

**Supplementary Table 7: Wilcoxon test (OTUs) between non-cancerous tissue (OFF) from CRC patients and controls**

	<b>padjust</b>	<b>Genus</b>	<b>mean HC [%]</b>	<b>mean OFF [%]</b>	<b>ratio</b>
OTU_1	0.071222685	Blautia	8.136278563	3.376648772	0.415011451
OTU_10	0.007134557	Roseburia	1.447008213	4.13481708	2.857493857
OTU_100	0.545088305	Granulicatella	0.00453936	0.008443844	1.86013986
OTU_101	0.724071888	Parasutterella	0.197985921	0.236427632	1.194163861
OTU_1010	0.844085802	Bifidobacterium	0.087993743	0.134657091	1.53030303
OTU_1011	0.000677248	unclassified.Ruminococcaceae	0.018157439	0.110658798	6.094405594
OTU_1016	0.968315644	Barnesiella	0.015014805	0.018665339	1.243128964
OTU_103	0.701441998	unclassified.Firmicutes	0.186812112	0.154211256	0.82548853
OTU_1039	0.005270762	Blautia	0.078565842	0.022665055	0.288484848
OTU_104	0.848600154	unclassified.Clostridiales	0.013268898	0.163099513	12.29186603
OTU_1040	0.83060539	Lachnospiracea_incertae_sedis	0.00453936	0.007110605	1.566433566
OTU_105	0.006322827	Peptostreptococcus	0.004190178	0.131101788	31.28787879
OTU_106	0.434267017	Butyricicoccus	0.17703503	0.110658798	0.62506724
OTU_1063	0.143829329	unclassified.Ruminococcaceae	0.01606235	0.033330963	2.075098814
OTU_1068	0.819215047	Flavonifractor	0.020252528	0.016887688	0.833855799
OTU_107	0.071222685	Oscillibacter	0.058313314	0.095993174	1.646162221
OTU_1078	0.101194595	Clostridium_sensu_stricto	0.012221353	0.115102926	9.418181818
OTU_108	0.777184392	Bifidobacterium	0.083454383	0.144878586	1.736021301
OTU_1080	0.585328373	Faecalibacterium	0.003491815	0.00311089	0.890909091
OTU_1083	0.369316766	Cellulosilyticum	0.013618079	0.04533011	3.328671329
OTU_109	0.758543397	Blautia	0.901586681	0.916823693	1.016900218
OTU_1090	0.718214702	Coprococcus	0.0321247	0.046218936	1.438735178
OTU_11	0.053859243	Lachnospiracea_incertae_sedis	2.644002458	0.482187933	0.182370456
OTU_110	0.001526213	Clostridium_IV	0.072280574	0.019998578	0.276679842
OTU_1111	0.227015735	unclassified.Lachnospiraceae	0.030029611	0.076439009	2.545454545
OTU_1117	0.953884166	Asaccharobacter	0.00453936	0.00622178	1.370629371
OTU_112	0.786485568	unclassified.Ruminococcaceae	0.101961003	0.088438156	0.867372354
OTU_1129	0.958249945	Lachnospiracea_incertae_sedis	0.004190178	0.003555303	0.848484848
OTU_113	0.010687426	Lachnospiracea_incertae_sedis	0.896348958	0.369751484	0.412508411
OTU_114	0.958249945	Flavonifractor	0.045742779	0.058218082	1.272727273
OTU_115	0.585328373	Clostridium_IV	0.016760713	0.151100366	9.015151515
OTU_1157	0.83060539	Dorea	0.006634449	0.008443844	1.272727273
OTU_1159	0.614053503	Lachnospiracea_incertae_sedis	0.012221353	0.007555018	0.618181818
OTU_116	0.958249945	Parabacteroides	0.093580647	0.077327834	0.826322931
OTU_1167	0.014386502	Lachnospiracea_incertae_sedis	0.038409967	0.005332954	0.138842975
OTU_1172	0.83060539	Butyricimonas	0.008729538	0.007999431	0.916363636
OTU_1174	0.17412361	Blautia	1.852407956	0.976375013	0.527084226
OTU_118	0.777184392	Clostridium_XIVa	0.008729538	0.015110037	1.730909091
OTU_12	1.08E-05	Coprococcus	2.257458517	0.043552458	0.019292695
OTU_120	0.437092068	Anaerococcus	0.001047545	0.091549045	87.39393939
OTU_1200	0.706709575	Prevotella	0.008031175	0.014665624	1.826086957
OTU_1204	0.83060539	Flavonifractor	0.016760713	0.018665339	1.113636364
OTU_121	0.844085802	unclassified.Rhodospirillales	0.026537795	0.124880009	4.705741627
OTU_122	0.729126649	Bacteroides	0.083105201	0.107992321	1.299465241
OTU_1228	0.746026099	unclassified.Lachnospiraceae	0.091136376	0.119991467	1.31661442
OTU_1229	0.944776651	Lachnospiracea_incertae_sedis	0.01850662	0.025331532	1.368782161
OTU_123	0.633324473	Catenibacterium	0.046790323	0.238205283	5.090909091
OTU_1230	0.777184392	Lachnospiracea_incertae_sedis	0.008031175	0.009777083	1.217391304
OTU_1232	0.142569981	Lachnospiracea_incertae_sedis	0.011173809	0.029331248	2.625
OTU_125	0.337114136	unclassified.Clostridiales	0.010824627	0.037330679	3.448680352
OTU_1250	0.199258855	Faecalibacterium	1.121920219	0.829274363	0.739156269
OTU_1256	0.975929418	Lachnospiracea_incertae_sedis	0.003142634	0.041330394	13.15151515
OTU_126	0.848089562	unclassified.Deltaproteobacteria	0.091485558	0.027998009	0.306037474
OTU_1262	0.13659047	Lachnospiracea_incertae_sedis	0.052726409	0.033775376	0.640577965
OTU_1266	0.792063742	unclassified.Lachnospiraceae	0.557642885	0.787499556	1.412193317
OTU_1267	0.007321992	unclassified.Lachnospiraceae	0.164464495	0.054218367	0.329666088

OTU_1277	0.755634062	unclassified.Lachnospiraceae	0.009427901	0.105325843	11.17171717
OTU_1279	0.209539417	Lachnospiracea_incertae_sedis	0.062852673	0.028886835	0.45959596
OTU_128	0.760159834	Blautia	0.163766132	0.162210687	0.990502035
OTU_1283	0.000494218	Anaerostipes	0.986088608	0.038663917	0.039209374
OTU_129	0.733116797	Lachnospiracea_incertae_sedis	0.024093525	0.040885981	1.696969697
OTU_1295	0.863122137	Lachnospiracea_incertae_sedis	0.002444271	0.004888541	2
OTU_1296	0.874286413	Faecalibacterium	0.441016258	0.491520603	1.114518103
OTU_13	0.098448226	Gemmiger	1.324096318	0.752390941	0.568229766
OTU_1303	0.000291902	Coprococcus	0.084851109	0.019998578	0.235690236
OTU_1306	0.276230484	unclassified.Lachnospiraceae	0.011872172	0.009777083	0.823529412
OTU_1309	0.340961997	Lachnospiracea_incertae_sedis	0.012221353	0.008443844	0.690909091
OTU_131	0.200645704	Erysipelotrichaceae_incertae_sedis	0.109642997	0.023998293	0.218876665
OTU_1312	0.737100883	Lachnospiracea_incertae_sedis	0.003840997	0.001777651	0.462809917
OTU_1317	0.63120688	Clostridium_XIVa	0.015363987	0.047996587	3.123966942
OTU_132	0.042469528	Pseudomonas	0.004888541	0.19554165	40
OTU_1320	0.068206497	Clostridium_XIVa	0.257346779	0.163988339	0.637227088
OTU_1322	0.015316707	Clostridium_XIVa	0.005586904	0	0
OTU_1324	0.000502801	unclassified.Lachnospiraceae	0.03456897	0.005777367	0.167125803
OTU_1326	0.356240273	unclassified.Lachnospiraceae	0.005586904	0.00311089	0.556818182
OTU_133	0.177784817	unclassified.Clostridiales	0.01152299	0.03599744	3.123966942
OTU_1331	0.064757417	Blautia	0.062852673	0.05466278	0.86969697
OTU_1337	0.315870993	unclassified.Lachnospiraceae	0.011173809	0.00622178	0.556818182
OTU_134	0.874286413	unclassified.Ruminococcaceae	0.045742779	0.056440431	1.233865371
OTU_1349	0.018157822	Lachnospiracea_incertae_sedis	0.01152299	0.001777651	0.154269972
OTU_135	0.596313091	Ruminococcus	0.052726409	0.140434458	2.66345575
OTU_1357	1.08E-05	unclassified.Lachnospiraceae	0.102310185	0.002222064	0.021718895
OTU_1358	0.253679351	Clostridium_sensu_stricto	0.24826806	0.383528282	1.544815241
OTU_136	0.866542184	Turicibacter	0.086597017	0.088438156	1.021260997
OTU_1366	0.199491818	Coprococcus	0.003491815	0.019554165	5.6
OTU_1370	0.6207807	Blautia	0.007332812	0.020442991	2.787878788
OTU_1380	0.866542184	unclassified.Lachnospiraceae	0.008031175	0.00933267	1.162055336
OTU_1388	0.006322827	Anaerostipes	0.008729538	0.000444413	0.050909091
OTU_139	0.016856906	unclassified.Bacteroidetes	0.008729538	0.133768265	15.32363636
OTU_1395	1.83E-05	unclassified.Lachnospiraceae	0.298550198	0.03910833	0.130994152
OTU_1396	0.232252021	Blautia	0.106849545	0.053773954	0.503267974
OTU_14	0.164646185	Bacteroides	1.067098721	4.017492089	3.76487387
OTU_140	0.150073463	Howardella	0.036314878	0.04533011	1.248251748
OTU_141	0.702823756	Gemella	0.008031175	0.11732499	14.60869565
OTU_1415	0.658390318	Clostridium_XIVa	0.421462093	0.389305649	0.923702644
OTU_142	0.86241044	Gemmiger	0.588370859	1.063924343	1.808254653
OTU_1421	0.143829329	Gemmiger	0.01152299	0.004888541	0.424242424
OTU_143	0.000686607	Alistipes	0.007332812	0.069772816	9.515151515
OTU_1439	0.975424415	Clostridium_XI	0.037362422	0.008443844	0.225998301
OTU_144	0.068206497	Dialister	0.001047545	0.151544779	144.6666667
OTU_1446	0.848089562	Lachnospiracea_incertae_sedis	0.000698363	0.000444413	0.636363636
OTU_145	0.031418606	Lachnospiracea_incertae_sedis	0.025490251	0.103548192	4.062266501
OTU_1451	0.119843735	Lachnospiracea_incertae_sedis	0.007332812	0.003555303	0.484848485
OTU_1454	0.445149201	Lachnospiracea_incertae_sedis	0.005586904	0.00622178	1.113636364
OTU_1459	0.471383283	Clostridium_XIVa	0.006285267	0.007110605	1.131313131
OTU_1461	0.071222685	Roseburia	0.006285267	0.001333239	0.212121212
OTU_1465	0.585328373	Coprococcus	0.003491815	0.001777651	0.509090909
OTU_147	0.975929418	unclassified.Lachnospiraceae	0.04609196	0.08443844	1.831955923
OTU_1475	0.099247315	Blautia	0.176336667	0.190653109	1.081188119
OTU_1476	0.953884166	Lachnospiracea_incertae_sedis	0.065646125	0.083994027	1.279497099
OTU_148	0.253378436	Porphyromonas	0.002095089	0.190653109	91
OTU_149	0.053859243	Lachnospiracea_incertae_sedis	0.05971004	0.116436165	1.950026582
OTU_15	0.297065969	Coprococcus	1.1128415	0.825274647	0.741592264
OTU_152	0.003522194	Alistipes	0.154687413	0.37686209	2.436281551

OTU_1523	0.239805264	Bacteroides	0.018157439	0.034664202	1.909090909
OTU_1524	0.052445359	Bacteroides	0.00453936	0.047107761	10.37762238
OTU_154	0.354418515	Clostridium_IV	0.01606235	0.020442991	1.272727273
OTU_1548	0.919397484	unclassified.Ruminococcaceae	0.019903347	0.026664771	1.339712919
OTU_158	0.866542184	Solobacterium	0.002095089	0.029331248	14
OTU_16	0.540567761	Alistipes	0.599893849	0.686617841	1.144565562
OTU_161	0.01036739	unclassified.Ruminococcaceae	0.016760713	0.064884275	3.871212121
OTU_162	0.760159834	unclassified.Sutterellaceae	0.010126264	0.090215807	8.909090909
OTU_163	0.048589183	unclassified.Clostridiales	0.025141069	0.079994312	3.181818182
OTU_165	0.954259624	unclassified.Alphaproteobacteria	0.023744343	0.03288655	1.385026738
OTU_166	0.975929418	unclassified.Clostridiales	0.007681993	0.016887688	2.198347107
OTU_1663	0.975929418	Barnesiella	0.003840997	0.010221495	2.661157025
OTU_167	0.701441998	Flavonifractor	0.118372535	0.07821666	0.660766962
OTU_17	0.753874758	Bacteroides	0.901935862	1.300351975	1.441734417
OTU_1705	0.040505185	Coprococcus	0.024442706	0.005332954	0.218181818
OTU_1707	0.075514679	Blautia	0.447301525	0.263092402	0.58817685
OTU_171	0.010700882	Phascolarctobacterium	0.06669367	0.297312191	4.457877201
OTU_1712	0.564243699	Lachnospiracea_incertae_sedis	0.025839432	0.016443275	0.636363636
OTU_1718	3.60E-05	Dorea	0.318453545	0.104881431	0.329346093
OTU_1719	5.73E-06	unclassified.Lachnospiraceae	0.239887703	0.004888541	0.020378457
OTU_1725	0.594881184	Clostridium_XIVa	0.074375663	0.219095531	2.945795988
OTU_1726	0.072501649	Lachnospiracea_incertae_sedis	0.001047545	0.006666193	6.363636364
OTU_173	0.674116289	unclassified.Clostridiales	0.032823063	0.015554449	0.473887814
OTU_1732	0.133294759	Lachnospiracea_incertae_sedis	0.015363987	0.009777083	0.636363636
OTU_1738	0.706709575	Lachnospiracea_incertae_sedis	0.002444271	0.001333239	0.545454545
OTU_1749	0.975929418	Clostridium_XIVa	0.034219789	0.125324421	3.662337662
OTU_1756	0.960109729	Blautia	0.0321247	0.036886266	1.148221344
OTU_1759	0.229522027	unclassified.Lachnospiraceae	0.012919716	0.007110605	0.55036855
OTU_1760	0.221118739	Lachnospiracea_incertae_sedis	0.009427901	0.00622178	0.65993266
OTU_1762	0.000171804	Lachnospiracea_incertae_sedis	0.04609196	0.010221495	0.221763085
OTU_177	0.162133841	Clostridium_XIVb	0.035616515	0.017776514	0.499108734
OTU_1772	0.706709575	unclassified.Lachnospiraceae	0.046790323	0.063551036	1.358208955
OTU_1774	0.232252021	unclassified.Lachnospiraceae	0.002793452	0.007999431	2.863636364
OTU_1776	0.733116797	unclassified.Lachnospiraceae	0.165162858	0.213762577	1.294253315
OTU_178	0.244535442	Paraprevotella	0.042250964	0.059995734	1.419984974
OTU_1781	0.265858661	Clostridium_XIVa	0.106849545	0.024887119	0.232917409
OTU_179	0.110377823	unclassified.Ruminococcaceae	0.013967261	0.048441	3.468181818
OTU_18	0.347731719	Parabacteroides	0.801720767	0.711060547	0.88691796
OTU_181	0.963107729	unclassified.Lachnospiraceae	0.010126264	0.027998009	2.764890282
OTU_182	0.633324473	unclassified.Ruminococcaceae	0.100564277	0.018665339	0.185606061
OTU_183	0.033194733	Eubacterium	0.014316442	0.043552458	3.042128603
OTU_186	0.437092068	unclassified.Ruminococcaceae	0.008380356	0.038663917	4.613636364
OTU_187	0.242100528	unclassified.Ruminococcaceae	0.00453936	0.026664771	5.874125874
OTU_1877	0.83060539	Blautia	0.058313314	0.052440715	0.899292324
OTU_189	0.971029368	Clostridium_XIVb	0.010824627	0.009777083	0.903225806
OTU_19	0.000582362	Coprococcus	0.6669367	0.248871191	0.37315564
OTU_1925	0.941287821	Clostridium_XIVb	0.010475446	0.007555018	0.721212121
OTU_1936	0.534639873	unclassified.Ruminococcaceae	0.003491815	0.005777367	1.654545455
OTU_196	0.012364752	Alistipes	0.010824627	0.049329825	4.557184751
OTU_197	0.014974348	Bacteroides	0.000349182	0.059995734	171.8181818
OTU_1977	0.25014987	Ruminococcus	0.029680429	0.077327834	2.605347594
OTU_199	0.866542184	unclassified.Clostridiales	0.005586904	0.023998293	4.295454545
OTU_2	0.00646677	Faecalibacterium	6.31215431	3.796174494	0.601407112
OTU_20	0.723742688	Clostridium_XI	0.566721605	0.751946528	1.326835826
OTU_200	0.004136179	unclassified.Lachnospiraceae	0.049234594	0.016443275	0.333978079
OTU_201	0.390599444	Bacteroides	0.012570535	0.016443275	1.308080808
OTU_2018	0.743741249	unclassified.Clostridiales	0.005237723	0.007110605	1.357575758
OTU_203	0.263891576	Clostridium_IV	0.002444271	0.027998009	11.45454545

OTU_205	0.075514679	Mogibacterium	0.005237723	0.019109752	3.648484848
OTU_206	0.03498524	unclassified.Ruminococcaceae	0.002095089	0.077772247	37.12121212
OTU_2064	0.585328373	Coprococcus	0.004888541	0.001777651	0.363636364
OTU_207	0.701441998	Flavonifractor	0.01606235	0.015554449	0.968379447
OTU_208	0.044419141	unclassified.Clostridiales	0.009078719	0.031997725	3.524475524
OTU_21	1.20E-05	Clostridium_XIVa	1.016118219	0.239982935	0.236176195
OTU_212	0.200645704	Butyricimonas	0.025141069	0.044885697	1.785353535
OTU_213	0.547620001	Veillonella	0.023395162	0.028442422	1.215739484
OTU_214	0.718214702	Lachnospiracea_incertae_sedis	0.024791888	0.061328972	2.473751601
OTU_216	0.646489673	unclassified.Clostridiales	0.001745908	0.009777083	5.6
OTU_217	0.199258855	unclassified.Clostridiales	0.002793452	0.021331816	7.636363636
OTU_218	0.199258855	Alistipes	0.008729538	0.019998578	2.290909091
OTU_22	0.541664731	Dorea	0.685792502	0.667508088	0.973338271
OTU_222	0.437092068	Peptococcus	0.013268898	0.004888541	0.368421053
OTU_223	0.014974348	Anaerorhabdus	0.024442706	0.018665339	0.763636364
OTU_226	0.004447089	Clostridium_IV	0.003840997	0.022665055	5.900826446
OTU_228	0.121016642	Faecalibacterium	0.022347617	0.012887972	0.576704545
OTU_229	0.872161803	unclassified.Clostridiales	0.009078719	0.060440146	6.657342657
OTU_23	0.128108285	unclassified.Ruminococcaceae	0.307978099	0.662175134	2.15007215
OTU_230	0.275732403	unclassified.Ruminococcaceae	0.016411531	0.060440146	3.6827853
OTU_231	0.496474919	unclassified.Lachnospiraceae	0.031426337	0.003555303	0.113131313
OTU_234	0.077652155	Bacteroides	0.364894687	0.589735841	1.616180948
OTU_235	0.900781951	Barnesiella	0.026188614	0.010665908	0.407272727
OTU_237	0.786485568	Clostridium_XIVb	0.013268898	0.018665339	1.406698565
OTU_239	0.005270762	Streptococcus	0.212651545	0.498631208	2.344827586
OTU_24	0.31850218	Lachnospiracea_incertae_sedis	0.8691128	0.746169161	0.858541218
OTU_240	0.925271353	unclassified.Coriobacteriaceae	0.024791888	0.018220927	0.734955186
OTU_241	0.912824396	Clostridium_XIVa	0.019554165	0.017776514	0.909090909
OTU_242	0.612982321	Lachnospiracea_incertae_sedis	0.043298508	0.075994596	1.755131965
OTU_246	0.117392472	Pseudoflavonifractor	0.01850662	0.038663917	2.089193825
OTU_247	0.110377823	Alistipes	0.003840997	0.021776229	5.669421488
OTU_249	0.675613488	Peptoniphilus	0.002095089	0.009777083	4.666666667
OTU_25	0.020519728	Bifidobacterium	0.161321862	1.43412024	8.889807163
OTU_251	0.376154697	Bacteroides	0.629923459	1.227912682	1.949304576
OTU_259	0.233906429	Clostridium_IV	0.003491815	0.015554449	4.454545455
OTU_26	0.8396634	Prevotella	1.138680932	4.685000178	4.114409969
OTU_261	0.253378436	unclassified.Clostridiales	0.005936086	0.007555018	1.272727273
OTU_262	0.679217072	Eggerthella	0.008380356	0.015554449	1.856060606
OTU_263	0.053899162	unclassified.Ruminococcaceae	0.00453936	0.01244356	2.741258741
OTU_269	0.594881184	unclassified.Clostridiales	0.002095089	0.011554734	5.515151515
OTU_27	0.342992189	Clostridium_sensu_stricto	0.265377954	0.505297401	1.904066986
OTU_274	0.958249945	Butyricicoccus	0.014316442	0.014665624	1.024390244
OTU_275	0.760159834	Methanobrevibacter	0.003491815	0.009777083	2.8
OTU_277	0.207627353	Gemmiger	0.002793452	0.029331248	10.5
OTU_278	0.547620001	Coprococcus	0.010824627	0.014665624	1.35483871
OTU_279	0.777184392	unclassified.Ruminococcaceae	0.003840997	0.008443844	2.198347107
OTU_28	0.958249945	Haemophilus	0.18401866	1.310129057	7.119544592
OTU_283	0.090321587	Holdemania	0.02060171	0.009777083	0.474576271
OTU_288	0.369316766	Clostridium_XIVa	0.024791888	0.015110037	0.609475032
OTU_29	0.142971122	Bacteroides	1.48087882	0.36130764	0.243981908
OTU_290	0.978106801	Paraprevotella	0.055519861	0.022220642	0.400228702
OTU_291	0.445149201	Oscillibacter	0.00698363	0.013332385	1.909090909
OTU_293	0.63299601	unclassified.Ruminococcaceae	0.002444271	0.00933267	3.818181818
OTU_297	0.633324473	unclassified.Coriobacteriaceae	0.003142634	0.009777083	3.111111111
OTU_3	0.110377823	Bacteroides	7.930610649	5.649376044	0.7123507
OTU_30	0.001292645	Oscillibacter	0.348483155	1.07592349	3.087447623
OTU_300	0.016466789	Sporobacter	0.008031175	0.020442991	2.545454545
OTU_305	0.141656265	unclassified.Ruminococcaceae	0.004190178	0.013332385	3.181818182

OTU_306	0.096905571	Clostridium_IV	0.004190178	0.032442137	7.742424242
OTU_31	0.369316766	Bacteroides	0.701505671	0.736392079	1.049730757
OTU_314	0.101991914	unclassified.Clostridiales	0.003491815	0.014665624	4.2
OTU_32	0.315870993	Bacteroides	0.219984357	0.662175134	3.01010101
OTU_321	0.014442819	Lachnospiracea_incertae_sedis	0.091485558	0.038663917	0.422623178
OTU_322	0.23055444	Staphylococcus	0.003840997	0.010665908	2.776859504
OTU_324	0.701287216	Anaerotruncus	0.023395162	0.020887404	0.892808684
OTU_325	0.497002315	Clostridium_XIVa	0.003840997	0.00933267	2.429752066
OTU_327	0.828191961	Slackia	0.008380356	0.007110605	0.848484848
OTU_33	0.338571953	Sutterella	0.496186938	0.94926583	1.913121361
OTU_330	0.777184392	unclassified.Clostridiales	0.003142634	0.004888541	1.555555556
OTU_331	0.737100883	unclassified.Clostridiales	0.016411531	0.02977566	1.814313346
OTU_34	0.718214702	Halomonas	0.16795631	1.311462296	7.808353808
OTU_342	0.339873228	unclassified.Clostridiales	0.005936086	0.012887972	2.171122995
OTU_347	0.075514679	Victivallis	0.001396726	0.007999431	5.727272727
OTU_35	0.624409312	Bacteroides	0.077518297	0.881270665	11.36855037
OTU_351	0.001634593	unclassified.Clostridiales	0.002095089	0.040885981	19.51515152
OTU_354	0.200645704	Lachnospiracea_incertae_sedis	0.012221353	0.001777651	0.145454545
OTU_355	0.371509109	unclassified.Coriobacteriaceae	0.007681993	0.011554734	1.504132231
OTU_357	0.706709575	Lachnospiracea_incertae_sedis	0.008031175	0.015998862	1.992094862
OTU_36	0.010687426	Streptococcus	0.029331248	0.450190209	15.34848485
OTU_360	0.867051264	Lachnospiracea_incertae_sedis	0.008031175	0.007999431	0.996047431
OTU_361	0.128108285	unclassified.Ruminococcaceae	0.003491815	0.007110605	2.036363636
OTU_366	0.701441998	unclassified.Ruminococcaceae	0.005936086	0.003999716	0.673796791
OTU_368	0.123891281	Anaerotruncus	0.004190178	0.012887972	3.075757576
OTU_37	0.01036739	Lachnospiracea_incertae_sedis	0.459522878	0.149767128	0.325918762
OTU_370	0.063287139	Alistipes	0.001745908	0.013776798	7.890909091
OTU_371	0.135154693	unclassified.Desulfovibrionaceae	0.001396726	0.010221495	7.318181818
OTU_373	0.975929418	Clostridium_IV	0.001396726	0.001333239	0.954545455
OTU_375	0.243119364	unclassified.Porphyrimonadaceae	0.009427901	0.059995734	6.363636364
OTU_378	0.706709575	Oscillibacter	0.010126264	0.005332954	0.526645768
OTU_38	0.189400706	Alistipes	0.368386502	0.320421659	0.869797501
OTU_380	0.353271554	Clostridium_IV	0.003840997	0.001333239	0.347107438
OTU_382	0.177784817	unclassified.Ruminococcaceae	0.005586904	0.001333239	0.238636364
OTU_385	0.760159834	Rothia	0.001745908	0.005777367	3.309090909
OTU_387	0.728326722	unclassified.Clostridiales	0.002444271	0.005777367	2.363636364
OTU_39	0.643432252	Lachnospiracea_incertae_sedis	0.37257668	0.294201301	0.789639601
OTU_397	0.221118739	Butyricimonas	0.006634449	0.022665055	3.416267943
OTU_4	1.20E-05	Anaerostipes	7.594698028	0.667952501	0.087949843
OTU_40	0.071222685	Clostridium_XIVa	0.596402034	0.13287944	0.222801788
OTU_41	0.209951803	Clostridium_sensu_stricto	0.053773954	0.603957052	11.23140496
OTU_412	0.036898719	Butyricimonas	0.018157439	0.047107761	2.594405594
OTU_415	0.540567761	Prevotella	0.327881446	0.60840118	1.855552328
OTU_42	0.437092068	Clostridium_XI	0.557293704	0.628399758	1.127591707
OTU_43	0.866542184	Shewanella	0.074026482	0.795498987	10.74614065
OTU_430	0.071222685	Acetanaerobacterium	0.082406838	0.055551605	0.674114022
OTU_436	0.138516631	Actinomyces	0.000349182	0.012887972	36.90909091
OTU_438	0.925271353	Enterorhabdus	0.003142634	0.005332954	1.696969697
OTU_44	0.724071888	Lachnospiracea_incertae_sedis	0.245823789	0.36441853	1.482438017
OTU_444	0.737100883	Pseudoflavonifractor	0.005936086	0.009777083	1.647058824
OTU_45	0.147006777	unclassified.Lachnospiraceae	0.78635678	0.559071355	0.710963992
OTU_456	0.055813284	Allisonella	0.002444271	0.027553596	11.27272727
OTU_457	0.998297017	Lachnospiracea_incertae_sedis	0.065995307	0.082216376	1.245791246
OTU_458	0.777184392	unclassified.Clostridiales	0.001745908	0.001333239	0.763636364
OTU_46	0.199258855	Klebsiella	0.690331862	1.019927472	1.477445165
OTU_468	0.101991914	unclassified.Ruminococcaceae	0.001745908	0.005332954	3.054545455
OTU_47	0.014974348	Clostridium_XVIII	0.308676462	0.108436733	0.351295763
OTU_470	0.015164894	unclassified.Oxalobacteraceae	0.001396726	0.012887972	9.227272727

OTU_48	0.473825947	Clostridium_XIVb	0.291217386	0.196874889	0.676040985
OTU_49	0.043725457	Fusobacterium	0.002444271	0.031108899	12.72727273
OTU_5	1.25E-05	Lachnospiracea_incertae_sedis	4.310296665	1.455007644	0.337565545
OTU_502	0.497002315	unclassified.Clostridiales	0.002444271	0.004888541	2
OTU_507	1	Bacteroides	0.053075591	0.054218367	1.0215311
OTU_51	0.232252021	Sporobacter	0.122213531	0.206207559	1.687272727
OTU_52	0.701441998	Fusobacterium	0.003142634	0.001333239	0.424242424
OTU_53	0.9744648	Phascolarctobacterium	0.098469188	0.228872614	2.324306899
OTU_534	0.958249945	Desulfovibrio	0.002793452	0.00933267	3.340909091
OTU_535	0.437092068	Clostridium_XIVa	0.021998436	0.02977566	1.353535354
OTU_536	0.844085802	Bacteroides	0.119070898	0.081771963	0.6867502
OTU_54	0.077652155	Clostridium_XIVa	0.099516733	0.04533011	0.455502392
OTU_545	0.83060539	Erysipelotrichaceae_incertae_sedis	0.001745908	0.003555303	2.036363636
OTU_55	0.075707045	Bifidobacterium	0.076121571	0.21420699	2.814011676
OTU_555	0.218737908	Alistipes	0.009777083	0.041774807	4.272727273
OTU_56	0.576511775	Sutterella	0.272710766	0.173321008	0.63554883
OTU_57	0.745351825	unclassified.Clostridiales	0.093580647	0.271091833	2.89687924
OTU_58	0.998297017	Desulfovibrio	0.270964858	0.381306218	1.407216495
OTU_580	0.249485396	Oscillibacter	0.002793452	0.005777367	2.068181818
OTU_586	0.113056494	Clostridium_XIVa	0.00453936	0.019554165	4.307692308
OTU_59	0.004100082	Ruminococcus	0.146656238	0.970597646	6.618181818
OTU_593	0.80338811	Clostridium_XVIII	0.015713168	0.013332385	0.848484848
OTU_6	0.077652155	Escherichia_Shigella	1.041259288	3.417534753	3.282116944
OTU_60	0.280269521	Oscillibacter	0.113833175	0.19243076	1.690462911
OTU_603	0.043570675	Lachnospiracea_incertae_sedis	0.025490251	0.099992889	3.922789539
OTU_61	0.448989194	Streptococcus	0.115579083	0.172876595	1.495742928
OTU_62	0.147006777	Bacteroides	0.061805129	0.737280904	11.92912173
OTU_627	0.866542184	unclassified.Bacteroidetes	0.039457512	0.009777083	0.247787611
OTU_63	0.043570675	Lachnospiracea_incertae_sedis	0.203572825	0.111547623	0.547949478
OTU_639	0.004233842	Clostridium_XIVa	0.00453936	0.050663064	11.16083916
OTU_64	0.007321992	Ruminococcus	0.019554165	0.31908842	16.31818182
OTU_65	0.642479611	Flavonifractor	0.075074026	0.147989476	1.971247357
OTU_66	0.18785886	Coprococcus	0.092533102	0.254648558	2.751972556
OTU_673	0.163066912	Lachnospiracea_incertae_sedis	0.160274317	0.061773385	0.385422856
OTU_678	0.556435962	Clostridium_XIVa	0.010475446	0.010221495	0.975757576
OTU_68	0.138516631	Dialister	0.16795631	0.228428201	1.36004536
OTU_681	0.797062931	Veillonella	0.015363987	0.00933267	0.607438017
OTU_689	0.136983083	Clostridium_sensu_stricto	0.130593888	0.061773385	0.47301896
OTU_69	0.114865814	unclassified.Ruminococcaceae	0.053773954	0.251537668	4.67768595
OTU_7	0.119843735	Akkermansia	2.016523269	2.867351655	1.421928375
OTU_70	0.011058335	Clostridium_IV	0.034219789	0.208874036	6.103896104
OTU_702	0.564243699	Clostridium_XIVa	0.132688977	0.139990045	1.055023923
OTU_71	0.661731917	Bacteroides	0.222777809	0.237316457	1.065260758
OTU_72	0.786485568	Odoribacter	0.175289122	0.230205852	1.313292285
OTU_721	0.445149201	Clostridium_XIVa	0.004190178	0.02977566	7.106060606
OTU_727	0.000169856	unclassified.Lachnospiraceae	0.092882284	0.000888826	0.009569378
OTU_731	0.10734544	Blautia	0.932314654	0.661286309	0.709295199
OTU_738	0.141656265	Lachnospiracea_incertae_sedis	0.099167551	0.049329825	0.497439181
OTU_74	0.042469528	Parvimonas	0.008380356	0.139101219	16.59848485
OTU_745	0.975929418	Erysipelotrichaceae_incertae_sedis	0.30343874	0.118213816	0.3895805
OTU_75	0.848089562	Barnesiella	0.707441757	0.58795819	0.831104729
OTU_751	0.142569981	Lachnospiracea_incertae_sedis	0.028283703	0.017332101	0.612794613
OTU_755	0.731540601	Lachnospiracea_incertae_sedis	0.041901782	0.027553596	0.657575758
OTU_76	0.006386594	Clostridium_IV	0.020252528	0.17820955	8.799373041
OTU_761	0.863122137	Lachnospiracea_incertae_sedis	0.080311749	0.037775092	0.470355731
OTU_77	0.902981624	Bilophila	0.144561149	0.144434174	0.999121651
OTU_78	0.068611189	Enterococcus	0.001047545	0.466189071	445.030303
OTU_782	0.553319323	Alistipes	0.015014805	0.018220927	1.213530655

OTU_784	0.024928633	unclassified.Clostridiales	0.002793452	0.012887972	4.613636364
OTU_788	0.633324473	Lachnospiracea_incertae_sedis	0.311120733	0.251093256	0.807060504
OTU_79	1.08E-05	Clostridium_XIVa	0.385496396	0.150211541	0.389657444
OTU_790	0.844085802	Akkermansia	0.007681993	0.006666193	0.867768595
OTU_8	5.73E-06	Roseburia	2.846178557	0.465744658	0.163638594
OTU_802	0.160566174	Faecalibacterium	2.579753059	1.609663313	0.62396023
OTU_809	0.975113981	Lachnospiracea_incertae_sedis	0.015014805	0.017776514	1.183932347
OTU_81	0.150073463	unclassified.Ruminococcaceae	0.070883848	0.098215238	1.385579937
OTU_82	0.119843735	Prevotella	0.131292251	0.488854126	3.723404255
OTU_822	0.83060539	Flavonifractor	0.008729538	0.008443844	0.967272727
OTU_83	0.101991914	Lachnospiracea_incertae_sedis	0.240586066	0.288868347	1.200686106
OTU_830	0.376398447	Lachnospiracea_incertae_sedis	0.018855802	0.010665908	0.565656566
OTU_837	0.848089562	unclassified.Lachnospiraceae	0.029331248	0.07821666	2.666666667
OTU_84	0.925271353	unclassified.Clostridiales	0.037013241	0.061328972	1.656946827
OTU_843	0.887271021	Prevotella	0.020950891	0.051107477	2.439393939
OTU_856	0.492224943	Bacteroides	0.716171294	0.19865254	0.277381322
OTU_86	0.797062931	unclassified.Rhodospirillaceae	0.140021789	0.027109183	0.193606892
OTU_869	0.902362674	Actinomyces	0.010475446	0.010221495	0.975757576
OTU_87	0.679812425	Alistipes	0.052028046	0.086216091	1.657107993
OTU_877	0.376745074	Lachnospiracea_incertae_sedis	0.009777083	0.017776514	1.818181818
OTU_88	0.971333188	Barnesiella	0.156084139	0.071106055	0.455562335
OTU_884	0.590848181	unclassified.Ruminococcaceae	0.026886977	0.035553027	1.32231405
OTU_888	0.701441998	Lachnospiracea_incertae_sedis	0.014316442	0.015110037	1.055432373
OTU_89	0.983413409	Streptococcus	0.078565842	0.010665908	0.135757576
OTU_9	0.987493738	Bacteroides	1.770350299	1.243467131	0.702384795
OTU_92	1	unclassified.Ruminococcaceae	0.129197162	0.079994312	0.619164619
OTU_922	0.209951803	Lachnospiracea_incertae_sedis	0.009427901	0.004888541	0.518518519
OTU_930	0.000151859	unclassified.Lachnospiraceae	0.062852673	0.015998862	0.254545455
OTU_94	0.209539417	Collinsella	0.126054528	0.197763715	1.568874339
OTU_949	0.972514091	Bacteroides	0.015713168	0.009777083	0.622222222
OTU_96	0.061298381	Acetanaerobacterium	0.058662495	0.13287944	2.265151515
OTU_960	0.737100883	unclassified.Lachnospiraceae	0.299946924	0.36441853	1.21494338
OTU_962	0.536680963	Lachnospiracea_incertae_sedis	0.01606235	0.046663348	2.90513834
OTU_968	0.777184392	Clostridium_XIVa	0.117674172	0.106214669	0.902616671
OTU_969	0.114384308	Clostridium_IV	0.004190178	0.015998862	3.818181818
OTU_97	0.098448226	Flavonifractor	0.053424772	0.115991752	2.171122995
OTU_972	0.001526213	Coprococcus	0.013967261	0.002666477	0.190909091
OTU_98	0.777184392	Ruminococcus	0.035267333	0.076439009	2.167416742
OTU_988	0.675613488	Dorea	0.047488687	0.051107477	1.076203209
OTU_989	0.868994206	Lachnospiracea_incertae_sedis	0.002793452	0.006666193	2.386363636
OTU_99	0.02671532	unclassified.Lachnospiraceae	0.097072462	0.047996587	0.494440811
OTU_997	0.188171797	Oscillibacter	0.003491815	0.015110037	4.327272727
OTU_998	0.866542184	Oscillibacter	0.019554165	0.032442137	1.659090909