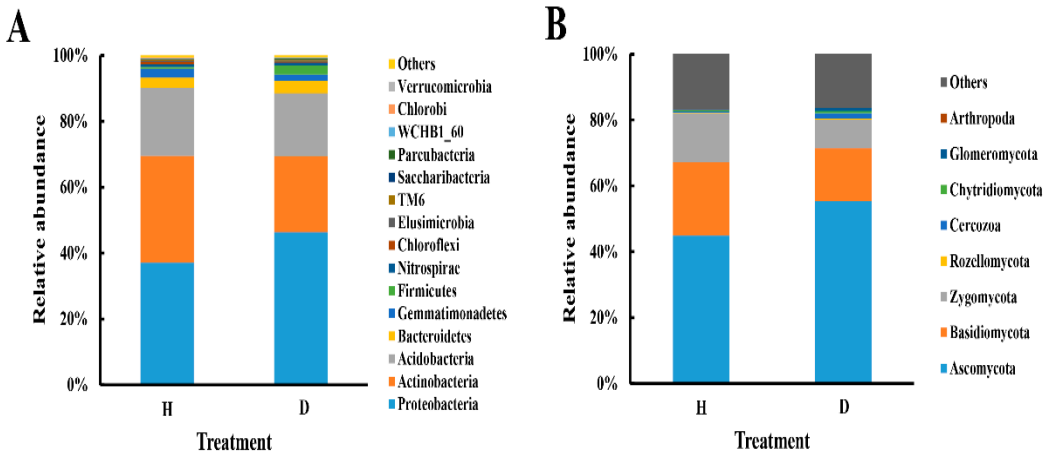

Figure S1. Relative abundance of bacteria (**A**) and fungi (**B**) at the phylum level. H and D represented healthy tree and diseased trees, respectively.

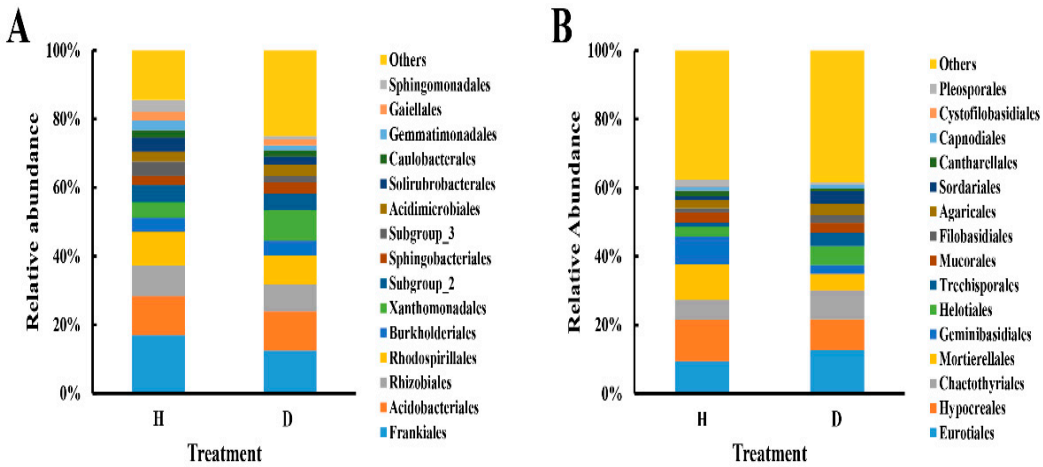

Figure S2. Relative abundance of bacteria (A) and fungi (B) at the order level. H and D represented healthy tree and diseased trees, respectively.

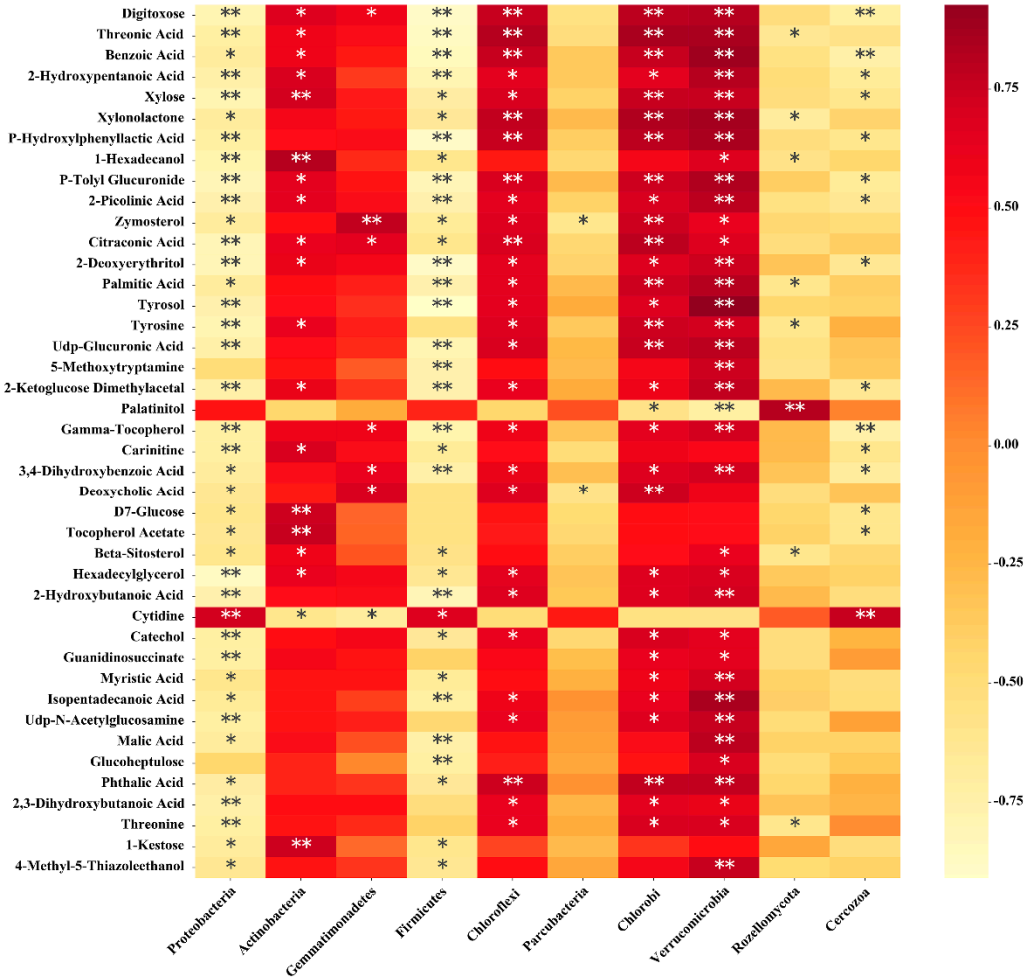

Figure S3. Heatmap of correlation analysis between the microorganism relative abundances at phylum level and the metabolite relative contents. * and ** indicate a significant correlation at $P < 0.05$ and $P < 0.01$, respectively.

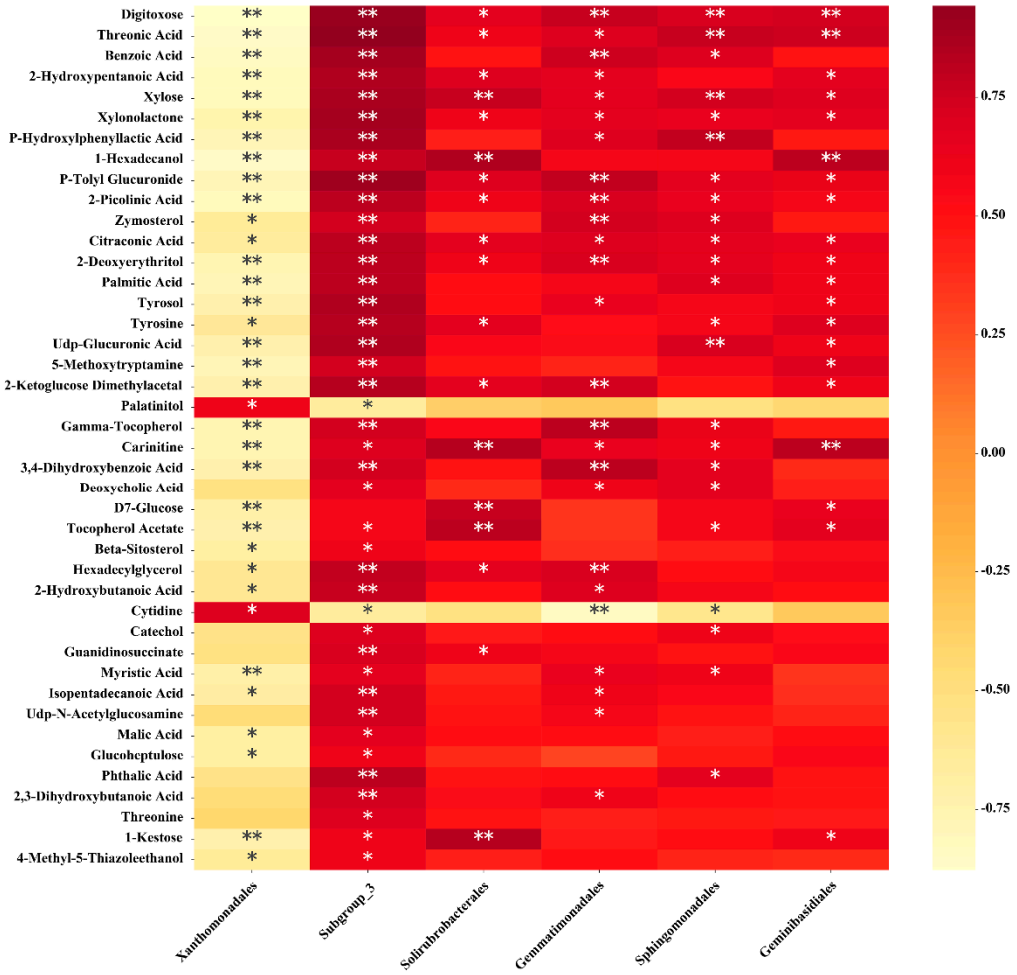

Figure S4. Heatmap of correlation analysis between the microorganism relative abundances at order level and the metabolite relative contents. * and ** indicate a significant correlation at $P < 0.05$ and $P < 0.01$, respectively.