

Supplementary Table 4: Wilcoxon test (genera) between CRC patients (tumor sample if available, otherwise noncancerous tissue) and controls

	padjust	mean CRC [%]	mean HC [%]	ratio
Acetanaerobacterium	0.024568617	0.179964604	0.141418515	1.272567483
Actinomyces	0.252291447	0.041096889	0.012919716	3.180943656
Akkermansia	0.125284184	2.571869842	2.024205263	1.270557828
Alistipes	0.149711837	1.345591696	1.23261076	1.091659865
Anaerorhabdus	0.006305443	0.005302824	0.025839432	0.205222171
Anaerostipes	1.71E-06	0.686715762	8.591262082	0.079931884
Anaerotruncus	0.519874034	0.062639613	0.039457512	1.587520624
Bacteroides	0.252291447	16.2551454	16.57459914	0.980726307
Barnesiella	0.222435546	0.613139073	0.917649031	0.668162939
Bifidobacterium	0.031534783	1.504676428	0.42076373	3.576060201
Bilophila	0.519874034	0.130582051	0.147005419	0.888280527
Blautia	8.08E-05	5.370766855	12.96720487	0.414180767
Butyricicoccus	0.02669232	0.111690739	0.195890832	0.570168283
Butyricimonas	0.252291447	0.108045047	0.066344489	1.628545941
Campylobacter	0.014306984	0.118982123	0.002095089	56.79096045
Catenibacterium	0.846305431	0.180958883	0.046790323	3.867442449
Clostridium_IV	0.017903482	0.810669283	0.226269624	3.582757899
Clostridium_sensu_stricto	0.067288192	1.106301744	0.713727024	1.550034827
Clostridium_XI	0.582965503	0.862040394	1.161726912	0.742033593
Clostridium_XIVa	0.000585905	1.931553794	3.395441086	0.568866826
Clostridium_XIVb	0.113352833	0.246581335	0.362799598	0.679662648
Clostridium_XVIII	0.018934691	0.180627457	0.329278172	0.548555817
Collinsella	0.492871067	0.144501965	0.126054528	1.146344899
Coprococcus	2.61E-05	1.568973174	4.319375384	0.363240755
Desulfovibrio	0.802935856	0.26712978	0.274456674	0.973304007
Dialister	0.364224708	0.461677151	0.241633611	1.910649554
Dorea	0.002028059	0.699641396	1.059416727	0.660402445
Eggerthella	0.802935856	0.015577047	0.008380356	1.858757062
Erysipelotrichaceae_incertae_sedis	0.252291447	0.163724704	0.434730991	0.376611531
Escherichia_Shigella	0.023680008	4.35991595	1.041259288	4.187156839
Eubacterium	0.00680344	0.123290668	0.019903347	6.194469224
Faecalibacterium	0.000990097	6.479720011	10.48312755	0.618109432
Flavonifractor	0.317588028	0.359597781	0.357561875	1.005693856
Fusobacterium	0.001720535	2.59970967	0.005936086	437.9501496
Gemella	0.228489634	0.238958525	0.008031175	29.75386883
Gemmiger	0.113352833	1.775120474	1.927481982	0.920953083
Granulicatella	0.046467783	0.495482656	0.005237723	94.59887006
Haemophilus	0.563243052	1.002565241	0.197636739	5.072767563
Halomonas	0.654096317	2.080032878	0.16795631	12.38436872
Holdemanina	0.091281406	0.028171255	0.021998436	1.280602637
Howardella	0.014306984	0.06197676	0.036314878	1.706649283
Klebsiella	0.036270934	0.480568463	0.690331862	0.696141217
Lachnospiracea_incertae_sedis	4.92E-06	5.623645294	11.94480139	0.470802746
Lactobacillus	0.073804206	0.173004647	0.047488687	3.643070788
Mogibacterium	0.010021641	0.027839828	0.006634449	4.196253345
Odoribacter	0.560381334	0.29099249	0.178082574	1.63403124

Oscillibacter	0.008009787	1.120553085	0.571959327	1.959148196
Parabacteroides	0.486481137	0.673127274	0.89669814	0.750673214
Paraprevotella	0.519874034	0.115999284	0.104754456	1.107344633
Parasutterella	0.843225751	0.295632461	0.20008101	1.477563818
Parvimonas	0.014306984	0.498465495	0.008380356	59.48022599
Peptococcus	0.519874034	0.036456918	0.025490251	1.430229858
Peptostreptococcus	0.001377127	0.478248477	0.004190178	114.1355932
Phascolarctobacterium	0.010021641	0.533596707	0.173194033	3.080918535
Porphyromonas	0.030570163	0.894188767	0.003142634	284.5348399
Prevotella	0.013704669	7.938328152	2.305645567	3.442995865
Pseudoflavonifractor	0.435744052	0.0324798	0.027236158	1.192524989
Roseburia	0.519874034	4.593571651	4.30226549	1.067709945
Ruminococcus	0.014306984	1.564001776	0.340801162	4.589191442
Shewanella	0.846305431	1.181866992	0.074026482	15.9654621
Slackia	0.822384708	0.006959957	0.015363987	0.453004622
Sporobacter	0.322912772	0.217747228	0.131641432	1.654093423
Streptococcus	2.61E-05	3.622823356	0.456380245	7.938168662
Sutterella	0.665583664	1.033387908	0.781468238	1.322367126
Turicibacter	0.889780778	0.073908115	0.086597017	0.853471843
unclassified.Bacteroidetes	0.046585853	0.135884876	0.053773954	2.526964561
unclassified.Clostridiales	0.000990097	1.419168385	0.352673334	4.024030878
unclassified.Coriobacteriaceae	0.519874034	0.044742581	0.039457512	1.133943303
unclassified.Firmicutes	0.758417708	0.175987485	0.189256383	0.929889299
unclassified.Lachnospiraceae	0.036270934	2.708086144	3.421978882	0.791380145
unclassified.Porphyromonadaceae	0.046467783	0.079542366	0.010475446	7.593220339
unclassified.Rhodospirillaceae	0.322912772	0.081530925	0.140720152	0.579383438
unclassified.Rhodospirillales	0.812410986	0.131907757	0.052726409	2.501739814
unclassified.Ruminococcaceae	0.017903482	1.841737205	1.027292027	1.792807844
Veillonella	0.846305431	0.074570968	0.038759149	1.923957856
Victivallis	0.014306984	0.019885592	0.004888541	4.06779661