

# Differences in the Stool Microbiome Before and After Colorectal Cancer Treatment

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Supplemental

**Table S1: P-values of Differences between Initial and Follow Up Samples for Richness, Shannon Diversity, and Evenness.**

Comparison	Alpha Metric	P-value	BH Adjusted P-value
all	sobs	0.2542809	0.3536011
all	shannon	0.3536011	0.3536011
all	evenness	0.3251909	0.3536011
adn	sobs	0.7195598	0.7195598
adn	shannon	0.6168494	0.7195598
adn	evenness	0.4485818	0.7195598
crc	sobs	0.1573652	0.1573652
crc	shannon	0.0407472	0.0611208
crc	evenness	0.0236109	0.0611208

**Table S2: Summary of Probability Assignment of Follow Up Individuals**

Initial Positive Probability	Follow Up Positive Probability	Disease Free on Follow Up	Initial Diagnosis
0.9835	0.9035	No	cancer
0.9435	0.4965	Yes	cancer
0.9255	0.4765	Unknown	cancer
0.9355	0.6975	Yes	cancer
0.9745	0.5360	Unknown	cancer
0.9535	0.3930	Unknown	cancer
0.9545	0.5450	Yes	cancer
0.9805	0.4445	Unknown	cancer
0.9710	0.5150	Yes	cancer
0.8420	0.6610	Yes	cancer
0.9530	0.9075	Yes	cancer
0.9260	0.7530	Yes	cancer
0.9915	0.5740	Yes	cancer
0.9675	0.4715	Yes	cancer
0.9910	0.3865	Yes	cancer
0.9270	0.9560	Yes	cancer
0.8845	0.4760	Yes	cancer
0.9740	0.9425	Yes	cancer
0.8560	0.4550	Yes	cancer
0.9050	0.6295	Yes	cancer
0.9125	0.7730	Yes	cancer
0.9430	0.4560	Unknown	cancer
0.9915	0.2865	Yes	cancer
0.9470	0.3925	Yes	cancer
0.9470	0.8625	Yes	cancer
0.9900	0.4010	Yes	cancer
0.9790	0.6320	Yes	adv_adenoma
0.8335	0.6120	Yes	adenoma
0.7700	0.5220	Yes	adenoma
0.8315	0.5465	Yes	adv_adenoma
0.8040	0.5080	Yes	adenoma
0.8550	0.6145	Yes	adenoma
0.8345	0.3910	Yes	adenoma
0.8590	0.4335	Yes	adenoma
0.8105	0.8595	Yes	adenoma
0.7840	0.6540	Yes	adenoma
0.7430	0.4025	Yes	adenoma
0.8375	0.5280	Yes	adenoma
0.8420	0.4490	Yes	adv_adenoma
0.8315	0.5525	Yes	adenoma

Initial Positive Probability	Follow Up Positive Probability	Disease Free on Follow Up	Initial Diagnosis
0.7500	0.6370	Yes	adv_adenoma
0.9550	0.8935	Yes	adv_adenoma
0.7895	0.5240	Yes	adenoma
0.8720	0.6335	Yes	adv_adenoma
0.8630	0.8175	Yes	adenoma
0.9740	0.5645	Yes	adv_adenoma
0.8650	0.3140	Yes	adenoma
0.8405	0.6160	Yes	adv_adenoma
0.8495	0.3395	Yes	adv_adenoma
0.9875	0.3015	Yes	adenoma
0.9630	0.9435	Yes	adv_adenoma
0.8345	0.4405	Yes	adv_adenoma
0.7905	0.7885	Yes	adv_adenoma
0.8495	0.8000	Yes	adv_adenoma
0.9370	0.4815	Yes	adenoma
0.8300	0.6570	Yes	adv_adenoma
0.7830	0.4920	Yes	adv_adenoma
0.8570	0.5925	Yes	adenoma
0.8245	0.6050	Yes	adenoma
0.7895	0.4915	Yes	adenoma
0.9590	0.4510	Yes	adv_adenoma
0.9640	0.5965	Yes	adenoma
0.8410	0.8100	Yes	adv_adenoma
0.9785	0.9175	Yes	adenoma
0.9740	0.7170	Yes	adenoma
0.7940	0.5495	Yes	adv_adenoma

**Table S3: Summary of OTUs in both Lesion and Initial/Follow Up Models**

OTU	Lowest Taxonomic ID	P-value	BH Corrected P-value
Otu000012	Blautia	0.0037523	0.0412754
Otu000005	Bacteroides	0.2330135	0.3232856
Otu000030	Streptococcus	0.0116258	0.0639416
Otu000004	Bacteroides	0.3694374	0.4063811
Otu000008	Faecalibacterium	0.1647056	0.3019602
Otu000018	Escherichia/Shigella	0.0431082	0.1580635
Otu000002	Anaerostipes	0.2694179	0.3292885
Otu000082	Streptococcus	0.2351168	0.3232856
Otu000027	Bacteroides	0.6971896	0.6971896
Otu000124	Clostridiales_unclassified	0.1006246	0.2767178
Otu000020	Ruminococcaceae	0.1390492	0.3019602

**Table S4: Summary of P-values for Specific CRC OTUs between Initial and Follow Ups**

Taxonomic ID	CRC P-value	CRC BH Corrected P-value	Adenoma P-value	Adenoma BH Corrected P-value
Fusobacterium Nucleatum	0.06848	0.2739	0.370	1.000
Parvimonas Micra	0.01385	0.0554	0.159	0.635
Peptostreptococcus Assacharolytica	0.00457	0.0183	1.000	1.000
Porphyromonas Stomatis	0.00384	0.0154	0.236	0.944