

Table S2. Wilcoxon tests with Benjamini-Hochberg stepwise adjustment for multiple pairwise comparisons between clinical groups (adjusted p-value threshold = 0.05. Variables are those illustrated on Figure 3, i.e. sum of specific spectra (SC) per species, then packed into phyla. Only phyla for which Kruskal-Wallis test was significant are reported. Significant pairwise comparisons are in bold characters.

Abundance

sum_SC in the phylum
Firmicutes

	CDC	CDIC	CTRL
CDIC	0.47619	-	-
CTRL	0.00056	0.04396	-
UC	0.04396	0.12157	8.3e-08

sum_SC in the phylum
Proteobacteria

	CDC	CDIC	CTRL
CDIC	0.0190	-	-
CTRL	0.5265	0.0087	-
UC	0.7181	0.0078	0.2099

sum_SC in the phylum
Bacteroidetes

	CDC	CDIC	CTRL
CDIC	0.4229	-	-
CTRL	0.3462	0.6167	-
UC	0.3057	0.2373	0.0021

sum_SC in unclassified
bacteria

	CDC	CDIC	CTRL
CDIC	0.476	-	-
CTRL	0.166	0.166	-
UC	0.476	0.396	0.015

sum_SC for human proteins

	CDC	CDIC	CTRL
CDIC	0.257	-	-
CTRL	0.010	0.146	-
UC	0.061	0.016	2.5e-06

number_Subgroups in the phylum
Firmicutes

	CDC	CDIC	CTRL
CDIC	0.7619	-	-
CTRL	0.0024	0.0058	-
UC	0.0933	0.1522	1.7e-07

number_Subgroups in the phylum
Proteobacteria

	CDC	CDIC	CTRL
CDIC	0.0278	-	-
CTRL	0.3416	0.0087	-
UC	0.7104	0.0087	0.1056

number_Subgroups in the phylum
Bacteroidetes

	CDC	CDIC	CTRL
CDIC	0.42	-	-
CTRL	0.25	0.75	-
UC	0.42	0.25	0.03

number_Subgroups in unclassified
bacteria

	CDC	CDIC	CTRL
CDIC	0.6689	-	-
CTRL	0.0643	0.1033	-
UC	0.4066	0.4066	0.0046

number_Subgroups human proteins

	CDC	CDIC	CTRL
CDIC	0.4762	-	-
CTRL	0.0224	0.0012	-
UC	0.0391	0.0157	8.3e-08

Diversity