**S1 Table. Plaque microbiota genera percent relative abundances, *p-*values, and FDR *p-*values (n=30).** 54 selected genera from prior to, and one week post-dental prophylaxis, ordered by relative abundance.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Taxon** | **Pre-Dental Median %** **(Min-Max)** | **1Week Median %****(Min-Max)** | ***p-*value** | **FDR *p-*value** |
| *Treponema* | 32.33(9.03 – 66.75) | 11.71(1.99 – 63.11) | 0.0006 | 0.0035 |
| Unclassified Clostridiales | 9.01(4.17 – 19.30) | 7.19(0.92 – 16.06) | 0.0309 | 0.0644 |
| Unclassified Peptostreptococcaceae | 6.23(0.23 – 20.27) | 5.20(0.18 – 13.31) | 0.8809 | 0.8820 |
| *Porphyromonas* | 3.88(0.51 – 15.40) | 3.24(0.03 – 18.64) | 0.6370 | 0.6995 |
| Unclassified Lachnospiraceae | 1.86(0.76 – 3.85) | 0.99(0.13 – 3.60) | 0.0004 | 0.0031 |
| Unclassified Firmicutes | 1.41(0.33 – 5.00) | 0.74(0.07 – 5.27) | 0.0182 | 0.0410 |
| *Streptobacillus* | 1.34(0.04 – 18.85) | 0.06(0 – 10.98) | 0.0082 | 0.0263 |
| *Desulfomicrobium* | 1.11(0.05 – 4.16) | 0.17(0 – 1.45) | < 0.0001 | 0.0009 |
| *Pasteurella* | 1.11(0.25 – 8.57) | 5.07(0.01 – 39.73) | 0.0004 | 0.0031 |
| Unclassified Pasteurellaceae | 1.00(0.21 – 7.69) | 1.38(0.10 – 11.74) | 0.1168 | 0.1845 |
| *Acetoanaerobium* | 0.85(0.04 – 3.12) | 0.47(0.04 – 4.05) | 0.2854 | 0.3503 |
| SR1\_genus\_incertae\_sedis | 0.78(0.06 – 3.13) | 0.78(0.01 – 2.79) | 0.7453 | 0.7892 |
| *Mannheimia* | 0.72(0.04 – 4.59) | 0.70(0.02 – 10.70) | 0.1572 | 0.2177 |
| Unclassified Proteobacteria | 0.72(0.16 – 5.06) | 0.92(0.13 – 2.64) | 0.4251 | 0.4782 |
| *Actinomyces* | 0.51(0.07 – 4.14) | 2.07(0.10 – 21.28) | 0.0022 | 0.0100 |
| Unclassified Comamonadaceae | 0.40(0.01 – 2.81) | 1.06(0.01 – 4.68) | 0.0366 | 0.0731 |
| *Neisseria* | 0.39(0.04 – 2.65) | 2.09(0.08 – 45.14) | 0.0117 | 0.0316 |
| *Desulfobulus* | 0.37(0 – 8.12) | 0.03(0 – 4.97) | 0.0101 | 0.0289 |
| *Bibersteinia* | 0.37(0.03 – 1.45) | 0.51(0 – 4.06) | 0.1449 | 0.2114 |
| *Campylobacter* | 0.37(0.03 – 5.79) | 0.45(0.03 – 1.33) | 0.6477 | 0.6995 |
| *Tannerella* | 0.36(0.01 – 2.28) | 1.17(0.03 – 3.43) | 0.0006 | 0.0035 |
| Unclassified Eubacteriaceae | 0.35(0.01 – 2.28) | 0.38(0.01 – 6.31) | 0.1512 | 0.2148 |
| *Moraxella* | 0.3(0.03 – 2.13) | 1.01(0.05 – 7.77) | 0.0013 | 0.0063 |
| Unclassified Neisseriaceae | 0.29(0.01 – 2.73) | 0.38(0.01 – 4.84) | 0.1200 | 0.1845 |
| *Catonella* | 0.25(0.01 – 1.42) | 0.3(0.01 – 2.50) | 0.8820 | 0.8820 |
| *Spirochaeta* | 0.24(0 – 1.96) | 0.05(0 – 1.90) | 0.1088 | 0.1781 |
| Unclassified Moraxellaceae | 0.21(0.01 – 5.09) | 1.24(0.03 – 9.79) | 0.0181 | 0.0410 |
| *Desulfovibrio* | 0.19(0.02 – 1.89) | 0.03(0 – 2.13) | 0.0083 | 0.0263 |
| Unclassified Spirochaetaceae | 0.19(0 – 1.17) | 0.02(0 – 0.83) | 0.0060 | 0.0213 |
| Unclassified Porphyromonadaceae | 0.17(0 – 0.83) | 0.29(0.02 – 0.97) | 0.1251 | 0.1876 |
| Unclassified Ruminococcaceae | 0.16(0.02 – 8.54) | 0.18(0.01 – 3.37) | 0.0310 | 0.0644 |
| Unclassified Bacteroidetes | 0.16(0.05 – 1.87) | 0.11(0.01 – 1.48) | 0.0740 | 0.1379 |
| Unclassified Deltaproteobacteria | 0.15(0.01 – 3.62) | 0.07(0.01 – 0.45) | 0.0102 | 0.0289 |
| *Paludibacter* | 0.13(0 – 1.45) | 0.06(0 – 0.69) | 0.1032 | 0.1742 |
| Unclassified Desulfovibrionaceae | 0.13(0.04 – 0.54) | 0.02(0 – 1.35) | 0.1912 | 0.2459 |
| *Capnocytophaga* | 0.12(0 – 0.66) | 0.67(0.01 – 3.51) | < 0.0001 | 0.0009 |
| *Arcobacter* | 0.12(0 – 5.20) | 0.05(0 – 1.44) | 0.0900 | 0.1568 |
| *Suttonella* | 0.12(0 – 1.50) | 0.22(0 – 6.46) | 0.0792 | 0.1425 |
| Unclassified Bacteriodales | 0.08(0.02 – 0.65) | 0.08(0 – 0.30) | 0.0522 | 0.1006 |
| Unclassified Betaproteobacteria | 0.08(0.01 – 2.23) | 0.10(0 – 3.12) | 0.8713 | 0.8820 |
| *Stenotrophomonas* | 0.08(0.01 – 0.60) | 0.10(0.01 – 0.92) | 0.3483 | 0.4088 |
| *Bergeyella* | 0.07(0 – 1.22) | 0.12(0 – 2.16) | 0.1749 | 0.2357 |
| *Haemophilus* | 0.07(0.01 – 1.11) | 0.05(0 – 0.53) | 0.2398 | 0.3012 |
| Unclassified Actinomycetales | 0.06(0.02 – 0.37) | 0.67(0.03 – 3.53) | < 0.0001 | 0.0001 |
| Unclassified Flavobacteriaceae | 0.06(0.01 – 0.82) | 0.22(0.05 – 3.51) | 0.0161 | 0.0395 |
| *Delftia* | 0.05(0 – 0.43) | 0.08(0 – 0.92) | 0.3704 | 0.4256 |
| Unclassified Actinomycetaceae | 0.04(0 – 0.81) | 0.18(0 – 1.33) | 0.0037 | 0.0143 |
| Unclassified Burkholderiales | 0.04(0.01 – 0.30) | 0.24(0.02 – 1.26) | < 0.0001 | 0.0009 |
| *Corynebacterium* | 0.04(0 – 0.16) | 0.14(0.02 – 1.33) | 0.0026 | 0.0110 |
| Unclassified Enterobacteriaceae | 0.03(0 – 0.24) | 0.12(0.01 – 0.83) | 0.0006 | 0.0035 |
| *Citrobacter* | 0.03(0 – 0.34) | 0.14(0.01 – 2.79) | 0.0138 | 0.0355 |
| *Acinetobacter* | 0.01(0 – 1.22) | 0.18(0 – 1.85) | 0.3239 | 0.3887 |
| *Pseudomonas* | 0(0 – 0.36) | 0.08(0 – 56.91) | 0.1789 | 0.2357 |
| *Aeromicrobium* | 0(0 – 0.01) | 0.09(0 – 0.73) | < 0.0001 | 0.0009 |