



Supplementary Figure S1. Screening and phenotyping of transgenic plants. (a): Screening of *HrFAD2-1* transgenic plants. (b): Screening of *HrFAD2-3* transgenic plants. (c), (d): Observation of leaf phenotype of transgenic plants. (\*:  $p < 0.05$  \*\*:  $0.001 < P < 0.01$  \*\*\*:  $0.0001 < P < 0.001$  \*\*\*\*:  $0.00001 < P < 0.0001$ )