

Table S3: ORs for individual taxa associated with individuals who had a normal colon or adenomas or carcinomas using data collected from stool. The listed P-values were less than 0.05 prior to using a Benjimani-Hochberg correction for multiple comparisons.

| Taxon | Tumor | OR | 95% CI (Lower Bound) | 95% CI (Upper Bound) | P-value | BH |
|----------------------|-----------|------|----------------------|----------------------|----------|----------|
| Clostridium_XIVb | Adenoma | 1.46 | 1.14 | 1.86 | 2.29e-03 | 2.20e-01 |
| Porphyromonas | Adenoma | 1.77 | 1.19 | 2.62 | 4.48e-03 | 2.20e-01 |
| Lachnospiraceae | Adenoma | 0.71 | 0.56 | 0.91 | 6.40e-03 | 2.20e-01 |
| Novosphingobium | Adenoma | 3.33 | 1.27 | 8.72 | 1.41e-02 | 2.92e-01 |
| Bacteroidales | Adenoma | 1.35 | 1.06 | 1.72 | 1.63e-02 | 2.92e-01 |
| Clostridium_XI | Adenoma | 0.75 | 0.59 | 0.95 | 1.92e-02 | 2.92e-01 |
| Clostridiaceae_1 | Adenoma | 0.71 | 0.54 | 0.95 | 1.99e-02 | 2.92e-01 |
| Lactococcus | Adenoma | 0.68 | 0.47 | 0.97 | 3.56e-02 | 4.59e-01 |
| Porphyromonas | Carcinoma | 3.20 | 2.26 | 4.54 | 6.73e-11 | 5.59e-09 |
| Peptostreptococcus | Carcinoma | 7.11 | 3.84 | 13.17 | 4.60e-10 | 1.91e-08 |
| Parvimonas | Carcinoma | 3.07 | 2.11 | 4.46 | 3.80e-09 | 1.05e-07 |
| Fusobacterium | Carcinoma | 2.74 | 1.95 | 3.85 | 5.54e-09 | 1.15e-07 |
| Escherichia.Shigella | Carcinoma | 2.15 | 1.57 | 2.95 | 2.20e-06 | 3.65e-05 |
| Enterobacteriaceae | Carcinoma | 1.79 | 1.33 | 2.41 | 1.30e-04 | 1.80e-03 |
| Ruminococcus | Carcinoma | 0.63 | 0.48 | 0.83 | 1.19e-03 | 1.41e-02 |
| Clostridium_XI | Carcinoma | 0.65 | 0.49 | 0.86 | 2.94e-03 | 3.05e-02 |
| Roseburia | Carcinoma | 0.60 | 0.41 | 0.88 | 8.98e-03 | 8.28e-02 |
| Clostridium_XIVb | Carcinoma | 1.45 | 1.09 | 1.94 | 1.17e-02 | 9.72e-02 |
| Clostridiaceae_1 | Carcinoma | 0.67 | 0.48 | 0.93 | 1.53e-02 | 1.15e-01 |
| Campylobacter | Carcinoma | 1.76 | 1.10 | 2.82 | 1.88e-02 | 1.30e-01 |
| Anaerococcus | Carcinoma | 2.50 | 1.14 | 5.47 | 2.22e-02 | 1.42e-01 |
| Desulfovibrio | Carcinoma | 1.45 | 1.05 | 2.00 | 2.54e-02 | 1.50e-01 |
| Veillonellaceae | Carcinoma | 1.53 | 1.04 | 2.26 | 3.28e-02 | 1.79e-01 |
| Lachnospiraceae | Carcinoma | 0.69 | 0.49 | 0.97 | 3.44e-02 | 1.79e-01 |