



**Figure S3. *SIMETS1* gene silencing efficiency identification and *CBF-COR* gene expression analysis in *SIMETS1* silenced plants.** (A) Successful gene silencing of *SIMETS1* by construct TRV2-METS1 was confirmed by RT-qPCR. (B) *CBF-COR* gene expression in *SIMETS1* silenced plants (*TRV2- METS1*) comparing with control (*TRV2*) under 4°C cold condition. *SIEfa* was used as the internal reference. The experiments were repeated at least three times, and each replicate sampled from 16 to 20 plants (mean  $\pm$  s.d.). Each group of data is tested with the respective control sample by *t*-test, \*,  $p < 0.05$ , \*\*,  $p < 0.01$ ,  $n = 6$ .