

Table S1. Wilcoxon tests with Benjamini-Hochberg stepwise adjustment for multiple pairwise comparisons between clinical groups (adjusted p-value threshold = 0.05). Variables in the left- and right-hand column are those illustrated on Figure 2a and Figure 2b, respectively. Significant pairwise comparisons are in bold characters.

subgrp.ALL

| | CDC | CDIC | CTRL |
|------|----------------|----------------|----------------|
| CDIC | 0.60952 | - | - |
| CTRL | 0.00032 | 0.00991 | - |
| UC | 0.28693 | 0.28693 | 5.8e-07 |

subgrp.bact

| | CDC | CDIC | CTRL |
|------|---------------|---------------|----------------|
| CDIC | 0.4762 | - | - |
| CTRL | 0.0027 | 0.0099 | - |
| UC | 0.1556 | 0.1186 | 8.3e-08 |

subgrp.phylum

| | CDC | CDIC | CTRL |
|------|----------------|----------------|----------------|
| CDIC | 0.47619 | - | - |
| CTRL | 0.00032 | 0.00991 | - |
| UC | 0.15560 | 0.11863 | 8.3e-08 |

n.phyla

| | CDC | CDIC | CTRL |
|------|------|------|------|
| CDIC | 0.34 | - | - |
| CTRL | 0.34 | 0.83 | - |
| UC | 0.87 | 0.34 | 0.34 |

subgrp.class

| | CDC | CDIC | CTRL |
|------|----------------|----------------|----------------|
| CDIC | 0.47619 | - | - |
| CTRL | 0.00032 | 0.00991 | - |
| UC | 0.15560 | 0.11863 | 8.3e-08 |

n.classes

| | CDC | CDIC | CTRL |
|------|-------|-------|-------|
| CDIC | 0.293 | - | - |
| CTRL | 0.227 | 0.654 | - |
| UC | 0.639 | 0.186 | 0.057 |

subgrp.order

| | CDC | CDIC | CTRL |
|------|----------------|----------------|----------------|
| CDIC | 0.47619 | - | - |
| CTRL | 0.00032 | 0.00991 | - |
| UC | 0.15560 | 0.11863 | 8.3e-08 |

n.orders

| | CDC | CDIC | CTRL |
|------|-------|-------|-------|
| CDIC | 0.425 | - | - |
| CTRL | 0.199 | 0.849 | - |
| UC | 0.548 | 0.199 | 0.055 |

subgrp.family

| | CDC | CDIC | CTRL |
|------|---------------|---------------|----------------|
| CDIC | 0.4762 | - | - |
| CTRL | 0.0024 | 0.0187 | - |
| UC | 0.1556 | 0.1186 | 2.1e-05 |

n.families

| | CDC | CDIC | CTRL |
|------|------|------|------|
| CDIC | 0.20 | - | - |
| CTRL | 0.14 | 0.70 | - |
| UC | 0.70 | 0.20 | 0.14 |

subgrp.genus

| | CDC | CDIC | CTRL |
|------|----------------|----------------|----------------|
| CDIC | 0.47619 | - | - |
| CTRL | 0.00032 | 0.00991 | - |
| UC | 0.13121 | 0.11863 | 8.3e-08 |

n.genera

| | CDC | CDIC | CTRL |
|------|--------|--------|---------------|
| CDIC | 0.4229 | - | - |
| CTRL | 0.1650 | 0.6029 | - |
| UC | 0.3111 | 0.3111 | 0.0071 |

subgrp.species

| | CDC | CDIC | CTRL |
|------|----------------|----------------|----------------|
| CDIC | 0.60952 | - | - |
| CTRL | 0.00056 | 0.00330 | - |
| UC | 0.13121 | 0.11863 | 8.3e-08 |

n.species

| | CDC | CDIC | CTRL |
|------|---------|---------|----------------|
| CDIC | 0.60952 | - | - |
| CTRL | 0.06676 | 0.25362 | - |
| UC | 0.19450 | 0.15817 | 0.00016 |

subgrp.human

| | CDC | CDIC | CTRL |
|------|---------------|---------------|----------------|
| CDIC | 0.4762 | - | - |
| CTRL | 0.0200 | 0.0012 | - |
| UC | 0.0391 | 0.0157 | 8.3e-08 |

n.ko

| | CDC | CDIC | CTRL |
|------|---------------|---------------|--------------|
| CDIC | 0.2143 | - | - |
| CTRL | 0.0092 | 0.4495 | - |
| UC | 0.2143 | 0.0092 | 8e-06 |