



**Figure S4.** Phylogenetic tree reconstructed with IQ-TREE method based on 15 genes (13 *PCGs* + 2 *rRNAs*) (18 species) under MFP + MERGE model. Newly sequenced species in this study are highlighted in red color. The numbers above nodes in the tree are the SH-aLRT (left) and bootstrap values (right). Tips of synonymous species are highlighted in black color. Different colored backgrounds represent the different genera.