|  |  |  |  |
| --- | --- | --- | --- |
| **stat** | **p.value** | **Family** | **Genus** |
| 0.278048852 | 0.035 | Eggerthellaceae | Eggerthella |
| 0.299600479 | 0.04 | Eggerthellaceae | Enterorhabdus |
| 0.37043476 | 0.03 | Bifidobacteriaceae | Bifidobacterium |
| 0.219089023 | 0.03 | Clostridia\_vadinBB60\_group | Clostridia\_vadinBB60\_group |
| 0.219089023 | 0.025 | Clostridia\_UCG-014 | Clostridia\_UCG-014 |
| 0.279341578 | 0.025 | Desulfovibrionaceae | uncultured |
| 0.228706222 | 0.035 | Desulfovibrionaceae | Desulfovibrio |
| 0.219089023 | 0.035 | Christensenellaceae | Christensenellaceae\_R-7\_group |
| 0.304654374 | 0.035 | Christensenellaceae | Christensenellaceae\_R-7\_group |
| 0.430303383 | 0.005 | Christensenellaceae | Christensenellaceae\_R-7\_group |
| 0.279471404 | 0.015 | Christensenellaceae | Christensenellaceae\_R-7\_group |
| 0.358323504 | 0.02 | Christensenellaceae | Christensenellaceae\_R-7\_group |
| 0.417670713 | 0.005 | Christensenellaceae | Christensenellaceae\_R-7\_group |
| 0.219089023 | 0.03 | Christensenellaceae |  |
| 0.283429365 | 0.005 | Oxalobacteraceae |  |
| 0.487644255 | 0.005 | Oscillospiraceae | UCG-002 |
| 0.300393594 | 0.01 | Oscillospiraceae | UCG-005 |
| 0.32453969 | 0.035 | Oscillospiraceae | NK4A214\_group |
| 0.438548014 | 0.01 | Ruminococcaceae | Incertae\_Sedis |
| 0.442751438 | 0.005 | Ruminococcaceae | DTU089 |
| 0.327570662 | 0.01 | Ruminococcaceae | Angelakisella |
| 0.223697611 | 0.04 | Bacteroidaceae | Bacteroides |
| 0.21062363 | 0.045 | Lachnospiraceae | Sellimonas |
| 0.262406345 | 0.025 | Lachnospiraceae |  |

Table 1. Group 2 Unique species compared to Group 1

Initial indicator taxa analysis shows that group 1 has 16 unique ASVs that can be attributed solely to group 1. Group 2 has 32 unique ASVs. However, when adding in the different dopamine agonist drug treatments, group 1 and 2 do not have any ASVs that are unique to those two groups. However, Group 3 has 50, and group 6 has 72.

Furthermore, it is interesting that when comparing group combinations: 1+2+4+5+6 has 1 unique ASV, and 1+3+4+5+6 also share 2 unique ASVs. These can indicate that drug treatments 2, 4, 5, 6 may bring back ASV “ff241ad98176a2c70cdb70878176ca2e” and drug treatment 3, 4, 5, 6 may bring back ASV “73065c19f4e1c203a9aab9f6c18adc81” and “8c3c2cadc6f0966f44b3f2371d81abd3”