



Supplementary Figure 12. The phylogenetic tree, conserved motifs, and gene structure of NADP-ME in ice plant and other species. On the left-hand side of the dendrogram, schematic depictions elucidate the conserved motifs present within NADP-ME proteins, as discerned through the utilization of MEME. These representations employ a diverse palette of colors, each corresponding to a distinct motif identified within the NADP-ME protein sequences. On the right side of the dendrogram, schematic illustration delineates the gene architecture characteristic of NADP-ME proteins, rendered through TBtools. The green hues demarcate CDS and the yellow demarcate UTR.