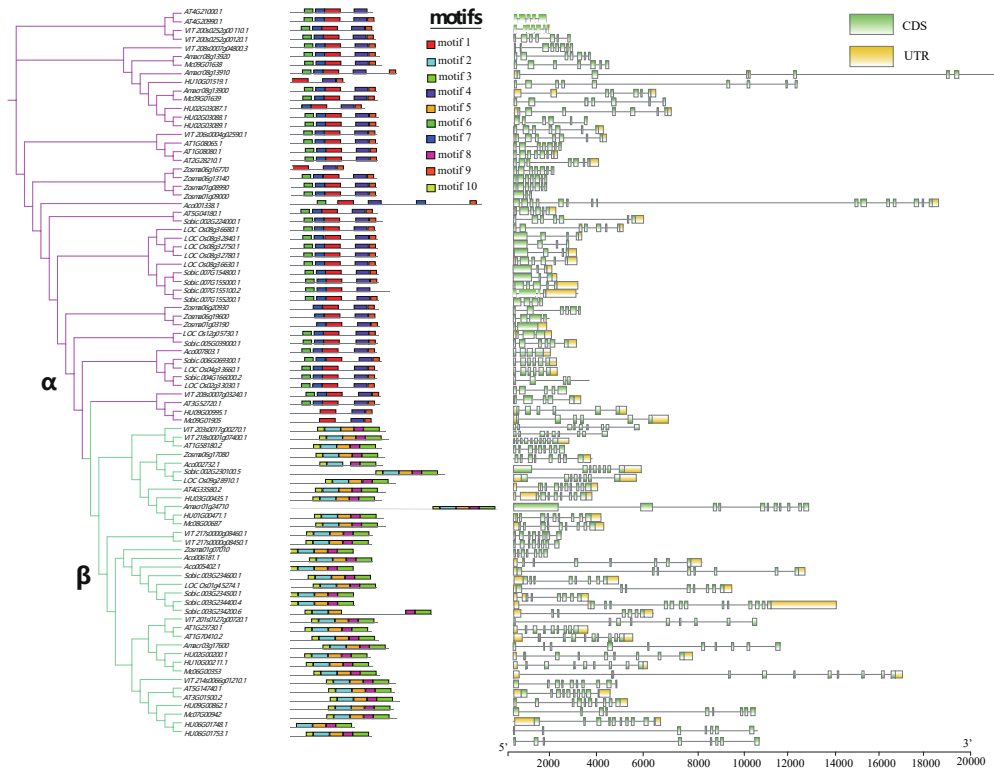




Supplementary Figure 6. Phylogenetic tree, conserved motifs and gene structure of ice plant and other species carbonic anhydrases. On the left-hand side of the dendrogram, schematic depictions elucidate the conserved motifs present within CA proteins, as discerned through the utilization of MEME. These representations employ a diverse palette of colors, each corresponding to a distinct motif identified within the CA protein sequences. On the right side of the dendrogram, schematic illustration delineates the gene architecture characteristic of CA proteins, rendered through TBtools. The green hues demarcate CDS and the yellow demarcate UTR.