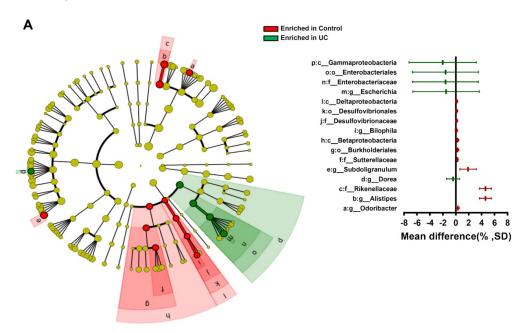
Supplementary Figure 7. Taxonomic features of UC patients from USA IBD-corhort. (**A**) LDA Effect Size (LEfSe) cladograms of taxonomic abundance of metagenomic samples from controls and UC patients. The cladogram shows the taxonomic levels represented by rings with phyla at the innermost ring and genera 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 score > 2.0).



3							
Ph	nylum	Class	Order	Family	Genus	Species	LDA score
Ва	cteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Odoribacter	Splanchnicus	
				Rikenellaceae	Alistipes	Onderdonkii	
						Finegoldii	
						Shahii	
						Putredinis	
Fin	micutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium	Leptum	
				Eubacteriaceae	Eubacterium	Siraeum	
				Lachnospiraceae	Coprococcus	Eutactus	
				Oscillospiraceae	Oscillibacter	Unclassified	
					Ruminococcus	Bromii	
						Albus	
						Sp_5_1_39bfaa	•
					Subdoligranulum	Unclassified	
Pro	oteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Bilophila	Unclassified	
Pro	oteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Unclassified	
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