**Supplementary Table 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxa** | **Relative Abundance** | **Dispersion** | **Adjusted *P*\*** |
| **Estimate** | **Standard Error** | **Estimate** | **Standard Error** |
| *Pseudomonadaceae\_Pseudomonas* | -0.4350  | 0.1078 | -0.5735  | 0.1177 | 0.0009 |
| *Enterobacteriaceae\_Escherichia/Shigella* | 1.4461  | 0.2594 | 1.4258  | 0.3617 | 0.0001 |
| *Bifidobacteriaceae\_Bifidobacterium* | 1.5050  | 0.4177 | 1.6690  | 0.4103 | 0.02 |
| *Leptotrichiaceae\_Leptotrichia* | 0.9960  | 0.2382 | 1.2541  | 0.2803 | 0.008 |
| *Carnobacteriaceae\_Carnobacteriaceae\_unclassified* | 0.22216  | 0.06478 | 0.9318  | 0.2599 | 0.02 |
| *Prevotellaceae\_Prevotella* | 1.2687  | 0.3136 | 2.0394  | 0.6065 | 0.04 |

\*Adjusted for FDR