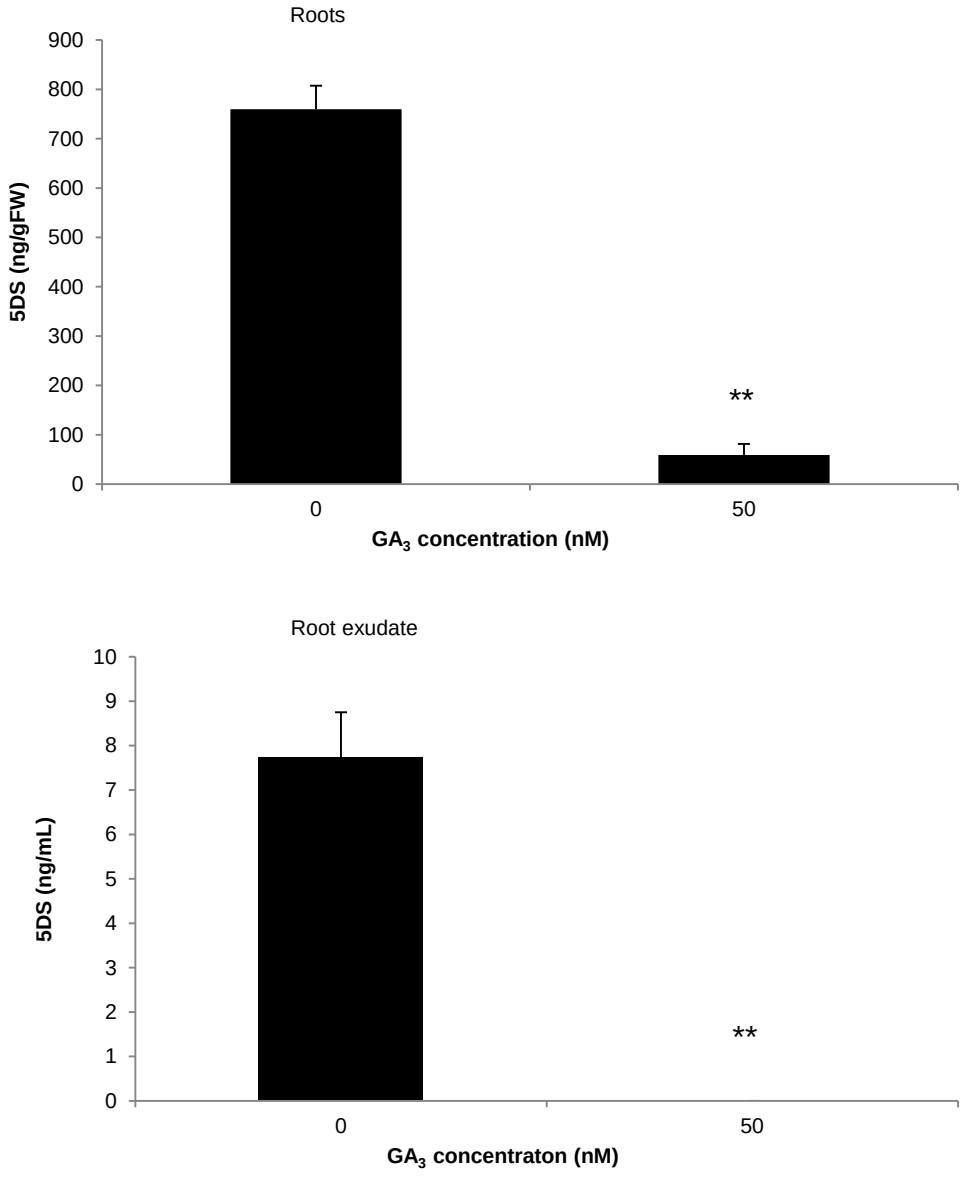
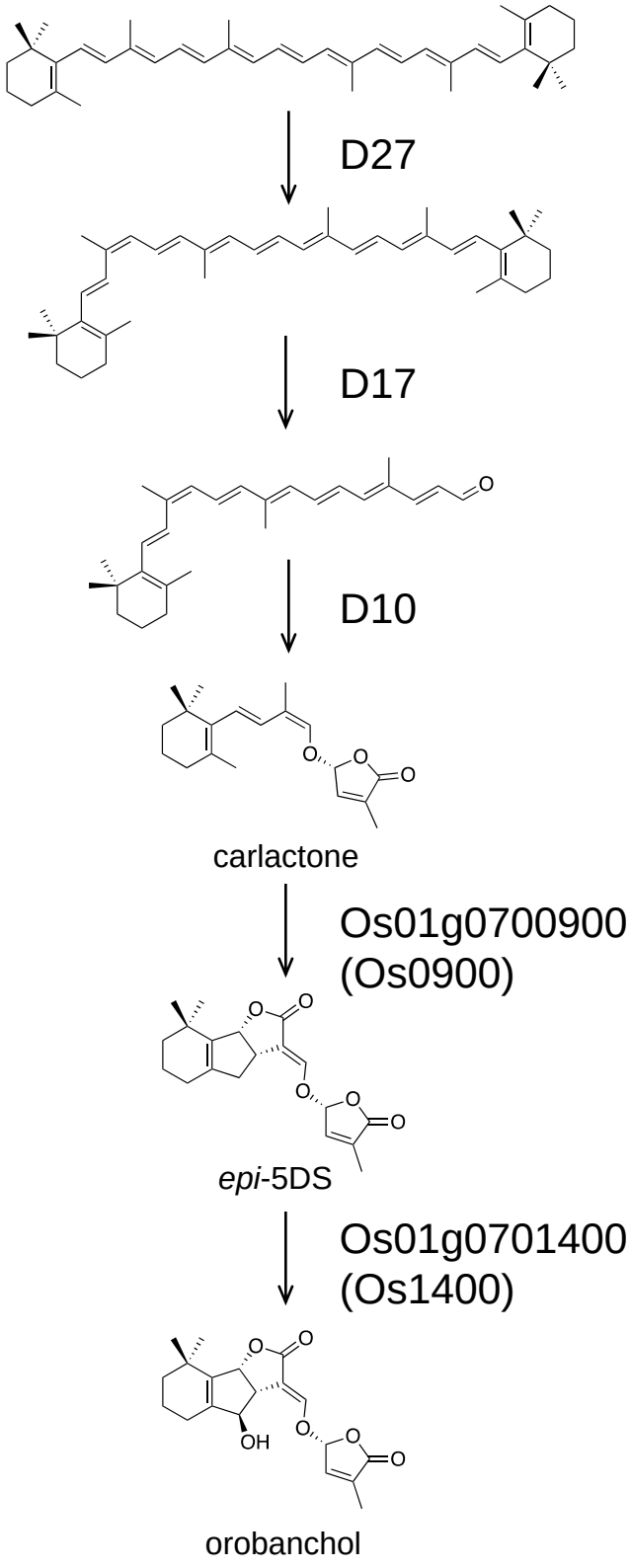
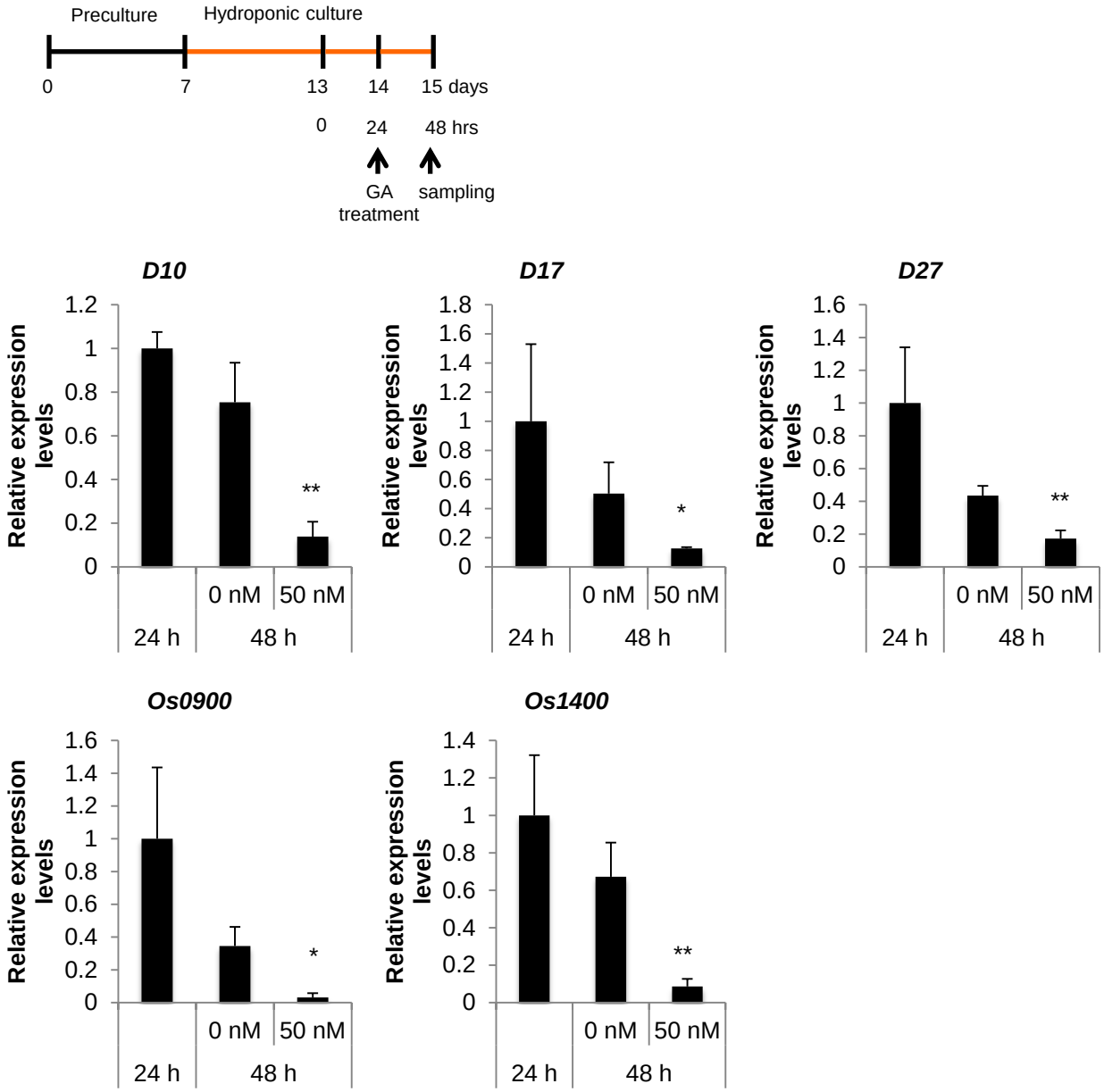


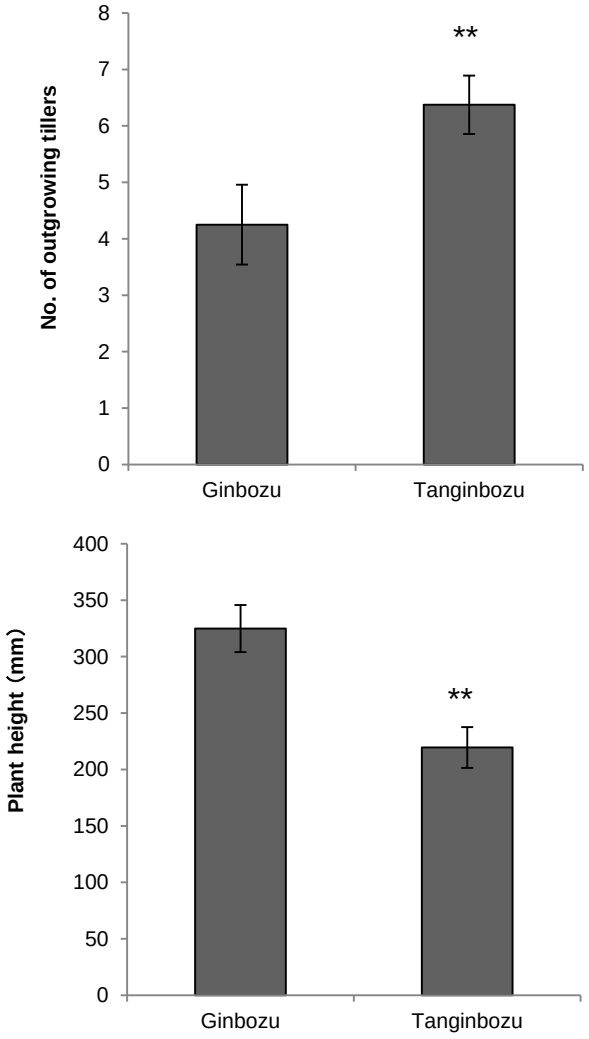
Supplemental Fig. 1
Effect of GA_3 on SL levels of *Lotus japonicus* root culture.
5DS levels in root exudates of GA_3-treated root culture by LC-MS/MS. Columns marked with ** indicate significant differences (Student's *t*-test, $P < 0.01$)



Supplemental Fig. 2
SL biosynthesis pathway in rice



Supplemental Fig. 3
Effects of GA on transcript levels of SL biosynthesis genes in roots.
A, Schematic diagram showing the experimental conditions. Orange bar indicates a hydroponic culture without Pi. We transferred rice seedlings into fresh media without GA_3 at day 13 and treated GA_3 at day 14. B, Transcript levels of SL biosynthesis genes in GA (50nM)-treated rice. Data are means ± SD (n = 3). Columns marked with * and ** indicate significant difference from 0 nM GA_3-treated rice (*t*-test, $P < 0.05$ and $P < 0.01$, respectively).



Supplemental Fig. 4
Tiller number and plant height of GA biosynthesis mutant (Tanginbozu).
Columns marked with ** indicate significant differences (Student's *t*-test, $P < 0.01$).