**Table, Supplemental Digital Content 4.** The significant differences in the comparison of the microbiota compositions of the patients (n=34) and the controls (n=141).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Taxon | p-value | Model | FoldChange | FDR-p-value |
| Actinobacteria\_Actinobacteria\_Actinomycetales\_Actinomycetaceae\_Actinomyces | 1,10E-07 | log nlme::gls | 1,81 | 3,81E-07 |
| Actinobacteria\_Actinobacteria\_Bifidobacteriales\_Bifidobacteriaceae\_Bifidobacterium | 3,50E-02 | MASS::glm.nb | 0,71 | 5,26E-02 |
| Actinobacteria\_Coriobacteriia\_Coriobacteriales\_Coriobacteriaceae\_Collinsella | 1,10E-09 | log nlme::gls | 0,09 | 4,97E-09 |
| Bacteroidetes\_Bacteroidia\_Bacteroidales\_Bacteroidaceae\_Bacteroides | 6,55E-08 | MASS::glm.nb | 0,48 | 2,50E-07 |
| Bacteroidetes\_Bacteroidia\_Bacteroidales\_Porphyromonadaceae\_Parabacteroides | 4,77E-04 | MASS::glm.nb | 1,78 | 8,26E-04 |
| Bacteroidetes\_Bacteroidia\_Bacteroidales\_Prevotellaceae\_Prevotella | 5,42E-05 | MASS::glm.nb | 2,91 | 1,22E-04 |
| Bacteroidetes\_Bacteroidia\_Bacteroidales\_Rikenellaceae\_Alistipes | 2,32E-02 | log nlme::gls | 0,44 | 3,60E-02 |
| Firmicutes\_Bacilli\_Bacillales\_Staphylococcaceae\_Staphylococcus | 1,82E-04 | log nlme::gls | 2,91 | 3,56E-04 |
| Firmicutes\_Bacilli\_Lactobacillales\_Lactobacillaceae\_Lactobacillus | 1,81E-07 | log nlme::gls | 6,47 | 5,81E-07 |
| Firmicutes\_Bacilli\_Lactobacillales\_Streptococcaceae\_Lactococcus | 1,50E-05 | MASS::glm.nb | 3,00 | 3,97E-05 |
| Firmicutes\_Clostridia\_Clostridiales\_Lachnospiraceae\_Anaerostipes | 2,20E-12 | MASS::glm.nb | 0,45 | 1,24E-11 |
| Firmicutes\_Clostridia\_Clostridiales\_Lachnospiraceae\_Butyrivibrio | 2,10E-07 | log nlme::gls | 0,20 | 6,29E-07 |
| Firmicutes\_Clostridia\_Clostridiales\_Lachnospiraceae\_Coprococcus | 7,76E-05 | log nlme::gls | 0,35 | 1,59E-04 |
| Firmicutes\_Clostridia\_Clostridiales\_Lachnospiraceae\_Dorea | 3,15E-07 | nlme::gls | 0,53 | 8,85E-07 |
| Firmicutes\_Clostridia\_Clostridiales\_Lachnospiraceae\_Lachnospira | 3,37E-05 | log nlme::gls | 0,31 | 7,98E-05 |
| Firmicutes\_Clostridia\_Clostridiales\_Lachnospiraceae\_Marvinbryantia | 7,44E-05 | log nlme::gls | 0,34 | 1,59E-04 |
| Firmicutes\_Clostridia\_Clostridiales\_Lachnospiraceae\_Roseburia | 6,00E-03 | MASS::glm.nb | 0,66 | 9,64E-03 |
| Firmicutes\_Clostridia\_Clostridiales\_Ruminococcaceae\_Faecalibacterium | 3,19E-15 | MASS::glm.nb | 0,35 | 2,40E-14 |
| Firmicutes\_Clostridia\_Clostridiales\_Ruminococcaceae\_Flavonifractor | 2,93E-04 | log nlme::gls | 0,35 | 5,50E-04 |
| Firmicutes\_Clostridia\_Clostridiales\_Ruminococcaceae\_Oscillospira | 2,78E-16 | MASS::glm.nb | 0,25 | 3,13E-15 |
| Firmicutes\_Clostridia\_Clostridiales\_Ruminococcaceae\_Subdoligranulum | 1,97E-05 | MASS::glm.nb | 1,91 | 4,92E-05 |
| Firmicutes\_Erysipelotrichia\_Erysipelotrichales\_Erysipelotrichaceae\_Holdemania | 1,22E-10 | MASS::glm.nb | 0,29 | 6,10E-10 |