $p < 0.05$, ** $p < 0.01$).