Supplementary table and figures

Supplementary Table 1: Summary of Meta-Analysis Results for Alpha Diversity and Microbial Composition Measures

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Outcome | Effect Size (Log RR) | Standard Error | 95% CI Lower | 95% CI Upper | p-value | TauÂ² | IÂ² (%) | Q (df=18) |
| Alpha Diversity (Shannon Index) | -0.472 | 0.121 | -0.71 | -0.234 | 0.0001 | 0.0279 | 16.4 |  |
| Firmicutes | 0.0762 | 0.0328 | 0.0119 | 0.1405 | 0.0203 | 0.0141 | 96.09 | 544.72 |
| Bacteroidetes | -0.127 | 0.0617 | -0.248 | -0.0061 | 0.0395 | 0.0587 | 92.22 | 286.48 |
| F:B Ratio | 0.1467 | 0.0859 | -0.0216 | 0.3149 | 0.0876 | 0.1398 | 99.91 | 24505.1 |

Figure S1. Funnel plot for alpha diversity

A diagram of a funnel plot

AI-generated content may be incorrect.

Figure S2. Leave-one-out plot for alpha diversity: Leave-one-out sensitivity analysis

A graph with lines and dots

AI-generated content may be incorrect.

Figure S3. Funnel plot for Firmicutes

A graph of a funnel plot

AI-generated content may be incorrect.

Figure S4. Leave-one-out plot for Firmicutes

A graph with lines and numbers

AI-generated content may be incorrect.

Figure S5. Funnel plot for Bacteroidetes

A graph with black dots and white text

AI-generated content may be incorrect.

Figure S6. Leave-one-out plot for Bacteroidetes

A graph of a number of bacteria

AI-generated content may be incorrect.

Figure S7. Funnel plot for F:B ratio

A graph with black dots

AI-generated content may be incorrect.

Figure S8. Leave-one-out plot for F:B ratio

A graph with lines and numbers

AI-generated content may be incorrect.