



Fig. S4: The common and differential effects of inoculation with F9 and Pa on the distribution of metabolites in *A. lancea* rhizomes. The first principal component (PC1) in PCA analysis explained 42.98% of the difference between F9, Pa, and CK (A). PC1 explained 22.5% of the difference between F9 inoculation and Pa inoculation group (B). Further, differential accumulation metabolites (DAMs) number (C) and Venn analysis (D) from pairwise comparisons among F9, Pa inoculation groups and the control were showed. Based on Venn analysis, the specific (E-F, H) or common (G) DAMs accumulated in *A.lancea* rhizomes caused by F9 or Pa were visualized by heat map. Abbreviation, "r" represents rhizome.