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Supplementary Table 3: Wilcoxon test (OTUs) between individuals with CRC (tumor sample if available, otherwise noncancerous tissue) and controls

	padjust	Genus	mean CRC [%]	mean HC [%]	ratio
OTU_1	0.000507599	Blautia	2.46614478	8.136278563	0.303104762
OTU_10	0.02726218	Roseburia	4.157082916	1.447008213	2.872881356
OTU_100	0.047509788	Granulicatella	0.461677151	0.00453936	101.7053455
OTU_101	0.938043524	Parasutterella	0.277072576	0.197985921	1.399455953
OTU_1010	0.927833881	Bifidobacterium	0.07921094	0.087993743	0.900188324
OTU_1011	0.002552837	unclassified.Ruminococcaceae	0.123953521	0.018157439	6.826597132
OTU_1016	0.668165901	Barnesiella	0.013257061	0.015014805	0.882932598
OTU_103	0.547151909	unclassified.Firmicutes	0.148479084	0.186812112	0.794804372
OTU_1039	0.007157286	Blautia	0.033805506	0.078565842	0.430282486
OTU_104	0.547151909	unclassified.Clostridiales	0.190238826	0.013268898	14.33719893
OTU_1040	0.896228729	Lachnospiracea_incertae_sedis	0.006628531	0.00453936	1.460234681
OTU_105	0.002118349	Peptostreptococcus	0.478248477	0.004190178	114.1355932
OTU_106	0.052144987	Butyricicoccus	0.091142295	0.17703503	0.51482633
OTU_1063	0.297539791	unclassified.Ruminococcaceae	0.026845549	0.01606235	1.671333825
OTU_1068	0.562114035	Flavonifractor	0.020217018	0.020252528	0.998246639
OTU_107	0.19319445	Oscillibacter	0.064959599	0.058313314	1.113975439
OTU_1078	0.367290731	Clostridium_sensu_stricto	0.083188058	0.012221353	6.806779661
OTU_108	0.555843821	Bifidobacterium	0.098102252	0.083454383	1.175519467
OTU_1080	0.981797202	Faecalibacterium	0.003977118	0.003491815	1.138983051
OTU_1083	0.36195865	Cellulosilyticum	0.179301751	0.013618079	13.16644937
OTU_109	0.185874478	Blautia	0.802715046	0.901586681	0.890335963
OTU_1090	0.951367616	Coprococcus	0.037451197	0.0321247	1.165806927
OTU_11	0.069568678	Lachnospiracea_incertae_sedis	0.747698243	2.644002458	0.282790298
OTU_110	0.00021391	Clostridium_IV	0.0162399	0.072280574	0.224678621
OTU_1111	0.547151909	unclassified.Lachnospiraceae	0.06297104	0.030029611	2.096964919
OTU_1117	0.853127971	Asaccharobacter	0.004639971	0.00453936	1.022164276
OTU_112	0.966426158	unclassified.Ruminococcaceae	0.07059385	0.101961003	0.692361272
OTU_1129	0.978949846	Lachnospiracea_incertae_sedis	0.004971398	0.004190178	1.186440678
OTU_113	0.002767097	Lachnospiracea_incertae_sedis	0.351974971	0.896348958	0.392676276
OTU_114	0.927833881	Flavonifractor	0.05435395	0.045742779	1.188252038
OTU_115	0.177661508	Clostridium_IV	0.192227385	0.016760713	11.46892655
OTU_1157	0.918421127	Dorea	0.00861709	0.006634449	1.298840321
OTU_1159	0.927833881	Lachnospiracea_incertae_sedis	0.009942796	0.012221353	0.813559322
OTU_116	0.959978504	Parabacteroides	0.024525563	0.093580647	0.262079433
OTU_1167	0.011354549	Lachnospiracea_incertae_sedis	0.005302824	0.038409967	0.138058552
OTU_1172	0.943454772	Butyricimonas	0.00762281	0.008729538	0.873220339
OTU_1174	0.002118349	Blautia	0.749686802	1.852407956	0.40470934
OTU_118	0.722259554	Clostridium_XlVa	0.007291384	0.008729538	0.835254237
OTU_12	8.81E-08	Coprococcus	0.035131212	2.257458517	0.015562285
OTU_120	0.074750396	Anaerococcus	0.253209866	0.001047545	241.7175141
OTU_1200	0.927833881	Prevotella	0.014251341	0.008031175	1.774502579
OTU_1204	0.996686159	Flavonifractor	0.016902753	0.016760713	1.008474576
OTU_121	0.943225998	unclassified.Rhodospirillales	0.127599213	0.026537795	4.808206958
OTU_122	0.951367616	Bacteroides	0.094787986	0.083105201	1.140578265
OTU_1228	0.869026557	unclassified.Lachnospiraceae	0.108045047	0.091136376	1.185531528
OTU_1229	0.383463827	Lachnospiracea_incertae_sedis	0.027839828	0.01850662	1.504317237
OTU_123	0.927833881	Catenibacterium	0.180627457	0.046790323	3.860359221
OTU_1230	0.760229166	Lachnospiracea_incertae_sedis	0.006628531	0.008031175	0.825350037
OTU_1232	0.059373384	Lachnospiracea_incertae_sedis	0.040434036	0.011173809	3.618644068
OTU_125	0.607496467	unclassified.Clostridiales	0.031816947	0.010824627	2.939311099
OTU_1250	0.077961722	Faecalibacterium	0.839171964	1.121920219	0.747978287
OTU_1256	0.759229927	Lachnospiracea_incertae_sedis	0.031154093	0.003142634	9.913370998
OTU_126	0.381984253	unclassified.Deltaproteobacteria	0.017565606	0.091485558	0.19200414
OTU_1262	0.015965768	Lachnospiracea_incertae_sedis	0.028171255	0.052726409	0.534291166
OTU_1266	0.927933035	unclassified.Lachnospiraceae	0.69069288	0.557642885	1.238593549
OTU_1267	0.002518263	unclassified.Lachnospiraceae	0.051702538	0.164464495	0.314368995

OTU_1277	0.574278814	unclassified.Lachnospiraceae	0.109039327	0.009427901	11.5655995
OTU_1279	0.113851688	Lachnospiracea_incertae_sedis	0.0324798	0.062852673	0.516760829
OTU_128	0.154895808	Blautia	0.151461922	0.163766132	0.924867189
OTU_1283	0.00021391	Anaerostipes	0.043085448	0.986088608	0.043693283
OTU_129	0.545147231	Lachnospiracea_incertae_sedis	0.049713979	0.024093525	2.063375092
OTU_1295	0.459749128	Lachnospiracea_incertae_sedis	0.006959957	0.002444271	2.847457627
OTU_1296	0.436504592	Faecalibacterium	0.491836965	0.441016258	1.11523545
OTU_13	0.010479591	Gemmiger	0.582979259	1.324096318	0.440284631
OTU_1303	7.84E-05	Coprococcus	0.022205577	0.084851109	0.261700495
OTU_1306	0.476448025	unclassified.Lachnospiraceae	0.011931355	0.011872172	1.004985045
OTU_1309	0.161932083	Lachnospiracea_incertae_sedis	0.00762281	0.012221353	0.623728814
OTU_131	0.0374029	Erysipelotrichaceae_incertae_sedis	0.02386271	0.109642997	0.217640073
OTU_1312	0.927833881	Lachnospiracea_incertae_sedis	0.004971398	0.003840997	1.294298921
OTU_1317	0.297539791	Clostridium_XlVa	0.126273506	0.015363987	8.218798151
OTU_132	0.019421857	Pseudomonas	0.592922055	0.004888541	121.2881356
OTU_1320	0.012011198	Clostridium_XlVa	0.145827671	0.257346779	0.566658234
OTU_1322	0.028155674	Clostridium_XlVa	0.000662853	0.005586904	0.118644068
OTU_1324	1.02E-05	unclassified.Lachnospiraceae	0.003314265	0.03456897	0.095873994
OTU_1326	0.160906853	unclassified.Lachnospiraceae	0.001988559	0.005586904	0.355932203
OTU_133	0.328484941	unclassified.Clostridiales	0.025851269	0.01152299	2.243451464
OTU_1331	0.014467411	Blautia	0.03910833	0.062852673	0.622222222
OTU_1337	0.110726956	unclassified.Lachnospiraceae	0.006297104	0.011173809	0.563559322
OTU_134	0.515478979	unclassified.Ruminococcaceae	0.055016803	0.045742779	1.202742916
OTU_1349	0.038825727	Lachnospiracea_incertae_sedis	0.003314265	0.01152299	0.287621983
OTU_135	0.95309488	Ruminococcus	0.115336431	0.052726409	2.187450892
OTU_1357	8.81E-08	unclassified.Lachnospiraceae	0.001325706	0.102310185	0.012957714
OTU_1358	0.556462562	Clostridium_sensu_stricto	0.304912404	0.24826806	1.228158001
OTU_136	0.954227606	Turicibacter	0.072913836	0.086597017	0.841990159
OTU_1366	0.079986924	Coprococcus	0.029165534	0.003491815	8.352542373
OTU_1370	0.695055522	Blautia	0.019222739	0.007332812	2.621468927
OTU_1380	0.745547732	unclassified.Lachnospiraceae	0.009279943	0.008031175	1.155490052
OTU_1388	0.005421359	Anaerostipes	0.00099428	0.008729538	0.113898305
OTU_139	0.015104323	unclassified.Bacteroidetes	0.087828029	0.008729538	10.06101695
OTU_1395	2.08E-06	unclassified.Lachnospiraceae	0.042754022	0.298550198	0.143205471
OTU_1396	0.065081894	Blautia	0.05534823	0.106849545	0.518001551
OTU_14	0.294047262	Bacteroides	3.316585246	1.067098721	3.108039755
OTU_140	0.14198875	Howardella	0.051039685	0.036314878	1.40547588
OTU_141	0.294047262	Gemella	0.238958525	0.008031175	29.75386883
OTU_1415	0.150479457	Clostridium_XlVa	0.367883444	0.421462093	0.872874335
OTU_142	0.925661912	Gemmiger	1.17059849	0.588370859	1.98955892
OTU_1421	0.010107096	Gemmiger	0.002982839	0.01152299	0.258859784
OTU_143	0.00393219	Alistipes	0.05534823	0.007332812	7.548022599
OTU_1439	0.832665623	Clostridium_XI	0.004308545	0.037362422	0.115317599
OTU_144	0.011168065	Dialister	0.232329995	0.001047545	221.7853107
OTU_1446	0.065081894	Lachnospiracea_incertae_sedis	0.005302824	0.000698363	7.593220339
OTU_145	0.038428828	Lachnospiracea_incertae_sedis	0.091142295	0.025490251	3.575574646
OTU_1451	0.013127854	Lachnospiracea_incertae_sedis	0.00099428	0.007332812	0.13559322
OTU_1454	0.748248316	Lachnospiracea_incertae_sedis	0.006628531	0.005586904	1.186440678
OTU_1459	0.953203085	Clostridium_XlVa	0.005634251	0.006285267	0.896421846
OTU_1461	0.002518263	Roseburia	0.000331427	0.006285267	0.052730697
OTU_1465	0.636840189	Coprococcus	0.001657133	0.003491815	0.474576271
OTU_147	0.777906425	unclassified.Lachnospiraceae	0.029828387	0.04609196	0.647149461
OTU_1475	0.005421359	Blautia	0.152456202	0.176336667	0.864574593
OTU_1476	0.323820647	Lachnospiracea_incertae_sedis	0.065622452	0.065646125	0.99963938
OTU_148	0.194969323	Porphyromonas	0.571047904	0.002095089	272.5649718
OTU_149	0.341398084	Lachnospiracea_incertae_sedis	0.081530925	0.05971004	1.365447517
OTU_15	0.051933057	Coprococcus	0.725161239	1.1128415	0.651630299
OTU_152	0.13703951	Alistipes	0.267461207	0.154687413	1.729043119
OTU_1523	0.562114035	Bacteroides	0.034468359	0.018157439	1.898305085

OTU_1524	0.161932083	Bacteroides	0.025519843	0.00453936	5.62190352
OTU_154	0.529924142	Clostridium_IV	0.036788344	0.01606235	2.290346352
OTU_1548	0.56590834	unclassified.Ruminococcaceae	0.021542724	0.019903347	1.082366934
OTU_158	0.079673266	Solobacterium	0.242604217	0.002095089	115.7966102
OTU_16	0.978949846	Alistipes	0.512385409	0.599893849	0.854126793
OTU_161	0.023773336	unclassified.Ruminococcaceae	0.055016803	0.016760713	3.282485876
OTU_162	0.89315126	unclassified.Sutterellaceae	0.042754022	0.010126264	4.222092344
OTU_163	0.065081894	unclassified.Clostridiales	0.061313907	0.025141069	2.438794727
OTU_165	0.919473453	unclassified.Alphaproteobacteria	0.040434036	0.023744343	1.702891326
OTU_166	0.70625834	unclassified.Clostridiales	0.038776904	0.007681993	5.047765794
OTU_1663	0.959978504	Barnesiella	0.004971398	0.003840997	1.294298921
OTU_167	0.966426158	Flavonifractor	0.037451197	0.118372535	0.316384181
OTU_17	0.959978504	Bacteroides	1.321066133	0.901935862	1.464700749
OTU_1705	0.005421359	Coprococcus	0.004308545	0.024442706	0.176271186
OTU_1707	0.002118349	Blautia	0.213438683	0.447301525	0.477169584
OTU_171	0.019398065	Phascolarctobacterium	0.25851269	0.06669367	3.87612033
OTU_1712	0.435187741	Lachnospiracea_incertae_sedis	0.017565606	0.025839432	0.679798443
OTU_1718	4.83E-07	Dorea	0.100753664	0.318453545	0.316384181
OTU_1719	4.83E-07	unclassified.Lachnospiraceae	0.004971398	0.239887703	0.020723855
OTU_1725	0.787588656	Clostridium_XlVa	0.124284947	0.074375663	1.671043208
OTU_1726	0.073331236	Lachnospiracea_incertae_sedis	0.005302824	0.001047545	5.062146893
OTU_173	0.661368107	unclassified.Clostridiales	0.019885592	0.032823063	0.605842048
OTU_1732	0.039014721	Lachnospiracea_incertae_sedis	0.007291384	0.015363987	0.474576271
OTU_1738	0.962374853	Lachnospiracea_incertae_sedis	0.002651412	0.002444271	1.084745763
OTU_1749	0.992113276	Clostridium_XlVa	0.03910833	0.034219789	1.142857143
OTU_1756	0.547151909	Blautia	0.030822667	0.0321247	0.959469418
OTU_1759	0.538992457	unclassified.Lachnospiraceae	0.007291384	0.012919716	0.564360971
OTU_1760	0.495313887	Lachnospiracea_incertae_sedis	0.006297104	0.009427901	0.667922159
OTU_1762	3.57E-05	Lachnospiracea_incertae_sedis	0.011931355	0.04609196	0.258859784
OTU_177	0.017108822	Clostridium_XlVb	0.014582767	0.035616515	0.409438352
OTU_1772	0.927833881	unclassified.Lachnospiraceae	0.060319628	0.046790323	1.289147483
OTU_1774	0.155679266	unclassified.Lachnospiraceae	0.013257061	0.002793452	4.745762712
OTU_1776	0.485091316	unclassified.Lachnospiraceae	0.169027528	0.165162858	1.023399147
OTU_178	0.360588226	Paraprevotella	0.048056846	0.042250964	1.137414204
OTU_1781	0.294047262	Clostridium_XlVa	0.026514122	0.106849545	0.248144456
OTU_179	0.019508503	unclassified.Ruminococcaceae	0.047062567	0.013967261	3.369491525
OTU_18	0.548225618	Parabacteroides	0.647607432	0.801720767	0.807771807
OTU_181	0.547151909	unclassified.Lachnospiraceae	0.020879871	0.010126264	2.061952075
OTU_182	0.565577418	unclassified.Ruminococcaceae	0.016571326	0.100564277	0.164783427
OTU_183	0.152876312	Eubacterium	0.037782624	0.014316442	2.639107069
OTU_186	0.556462562	unclassified.Ruminococcaceae	0.02286843	0.008380356	2.728813559
OTU_187	0.14198875	unclassified.Ruminococcaceae	0.028502681	0.00453936	6.279009126
OTU_1877	0.538992457	Blautia	0.06297104	0.058313314	1.07987415
OTU_189	0.922394179	Clostridium_XlVb	0.013919914	0.010824627	1.285948606
OTU_19	0.000183075	Coprococcus	0.262489809	0.6669367	0.393575295
OTU_1925	0.927833881	Clostridium_XlVb	0.019554165	0.010475446	1.866666667
OTU_1936	0.46476316	unclassified.Ruminococcaceae	0.009611369	0.003491815	2.752542373
OTU_196	0.04603444	Alistipes	0.031154093	0.010824627	2.878075451
OTU_197	0.01136457	Bacteroides	0.05534823	0.000349182	158.5084746
OTU_1977	0.475401734	Ruminococcus	0.084182338	0.029680429	2.836291127
OTU_199	0.904651614	unclassified.Clostridiales	0.027839828	0.005586904	4.983050847
OTU_2	0.000410803	Faecalibacterium	3.505829793	6.31215431	0.555409393
OTU_20	0.46476316	Clostridium_XI	0.393734713	0.566721605	0.694758608
OTU_200	0.000353459	unclassified.Lachnospiraceae	0.013257061	0.049234594	0.269263133
OTU_201	0.508242748	Bacteroides	0.019222739	0.012570535	1.529190207
OTU_2018	0.294047262	unclassified.Clostridiales	0.011599928	0.005237723	2.214689266
OTU_203	0.422208912	Clostridium_IV	0.035131212	0.002444271	14.37288136
OTU_205	0.041807028	Mogibacterium	0.019222739	0.005237723	3.670056497
OTU_206	0.297539791	unclassified.Ruminococcaceae	0.065622452	0.002095089	31.3220339

OTU_2064	0.695055522	Coprococcus	0.003645692	0.004888541	0.745762712
OTU_207	0.514574132	Flavonifractor	0.010937075	0.01606235	0.68091378
OTU_208	0.177661508	unclassified.Clostridiales	0.021542724	0.009078719	2.372881356
OTU_21	4.50E-07	Clostridium_XlVa	0.216090095	1.016118219	0.212662357
OTU_212	0.649276719	Butyricimonas	0.028834108	0.025141069	1.146892655
OTU_213	0.994744106	Veillonella	0.06297104	0.023395162	2.691626613
OTU_214	0.690690748	Lachnospiracea_incertae_sedis	0.015908473	0.024791888	0.641680592
OTU_216	0.128440456	unclassified.Clostridiales	0.023531283	0.001745908	13.4779661
OTU_217	0.345729249	unclassified.Clostridiales	0.025188416	0.002793452	9.016949153
OTU_218	0.194725803	Alistipes	0.021211298	0.008729538	2.429830508
OTU_22	0.069568678	Dorea	0.549173754	0.685792502	0.800787048
OTU_222	0.383167839	Peptococcus	0.007291384	0.013268898	0.549509367
OTU_223	0.003787254	Anaerorhabdus	0.004308545	0.024442706	0.176271186
OTU_226	0.037902419	Clostridium_IV	0.016571326	0.003840997	4.314329738
OTU_228	0.182427766	Faecalibacterium	0.033805506	0.022347617	1.512711864
OTU_229	0.722977154	unclassified.Clostridiales	0.036456918	0.009078719	4.015645372
OTU_23	0.205568427	unclassified.Ruminococcaceae	0.582647833	0.307978099	1.891848265
OTU_230	0.211753521	unclassified.Ruminococcaceae	0.049713979	0.016411531	3.029210242
OTU_231	0.383167839	unclassified.Lachnospiraceae	0.011599928	0.031426337	0.369114878
OTU_234	0.019421857	Bacteroides	0.376169107	0.364894687	1.030897737
OTU_235	0.556462562	Barnesiella	0.006959957	0.026188614	0.265762712
OTU_237	0.725833259	Clostridium_XlVb	0.023531283	0.013268898	1.773416592
OTU_239	0.000794525	Streptococcus	0.616121912	0.212651545	2.897330996
OTU_24	0.077961722	Lachnospiracea_incertae_sedis	0.66782445	0.8691128	0.7683979
OTU_240	0.919473453	unclassified.Coriobacteriaceae	0.019554165	0.024791888	0.788732394
OTU_241	0.71286991	Clostridium_XlVa	0.009279943	0.019554165	0.474576271
OTU_242	0.904651614	Lachnospiracea_incertae_sedis	0.067942438	0.043298508	1.569163477
OTU_246	0.297539791	Pseudoflavonifractor	0.02386271	0.01850662	1.289414775
OTU_247	0.341398084	Alistipes	0.0162399	0.003840997	4.228043143
OTU_249	0.7194228	Peptoniphilus	0.024194136	0.002095089	11.5480226
OTU_25	0.011354549	Bifidobacterium	1.064542002	0.161321862	6.598870056
OTU_251	0.927833881	Bacteroides	0.91109152	0.629923459	1.446352738
OTU_259	0.090601344	Clostridium_IV	0.018228459	0.003491815	5.220338983
OTU_26	0.767137005	Prevotella	3.459430079	1.138680932	3.038103109
OTU_261	0.297539791	unclassified.Clostridiales	0.005302824	0.005936086	0.89332004
OTU_262	0.935373635	Eggerthella	0.01524562	0.008380356	1.81920904
OTU_263	0.340518332	unclassified.Ruminococcaceae	0.00762281	0.00453936	1.679269883
OTU_269	0.422208912	unclassified.Clostridiales	0.018891312	0.002095089	9.016949153
OTU_27	0.436798389	Clostridium_sensu_stricto	0.354626383	0.265377954	1.336306869
OTU_274	0.514574132	Butyricicoccus	0.015577047	0.014316442	1.088052914
OTU_275	0.63723983	Methanobrevibacter	0.008948516	0.003491815	2.562711864
OTU_277	0.426186695	Gemmiger	0.015577047	0.002793452	5.576271186
OTU_278	0.95309488	Coprococcus	0.010937075	0.010824627	1.01038819
OTU_279	0.381103779	unclassified.Ruminococcaceae	0.014582767	0.003840997	3.796610169
OTU_28	0.705185622	Haemophilus	0.997593843	0.18401866	5.421155887
OTU_283	0.014339044	Holdemania	0.005302824	0.02060171	0.2573973
OTU_288	0.418782178	Clostridium_XlVa	0.023531283	0.024791888	0.949152542
OTU_29	0.160906853	Bacteroides	0.217747228	1.48087882	0.147039194
OTU_290	0.944721266	Paraprevotella	0.023199857	0.055519861	0.417865899
OTU_291	0.890936508	Oscillibacter	0.009942796	0.00698363	1.423728814
OTU_293	0.565577418	unclassified.Ruminococcaceae	0.009611369	0.002444271	3.93220339
OTU_297	0.360588226	unclassified.Coriobacteriaceae	0.014582767	0.003142634	4.640301318
OTU_3	0.00249251	Bacteroides	4.700290992	7.930610649	0.592677059
OTU_30	0.002523096	Oscillibacter	0.84149195	0.348483155	2.414727761
OTU_300	0.131986409	Sporobacter	0.015908473	0.008031175	1.980840088
OTU_305	0.182427766	unclassified.Ruminococcaceae	0.011599928	0.004190178	2.768361582
OTU_306	0.19319445	Clostridium_IV	0.024194136	0.004190178	5.774011299
OTU_31	0.904651614	Bacteroides	0.51039685	0.701505671	0.727573377
OTU_314	0.033762753	unclassified.Clostridiales	0.017565606	0.003491815	5.030508475

OTU_32	0.548225618	Bacteroides	0.493162671	0.219984357	2.24180791
OTU_321	0.002523096	Lachnospiracea_incertae_sedis	0.033474079	0.091485558	0.365894682
OTU_322	0.041807028	Staphylococcus	0.034468359	0.003840997	8.973805855
OTU_324	0.962740958	Anaerotruncus	0.015577047	0.023395162	0.665823425
OTU_325	0.426186695	Clostridium_XlVa	0.008948516	0.003840997	2.329738059
OTU_327	0.547151909	Slackia	0.003977118	0.008380356	0.474576271
OTU_33	0.613375389	Sutterella	0.799400781	0.496186938	1.611087919
OTU_330	0.865062012	unclassified.Clostridiales	0.002982839	0.003142634	0.949152542
OTU_331	0.565577418	unclassified.Clostridiales	0.026182696	0.016411531	1.595384061
OTU_34	0.722977154	Halomonas	2.080032878	0.16795631	12.38436872
OTU_342	0.297539791	unclassified.Clostridiales	0.010937075	0.005936086	1.842472582
OTU_347	0.035057962	Victivallis	0.009942796	0.001396726	7.118644068
OTU_35	0.723998384	Bacteroides	0.629378973	0.077518297	8.119102153
OTU_351	0.001552279	unclassified.Clostridiales	0.028834108	0.002095089	13.76271186
OTU_354	0.312820235	Lachnospiracea_incertae_sedis	0.002982839	0.012221353	0.244067797
OTU_355	0.418782178	unclassified.Coriobacteriaceae	0.009611369	0.007681993	1.251155624
OTU_357	0.46476316	Lachnospiracea_incertae_sedis	0.017234179	0.008031175	2.145910096
OTU_36	0.014483359	Streptococcus	0.591264922	0.029331248	20.15819209
OTU_360	0.547151909	Lachnospiracea_incertae_sedis	0.004308545	0.008031175	0.536477524
OTU_361	0.238711852	unclassified.Ruminococcaceae	0.006959957	0.003491815	1.993220339
OTU_366	0.693056851	unclassified.Ruminococcaceae	0.003645692	0.005936086	0.614157527
OTU_368	0.150479457	Anaerotruncus	0.011931355	0.004190178	2.847457627
OTU_37	0.001506745	Lachnospiracea_incertae_sedis	0.126936359	0.459522878	0.276235124
OTU_370	0.104954818	Alistipes	0.012262781	0.001745908	7.023728814
OTU_371	0.297539791	unclassified.Desulfovibrionaceae	0.006297104	0.001396726	4.508474576
OTU_373	0.329777332	Clostridium_IV	0.005302824	0.001396726	3.796610169
OTU_375	0.241844331	unclassified.Porphyromonadaceae	0.06959957	0.009427901	7.382297552
OTU_378	0.760229166	Oscillibacter	0.007954237	0.010126264	0.785505552
OTU_38	0.389887042	Alistipes	0.237964246	0.368386502	0.645963531
OTU_380	0.556462562	Clostridium_IV	0.003314265	0.003840997	0.862865948
OTU_382	0.011907591	unclassified.Ruminococcaceae	0.000331427	0.005586904	0.059322034
OTU_385	0.563586446	Rothia	0.010937075	0.001745908	6.26440678
OTU_387	0.513889206	unclassified.Clostridiales	0.005965677	0.002444271	2.440677966
OTU_39	0.418782178	Lachnospiracea_incertae_sedis	0.313198067	0.37257668	0.840627135
OTU_397	0.282648511	Butyricimonas	0.030159814	0.006634449	4.545941124
OTU_4	4.83E-07	Anaerostipes	0.632030385	7.594698028	0.083219949
OTU_40	0.360588226	Clostridium_XlVa	0.198524489	0.596402034	0.332870242
OTU_41	0.192912064	Clostridium_sensu_stricto	0.228684303	0.053773954	4.252696456
OTU_412	0.150479457	Butyricimonas	0.036788344	0.018157439	2.026075619
OTU_415	0.221477398	Prevotella	0.562430815	0.327881446	1.715348098
OTU_42	0.953203085	Clostridium_XI	0.46366571	0.557293704	0.831995242
OTU_43	0.927833881	Shewanella	1.181866992	0.074026482	15.9654621
OTU_430	0.160455593	Acetanaerobacterium	0.064296746	0.082406838	0.780235564
OTU_436	0.011700792	Actinomyces	0.015908473	0.000349182	45.55932203
OTU_438	0.96882041	Enterorhabdus	0.003314265	0.003142634	1.054613936
OTU_44	0.995835855	Lachnospiracea_incertae_sedis	0.293975329	0.245823789	1.195878274
OTU_444	0.686650982	Pseudoflavonifractor	0.004308545	0.005936086	0.725822532
OTU_45	0.069568678	unclassified.Lachnospiraceae	0.462340004	0.78635678	0.587951952
OTU_456	0.044918474	Allisonella	0.024194136	0.002444271	9.898305085
OTU_457	0.919473453	Lachnospiracea_incertae_sedis	0.096445119	0.065995307	1.461393597
OTU_458	0.258288526	unclassified.Clostridiales	0.004971398	0.001745908	2.847457627
OTU_46	0.059407972	Klebsiella	0.480568463	0.690331862	0.696141217
OTU_468	0.155679266	unclassified.Ruminococcaceae	0.004639971	0.001745908	2.657627119
OTU_47	0.012306178	Clostridium_XVIII	0.142844833	0.308676462	0.46276555
OTU_470	0.007541917	unclassified.Oxalobacteraceae	0.010274222	0.001396726	7.355932203
OTU_48	0.14198875	Clostridium_XlVb	0.173998926	0.291217386	0.597488111
OTU_49	0.01136457	Fusobacterium	1.382048614	0.002444271	565.4237288
OTU_5	8.81E-08	Lachnospiracea_incertae_sedis	1.255443681	4.310296665	0.291266188
OTU_502	0.495313887	unclassified.Clostridiales	0.005634251	0.002444271	2.305084746

OTU_507	0.748372876	Bacteroides	0.053691097	0.053075591	1.011596789
OTU_51	0.570237581	Sporobacter	0.19554165	0.122213531	1.6
OTU_52	0.556462562	Fusobacterium	1.024107966	0.003142634	325.8757062
OTU_53	0.767137005	Phascolarctobacterium	0.256524131	0.098469188	2.605120808
OTU_534	0.914207535	Desulfovibrio	0.012925635	0.002793452	4.627118644
OTU_535	0.14198875	Clostridium_XlVa	0.009942796	0.021998436	0.451977401
OTU_536	0.748372876	Bacteroides	0.092799427	0.119070898	0.779362791
OTU_54	0.065231393	Clostridium_XlVa	0.050045405	0.099516733	0.502884329
OTU_545	0.436504592	Erysipelotrichaceae_incertae_sedis	0.005965677	0.001745908	3.416949153
OTU_55	0.086384702	Bifidobacterium	0.256524131	0.076121571	3.369926916
OTU_555	0.565577418	Alistipes	0.029828387	0.009777083	3.050847458
OTU_56	0.418782178	Sutterella	0.220730066	0.272710766	0.809392565
OTU_57	0.705185622	unclassified.Clostridiales	0.364569179	0.093580647	3.89577536
OTU_58	0.896228729	Desulfovibrio	0.239621378	0.270964858	0.884326402
OTU_580	0.960629947	Oscillibacter	0.002651412	0.002793452	0.949152542
OTU_586	0.054480201	Clostridium_XlVa	0.039439757	0.00453936	8.688396349
OTU_59	0.011354549	Ruminococcus	0.829229168	0.146656238	5.654237288
OTU_593	0.308880027	Clostridium_XVIII	0.03148552	0.015713168	2.003766478
OTU_6	0.038430616	Escherichia_Shigella	4.35991595	1.041259288	4.187156839
OTU_60	0.896228729	Oscillibacter	0.140193421	0.113833175	1.231569096
OTU_603	0.103517994	Lachnospiracea_incertae_sedis	0.082525205	0.025490251	3.237520316
OTU_61	0.041807028	Streptococcus	0.81663496	0.115579083	7.065594757
OTU_62	0.547151909	Bacteroides	0.553813725	0.061805129	8.960643493
OTU_627	0.953203085	unclassified.Bacteroidetes	0.025519843	0.039457512	0.646767662
OTU_63	0.001024345	Lachnospiracea_incertae_sedis	0.072250983	0.203572825	0.354914673
OTU_639	0.012011198	Clostridium_XlVa	0.076228101	0.00453936	16.79269883
OTU_64	0.048557952	Ruminococcus	0.319163745	0.019554165	16.3220339
OTU_65	0.959978504	Flavonifractor	0.099427958	0.075074026	1.324398896
OTU_66	0.478243142	Coprococcus	0.420248835	0.092533102	4.541605373
OTU_673	0.047509788	Lachnospiracea_incertae_sedis	0.050708258	0.160274317	0.316384181
OTU_678	0.060806133	Clostridium_XlVa	0.005302824	0.010475446	0.506214689
OTU_68	0.038825727	Dialister	0.146159098	0.16795631	0.870220938
OTU_681	0.954227606	Veillonella	0.011599928	0.015363987	0.755007704
OTU_689	0.150479457	Clostridium_sensu_stricto	0.06297104	0.130593888	0.482189794
OTU_69	0.169743041	unclassified.Ruminococcaceae	0.19554165	0.053773954	3.636363636
OTU_7	0.177661508	Akkermansia	2.567892724	2.016523269	1.273425783
OTU_70	0.013382933	Clostridium_IV	0.25950697	0.034219789	7.583535109
OTU_702	0.827789517	Clostridium_XlVa	0.155439041	0.132688977	1.171454059
OTU_71	0.297539791	Bacteroides	0.265472647	0.222777809	1.191647628
OTU_72	0.649276719	Odoribacter	0.288341078	0.175289122	1.644945641
OTU_721	0.910905799	Clostridium_XlVa	0.011931355	0.004190178	2.847457627
OTU_727	3.40E-05	unclassified.Lachnospiraceae	0.001325706	0.092882284	0.014272971
OTU_731	0.001636757	Blautia	0.53425956	0.932314654	0.573046404
OTU_738	0.028602208	Lachnospiracea_incertae_sedis	0.057668216	0.099167551	0.581523037
OTU_74	0.019421857	Parvimonas	0.498465495	0.008380356	59.48022599
OTU_745	0.978949846	Erysipelotrichaceae_incertae_sedis	0.11831927	0.30343874	0.389928029
OTU_75	0.556462562	Barnesiella	0.522991058	0.707441757	0.739270835
OTU_751	0.12705133	Lachnospiracea_incertae_sedis	0.0162399	0.028283703	0.574178698
OTU_755	0.311413316	Lachnospiracea_incertae_sedis	0.021874151	0.041901782	0.522033898
OTU_76	0.047509788	Clostridium_IV	0.155439041	0.020252528	7.675043834
OTU_761	0.748372876	Lachnospiracea_incertae_sedis	0.036456918	0.080311749	0.45394252
OTU_77	0.607496467	Bilophila	0.12594208	0.144561149	0.871202817
OTU_78	0.011456598	Enterococcus	0.19653593	0.001047545	187.6158192
OTU_782	0.958093686	Alistipes	0.01524562	0.015014805	1.015372487
OTU_784	0.110969965	unclassified.Clostridiales	0.011931355	0.002793452	4.271186441
OTU_788	0.150479457	Lachnospiracea_incertae_sedis	0.241941364	0.311120733	0.777644619
OTU_79	6.77E-07	Clostridium_XlVa	0.145496245	0.385496396	0.377425694
OTU_790	0.954227606	Akkermansia	0.003977118	0.007681993	0.517719569
OTU_8	8.81E-08	Roseburia	0.429860204	2.846178557	0.151030652

OTU_802	0.043894263	Faecalibacterium	1.590515899	2.579753059	0.616538042
OTU_809	0.5870286	Lachnospiracea_incertae_sedis	0.013257061	0.015014805	0.882932598
OTU_81	0.208330798	unclassified.Ruminococcaceae	0.094125133	0.070883848	1.327878434
OTU_82	0.283007085	Prevotella	0.438477294	0.131292251	3.339704291
OTU_822	0.182427766	Flavonifractor	0.003314265	0.008729538	0.379661017
OTU_83	0.152876312	Lachnospiracea_incertae_sedis	0.325129422	0.240586066	1.351405869
OTU_830	0.150479457	Lachnospiracea_incertae_sedis	0.009279943	0.018855802	0.49215317
OTU_837	0.459749128	unclassified.Lachnospiraceae	0.057668216	0.029331248	1.966101695
OTU_84	0.896228729	unclassified.Clostridiales	0.147816231	0.037013241	3.993604093
OTU_843	0.922394179	Prevotella	0.029496961	0.020950891	1.407909605
OTU_856	0.16607073	Bacteroides	0.184604575	0.716171294	0.257765951
OTU_86	0.8706345	unclassified.Rhodospirillaceae	0.017234179	0.140021789	0.123082125
OTU_869	0.710957295	Actinomyces	0.010274222	0.010475446	0.98079096
OTU_87	0.71286991	Alistipes	0.094125133	0.052028046	1.809122967
OTU_877	0.548225618	Lachnospiracea_incertae_sedis	0.025851269	0.009777083	2.644067797
OTU_88	0.664254338	Barnesiella	0.04772542	0.156084139	0.305767262
OTU_884	0.547151909	unclassified.Ruminococcaceae	0.042091169	0.026886977	1.565485362
OTU_888	0.649899516	Lachnospiracea_incertae_sedis	0.010274222	0.014316442	0.717651922
OTU_89	0.363091678	Streptococcus	0.289335357	0.078565842	3.682711864
OTU_9	0.495313887	Bacteroides	1.975633522	1.770350299	1.115956273
OTU_92	0.859921771	unclassified.Ruminococcaceae	0.111027886	0.129197162	0.859367842
OTU_922	0.565577418	Lachnospiracea_incertae_sedis	0.00762281	0.009427901	0.808537351
OTU_930	1.38E-06	unclassified.Lachnospiraceae	0.012262781	0.062852673	0.195103578
OTU_94	0.662746781	Collinsella	0.142513406	0.126054528	1.13056951
OTU_949	0.919473453	Bacteroides	0.012594208	0.015713168	0.801506591
OTU_96	0.080508	Acetanaerobacterium	0.115336431	0.058662495	1.966101695
OTU_960	0.884256598	unclassified.Lachnospiraceae	0.40931176	0.299946924	1.364613958
OTU_962	0.63723983	Lachnospiracea_incertae_sedis	0.038776904	0.01606235	2.414148858
OTU_968	0.547151909	Clostridium_XlVa	0.113679298	0.117674172	0.966051401
OTU_969	0.297539791	Clostridium_IV	0.0162399	0.004190178	3.875706215
OTU_97	0.150479457	Flavonifractor	0.114010725	0.053424772	2.134042317
OTU_972	0.000803733	Coprococcus	0.003314265	0.013967261	0.237288136
OTU_98	0.759229927	Ruminococcus	0.109370754	0.035267333	3.101191475
OTU_988	0.363091678	Dorea	0.040434036	0.047488687	0.851445663
OTU_989	0.927833881	Lachnospiracea_incertae_sedis	0.003977118	0.002793452	1.423728814
OTU_99	0.002118349	unclassified.Lachnospiraceae	0.043085448	0.097072462	0.443848311
OTU_997	0.099602111	Oscillibacter	0.009942796	0.003491815	2.847457627
OTU_998	0.62088587	Oscillibacter	0.022205577	0.019554165	1.13559322