



Figure S1. Phylogenetic analysis of effector candidates XP027837426.1. A, Neighbor joining tree of BLASTP hits of XP027837426.1 in *Aphis gossypii*, the red arrow indicates effector candidates identified in the study; B, Fast minimum evolution tree of the first 50 hits of XP027837426.1, XP027837426.1 was included in the yellow branch.