

Supplementary Figure 7. Taxonomic features of UC patients from USA IBD-cohort. **(A)** LDA Effect Size (LEfSe) cladograms of taxonomic abundance of metagenomic samples from controls and UC patients. The cladogram shows the taxonomic levels represented by rings with phyla at the innermost ring and genera at the outermost ring, and each circle is a member within that level. Taxa at each level are shaded green (enriched in UC) or red (enriched in Control) ($P < 0.05$; LDA score > 2.0). **(B)** LDA effect size plots of species abundance of metagenomic samples from controls and UC patients. “*” in red indicates OGA encoding species. The LDA score indicated in the furthest right column according to the group in which it is more abundant ($P < 0.05$; LDA score > 2.0).

