

Supplementary Table 8: Wilcoxon-rank sum test with continuity correction (OTUs) between patients with left and right sided cancers

	padjust	Genus	mean distal [%]	mean proximal [%]	ratio
OTU_6	0.397976475	Escherichia_Shigella	5.061019023	2.992764959	1.691084697
OTU_3	0.984353789	Bacteroides	4.941187088	4.230543606	1.167979236
OTU_14	0.157632443	Bacteroides	4.539073233	0.932733672	4.866419395
OTU_10	0.821630202	Roseburia	3.748383021	4.954047712	0.756630384
OTU_7	0.080926265	Akkermansia	3.584428868	0.585647243	6.120457172
OTU_2	0.4960557	Faecalibacterium	3.312676113	3.882479468	0.853237252
OTU_34	0.004542244	Halomonas	3.100087242	0.090926867	34.0942928
OTU_1	0.637035629	Blautia	2.230678981	2.92530309	0.762546277
OTU_43	0.028253767	Shewanella	1.760877631	0.052796246	33.35232669
OTU_49	0.612667787	Fusobacterium	1.56132487	1.032459914	1.512237762
OTU_5	0.29523141	Lachnospiracea_incertainae_sedis	1.552801259	0.675596402	2.298415526
OTU_52	0.691720956	Fusobacterium	1.542773483	0.012710207	121.3806706
OTU_26	0.715916941	Prevotella	1.503163764	7.274149394	0.20664461
OTU_25	0.190490813	Bifidobacterium	1.4700721	0.273758311	5.36996337
OTU_9	0.542333704	Bacteroides	1.452022101	2.996675792	0.484544276
OTU_142	0.4960557	Gemmiger	1.250965174	1.013883457	1.233835274
OTU_802	0.03226907	Faecalibacterium	1.160213792	2.429605006	0.477531858
OTU_28	0.157632443	Haemophilus	1.10907213	0.780211185	1.421502474
OTU_30	0.372246584	Oscillibacter	1.012805471	0.507430583	1.995948817
OTU_59	0.443628969	Ruminococcus	0.985730473	0.524051623	1.880979717
OTU_61	0.542976388	Streptococcus	0.967680475	0.522096206	1.853452415
OTU_251	0.924252914	Bacteroides	0.941106866	0.852561596	1.103857916
OTU_17	0.748402385	Bacteroides	0.855369373	2.229174814	0.3837157
OTU_18	0.209061723	Parabacteroides	0.831804097	0.288423934	2.883963494
OTU_148	0.746483198	Porphyromonas	0.82177632	0.082127493	10.00610501
OTU_1174	0.919708769	Blautia	0.819269376	0.614000782	1.334313245
OTU_132	0.884406359	Pseudomonas	0.811247155	0.167188111	4.852301694
OTU_109	0.952318277	Blautia	0.732027717	0.940555338	0.778293086
OTU_1250	0.157632443	Faecalibacterium	0.723002718	1.065701995	0.678428605
OTU_24	0.715916941	Lachnospiracea_incertainae_sedis	0.719492996	0.567070786	1.268788683
OTU_15	0.858388246	Coprococcus	0.711470774	0.751857646	0.946283885
OTU_1266	0.59300938	unclassified.Lachnospiraceae	0.707459663	0.657997654	1.075170496
OTU_100	0.5405709	Granulicatella	0.667348555	0.060617912	11.00909843
OTU_74	0.715916941	Parvimonas	0.651304112	0.200430192	3.249530957
OTU_62	0.765824241	Bacteroides	0.603672172	0.456589754	1.322132543
OTU_23	0.924252914	unclassified.Ruminococcaceae	0.60016245	0.548494329	1.094199918
OTU_239	0.821630202	Streptococcus	0.579605507	0.687328901	0.843272422
OTU_22	0.811630363	Dorea	0.570580508	0.507430583	1.124450373
OTU_4	0.811630363	Anaerostipes	0.551026343	0.789988268	0.697512059
OTU_16	0.898301358	Alistipes	0.524954123	0.487876418	1.07599815
OTU_731	0.999343137	Blautia	0.523449956	0.555338287	0.942578548
OTU_1296	0.894469047	Faecalibacterium	0.517934679	0.440946422	1.17459776
OTU_31	0.700831986	Bacteroides	0.503394402	0.524051623	0.960581707
OTU_13	0.254136629	Gemmiger	0.484341626	0.775322644	0.624696867
OTU_45	0.770712759	unclassified.Lachnospiraceae	0.484341626	0.41943684	1.154742693
OTU_105	0.734473678	Peptostreptococcus	0.480330516	0.474188502	1.012952683
OTU_36	0.328113159	Streptococcus	0.454759684	0.857450137	0.530362834
OTU_89	0.190490813	Streptococcus	0.433199964	0.008799374	49.23076923
OTU_57	0.715916941	unclassified.Clostridiales	0.427684687	0.241493938	1.770995536
OTU_42	0.241122933	Clostridium_XI	0.423673576	0.541650372	0.782190132

OTU_11	0.692954167	Lachnospiracea_incertae_sedis	0.41765691	1.391278842	0.300196407
OTU_415	0.916789215	Prevotella	0.396097189	0.886781384	0.446668363
OTU_71	0.272197715	Bacteroides	0.389579134	0.023464998	16.6025641
OTU_120	0.243111212	Anaerococcus	0.381556913	0.002933125	130.0854701
OTU_72	0.194812603	Odoribacter	0.375038858	0.119280407	3.144178226
OTU_53	0.127027536	Phascolarctobacterium	0.36099997	0.052796246	6.837606838
OTU_101	0.919708769	Parasutterella	0.358493026	0.118302698	3.03030303
OTU_75	0.811412313	Barnesiella	0.357991637	0.84473993	0.423789174
OTU_58	0.715916941	Desulfovibrio	0.342448583	0.03910833	8.756410256
OTU_66	0.954261253	Coprococcus	0.340944416	0.574892452	0.593057736
OTU_64	0.98017713	Ruminococcus	0.332420806	0.293312476	1.133333333
OTU_158	0.727512488	Solobacterium	0.332420806	0.067461869	4.927536232
OTU_8	0.305453714	Roseburia	0.323395806	0.63746578	0.507314771
OTU_33	0.144473791	Sutterella	0.318883307	1.736409855	0.183645184
OTU_82	0.662414785	Prevotella	0.318883307	0.671685569	0.474750868
OTU_141	0.902133659	Gemella	0.314370807	0.091904576	3.420621931
OTU_56	0.097169589	Sutterella	0.314370807	0.038130622	8.244575937
OTU_55	0.243075923	Bifidobacterium	0.312365252	0.147633946	2.115809136
OTU_1415	0.265811088	Clostridium_XIVa	0.310861085	0.479077043	0.648874935
OTU_152	0.190490813	Alistipes	0.307852752	0.188697693	1.631460077
OTU_70	0.4960557	Clostridium_IV	0.307351363	0.166210403	1.849170437
OTU_19	0.98634158	Coprococcus	0.303340252	0.182831443	1.659125189
OTU_113	0.542333704	Lachnospiracea_incertae_sedis	0.297824975	0.457567462	0.650887574
OTU_234	0.981780033	Bacteroides	0.295318031	0.533828706	0.553207476
OTU_20	0.175929321	Clostridium_XI	0.290805531	0.594446617	0.489203779
OTU_104	0.33263644	unclassified.Clostridiales	0.28278331	0.009777083	28.92307692
OTU_40	0.276687941	Clostridium_XIVa	0.27827081	0.043019163	6.468531469
OTU_69	0.631577327	unclassified.Ruminococcaceae	0.275262477	0.040086038	6.866791745
OTU_38	0.190490813	Alistipes	0.270248589	0.175009777	1.544191377
OTU_171	0.578003277	Phascolarctobacterium	0.258716645	0.258114978	1.002331002
OTU_83	0.385333001	Lachnospiracea_incertae_sedis	0.254705534	0.462456003	0.550767062
OTU_960	0.157632443	unclassified.Lachnospiraceae	0.253201368	0.713727024	0.354759396
OTU_21	0.784379183	Clostridium_XIVa	0.248187479	0.153500196	1.616854483
OTU_29	0.74845128	Bacteroides	0.242672202	0.169143528	1.434711724
OTU_51	0.964672373	Sporobacter	0.241669424	0.105592491	2.288698955
OTU_39	0.907620767	Lachnospiracea_incertae_sedis	0.241168035	0.453656629	0.531609195
OTU_115	0.715916941	Clostridium_IV	0.238661091	0.101681658	2.347140039
OTU_35	0.834232861	Bacteroides	0.230137481	1.407899883	0.163461538
OTU_44	0.275876036	Lachnospiracea_incertae_sedis	0.227630537	0.423347673	0.537691716
OTU_123	0.921531107	Catenibacterium	0.225624981	0.092882284	2.429149798
OTU_144	0.715916941	Dialister	0.224120815	0.248337896	0.902483343
OTU_32	0.8736054	Bacteroides	0.218605537	1.028549081	0.212537779
OTU_84	0.950852838	unclassified.Clostridiales	0.216599982	0.013687916	15.82417582
OTU_788	0.266492933	Lachnospiracea_incertae_sedis	0.211084705	0.30211185	0.698697204
OTU_76	0.39476256	Clostridium_IV	0.211084705	0.046929996	4.497863248
OTU_856	0.914388878	Bacteroides	0.205068038	0.144700821	1.417186417
OTU_27	0.028253767	Clostridium_sensu_stricto	0.181001374	0.693195151	0.261111714
OTU_1317	0.4960557	Clostridium_XIVa	0.181001374	0.019554165	9.256410256
OTU_1475	0.961349296	Blautia	0.177993041	0.102659366	1.733821734
OTU_1725	0.243075923	Clostridium_XIVa	0.175987485	0.023464998	7.5
OTU_121	0.74845128	unclassified.Rhodospirillales	0.170973597	0.043019163	3.974358974
OTU_94	0.397976475	Collinsella	0.167463875	0.093859992	1.784188034
OTU_1707	0.273059776	Blautia	0.16094582	0.315799765	0.509645154
OTU_96	0.715916941	Acetanaerobacterium	0.157937487	0.032264372	4.895104895
OTU_1776	0.496230407	unclassified.Lachnospiraceae	0.153424987	0.199452483	0.769230769

OTU_41	0.243075923	Clostridium_sensu_stricto	0.148912488	0.384239343	0.38755138
OTU_103	0.533629122	unclassified.Firmicutes	0.147408321	0.150567071	0.979020979
OTU_108	0.190490813	Bifidobacterium	0.144901377	0.006843958	21.17216117
OTU_128	0.700831986	Blautia	0.14339721	0.167188111	0.857699805
OTU_702	0.850184501	Clostridium_XIVa	0.141391655	0.182831443	0.773344303
OTU_1011	0.598362736	unclassified.Ruminococcaceae	0.138884711	0.0948377	1.464446207
OTU_77	0.397976475	Bilophila	0.138383322	0.101681658	1.360946746
OTU_1358	0.008592689	Clostridium_sensu_stricto	0.135876378	0.634532655	0.214136146
OTU_48	0.908351113	Clostridium_XIVb	0.135374989	0.249315604	0.542986425
OTU_87	0.668384469	Alistipes	0.135374989	0.013687916	9.89010989
OTU_65	0.479418929	Flavonifractor	0.128355545	0.043019163	2.983682984
OTU_47	0.80108633	Clostridium_XVIII	0.126349989	0.175009777	0.721959605
OTU_37	0.685151334	Lachnospiracea_incertae_sedis	0.126349989	0.128079781	0.986494422
OTU_68	0.268998924	Dialister	0.125848601	0.185764568	0.677462888
OTU_97	1	Flavonifractor	0.124344434	0.093859992	1.324786325
OTU_135	0.591028055	Ruminococcus	0.123843045	0.098748533	1.254125413
OTU_60	0.282961312	Oscillibacter	0.122840268	0.174032069	0.705848459
OTU_139	0.385626641	unclassified.Bacteroidetes	0.11732499	0.030308956	3.870967742
OTU_1718	0.894469047	Dorea	0.113313879	0.076261244	1.485864563
OTU_745	0.914388878	Erysipelotrichaceae_incertae_sedis	0.110305546	0.133946031	0.823507393
OTU_145	0.794559916	Lachnospiracea_incertae_sedis	0.109804158	0.054751662	2.005494505
OTU_1277	0.190490813	unclassified.Lachnospiraceae	0.109302769	0.108525616	1.007161007
OTU_1320	0.068721314	Clostridium_XIVa	0.105291658	0.224872898	0.468227425
OTU_603	0.879881302	Lachnospiracea_incertae_sedis	0.098773603	0.050840829	1.942800789
OTU_1228	0.821630202	unclassified.Lachnospiraceae	0.098272214	0.127102073	0.773175542
OTU_968	0.727512488	Clostridium_XIVa	0.097269436	0.14567853	0.667699191
OTU_206	0.351752068	unclassified.Ruminococcaceae	0.096266659	0.00586625	16.41025641
OTU_1010	0.542333704	Bifidobacterium	0.09576527	0.046929996	2.040598291
OTU_79	0.103381304	Clostridium_XIVa	0.093759714	0.246382479	0.380545381
OTU_1078	0.701687718	Clostridium_sensu_stricto	0.093759714	0.062573328	1.498397436
OTU_81	0.449311163	unclassified.Ruminococcaceae	0.09125277	0.099726242	0.91503268
OTU_136	0.765824241	Turicibacter	0.088745826	0.042041455	2.110912343
OTU_1977	0.748496295	Ruminococcus	0.086238882	0.080172077	1.075672295
OTU_536	0.85166372	Bacteroides	0.085737493	0.106570199	0.804516584
OTU_149	0.496230407	Lachnospiracea_incertae_sedis	0.083731937	0.077238952	1.084063616
OTU_98	0.211590143	Ruminococcus	0.081726382	0.163277278	0.500537387
OTU_107	0.255004452	Oscillibacter	0.081726382	0.032264372	2.533022533
OTU_92	0.898301358	unclassified.Ruminococcaceae	0.080723604	0.170121236	0.474506337
OTU_106	0.504683503	Butyricoccus	0.079720827	0.113414157	0.702917772
OTU_507	0.715916941	Bacteroides	0.079219438	0.003910833	20.25641026
OTU_63	0.932882038	Lachnospiracea_incertae_sedis	0.078718049	0.059640203	1.319882303
OTU_143	0.127027536	Alistipes	0.07821666	0.010754791	7.272727273
OTU_134	0.265811088	unclassified.Ruminococcaceae	0.07821666	0.009777083	8
OTU_112	0.243111212	unclassified.Ruminococcaceae	0.072199994	0.067461869	1.070234114
OTU_430	0.862806939	Acetanaerobacterium	0.072199994	0.048885413	1.476923077
OTU_197	0.684016646	Bacteroides	0.070194439	0.026398123	2.659069326
OTU_213	0.04733459	Veillonella	0.062673606	0.063551036	0.986193294
OTU_1476	0.760861016	Lachnospiracea_incertae_sedis	0.061670828	0.073328119	0.841025641
OTU_178	0.914388878	Paraprevotella	0.061169439	0.02248729	2.720178372
OTU_78	0.668384469	Enterococcus	0.060166662	0.462456003	0.130102456
OTU_179	0.811412313	unclassified.Ruminococcaceae	0.059665273	0.02248729	2.65328874
OTU_375	0.494952898	unclassified.Porphyrimonadaceae	0.059163884	0.089949159	0.657748049
OTU_457	0.385626641	Lachnospiracea_incertae_sedis	0.058161106	0.171098944	0.33992674
OTU_165	0.534247591	unclassified.Alphaproteobacteria	0.057659717	0.006843958	8.424908425
OTU_242	0.427492185	Lachnospiracea_incertae_sedis	0.054651384	0.093859992	0.582264957

OTU_161	0.999343137	unclassified.Ruminococcaceae	0.054651384	0.05572937	0.98065677
OTU_140	0.804912688	Howardella	0.054651384	0.043996871	1.242165242
OTU_1396	0.385626641	Blautia	0.054149995	0.057684787	0.938722295
OTU_229	0.651716242	unclassified.Clostridiales	0.053648607	0.002933125	18.29059829
OTU_1877	0.297208974	Blautia	0.053147218	0.082127493	0.647130647
OTU_203	0.268998924	Clostridium_IV	0.052645829	0.000977708	53.84615385
OTU_163	0.784379183	unclassified.Clostridiales	0.051643051	0.080172077	0.644152595
OTU_162	0.879881302	unclassified.Sutterellaceae	0.051643051	0.025420415	2.031558185
OTU_1523	0.265811088	Bacteroides	0.050138885	0.003910833	12.82051282
OTU_322	0.268998924	Staphylococcus	0.050138885	0.003910833	12.82051282
OTU_1267	0.328113159	unclassified.Lachnospiraceae	0.049637496	0.05572937	0.890688259
OTU_99	0.730912265	unclassified.Lachnospiraceae	0.049637496	0.030308956	1.637717122
OTU_183	0.207600418	Eubacterium	0.049637496	0.014665624	3.384615385
OTU_1111	0.850184501	unclassified.Lachnospiraceae	0.046629163	0.0948377	0.491673275
OTU_673	0.369696165	Lachnospiraceae_incertae_sedis	0.046629163	0.058662495	0.794871795
OTU_884	0.884406359	unclassified.Ruminococcaceae	0.046629163	0.033242081	1.402714932
OTU_1283	0.761027133	Anaerostipes	0.046127774	0.037152914	1.241565452
OTU_88	0.961349296	Barnesiella	0.045626385	0.051818537	0.880503145
OTU_1232	0.397976475	Lachnospiraceae_incertae_sedis	0.045626385	0.030308956	1.505376344
OTU_962	0.715916941	Lachnospiraceae_incertae_sedis	0.045124996	0.026398123	1.709401709
OTU_1256	0.821630202	Lachnospiraceae_incertae_sedis	0.045124996	0.003910833	11.53846154
OTU_125	0.542333704	unclassified.Clostridiales	0.044623607	0.006843958	6.52014652
OTU_1090	0.542976388	Coprococcus	0.042116663	0.028353539	1.485411141
OTU_196	0.273059776	Alistipes	0.042116663	0.009777083	4.307692308
OTU_166	0.902261332	unclassified.Clostridiales	0.041113885	0.034219789	1.201465201
OTU_412	0.454028586	Butyricimonas	0.041113885	0.028353539	1.450044209
OTU_555	0.826358506	Alistipes	0.041113885	0.007821666	5.256410256
OTU_212	0.177341806	Butyricimonas	0.041113885	0.004888541	8.41025641
OTU_593	0.879881302	Clostridium_XVIII	0.040111108	0.014665624	2.735042735
OTU_738	0.33263644	Lachnospiraceae_incertae_sedis	0.03910833	0.093859992	0.416666667
OTU_46	0.718738487	Klebsiella	0.037604164	1.344348846	0.027972028
OTU_1749	1	Clostridium_XIVa	0.037604164	0.042041455	0.894454383
OTU_351	0.496230407	unclassified.Clostridiales	0.037604164	0.011732499	3.205128205
OTU_988	0.265811088	Dorea	0.036601386	0.047907704	0.763997907
OTU_249	0.243075923	Peptoniphilus	0.036601386	0	Inf
OTU_1772	0.218914448	unclassified.Lachnospiraceae	0.036099997	0.107547908	0.335664336
OTU_167	0.723781119	Flavonifractor	0.036099997	0.040086038	0.900562852
OTU_306	0.293554775	Clostridium_IV	0.035598608	0.001955417	18.20512821
OTU_397	0.631132582	Butyricimonas	0.03459583	0.021509582	1.608391608
OTU_331	0.718738487	unclassified.Clostridiales	0.03459583	0.009777083	3.538461538
OTU_187	0.370168009	unclassified.Ruminococcaceae	0.033593053	0.018576457	1.808367072
OTU_199	0.790013691	unclassified.Clostridiales	0.033593053	0.01662104	2.021116139
OTU_216	0.542333704	unclassified.Clostridiales	0.033593053	0.003910833	8.58974359
OTU_12	0.821630202	Coprococcus	0.031587497	0.042041455	0.751341682
OTU_218	0.080926265	Alistipes	0.031587497	0.000977708	32.30769231
OTU_246	0.268998924	Pseudoflavonifractor	0.031086109	0.009777083	3.179487179
OTU_290	0.760861016	Paraprevotella	0.031086109	0.007821666	3.974358974
OTU_114	0.053041294	Flavonifractor	0.03058472	0.10070395	0.303709236
OTU_877	0.932882038	Lachnospiraceae_incertae_sedis	0.030083331	0.017598749	1.709401709
OTU_1524	0.907620767	Bacteroides	0.030083331	0.01662104	1.809954751
OTU_131	0.998411222	Erysipelotrichaceae_incertae_sedis	0.029581942	0.012710207	2.327416174
OTU_1395	0.631717959	unclassified.Lachnospiraceae	0.029080553	0.069417286	0.418923799
OTU_627	0.999343137	unclassified.Bacteroidetes	0.029080553	0.018576457	1.565452092
OTU_116	0.55576368	Parabacteroides	0.029080553	0.015643332	1.858974359
OTU_1548	0.809288104	unclassified.Ruminococcaceae	0.029080553	0.006843958	4.249084249

OTU_122	0.811630363	Bacteroides	0.028579164	0.22389519	0.12764528
OTU_269	0.181538836	unclassified.Clostridiales	0.028579164	0	Inf
OTU_837	0.190490813	unclassified.Lachnospiraceae	0.028077775	0.115369574	0.243372447
OTU_54	0.004542244	Clostridium_XIVa	0.028077775	0.092882284	0.302294197
OTU_1331	0.157632443	Blautia	0.027576387	0.06159562	0.447700448
OTU_1063	0.998411222	unclassified.Ruminococcaceae	0.027074998	0.026398123	1.025641026
OTU_173	0.668384469	unclassified.Clostridiales	0.027074998	0.00586625	4.615384615
OTU_1068	0.243111212	Flavonifractor	0.02607222	0.008799374	2.962962963
OTU_126	0.631717959	unclassified.Deltaproteobacteria	0.02607222	0.000977708	26.66666667
OTU_761	0.790013691	Lachnospiraceae_incertae_sedis	0.025069442	0.058662495	0.427350427
OTU_208	0.493353205	unclassified.Clostridiales	0.025069442	0.014665624	1.709401709
OTU_1756	0.254136629	Blautia	0.024568054	0.043019163	0.571095571
OTU_259	0.850184501	Clostridium_IV	0.024568054	0.00586625	4.188034188
OTU_247	0.329742858	Alistipes	0.024066665	0.000977708	24.61538462
OTU_314	0.268998924	unclassified.Clostridiales	0.023565276	0.00586625	4.017094017
OTU_86	0.892641475	unclassified.Rhodospirillaceae	0.023565276	0.004888541	4.820512821
OTU_226	0.268998924	Clostridium_IV	0.023565276	0.002933125	8.034188034
OTU_277	0.202772863	Gemmiger	0.023565276	0	Inf
OTU_321	0.280768751	Lachnospiraceae_incertae_sedis	0.023063887	0.053773954	0.428904429
OTU_969	0.385626641	Clostridium_IV	0.023063887	0.002933125	7.863247863
OTU_214	0.351752068	Lachnospiraceae_incertae_sedis	0.023063887	0.001955417	11.79487179
OTU_689	0.157632443	Clostridium_sensu_stricto	0.022562498	0.141767697	0.159151194
OTU_240	0.902433444	unclassified.Coriobacteriaceae	0.022562498	0.013687916	1.648351648
OTU_436	0.397976475	Actinomyces	0.022562498	0.002933125	7.692307692
OTU_217	0.690878776	unclassified.Clostridiales	0.022061109	0.031286664	0.705128205
OTU_133	0.273349654	unclassified.Clostridiales	0.02155972	0.034219789	0.63003663
OTU_300	0.38731028	Sporobacter	0.021058332	0.00586625	3.58974359
OTU_262	0.243111212	Eggerthella	0.021058332	0.003910833	5.384615385
OTU_297	0.254136629	unclassified.Coriobacteriaceae	0.021058332	0.001955417	10.76923077
OTU_1279	0.136760335	Lachnospiraceae_incertae_sedis	0.020556943	0.05572937	0.368870895
OTU_205	0.954261253	Mogibacterium	0.020556943	0.01662104	1.236802413
OTU_1370	0.668384469	Blautia	0.020055554	0.017598749	1.13960114
OTU_534	0.243075923	Desulfovibrio	0.019554165	0	Inf
OTU_843	0.157632443	Prevotella	0.019052776	0.049863121	0.382101559
OTU_639	0.211590143	Clostridium_XIVa	0.018049998	0.189675401	0.095162569
OTU_1204	0.821630202	Flavonifractor	0.018049998	0.014665624	1.230769231
OTU_456	0.295836348	Allisonella	0.017047221	0.038130622	0.447074293
OTU_721	0.35521593	Clostridium_XIVa	0.017047221	0.001955417	8.717948718
OTU_755	0.127027536	Lachnospiraceae_incertae_sedis	0.016545832	0.032264372	0.512820513
OTU_200	0.746483198	unclassified.Lachnospiraceae	0.016545832	0.006843958	2.417582418
OTU_1262	0.127027536	Lachnospiraceae_incertae_sedis	0.016044443	0.051818537	0.309627479
OTU_186	0.832745917	unclassified.Ruminococcaceae	0.016044443	0.036175205	0.443520444
OTU_1303	0.190490813	Coprococcus	0.016044443	0.034219789	0.468864469
OTU_182	0.748402385	unclassified.Ruminococcaceae	0.016044443	0.017598749	0.911680912
OTU_177	0.999343137	Clostridium_XIVb	0.016044443	0.011732499	1.367521368
OTU_110	0.919708769	Clostridium_IV	0.015543054	0.017598749	0.883190883
OTU_324	0.908351113	Anaerotruncus	0.015543054	0.015643332	0.993589744
OTU_368	0.574824855	Anaerotruncus	0.015543054	0.004888541	3.179487179
OTU_370	0.715916941	Alistipes	0.015041665	0.006843958	2.197802198
OTU_231	0.999343137	unclassified.Lachnospiraceae	0.015041665	0.004888541	3.076923077
OTU_230	0.202772863	unclassified.Ruminococcaceae	0.014540277	0.118302698	0.122907396
OTU_228	0.952318277	Faecalibacterium	0.014540277	0.071372702	0.203723217
OTU_288	0.784379183	Clostridium_XIVa	0.014540277	0.041063747	0.354090354
OTU_385	0.954261253	Rothia	0.014540277	0.003910833	3.717948718
OTU_291	0.175929321	Oscillibacter	0.014540277	0.000977708	14.87179487

OTU_1229	0.139437903	Lachnospiracea_incertae_sedis	0.014038888	0.054751662	0.256410256
OTU_181	0.718738487	unclassified.Lachnospiraceae	0.014038888	0.034219789	0.41025641
OTU_1712	0.494853406	Lachnospiracea_incertae_sedis	0.014038888	0.024442706	0.574358974
OTU_470	0.265811088	unclassified.Oxalobacteraceae	0.014038888	0.002933125	4.786324786
OTU_1781	0.265811088	Clostridium_XIVa	0.013537499	0.051818537	0.261248186
OTU_1925	0.903236597	Clostridium_XIVb	0.013537499	0.031286664	0.432692308
OTU_751	0.534247591	Lachnospiracea_incertae_sedis	0.013537499	0.021509582	0.629370629
OTU_279	0.692954167	unclassified.Ruminococcaceae	0.013537499	0.01662104	0.814479638
OTU_305	0.717393875	unclassified.Ruminococcaceae	0.013537499	0.007821666	1.730769231
OTU_347	0.397976475	Victivallis	0.013537499	0.002933125	4.615384615
OTU_275	0.272372088	Methanobrevibacter	0.01303611	0.000977708	13.33333333
OTU_586	0.305453714	Clostridium_XIVa	0.012534721	0.091904576	0.136388434
OTU_201	0.253891235	Bacteroides	0.012534721	0.032264372	0.388500389
OTU_1039	0.004542244	Blautia	0.012033332	0.076261244	0.157790927
OTU_207	0.795107925	Flavonifractor	0.012033332	0.008799374	1.367521368
OTU_869	0.803259631	Actinomyces	0.012033332	0.006843958	1.758241758
OTU_355	0.919708769	unclassified.Coriobacteriaceae	0.012033332	0.004888541	2.461538462
OTU_1157	0.297208974	Dorea	0.012033332	0.001955417	6.153846154
OTU_1762	0.268998924	Lachnospiracea_incertae_sedis	0.011531943	0.012710207	0.90729783
OTU_782	0.765824241	Alistipes	0.011030555	0.023464998	0.47008547
OTU_342	0.999343137	unclassified.Clostridiales	0.011030555	0.010754791	1.025641026
OTU_293	0.681266487	unclassified.Ruminococcaceae	0.011030555	0.006843958	1.611721612
OTU_263	0.206650173	unclassified.Ruminococcaceae	0.011030555	0.000977708	11.28205128
OTU_1936	0.784419698	unclassified.Ruminococcaceae	0.010529166	0.007821666	1.346153846
OTU_998	0.157632443	Oscillibacter	0.010027777	0.045952288	0.218221495
OTU_784	0.36979575	unclassified.Clostridiales	0.010027777	0.015643332	0.641025641
OTU_325	0.98017713	Clostridium_XIVa	0.010027777	0.006843958	1.465201465
OTU_222	0.858149996	Peptococcus	0.010027777	0.001955417	5.128205128
OTU_1016	0.98634158	Barnesiella	0.009526388	0.020531873	0.463980464
OTU_241	0.732611249	Clostridium_XIVa	0.009526388	0.008799374	1.082621083
OTU_830	0.962008035	Lachnospiracea_incertae_sedis	0.009526388	0.008799374	1.082621083
OTU_1200	0.765824241	Prevotella	0.009024999	0.024442706	0.369230769
OTU_1774	0.493353205	unclassified.Lachnospiraceae	0.009024999	0.021509582	0.41958042
OTU_371	0.329742858	unclassified.Desulfovibrionaceae	0.009024999	0.000977708	9.230769231
OTU_357	0.127733591	Lachnospiracea_incertae_sedis	0.00852361	0.034219789	0.249084249
OTU_888	0.884406359	Lachnospiracea_incertae_sedis	0.00852361	0.013687916	0.622710623
OTU_545	0.405518672	Erysipelotrichaceae_incertae_sedis	0.00852361	0.000977708	8.717948718
OTU_1459	0.127733591	Clostridium_XIVa	0.00852361	0	Inf
OTU_189	0.765824241	Clostridium_XIVb	0.008022222	0.025420415	0.315581854
OTU_997	0.574824855	Oscillibacter	0.008022222	0.013687916	0.586080586
OTU_535	0.734473678	Clostridium_XIVa	0.008022222	0.013687916	0.586080586
OTU_681	0.157632443	Veillonella	0.007520833	0.019554165	0.384615385
OTU_2018	0.301393246	unclassified.Clostridiales	0.007520833	0.019554165	0.384615385
OTU_278	1	Coprococcus	0.007520833	0.017598749	0.427350427
OTU_1732	0.863909276	Lachnospiracea_incertae_sedis	0.007520833	0.006843958	1.098901099
OTU_361	0.999343137	unclassified.Ruminococcaceae	0.007520833	0.00586625	1.282051282
OTU_387	0.760861016	unclassified.Clostridiales	0.007520833	0.002933125	2.564102564
OTU_373	0.351752068	Clostridium_IV	0.007520833	0.000977708	7.692307692
OTU_949	0.243111212	Bacteroides	0.007019444	0.023464998	0.299145299
OTU_378	0.385626641	Oscillibacter	0.006518055	0.010754791	0.606060606
OTU_502	0.668384469	unclassified.Clostridiales	0.006518055	0.003910833	1.666666667
OTU_468	0.273349654	unclassified.Ruminococcaceae	0.006518055	0.000977708	6.666666667
OTU_809	0.272372088	Lachnospiracea_incertae_sedis	0.006016666	0.027375831	0.21978022
OTU_1380	0.821630202	unclassified.Lachnospiraceae	0.006016666	0.015643332	0.384615385
OTU_922	0.427777496	Lachnospiracea_incertae_sedis	0.006016666	0.010754791	0.559440559

OTU_1309	0.493353205	Lachnospiracea_incertae_sedis	0.006016666	0.010754791	0.559440559
OTU_118	0.809288104	Clostridium_XIVa	0.006016666	0.009777083	0.615384615
OTU_1295	0.903236597	Lachnospiracea_incertae_sedis	0.006016666	0.008799374	0.683760684
OTU_1117	0.693237459	Asaccharobacter	0.006016666	0.001955417	3.076923077
OTU_444	0.412631967	Pseudoflavonifractor	0.006016666	0.000977708	6.153846154
OTU_154	0.127027536	Clostridium_IV	0.005515277	0.097770825	0.056410256
OTU_274	0.639837848	Butyricoccus	0.005515277	0.035197497	0.156695157
OTU_1159	0.127027536	Lachnospiracea_incertae_sedis	0.005515277	0.018576457	0.296896086
OTU_235	0.954261253	Barnesiella	0.005515277	0.009777083	0.564102564
OTU_1454	0.848590782	Lachnospiracea_incertae_sedis	0.005515277	0.008799374	0.626780627
OTU_458	0.916789215	unclassified.Clostridiales	0.005515277	0.003910833	1.41025641
OTU_1439	0.879881302	Clostridium_XI	0.005515277	0.001955417	2.820512821
OTU_147	0.008592689	unclassified.Lachnospiraceae	0.005013888	0.07821666	0.064102564
OTU_1366	0.127027536	Coprococcus	0.005013888	0.076261244	0.06574622
OTU_1172	0.914388878	Butyricomonas	0.005013888	0.012710207	0.394477318
OTU_1337	0.962008035	unclassified.Lachnospiraceae	0.005013888	0.008799374	0.56980057
OTU_283	0.967764334	Holdemania	0.005013888	0.00586625	0.854700855
OTU_366	0.354666151	unclassified.Ruminococcaceae	0.005013888	0.000977708	5.128205128
OTU_930	0.07672936	unclassified.Lachnospiraceae	0.0045125	0.027375831	0.164835165
OTU_261	0.954261253	unclassified.Clostridiales	0.0045125	0.006843958	0.659340659
OTU_1083	0.359564831	Cellulosilyticum	0.004011111	0.521118498	0.007697118
OTU_129	0.397976475	Lachnospiracea_incertae_sedis	0.004011111	0.138834572	0.028891296
OTU_237	0.189681793	Clostridium_XIVb	0.004011111	0.06159562	0.065120065
OTU_1129	0.624274483	Lachnospiracea_incertae_sedis	0.004011111	0.006843958	0.586080586
OTU_354	0.51715725	Lachnospiracea_incertae_sedis	0.004011111	0.000977708	4.102564103
OTU_1306	0.008592689	unclassified.Lachnospiraceae	0.003509722	0.028353539	0.123784262
OTU_1040	0.272197715	Lachnospiracea_incertae_sedis	0.003509722	0.012710207	0.276134122
OTU_1446	0.493353205	Lachnospiracea_incertae_sedis	0.003509722	0.008799374	0.398860399
OTU_1705	0.494983656	Coprococcus	0.003509722	0.00586625	0.598290598
OTU_360	0.550718592	Lachnospiracea_incertae_sedis	0.003509722	0.00586625	0.598290598
OTU_1080	0.748402385	Faecalibacterium	0.003509722	0.004888541	0.717948718
OTU_327	0.748402385	Slackia	0.003509722	0.004888541	0.717948718
OTU_790	0.914388878	Akkermansia	0.003509722	0.004888541	0.717948718
OTU_822	0.903236597	Flavonifractor	0.003509722	0.002933125	1.196581197
OTU_380	0.984353789	Clostridium_IV	0.003509722	0.002933125	1.196581197
OTU_1230	0.202772863	Lachnospiracea_incertae_sedis	0.003008333	0.013687916	0.21978022
OTU_1760	0.241122933	Lachnospiracea_incertae_sedis	0.003008333	0.012710207	0.236686391
OTU_1719	0.190490813	unclassified.Lachnospiraceae	0.003008333	0.008799374	0.341880342
OTU_438	0.821630202	Enterorhabdus	0.003008333	0.003910833	0.769230769
OTU_1759	0.028253767	unclassified.Lachnospiraceae	0.002506944	0.01662104	0.150829563
OTU_1726	0.127733591	Lachnospiracea_incertae_sedis	0.002506944	0.010754791	0.233100233
OTU_1312	0.139437903	Lachnospiracea_incertae_sedis	0.002506944	0.009777083	0.256410256
OTU_223	0.918452555	Anaerorhabdus	0.002506944	0.007821666	0.320512821
OTU_1324	0.715916941	unclassified.Lachnospiraceae	0.002506944	0.004888541	0.512820513
OTU_1421	0.902261332	Gemmiger	0.002506944	0.003910833	0.641025641
OTU_2064	0.479418929	Coprococcus	0.002005555	0.006843958	0.293040293
OTU_972	0.202772863	Coprococcus	0.002005555	0.00586625	0.341880342
OTU_1349	0.273059776	Lachnospiracea_incertae_sedis	0.002005555	0.00586625	0.341880342
OTU_330	0.682166915	unclassified.Clostridiales	0.002005555	0.004888541	0.41025641
OTU_580	0.687619041	Oscillibacter	0.002005555	0.003910833	0.512820513
OTU_1167	0.190490813	Lachnospiracea_incertae_sedis	0.001504167	0.012710207	0.118343195
OTU_1663	0.385333001	Barnesiella	0.001504167	0.011732499	0.128205128
OTU_1738	0.668384469	Lachnospiracea_incertae_sedis	0.001504167	0.004888541	0.307692308
OTU_1465	0.903236597	Coprococcus	0.001504167	0.001955417	0.769230769
OTU_1388	0.493353205	Anaerostipes	0.001504167	0	Inf

OTU_678	0.127027536	Clostridium_XIVa	0.001002778	0.013687916	0.073260073
OTU_1357	0.746483198	unclassified.Lachnospiraceae	0.001002778	0.001955417	0.512820513
OTU_727	0.746483198	unclassified.Lachnospiraceae	0.001002778	0.001955417	0.512820513
OTU_989	0.028253767	Lachnospiraceae_incertae_sedis	0.000501389	0.010754791	0.046620047
OTU_1326	0.493353205	unclassified.Lachnospiraceae	0.000501389	0.004888541	0.102564103
OTU_1461	0.746483198	Roseburia	0.000501389	0	Inf
OTU_382	0.746483198	unclassified.Ruminococcaceae	0.000501389	0	Inf
OTU_1322	0.243111212	Clostridium_XIVa	0	0.001955417	0
OTU_1451	0.427492185	Lachnospiraceae_incertae_sedis	0	0.002933125	0