



**Supplementary Fig. 1** Validation of the results of RNA-seq by means of qRT-PCR. Cucumber seedlings were exogenously sprayed with deionized water (H<sub>2</sub>O) or 75  $\mu$ M MT and sampled at the two-leaf stage after having been exposed to chilling stress (5  $^{\circ}$ C) for 0 h and 12 h, respectively. RNA-seq expression is denoted by red broken lines, while qRT-PCR relative mRNA expression is shown as black histograms. The means ( $\pm$  SDs) of three replicates are presented. Significant differences between samples are indicated by different letters (Duncan's new multiple range test,  $P < 0.05$ ).