

**Supplementary Table 5: paired Wilcoxon test (OTUs) between cancer tissue and paired non-cancerous tissue**

	<b>padjust</b>	<b>Genus</b>	<b>mean ON [%]</b>	<b>mean OFF [%]</b>	<b>ratio</b>
OTU_1	0.845931251	Blautia	2.218175596	3.306354253	0.670882618
OTU_10	0.956277254	Roseburia	3.815913831	4.042611076	0.943923063
OTU_100	0.845931251	Granulicatella	0.574403598	0.00807672	71.11842105
OTU_101	0.987011972	Parasutterella	0.21387368	0.232949618	0.918111314
OTU_1010	0.867454842	Bifidobacterium	0.04684852	0.129227525	0.362527412
OTU_1011	0.992720848	unclassified.Ruminococcaceae	0.127102073	0.107547908	1.181818182
OTU_1016	0.96598686	Barnesiella	0.010999218	0.018703984	0.588068182
OTU_103	0.992720848	unclassified.Firmicutes	0.147063616	0.162384588	0.905650087
OTU_1039	0.845931251	Blautia	0.046033764	0.028055976	1.640782828
OTU_104	0.926920801	unclassified.Clostridiales	0.233427845	0.15600823	1.496253406
OTU_1040	0.956277254	Lachnospiracea_incertae_sedis	0.006110677	0.006801449	0.8984375
OTU_105	0.921286781	Peptostreptococcus	0.576033112	0.125401711	4.593502825
OTU_106	0.935195413	Butyricoccus	0.080660931	0.107547908	0.75
OTU_1063	0.956277254	unclassified.Ruminococcaceae	0.029331248	0.040808692	0.71875
OTU_1068	1	Flavonifractor	0.019961543	0.016578531	1.204059829
OTU_107	0.921286781	Oscillibacter	0.05744036	0.093094829	0.617009132
OTU_1078	0.921286781	Clostridium_sensu_stricto	0.073328119	0.123276258	0.594827586
OTU_108	0.881446127	Bifidobacterium	0.119361882	0.138579517	0.861324131
OTU_1080	1	Faecalibacterium	0.004888541	0.003400724	1.4375
OTU_1083	0.956277254	Cellulosilyticum	0.217540086	0.043784326	4.968446602
OTU_109	0.926920801	Blautia	0.828607743	0.88291306	0.938493019
OTU_1090	1	Coprococcus	0.041552601	0.044209417	0.939903846
OTU_11	0.926920801	Lachnospiracea_incertae_sedis	0.749576326	0.48417813	1.548141645
OTU_110	0.956277254	Clostridium_IV	0.020368922	0.019129074	1.064814815
OTU_1111	0.881446127	unclassified.Lachnospiraceae	0.065995307	0.073115574	0.902616279
OTU_1117	0.948463697	Asaccharobacter	0.004481163	0.005951268	0.75297619
OTU_112	0.921286781	unclassified.Ruminococcaceae	0.065995307	0.086718471	0.761029412
OTU_1129	1	Lachnospiracea_incertae_sedis	0.005703298	0.003400724	1.677083333
OTU_113	0.967242042	Lachnospiracea_incertae_sedis	0.378861948	0.380030947	0.996923937
OTU_114	0.921286781	Flavonifractor	0.041145222	0.055686861	0.738867684
OTU_115	0.996835267	Clostridium_IV	0.149100508	0.144530785	1.031617647
OTU_1157	0.926920801	Dorea	0.004073784	0.011902535	0.342261905
OTU_1159	1	Lachnospiracea_incertae_sedis	0.011406596	0.007226539	1.578431373
OTU_116	0.921286781	Parabacteroides	0.018739408	0.073965755	0.25335249
OTU_1167	1	Lachnospiracea_incertae_sedis	0.003259028	0.005101087	0.638888889
OTU_1172	0.992720848	Butyricimonas	0.008147569	0.00765163	1.064814815
OTU_1174	0.845931251	Blautia	0.685617912	1.004914047	0.682265228
OTU_118	0.956277254	Clostridium_XIVa	0.008554947	0.014453079	0.591911765
OTU_12	1	Coprococcus	0.039923087	0.043784326	0.911812298
OTU_120	0.845931251	Anaerococcus	0.309607613	0.087568652	3.535598706
OTU_1200	0.956277254	Prevotella	0.010999218	0.014027988	0.784090909
OTU_1204	1	Flavonifractor	0.008147569	0.017853803	0.456349206
OTU_121	0.956277254	unclassified.Rhodospirillales	0.087993743	0.119450443	0.736654804
OTU_122	0.881446127	Bacteroides	0.103066745	0.103297002	0.997770919
OTU_1228	0.95312528	unclassified.Lachnospiraceae	0.108362665	0.125401711	0.864124294
OTU_1229	1	Lachnospiracea_incertae_sedis	0.024442706	0.024655252	0.99137931
OTU_123	1	Catenibacterium	0.054588711	0.227848532	0.239583333
OTU_1230	1	Lachnospiracea_incertae_sedis	0.008147569	0.009351992	0.871212121
OTU_1232	0.956277254	Lachnospiracea_incertae_sedis	0.045219007	0.029756338	1.519642857
OTU_125	0.989546634	unclassified.Clostridiales	0.037886195	0.045909779	0.825231481
OTU_1250	0.956277254	Faecalibacterium	0.881974319	0.84380473	1.045235097
OTU_1256	1	Lachnospiracea_incertae_sedis	0.002444271	0.039533421	0.061827957
OTU_126	1	unclassified.Deltaproteobacteria	0.000814757	0.042083964	0.019360269

OTU_1262	0.956277254	Lachnospiracea_incertae_sedis	0.026479598	0.032306881	0.819627193
OTU_1266	0.956277254	unclassified.Lachnospiraceae	0.705986834	0.826376018	0.854316701
OTU_1267	1	unclassified.Lachnospiraceae	0.046441142	0.051861046	0.895491803
OTU_1277	1	unclassified.Lachnospiraceae	0.116102855	0.10159664	1.142782427
OTU_1279	0.956277254	Lachnospiracea_incertae_sedis	0.033405032	0.029756338	1.122619048
OTU_128	0.867454842	Blautia	0.123435667	0.157283501	0.784797297
OTU_1283	0.921286781	Anaerostipes	0.050514926	0.037407968	1.350378788
OTU_129	1	Lachnospiracea_incertae_sedis	0.050922305	0.039533421	1.288082437
OTU_1295	0.921286781	Lachnospiracea_incertae_sedis	0.00529592	0.004675996	1.132575758
OTU_1296	0.935195413	Faecalibacterium	0.47215161	0.521161007	0.90596112
OTU_13	0.921286781	Gemmiger	0.485595098	0.749009539	0.648316307
OTU_1303	1	Coprococcus	0.023220571	0.020404346	1.138020833
OTU_1306	0.921286781	unclassified.Lachnospiraceae	0.013443488	0.009351992	1.4375
OTU_1309	1	Lachnospiracea_incertae_sedis	0.006925433	0.00807672	0.85745614
OTU_131	0.967242042	Erysipelotrichaceae_incertae_sedis	0.027701734	0.022954889	1.206790123
OTU_1312	0.845931251	Lachnospiracea_incertae_sedis	0.006110677	0.002125453	2.875
OTU_1317	0.967242042	Clostridium_XIVa	0.147878373	0.047610141	3.106026786
OTU_132	0.992720848	Pseudomonas	0.728392648	0.192566017	3.782560706
OTU_1320	0.926920801	Clostridium_XIVa	0.138101291	0.1798133	0.768026005
OTU_1322	1	Clostridium_XIVa	0.000814757	0	Inf
OTU_1324	0.921286781	unclassified.Lachnospiraceae	0.003259028	0.005526177	0.58974359
OTU_1326	0.921286781	unclassified.Lachnospiraceae	0.002444271	0.002975634	0.821428571
OTU_133	0.921286781	unclassified.Clostridiales	0.025664842	0.04675996	0.548863636
OTU_1331	0.935195413	Blautia	0.035441924	0.052286137	0.677845528
OTU_1337	0.956277254	unclassified.Lachnospiraceae	0.006518055	0.005951268	1.095238095
OTU_134	1	unclassified.Ruminococcaceae	0.054996089	0.053986499	1.018700787
OTU_1349	0.926920801	Lachnospiracea_incertae_sedis	0.003259028	0.001700362	1.916666667
OTU_135	1	Ruminococcus	0.098992961	0.134328612	0.736946203
OTU_1357	0.921286781	unclassified.Lachnospiraceae	0.001222135	0.002550543	0.479166667
OTU_1358	0.921286781	Clostridium_sensu_stricto	0.284757528	0.402135655	0.708113108
OTU_136	1	Turicibacter	0.068846956	0.087143562	0.79004065
OTU_1366	1	Coprococcus	0.032997654	0.018703984	1.764204545
OTU_1370	0.956277254	Blautia	0.014258245	0.019554165	0.729166667
OTU_1380	0.956277254	unclassified.Lachnospiraceae	0.005703298	0.008926901	0.638888889
OTU_1388	0.921286781	Anaerostipes	0.000814757	0.000425091	1.916666667
OTU_139	0.956277254	unclassified.Bacteroidetes	0.090030635	0.237200524	0.379554958
OTU_1395	0.935195413	unclassified.Lachnospiraceae	0.040330465	0.037833058	1.066011236
OTU_1396	0.921286781	Blautia	0.042774736	0.051435956	0.83161157
OTU_14	0.956277254	Bacteroides	2.10777604	3.942714798	0.53460018
OTU_140	0.956277254	Howardella	0.042774736	0.046334869	0.923165138
OTU_141	0.935195413	Gemella	0.292497719	0.112223904	2.606376263
OTU_1415	0.935195413	Clostridium_XIVa	0.365418459	0.407236741	0.897312109
OTU_142	0.991803299	Gemmiger	1.295056055	1.07760453	1.201791584
OTU_1421	0.921286781	Gemmiger	0.002444271	0.004675996	0.522727273
OTU_143	0.921286781	Alistipes	0.051737062	0.067164306	0.770305907
OTU_1439	0.867454842	Clostridium_XI	0.004481163	0.00807672	0.554824561
OTU_144	0.935195413	Dialister	0.285572285	0.144955876	1.970063539
OTU_1446	0.845931251	Lachnospiracea_incertae_sedis	0.006518055	0.000425091	15.33333333
OTU_145	0.935195413	Lachnospiracea_incertae_sedis	0.084327337	0.105422455	0.799899194
OTU_1451	1	Lachnospiracea_incertae_sedis	0	0.003400724	0
OTU_1454	1	Lachnospiracea_incertae_sedis	0.008147569	0.007226539	1.12745098
OTU_1459	0.935195413	Clostridium_XIVa	0.004888541	0.011052354	0.442307692
OTU_1461	0.935195413	Roseburia	0.000407378	0.001275272	0.319444444
OTU_1465	1	Coprococcus	0.001222135	0.001700362	0.71875
OTU_147	0.921286781	unclassified.Lachnospiraceae	0.03136814	0.082042475	0.382340242
OTU_1475	0.881446127	Blautia	0.091660149	0.184914387	0.495689655

OTU_1476	0.921286781	Lachnospiracea_incertae_sedis	0.051329683	0.082467566	0.62242268
OTU_148	0.921286781	Porphyromonas	0.700283535	0.182788934	3.831104651
OTU_149	0.845931251	Lachnospiracea_incertae_sedis	0.063958415	0.111373723	0.574268448
OTU_15	0.973734568	Coprococcus	0.650583366	0.797044771	0.816244444
OTU_152	0.845931251	Alistipes	0.224058141	0.396609478	0.564933905
OTU_1523	0.956277254	Bacteroides	0.028923869	0.034007244	0.850520833
OTU_1524	0.845931251	Bacteroides	0.014665624	0.045059598	0.325471698
OTU_154	0.921286781	Clostridium_IV	0.037478816	0.019554165	1.916666667
OTU_1548	0.921286781	unclassified.Ruminococcaceae	0.013443488	0.025505433	0.527083333
OTU_158	0.96598686	Solobacterium	0.297793638	0.028055976	10.61426768
OTU_16	0.884991935	Alistipes	0.463596663	0.698848855	0.663371857
OTU_161	0.845931251	unclassified.Ruminococcaceae	0.048885413	0.065038853	0.751633987
OTU_162	0.996835267	unclassified.Sutterellaceae	0.043182114	0.08629338	0.500410509
OTU_163	0.956277254	unclassified.Clostridiales	0.061921523	0.080767203	0.766666667
OTU_165	1	unclassified.Alphaproteobacteria	0.032997654	0.04675996	0.705681818
OTU_166	0.845931251	unclassified.Clostridiales	0.047663277	0.036982877	1.288793103
OTU_1663	0.935195413	Barnesiella	0.005703298	0.009777083	0.583333333
OTU_167	0.921286781	Flavonifractor	0.038293573	0.07779157	0.492258652
OTU_17	0.956277254	Bacteroides	1.413603181	1.248065838	1.132635104
OTU_1705	0.926920801	Coprococcus	0.003259028	0.006376358	0.511111111
OTU_1707	1	Blautia	0.211836788	0.254629236	0.831942126
OTU_171	1	Phascolarctobacterium	0.185764568	0.284385574	0.653213752
OTU_1712	0.921286781	Lachnospiracea_incertae_sedis	0.017517273	0.016153441	1.084429825
OTU_1718	1	Dorea	0.08595685	0.107122817	0.802414021
OTU_1719	1	unclassified.Lachnospiraceae	0.006110677	0.004675996	1.306818182
OTU_1725	0.921286781	Clostridium_XIVa	0.131990614	0.213820544	0.617296223
OTU_1726	0.921286781	Lachnospiracea_incertae_sedis	0.004073784	0.006376358	0.638888889
OTU_173	1	unclassified.Clostridiales	0.017517273	0.014878169	1.177380952
OTU_1732	1	Lachnospiracea_incertae_sedis	0.006925433	0.009351992	0.740530303
OTU_1738	0.926920801	Lachnospiracea_incertae_sedis	0.002444271	0.001275272	1.916666667
OTU_1749	1	Clostridium_XIVa	0.045219007	0.119875533	0.377216312
OTU_1756	0.956277254	Blautia	0.028923869	0.036557787	0.791182171
OTU_1759	0.956277254	unclassified.Lachnospiraceae	0.008147569	0.006801449	1.197916667
OTU_1760	1	Lachnospiracea_incertae_sedis	0.006110677	0.005951268	1.026785714
OTU_1762	1	Lachnospiracea_incertae_sedis	0.014258245	0.009777083	1.458333333
OTU_177	0.921286781	Clostridium_XIVb	0.01303611	0.017853803	0.73015873
OTU_1772	0.980292754	unclassified.Lachnospiraceae	0.056625603	0.061213038	0.92505787
OTU_1774	0.956277254	unclassified.Lachnospiraceae	0.013850867	0.00765163	1.810185185
OTU_1776	0.921286781	unclassified.Lachnospiraceae	0.12262091	0.205743823	0.595988292
OTU_178	0.921286781	Paraprevotella	0.024850085	0.057387223	0.433024691
OTU_1781	0.921286781	Clostridium_XIVa	0.024850085	0.024230161	1.025584795
OTU_179	0.921286781	unclassified.Ruminococcaceae	0.050107548	0.049735594	1.007478632
OTU_18	0.956277254	Parabacteroides	0.621659497	0.711601571	0.873606133
OTU_181	0.921286781	unclassified.Lachnospiraceae	0.023220571	0.027205795	0.853515625
OTU_182	0.956277254	unclassified.Ruminococcaceae	0.015073002	0.020404346	0.738715278
OTU_183	0.921286781	Eubacterium	0.035441924	0.045484688	0.779205607
OTU_186	0.881446127	unclassified.Ruminococcaceae	0.02607222	0.037833058	0.689138577
OTU_187	0.926920801	unclassified.Ruminococcaceae	0.02607222	0.049735594	0.524216524
OTU_1877	0.956277254	Blautia	0.070069091	0.050160684	1.396892655
OTU_189	0.921286781	Clostridium_XIVb	0.01303611	0.009351992	1.393939394
OTU_19	0.956277254	Coprococcus	0.235872116	0.253353964	0.930998322
OTU_1925	0.901452659	Clostridium_XIVb	0.023220571	0.00807672	2.875
OTU_1936	0.935195413	unclassified.Ruminococcaceae	0.010999218	0.005951268	1.848214286
OTU_196	0.921286781	Alistipes	0.032182897	0.04718505	0.682057057
OTU_197	0.926920801	Bacteroides	0.067624821	0.057387223	1.178395062
OTU_1977	0.921286781	Ruminococcus	0.071698605	0.079917022	0.897163121

OTU_199	0.991803299	unclassified.Clostridiales	0.034219789	0.022954889	1.490740741
OTU_2	0.935195413	Faecalibacterium	3.288766132	3.887453027	0.845995079
OTU_20	0.921286781	Clostridium_XI	0.364603702	0.784292054	0.464882565
OTU_200	0.921286781	unclassified.Lachnospiraceae	0.011813975	0.016153441	0.731359649
OTU_201	0.956277254	Bacteroides	0.018739408	0.036132696	0.518627451
OTU_2018	0.845931251	unclassified.Clostridiales	0.011813975	0.006801449	1.736979167
OTU_203	1	Clostridium_IV	0.039923087	0.026780704	1.490740741
OTU_205	1	Mogibacterium	0.016702516	0.019554165	0.854166667
OTU_206	0.848526055	unclassified.Ruminococcaceae	0.077401903	0.074390845	1.04047619
OTU_2064	1	Coprococcus	0.003666406	0.002125453	1.725
OTU_207	0.956277254	Flavonifractor	0.012221353	0.01530326	0.798611111
OTU_208	0.845931251	unclassified.Clostridiales	0.0207763	0.030606519	0.678819444
OTU_21	0.96598686	Clostridium_XIVa	0.177209621	0.229973984	0.770563771
OTU_212	0.845931251	Butyricimonas	0.028923869	0.045909779	0.630015432
OTU_213	0.921286781	Veillonella	0.079031417	0.029331248	2.694444444
OTU_214	0.845931251	Lachnospiraceae_incertae_sedis	0.01303611	0.058662495	0.222222222
OTU_216	0.956277254	unclassified.Clostridiales	0.02607222	0.022529799	1.157232704
OTU_217	0.956277254	unclassified.Clostridiales	0.021591057	0.022529799	0.958333333
OTU_218	0.956277254	Alistipes	0.015887759	0.019129074	0.830555556
OTU_22	0.956277254	Dorea	0.525110807	0.646987808	0.81162396
OTU_222	0.979875232	Peptococcus	0.005703298	0.005101087	1.118055556
OTU_223	1	Anaerorhabdus	0.004888541	0.018703984	0.261363636
OTU_226	0.956277254	Clostridium_IV	0.015073002	0.022529799	0.669025157
OTU_228	0.996835267	Faecalibacterium	0.037071438	0.013602897	2.725260417
OTU_229	0.881446127	unclassified.Clostridiales	0.037478816	0.057812314	0.648284314
OTU_23	0.921286781	unclassified.Ruminococcaceae	0.592735628	0.654214348	0.906026641
OTU_230	1	unclassified.Ruminococcaceae	0.053366575	0.057812314	0.92310049
OTU_231	1	unclassified.Lachnospiraceae	0.013443488	0.003400724	3.953125
OTU_234	0.921286781	Bacteroides	0.334865076	0.564095152	0.593632253
OTU_235	0.926920801	Barnesiella	0.00529592	0.010202173	0.519097222
OTU_237	1	Clostridium_XIVb	0.028109112	0.017853803	1.574404762
OTU_239	0.921286781	Streptococcus	0.622881632	0.479077043	1.300170068
OTU_24	0.991803299	Lachnospiraceae_incertae_sedis	0.593550385	0.716702658	0.828168248
OTU_240	0.935195413	unclassified.Coriobacteriaceae	0.017924651	0.019554165	0.916666667
OTU_241	0.881446127	Clostridium_XIVa	0.010591839	0.017003622	0.622916667
OTU_242	0.926920801	Lachnospiraceae_incertae_sedis	0.072105984	0.076516298	0.942361111
OTU_246	0.921286781	Pseudoflavonifractor	0.024442706	0.036982877	0.66091954
OTU_247	1	Alistipes	0.004888541	0.020829437	0.234693878
OTU_249	0.845931251	Peptoniphilus	0.029738626	0.009351992	3.179924242
OTU_25	0.935195413	Bifidobacterium	1.208284448	1.371767186	0.880823262
OTU_251	0.881446127	Bacteroides	0.768315735	1.212358232	0.633736559
OTU_259	1	Clostridium_IV	0.021998436	0.01530326	1.4375
OTU_26	0.926920801	Prevotella	3.078558858	4.481304518	0.686978277
OTU_261	0.921286781	unclassified.Clostridiales	0.005703298	0.00765163	0.74537037
OTU_262	1	Eggerthella	0.015480381	0.01572835	0.984234234
OTU_263	0.867454842	unclassified.Ruminococcaceae	0.006518055	0.014453079	0.450980392
OTU_269	1	unclassified.Clostridiales	0.0207763	0.011477445	1.810185185
OTU_27	0.935195413	Clostridium_sensu_stricto	0.343012645	0.527537365	0.65021488
OTU_274	0.991803299	Butyricoccus	0.015887759	0.014878169	1.067857143
OTU_275	0.956277254	Methanobrevibacter	0.009777083	0.009351992	1.045454545
OTU_277	0.935195413	Gemmiger	0.017924651	0.028055976	0.638888889
OTU_278	0.956277254	Coprococcus	0.012221353	0.014027988	0.871212121
OTU_279	0.992720848	unclassified.Ruminococcaceae	0.015073002	0.009777083	1.541666667
OTU_28	0.956277254	Haemophilus	1.216432017	1.254017106	0.970028249
OTU_283	0.956277254	Holdemania	0.006110677	0.009351992	0.653409091
OTU_288	1	Clostridium_XIVa	0.024035328	0.050160684	0.479166667

OTU_29	1	Bacteroides	0.164988268	0.389382939	0.423717249
OTU_290	0.926920801	Paraprevotella	0.024035328	0.021254527	1.130833333
OTU_291	1	Oscillibacter	0.008554947	0.013177807	0.649193548
OTU_293	0.921286781	unclassified.Ruminococcaceae	0.006925433	0.009351992	0.740530303
OTU_297	0.996835267	unclassified.Coriobacteriaceae	0.010999218	0.009351992	1.176136364
OTU_3	0.867454842	Bacteroides	4.519863773	5.860723334	0.771212616
OTU_30	0.845931251	Oscillibacter	0.79031417	1.092057608	0.723692747
OTU_300	0.956277254	Sporobacter	0.014258245	0.021254527	0.670833333
OTU_305	0.921286781	unclassified.Ruminococcaceae	0.010999218	0.016153441	0.680921053
OTU_306	0.926920801	Clostridium_IV	0.015073002	0.032731972	0.460497835
OTU_31	0.935195413	Bacteroides	0.51655586	0.721803744	0.715645858
OTU_314	0.935195413	unclassified.Clostridiales	0.01833203	0.014027988	1.306818182
OTU_32	0.948463697	Bacteroides	0.493335289	0.633384911	0.778887025
OTU_321	0.956277254	Lachnospiracea_incertae_sedis	0.034219789	0.038258149	0.894444444
OTU_322	0.845931251	Staphylococcus	0.041145222	0.010202173	4.032986111
OTU_324	0.881446127	Anaerotruncus	0.014665624	0.022954889	0.638888889
OTU_325	1	Clostridium_XIVa	0.009369704	0.009351992	1.001893939
OTU_327	0.996835267	Slackia	0.002851649	0.006801449	0.419270833
OTU_33	0.881446127	Sutterella	0.796424847	0.907993403	0.877126248
OTU_330	0.867454842	unclassified.Clostridiales	0.002444271	0.004675996	0.522727273
OTU_331	1	unclassified.Clostridiales	0.011406596	0.028481066	0.400497512
OTU_34	0.845931251	Halomonas	2.614962195	1.265919641	2.065662077
OTU_342	0.921286781	unclassified.Clostridiales	0.010184461	0.014453079	0.704656863
OTU_347	0.921286781	Victivallis	0.010184461	0.00765163	1.331018519
OTU_35	0.926920801	Bacteroides	0.63388085	0.842954549	0.751975122
OTU_351	0.935195413	unclassified.Clostridiales	0.030960761	0.040808692	0.758680556
OTU_354	0.867454842	Lachnospiracea_incertae_sedis	0.002444271	0.001700362	1.4375
OTU_355	0.881446127	unclassified.Coriobacteriaceae	0.006110677	0.011052354	0.552884615
OTU_357	0.991803299	Lachnospiracea_incertae_sedis	0.017924651	0.01530326	1.171296296
OTU_36	0.926920801	Streptococcus	0.719430322	0.430616721	1.670697598
OTU_360	0.845931251	Lachnospiracea_incertae_sedis	0.003259028	0.008926901	0.365079365
OTU_361	0.956277254	unclassified.Ruminococcaceae	0.00774019	0.008501811	0.910416667
OTU_366	0.956277254	unclassified.Ruminococcaceae	0.003259028	0.003825815	0.851851852
OTU_368	0.926920801	Anaerotruncus	0.008147569	0.013177807	0.61827957
OTU_37	0.992720848	Lachnospiracea_incertae_sedis	0.111621692	0.146656238	0.761111111
OTU_370	1	Alistipes	0.011813975	0.014453079	0.817401961
OTU_371	0.926920801	unclassified.Desulfovibrionaceae	0.00529592	0.009777083	0.541666667
OTU_373	1	Clostridium_IV	0.006110677	0.002125453	2.875
OTU_375	0.926920801	unclassified.Porphyrimonadaceae	0.061514144	0.057387223	1.07191358
OTU_378	0.956277254	Oscillibacter	0.009369704	0.005101087	1.836805556
OTU_38	0.921286781	Alistipes	0.252167253	0.532638452	0.473430434
OTU_380	1	Clostridium_IV	0.004073784	0.001700362	2.395833333
OTU_382	0.901452659	unclassified.Ruminococcaceae	0.000407378	0.001275272	0.319444444
OTU_385	1	Rothia	0.012628732	0.006376358	1.980555556
OTU_387	0.921286781	unclassified.Clostridiales	0.004888541	0.005526177	0.884615385
OTU_39	0.992720848	Lachnospiracea_incertae_sedis	0.258685308	0.288211389	0.897554081
OTU_397	0.935195413	Butyricimonas	0.03136814	0.021679618	1.446895425
OTU_4	0.926920801	Anaerostipes	0.598846304	0.65591471	0.912994167
OTU_40	0.845931251	Clostridium_XIVa	0.207355625	0.128802435	1.609873487
OTU_41	0.956277254	Clostridium_sensu_stricto	0.283535393	0.57769805	0.49080206
OTU_412	0.921286781	Butyricimonas	0.032590275	0.046334869	0.703363914
OTU_415	1	Prevotella	0.309607613	0.581948955	0.532018505
OTU_42	0.845931251	Clostridium_XI	0.400860383	0.612130384	0.654861111
OTU_43	0.921286781	Shewanella	1.610774345	0.763462618	2.109827394
OTU_430	0.956277254	Acetanaerobacterium	0.056218224	0.053136318	1.058
OTU_436	0.921286781	Actinomyces	0.018739408	0.012327626	1.520114943

OTU_438	1	Enterorhabdus	0.003666406	0.005101087	0.71875
OTU_44	0.881446127	Lachnospiracea_incertae_sedis	0.268462391	0.360051691	0.745621802
OTU_444	0.848526055	Pseudoflavonifractor	0.003259028	0.011052354	0.294871795
OTU_45	0.926920801	unclassified.Lachnospiraceae	0.473781124	0.538164629	0.880364666
OTU_456	0.921286781	Allisonella	0.012221353	0.026355614	0.463709677
OTU_457	0.921286781	Lachnospiracea_incertae_sedis	0.096141311	0.079917022	1.203014184
OTU_458	0.845931251	unclassified.Clostridiales	0.006110677	0.001275272	4.791666667
OTU_46	0.956277254	Klebsiella	0.591106114	0.975582799	0.605900508
OTU_468	1	unclassified.Ruminococcaceae	0.004481163	0.00765163	0.585648148
OTU_47	0.996835267	Clostridium_XVIII	0.150730022	0.107972998	1.395997375
OTU_470	1	unclassified.Oxalobacteraceae	0.007332812	0.012327626	0.594827586
OTU_48	1	Clostridium_XIVb	0.186171946	0.214670725	0.867244224
OTU_49	0.921286781	Fusobacterium	1.698768088	0.029756338	57.08928571
OTU_5	0.996835267	Lachnospiracea_incertae_sedis	1.134956329	1.399823162	0.810785505
OTU_502	1	unclassified.Clostridiales	0.005703298	0.004675996	1.21969697
OTU_507	0.958289831	Bacteroides	0.021998436	0.099896278	0.220212766
OTU_51	0.845931251	Sporobacter	0.181690783	0.2652565	0.684962607
OTU_52	0.881446127	Fusobacterium	1.258799374	0.001275272	987.0833333
OTU_53	1	Phascolarctobacterium	0.268462391	0.261005594	1.02856949
OTU_534	0.867454842	Desulfovibrio	0.009777083	0.008926901	1.095238095
OTU_535	0.935195413	Clostridium_XIVa	0.008962326	0.028481066	0.314676617
OTU_536	1	Bacteroides	0.084734715	0.084167928	1.006734007
OTU_54	0.921286781	Clostridium_XIVa	0.048070656	0.066314125	0.724893162
OTU_545	0.881446127	Erysipelotrichaceae_incertae_sedis	0.006518055	0.003400724	1.916666667
OTU_55	0.935195413	Bifidobacterium	0.293312476	0.208294367	1.408163265
OTU_555	0.921286781	Alistipes	0.035849303	0.041658873	0.860544218
OTU_56	0.926920801	Sutterella	0.206540868	0.20319328	1.016474895
OTU_57	1	unclassified.Clostridiales	0.374380785	0.259305232	1.443784153
OTU_58	0.935195413	Desulfovibrio	0.148285752	0.364727687	0.406565657
OTU_580	0.845931251	Oscillibacter	0.002444271	0.005526177	0.442307692
OTU_586	0.956277254	Clostridium_XIVa	0.043996871	0.020404346	2.15625
OTU_59	0.845931251	Ruminococcus	0.732466432	0.958154087	0.764455782
OTU_593	0.921286781	Clostridium_XVIII	0.038700952	0.012752716	3.034722222
OTU_6	0.935195413	Escherichia_Shigella	5.222591579	3.289775722	1.587522074
OTU_60	0.845931251	Oscillibacter	0.137286534	0.191715835	0.716093865
OTU_603	0.926920801	Lachnospiracea_incertae_sedis	0.085549472	0.096070463	0.890486726
OTU_61	0.921286781	Streptococcus	0.987077956	0.165785312	5.953952991
OTU_62	0.956277254	Bacteroides	0.419192413	0.705650304	0.594051205
OTU_627	1	unclassified.Bacteroidetes	0.029331248	0.009351992	3.136363636
OTU_63	0.845931251	Lachnospiracea_incertae_sedis	0.068439578	0.108398089	0.631372549
OTU_639	0.956277254	Clostridium_XIVa	0.086771607	0.049310503	1.759698276
OTU_64	0.845931251	Ruminococcus	0.216725329	0.367703321	0.589402697
OTU_65	0.921286781	Flavonifractor	0.099400339	0.158133682	0.628584229
OTU_66	0.921286781	Coprococcus	0.490076261	0.28098485	1.74413767
OTU_673	1	Lachnospiracea_incertae_sedis	0.054181332	0.060362857	0.897593897
OTU_678	0.848526055	Clostridium_XIVa	0.002851649	0.009777083	0.291666667
OTU_68	0.921286781	Dialister	0.115288098	0.21849654	0.527642672
OTU_681	0.956277254	Veillonella	0.017517273	0.008926901	1.962301587
OTU_689	0.95312528	Clostridium_sensu_stricto	0.069254335	0.059087586	1.17206235
OTU_69	0.921286781	unclassified.Ruminococcaceae	0.213058923	0.240601248	0.885527091
OTU_7	1	Akkermansia	2.273171686	2.863409906	0.793868765
OTU_70	0.956277254	Clostridium_IV	0.268055012	0.228698713	1.17208798
OTU_702	0.921286781	Clostridium_XIVa	0.170284187	0.137729336	1.236368313
OTU_71	0.926920801	Bacteroides	0.175172728	0.227423441	0.770249221
OTU_72	1	Odoribacter	0.293719854	0.233799799	1.256287879
OTU_721	0.921286781	Clostridium_XIVa	0.010591839	0.029331248	0.361111111

OTU_727	1	unclassified.Lachnospiraceae	0.000814757	0.000850181	0.958333333
OTU_731	0.845931251	Blautia	0.467670447	0.64826308	0.721420765
OTU_738	0.996835267	Lachnospiraceae_incertae_sedis	0.056218224	0.047610141	1.180803571
OTU_74	0.921286781	Parvimonas	0.612697171	0.13305334	4.604898829
OTU_745	0.921286781	Erysipelotrichaceae_incertae_sedis	0.112029071	0.121575896	0.921474359
OTU_75	0.991803299	Barnesiella	0.546294486	0.57812314	0.944944853
OTU_751	1	Lachnospiraceae_incertae_sedis	0.017109894	0.016578531	1.032051282
OTU_755	0.921286781	Lachnospiraceae_incertae_sedis	0.0207763	0.028055976	0.740530303
OTU_76	0.921286781	Clostridium_IV	0.14869313	0.173011852	0.859438984
OTU_761	1	Lachnospiraceae_incertae_sedis	0.030960761	0.036557787	0.846899225
OTU_77	0.935195413	Bilophila	0.119361882	0.141980242	0.840693613
OTU_78	1	Enterococcus	0.241575414	0.445919981	0.541746107
OTU_782	0.956277254	Alistipes	0.016295138	0.019129074	0.851851852
OTU_784	0.901452659	unclassified.Clostridiales	0.011406596	0.013602897	0.838541667
OTU_788	0.921286781	Lachnospiraceae_incertae_sedis	0.216317951	0.248252878	0.871361301
OTU_79	0.992720848	Clostridium_XIVa	0.154803807	0.15600823	0.992279746
OTU_790	0.956277254	Akkermansia	0.003666406	0.008501811	0.43125
OTU_8	0.921286781	Roseburia	0.482743449	0.514359559	0.938533058
OTU_802	1	Faecalibacterium	1.601812019	1.683358555	0.951557239
OTU_809	0.935195413	Lachnospiraceae_incertae_sedis	0.011406596	0.017003622	0.670833333
OTU_81	1	unclassified.Ruminococcaceae	0.088401121	0.104997364	0.841936572
OTU_82	0.956277254	Prevotella	0.448931039	0.467599599	0.960075758
OTU_822	0.845931251	Flavonifractor	0.003666406	0.009351992	0.392045455
OTU_83	1	Lachnospiraceae_incertae_sedis	0.343827402	0.302239377	1.137599625
OTU_830	1	Lachnospiraceae_incertae_sedis	0.009369704	0.010627264	0.881666667
OTU_837	0.956277254	unclassified.Lachnospiraceae	0.052551819	0.074815936	0.702414773
OTU_84	0.956277254	unclassified.Clostridiales	0.159284969	0.080767203	1.972149123
OTU_843	1	Prevotella	0.027294355	0.048885413	0.558333333
OTU_856	0.956277254	Bacteroides	0.139730804	0.326894629	0.427449068
OTU_86	1	unclassified.Rhodospirillaceae	0.012628732	0.033157062	0.380876068
OTU_869	0.935195413	Actinomyces	0.010591839	0.009777083	1.083333333
OTU_87	1	Alistipes	0.106733151	0.083317747	1.281037415
OTU_877	0.956277254	Lachnospiraceae_incertae_sedis	0.029331248	0.019129074	1.533333333
OTU_88	0.935195413	Barnesiella	0.041959979	0.071415211	0.587549603
OTU_884	0.956277254	unclassified.Ruminococcaceae	0.040737844	0.037833058	1.076779026
OTU_888	0.956277254	Lachnospiraceae_incertae_sedis	0.009369704	0.014453079	0.648284314
OTU_89	0.881446127	Streptococcus	0.353604484	0.010202173	34.65972222
OTU_9	0.845931251	Bacteroides	2.317168557	1.190678615	1.946090682
OTU_92	0.992720848	unclassified.Ruminococcaceae	0.120584018	0.123276258	0.97816092
OTU_922	0.921286781	Lachnospiraceae_incertae_sedis	0.00774019	0.004675996	1.65530303
OTU_930	0.956277254	unclassified.Lachnospiraceae	0.012221353	0.01572835	0.777027027
OTU_94	0.845931251	Collinsella	0.125472559	0.192140926	0.653023599
OTU_949	0.921286781	Bacteroides	0.011406596	0.009351992	1.21969697
OTU_96	0.881446127	Acetanaerobacterium	0.098992961	0.134328612	0.736946203
OTU_960	1	unclassified.Lachnospiraceae	0.42530309	0.40638656	1.046548117
OTU_962	0.956277254	Lachnospiraceae_incertae_sedis	0.03910833	0.04718505	0.828828829
OTU_968	0.967242042	Clostridium_XIVa	0.115288098	0.122426077	0.941695602
OTU_969	0.926920801	Clostridium_IV	0.016702516	0.01530326	1.091435185
OTU_97	0.956277254	Flavonifractor	0.110399557	0.115624628	0.954810049
OTU_972	0.935195413	Coprococcus	0.003259028	0.003400724	0.958333333
OTU_98	0.921286781	Ruminococcus	0.09654869	0.073115574	1.320494186
OTU_988	0.921286781	Dorea	0.039923087	0.049735594	0.802706553
OTU_989	0.921286781	Lachnospiraceae_incertae_sedis	0.004073784	0.006376358	0.638888889
OTU_99	0.921286781	unclassified.Lachnospiraceae	0.039923087	0.052711227	0.757392473
OTU_997	0.921286781	Oscillibacter	0.010591839	0.014453079	0.732843137
OTU_998	0.956277254	Oscillibacter	0.019961543	0.03103161	0.64326484