

# **Investigating the Microbiota and Colorectal Cancer: The Importance of Community**

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Supplemental

**Table S1: Alpha Diversity Metrics RR in Tissue for Adenoma**

Relative Risk	Lower Bound	Upper Bound	P-value	Measure
1.48	0.97	2.27	0.07	OTU Richness
1.88	0.84	4.21	0.12	Shannon Diversity
1.98	0.99	3.95	0.05	Evenness

**Table S2: Alpha Diversity Metrics RR in Tissue for Unmatched Carcinoma Non-Carcinoma Samples**

Relative Risk	Lower Bound	Upper Bound	P-value	Measure
1.27	0.86	1.88	0.23	OTU Richness
1.16	0.83	1.62	0.38	Shannon Diversity
1.32	0.72	2.45	0.37	Evenness

**Table S3: Alpha Diversity Metrics RR in Tissue for Matched Carcinoma Non-Carcinoma Samples**

Relative Risk	Lower Bound	Upper Bound	P-value	Measure
0.67	0.28	1.63	0.38	OTU Richness
0.68	0.37	1.27	0.23	Shannon Diversity
0.68	0.37	1.27	0.23	Evenness

**Table S4: Bray-Curtis Distance Matrix Analyzed by PERMANOVA for Stool Adenoma**

F statistic	R2	P-value	Study	Adenoma (n)	Control (n)
0.63	0.059	0.7562	Brim	6	6
1.85	0.021	0.0096	Zeller	37	50
1.04	0.003	0.3788	Baxter	198	172
1.01	0.001	0.3658	Hale	214	473

**Table S5: Bray-Curtis Distance Matrix Analyzed by PERMANOVA for Stool Carcinoma**

F statistic	R2	P-value	Study	Carcinoma (n)	Control (n)
3.47	0.034	0.0001	Wang	46	56
1.07	0.107	0.3431	Weir	7	4
2.18	0.010	0.0033	Ahn	62	148
2.54	0.028	0.0003	Zeller	41	50
2.05	0.007	0.0024	Baxter	120	172
0.97	0.002	0.7163	Hale	17	473
1.27	0.016	0.0460	Flemer	43	37

**Table S6: Bray-Curtis Distance Matrix Analyzed by PERMANOVA for Tissue Adenoma**

F statistic	R2	P-value	Study	Adenoma (n)	Control (n)
5.03	0.144	1e-04	Lu	17	15
2.51	0.018	1e-04	Flemer	37	103
5.27	0.569	1e-01	Lu (Matched)	3	3

**Table S7: Bray-Curtis Distance Matrix Analyzed by PERMANOVA for Tissue Carcinoma**

F statistic	R2	P-value	Study	Carcinoma (n)	Control (n)
1.75	0.025	0.0069	Sanapareddy	33	38
1.07	0.051	0.0995	Burns	10	12
6.93	0.029	0.0001	Flemer	94	140
1.10	0.064	0.2691	Chen	9	9
1.20	0.048	0.2515	Dejea (Matched)	13	13
0.43	0.030	0.9816	Geng (Matched)	8	8
0.81	0.168	1.0000	Burns (Matched)	3	3