



**S4 Fig. Rice plants overexpressing *OsIAA12* or deficiency of *OsARF17* present no change in abaxial region of flag leaf collar.**

- A. The cross-sections of the abaxial region of the flag leaf collar of rice plants overexpressing *OsIAA12* or deficiency of *OsARF17* by Crispr/Cas9 at 10 days after heading. Bar=50 μm.
- B. The number of cell layers (left) and cell length (right) of abaxial region of collar (shown in S4A) were calculated and statistical analysis by using Student's t-test revealed no differences. Data are shown as means ± SD (n>30).