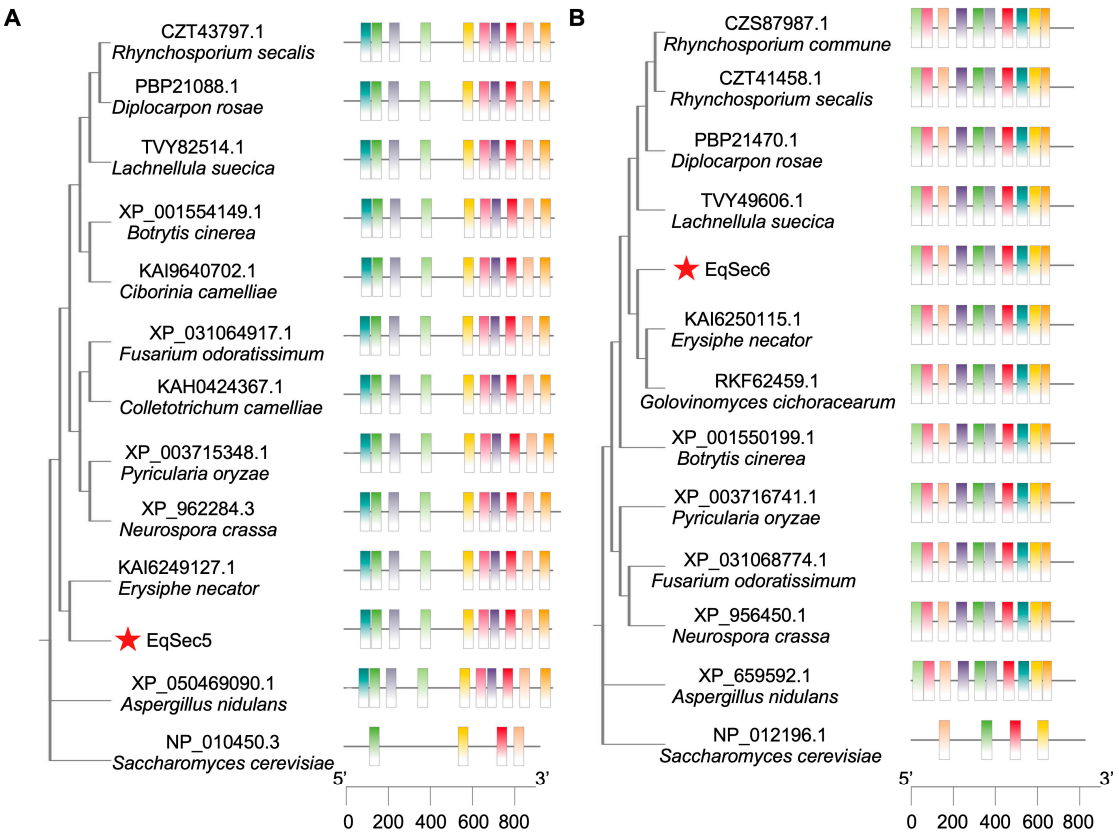



**Figure S2** Phylogenetic trees and conservative protein motifs of (A) EqSec5 and (B) EqSec6. Phylogenetic trees were identified using MEGA7. The conserved motifs of the sec5 or sec6 proteins were identified via MEME, shown with different colors representing distinct motifs. The scale bars at the bottom denote the protein sequence lengths.