

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
lesion	sobs	0.4294106	0.6550031
lesion	shannon	0.5549842	0.6550031
lesion	evenness	0.1412681	0.4238043
adn	sobs	0.6909558	0.6909558
adn	shannon	0.4962226	0.6550031
adn	evenness	0.5378507	0.6550031
crc	sobs	0.5822250	0.6550031
crc	shannon	0.0890290	0.4006306
crc	evenness	0.0072909	0.0656181

Table S2: Summary of OTUs in both Lesion and Initial/Follow Up Models

OTU	Lowest Taxonomic ID	P-value	BH Corrected P-value
Otu000012	Ruminococcus	0.5909683	0.7643365
Otu000028	Bacteroides	0.0765009	0.1955023
Otu000015	Streptococcus	0.6318597	0.7648828
Otu000005	Ruminococcaceae	0.8405222	0.8787277
Otu000061	Anaerostipes	0.0489192	0.1607344
Otu000018	Clostridiales	0.0373948	0.1601804
Otu000037	Escherichia/Shigella	0.0409285	0.1601804
Otu000605	Streptococcus	0.0012869	0.0295994
Otu000009	Blautia	0.9490651	0.9490651
Otu000006	Bacteroides	0.0417862	0.1601804
Otu000041	Bacteroides	0.5981764	0.7643365
Otu000030	Anaerostipes	0.5726567	0.7643365
Otu000167	Blautia	0.0285031	0.1601804
Otu000004	Anaerostipes	0.2131629	0.4449982
Otu000014	Lachnospiraceae	0.7389196	0.8128479
Otu000002	Phascolarctobacterium	0.2708897	0.4450332
Otu000013	Clostridium_XI	0.7421655	0.8128479
Otu000075	Lachnospiraceae	0.5239097	0.7643365
Otu000008	Blautia	0.2359864	0.4449982
Otu000025	Ruminococcus	0.2438685	0.4449982
Otu000042	Bifidobacterium	0.0354915	0.1601804
Otu000001	Ruminococcaceae	0.2515207	0.4449982
Otu000177	Clostridiales	0.0750013	0.1955023

Table S3: Summary of Comparisons based on Chemotherapy or Radiation Received

Variable Tested	Treatment	P-value	BH Corrected P-value
Positive Probability	Chemotherapy	1.341e-01	0.364419
Positive Probability	Chemotherapy	1.383e-01	0.364419
Positive Probability	Chemotherapy	3.184e-04	0.002547
Positive Probability	Chemotherapy	7.722e-05	0.001236
Positive Probability	Radiation	9.420e-01	0.942046
Positive Probability	Radiation	7.344e-01	0.903895
Positive Probability	Radiation	9.514e-03	0.050740
Positive Probability	Radiation	2.829e-02	0.113177
Thetayc	Chemotherapy	9.188e-01	0.942046
Thetayc	Radiation	6.279e-01	0.837227
Sobs	Chemotherapy	5.947e-01	0.837227
Shannon	Chemotherapy	1.822e-01	0.364419
Evenness	Chemotherapy	1.628e-01	0.364419
Sobs	Radiation	9.334e-01	0.942046
Shannon	Radiation	3.838e-01	0.682366
Evenness	Radiation	4.965e-01	0.794421