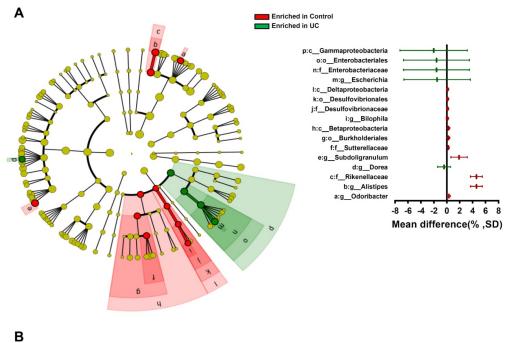
Supplementary Figure 7. Taxonomic features of UC patients from USA IBD-corhort. (A) LDA Effect Size (LEfSe) cladograms of taxonomic abundance of metagenomic samples from controls and UC patients. The cladogram shows the taxonomic levels represented by rings with phyla at the innermost ring and genera 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





Phylum	Class	Order	Family	Genus	Species	LDA score
Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Odoribacter	Splanchnicus	
			Rikenellaceae	Alistipes	Onderdonkii	
					Finegoldii	
					Shahii	
					Putredinis	
Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium	Leptum	
			Eubacteriaceae	Eubacterium	Siraeum	
			Lachnospiraceae	Coprococcus	Eutactus	
			Oscillospiraceae	Oscillibacter	Unclassified	
				Ruminococcus	Bromii	
					Albus	
					Sp_5_1_39bfaa *	
				Subdoligranulum	Unclassified	
Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Bilophila	Unclassified	
Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Unclassified	