

species_name	diff	d_std	pval	mann_whitney se	se_std	median_zero	median_one	qval	qval_mann_whitney
s_Opitulales_bacterium[t_SGB8767_group	6.127475701	1.537229603	1.72E-06	0.089913017	1.280968219	0.307035806	0	0.000216026	0.984005226
s_Coproccoccus_eutactus[t_SGB5121	5.107748307	-1.699814232	1.23E-07	0.25204535	0.96568403	0.314735734	0	2.63E-05	0.984005226
s_Clostridia_bacterium[t_SGB14845	-4.918974952	-1.026217606	0.001406415	0.350832703	1.540389844	0.286974897	0	0.024153184	0.984005226
s_GGB42689_SGB59892[t_SGB59892	-4.908007177	-0.887552039	0.005747685	0.764020318	1.77707951	0.28273757	0	0.062542601	0.984010319
s_GGB4651_SGB6438[t_SGB6438	-4.842430798	-1.936199519	1.69E-09	0.65654904	0.80372747	0.326920934	0	1.09E-06	0.984010319
s_Lachnospiraceae_bacterium[t_SGB4803	4.659626135	1.31480955	4.29E-05	0.000252727	1.138895086	0.297490193	0	0.002117893	0.162250906
s_GGB4599_SGB6362[t_SGB6362	-4.526659515	-1.873874025	5.51E-09	0.262619171	0.776305985	0.323600254	0	1.77E-06	0.984005226
s_Ruminococcus_SGB4421[t_SGB4421	-4.341336096	-1.330681023	3.46E-05	0.40424793	1.048443285	0.298131465	0	0.002046391	0.984005226
s_Lachnospira_SGB5076[t_SGB5076	-4.340639663	-1.323308069	3.83E-05	0.404025355	1.054115672	0.297832782	0	0.002046391	0.984005226
s_Bifidobacterium_animalis[t_SGB17278	-4.319335657	-0.762149786	0.017710365	0.788964916	1.821260712	0.279389723	0	0.120934354	1
s_Flavonifractor_sp_An10[t_SGB15134	-4.179481184	-0.970723287	0.002523554	0.584381041	1.383637814	0.285213065	0	0.036803434	0.985056448
s_GGB4750_SGB6579[t_SGB6579	-4.169016712	-1.639921799	3.34E-07	0.199192663	0.816969783	0.311831673	0	5.37E-05	0.984005226
s_Duodenibacillus_massiliensis[t_SGB9273	-4.142285754	-1.17460743	0.000257099	0.629819918	1.13329457	0.292105169	0	0.008687232	0.984010319
s_Clostridia_unclassified_SGB4447[t_SGB4447	-3.8584309	-1.409842333	1.15E-05	0.479508551	0.879499661	0.301423066	0	0.000819515	0.984005226
s_Bacteroidaceae_bacterium[t_SGB1408	-3.82842912	-1.12619446	0.000457579	0.537175805	1.092452897	0.290365542	0	0.01088021	0.984005226
s_Veillonella_atypica[t_SGB6936	-3.666391022	-1.071789724	0.000582564	0.504709222	1.099321415	0.288486297	0	0.017234282	0.984005226
s_Harryflintia_acetisporal[t_SGB14838	-3.632419995	-0.758576121	0.018667933	0.169915999	1.544332918	0.279234638	0	0.124841802	0.984005226
s_GGB9176_SGB14114[t_SGB14114	3.599529843	1.089425106	0.000698883	0.511085186	1.601802872	0.289086593	0	0.015471818	0.984005226
s_GGB9635_SGB15103[t_SGB15103	-3.569753539	-0.836455948	0.009245492	0.26936132	1.371483717	0.281316893	0	0.077085791	0.984005226
s_Bacilli_unclassified_SGB6428[t_SGB6428	-3.527910988	-0.898467934	0.055177041	0.55939986	1.261858141	0.283051029	0	0.06043019	0.985056448
s_GGB3478_SGB4643[t_SGB4643	-3.480508742	-1.081236109	0.000766728	0.200247721	1.034469485	0.288806782	0	0.016407973	0.984005226
s_Sutterella_sp_AM11_39[t_SGB9280	3.467307248	1.189280872	0.000214969	0.464232011	0.936921899	0.292644777	0	0.007667229	0.984005226
s_Clostridia_bacterium[t_SGB15389	3.428185682	1.093476327	0.000667422	0.688954597	1.007512512	0.28922257	0	0.015303033	0.984010319
s_GGB3189_SGB4212[t_SGB4212	-3.424546866	-1.169688231	0.000272876	0.763234007	0.90486755	0.291925547	0	0.008759307	0.984010319
s_Eggerthellaceae_unclassified_SGB14341[t_SGB14341	3.305575111	0.9402117	0.003436795	0.260676771	1.129839815	0.28428172	0	0.045967131	0.984005226
s_GGB9551_SGB14958[t_SGB14958	3.305487392	1.151756005	0.000338404	0.277317858	0.922296406	0.29127622	0	0.009445894	0.984005226
s_Blautia_hydrogenotrophic[t_SGB4677	3.193848625	1.244674174	0.000107454	0.00092102	0.824620537	0.294732832	0	0.00492753	0.295647267
s_Lachnospiraceae_bacterium[t_SGB4957	-3.112049519	-1.526991358	2.02E-06	0.258732845	0.65485975	0.306569348	0	0.000216026	0.984005226
s_Clostridia_bacterium[t_SGB4435	-3.079646822	-1.432844463	8.25E-06	0.245270814	0.690712572	0.302408145	0	0.000661876	0.984005226
s_Clostridiales_bacterium_Choco116[t_SGB15149	-3.029064071	-0.680670002	0.034168807	0.369488784	1.43010309	0.277469259	0	0.175507591	0.984005226
s_Lachnospirostridium_sp_An131[t_SGB4775	3.013056103	0.910157219	0.004623175	0.413561371	1.06386445	0.283390553	0	0.056001477	0.984005226
s_Bacilli_unclassified_SGB6473[t_SGB6473	-2.951505919	-0.839161695	0.009029022	0.681383583	1.130299471	0.281390187	0	0.076203051	0.984010319
s_Clostridia_bacterium[t_SGB14193	-2.947674913	-1.047725602	0.001113106	0.301653002	0.904123017	0.287681016	0	0.021018069	0.984005226
s_Clostridia_bacterium[t_SGB4394	-2.943775702	-0.884910906	0.005894011	0.058438469	1.069056516	0.282662251	0	0.063065916	0.972580875
s_Bacteroides_nordii[t_SGB1858	-2.894729831	-0.894590137	0.005373615	0.260293263	1.039870906	0.282939276	0	0.060755391	0.984005226
s_Anaerostipes_caccaei[t_SGB4529	-2.885344535	-0.985961324	0.002154506	0.741455947	0.940444772	0.285688158	0	0.032933168	0.984010319
s_Phocaeicola_coprophilus[t_SGB1888	2.856913178	0.79093699	0.013847565	0.042252066	1.160783286	0.280116608	0	0.103373466	0.985360201
s_GGB51960_SGB72480[t_SGB72480	2.855396152	1.138326474	0.003968626	0.027832428	0.806111339	0.290795575	0	0.009798546	0.837442007
s_Butyricimonas_faecalis[t_SGB1782	2.83475361	0.92355421	0.00405477	0.083352117	0.985944673	0.283784566	0	0.051994226	0.984005226
s_Bacteroides_stercoris[t_SGB1830_group	-2.818172386	-1.010697829	0.001660655	1.190868079	0.896069548	0.286473417	0	0.027336937	0.984005226
s_Pseudoruminococcus_massiliensis[t_SGB4280	-2.817565279	-1.071114416	0.00085903	0.825187198	0.845344281	0.28846348	0	0.017234282	1
s_Turicibacter_sanguinis[t_SGB6846	-2.776317239	-1.20227004	0.00018137	0.075072895	0.742099975	0.293127208	0	0.006917376	0.984005226
s_Clostridia_unclassified_SGB6369[t_SGB6369	-2.757342934	-0.724989214	0.024071622	0.582060841	1.222235052	0.278488601	0	0.140490741	0.985056448
s_Ruminococcaceae_unclassified_SGB15309[t_SGB15309	-2.748303296	-0.932506834	0.00371112	0.515404488	0.947126814	0.284050767	0	0.048623244	0.984005226
s_GGB35068_SGB47850[t_SGB47850	-2.7446408	-1.323481307	3.82E-05	0.611260413	0.66644329	0.297839784	0	0.002046391	0.984005226
s_Blautia_sp_AF19_10LBI[t_SGB4810	-2.725729581	-0.961993784	0.00275813	0.183439763	0.910554611	0.284943879	0	0.039349327	0.984005226
s_Clostridia_bacterium[t_SGB14042	2.717326034	0.784637391	0.014622569	0.933055644	1.112931017	0.279955419	0	0.105842166	1
s_Bacteroides_faecis[t_SGB1860	2.708906677	0.740390487	0.01222749	1	1.175787152	0.27885696	0	0.131941933	1
s_Veillonella_dispar[t_SGB6952	-2.685695718	-0.890163932	0.00560208	0.907294687	0.96957701	0.282812255	0	0.062054923	1
s_GGB4588_SGB6347[t_SGB6347	2.665036094	0.798941687	0.012914961	0.652488061	1.071972167	0.280323202	0	0.098707199	0.998010319
s_Akkermansia_muciniphila[t_SGB9228	2.620132549	0.680471112	0.034221248	0.287478922	1.237397021	0.277464821	0	0.175507591	0.984005226
s_GGB9615_SGB15051[t_SGB15051	-2.58326803	-1.229594571	0.000130142	0.172736262	0.675154286	0.294156473	0	0.00557009	0.984005226
s_Clostridia_bacterium[t_SGB15384	-2.561342553	-0.822701748	0.010465981	0.55939986	1.000508404	0.280947684	0	0.08295259	0.985056448
s_GGB4710_SGB6522[t_SGB6522	2.516335977	0.784239214	0.014672824	0.652488061	1.031135096	0.27994527	0	0.105842166	0.998010319
s_Clostridium_SGB6179[t_SGB6179	-2.499219491	-1.143242003	0.003744227	0.105120533	0.702524903	0.290970941	0	0.009798546	0.984005226
s_Candidatus_Protocolobacterium_gallicoalici[t_SGB14049	2.476505865	0.760915579	0.01789527	0.077096519	1.045919792	0.279359191	0	0.120934354	0.984005226
s_Eubacterium_caldanieri[t_SGB4080	-2.47073389	-0.904889034	0.004865789	0.459307723	0.877457608	0.283237042	0	0.05784882	0.984005226
s_Clostridia_bacterium[t_SGB14247	-2.421542152	-0.940254579	0.003435321	0.263483135	0.827641145	0.28428301	0	0.045967131	0.984005226
s_Lachnospiraceae_bacterium[t_SGB4817	-2.395715112	-1.027796368	0.01382673	0.244070527	0.749072046	0.287026289	0	0.024153184	0.984005226
s_GGB4585_SGB6340[t_SGB6340	-2.362365019	-0.848358266	0.008293596	0.177825843	0.894876707	0.281640932	0	0.071952551	0.984005226
s_GGB3278_SGB4328[t_SGB4328	-2.361660786	-0.880476624	0.006147748	0.404025355	0.861976021	0.282536257	0	0.063653766	0.984005226
s_GGB1662_SGB2276[t_SGB2276	-2.356378145	-0.850451765	0.008135546	0.904602	0.890411573	0.281698361	0	0.071952551	1
s_Turicibacter_sanguinis[t_SGB6847	-2.329907166	-0.977019038	0.002365166	0.307722758	0.766356927	0.285408553	0	0.035293809	0.984005226
s_Lachnospiraceae_bacterium[t_SGB4953	-2.312388276	-0.91205748	0.004538387	0.365078541	0.814768154	0.283446123	0	0.056001477	0.984005226
s_Intestinimonas_timonensis[t_SGB29334	-2.311372068	-0.691835334	0.013330314	0.479508551	0.073649728	0.277720352	0	0.169430696	0.984005226
s_Peptococcaceae_bacterium[t_SGB4059	-2.300627186	-0.86527466	0.007091487	0.655396384	0.854452173	0.282108698	0	0.067951268	0.998010319
s_GGB4603_SGB6367[t_SGB6367	-2.295252777	-0.654136461	0.041799762	0.498399848	1.127606734	0.276888076	0	0.197548634	0.984005226
s_Parasutterella_SGB9260[t_SGB9260	-2.288335287	-0.763653751	0.01748731	0.295027569	0.954566648	0.279427079	0	0.120934354	0.984005226
s_GGB4566_SGB6305[t_SGB6305	2.227613089	0.947642281	0.00318985	0.10985473	0.755424087	0.284506073	0	0.044519213	0.837442007
s_Parabacteroides_goldsteinii[t_SGB1941	-2.17619763	-0.687077056	0.032515845	0.484733745	1.017860786	0.277612873	0	0.171107969	0.984005226
s_GGB51959_SGB72479[t_SGB72479	-2.170277169	-1.162292249	0.000298312	0.033904733	0.600606938	0.291656698	0	0.00911983	0.837442007
s_Eubacterium_ramusii[t_SGB4960	2.143867097	0.866890634	0.006985269	0.223991804	0.79474727	0.282153824	0	0.067947618	0.984005226
s_Clostridia_bacterium[t_SGB14048	2.135922879	0.726908798	0.023700033	0.345165916	0.944280756	0.278534116	0	0.13959102	0.984005226
s_Lachnospiraceae_bacterium[t_SGB4718	2.134594496	0.640566877	0.046230458	0.799892487	1.070893799	0.276599328	0	0.206384457	1
s_Bacteroides_intestinalis[t_SGB1846	-2.050067442	-0.751145874	0.019371139	0.177825843	0.876738701	0.279125843	0	0.126900727	0.984005226
s_Candidatus_Pseudocapsipira_faecivium[t_SGB63239	-2.041284723	-0.882941447	0.00600531	0.257120294	0.742962986	0.28260622	0	0.06320333	0.984005226
s_Lactobacillus_delbrueckii[t_SGB7020	2.031816829	0.87339857	0.006571819	0.846748688	0.74759704	0.282336339	0	0.065923558	1
s_Ruminococcaceae_bacterium[t_SGB14834	-2.027946535	-0.761985584	0						

s_Lachnospiraceae_bacterium[t_SGB4648	-1.616189343	-0.702238913	0.028874848	0.493970074	0.739610119	0.277957781	0	0	0.161196979	0.984005226
s_Alistipes_sp_AF17_16[t_SGB2326	-1.605768155	-0.745648593	0.020326224	0.261795598	0.692060616	0.27898438	0	0	0.129801554	0.984005226
s_Lachnospiraceae_bacterium[t_SGB4597	-1.601746069	-0.604217178	0.060084646	0.360792521	0.851914666	0.275854273	0	0	0.249027856	0.984005226
s_Clostridium_sp_AM49_4BH[t_SGB4652	-1.596829438	-0.867259647	0.006961215	0.060240798	0.591704521	0.28216414	0.01949	0	0.067947618	0.972580875
s_Candidatus_Pseudoclostridia_avium[t_SGB59819	1.587185728	0.711300046	0.026870981	0.191770623	0.717084623	0.278167292	0	0	0.154028304	0.984005226
s_Clostridia_bacterium[t_SGB15413	-1.57528834	-0.830085525	0.009794036	0.143110695	0.609863602	0.281145189	0	0	0.079144656	0.984005226
s_GGB9730_SGB15291[t_SGB15291	-1.558903218	-1.212944604	0.000160407	0.011435969	0.413022474	0.293526966	0.11799	0	0.006436329	0.815765792
s_Massiliimallae_massiliensis[t_SGB29347	1.524135667	1.029522066	0.001357144	0.031666176	0.475755112	0.287082544	0	0.00192	0.024153184	0.837442007
s_Intestinibacter_SGB6139[t_SGB6139	-1.523886108	-0.687566123	0.032395253	0.103722581	0.712251769	0.277623888	0	0	0.171107969	0.984005226
s_Angelakissella_massiliensis[t_SGB29321	-1.516378205	-0.628800084	0.050368263	0.260293263	0.774978968	0.27635362	0	0	0.220054292	0.984005226
s_Clostridia_bacterium[t_SGB14255	-1.515399281	-0.852794313	0.00761894	0.283448133	0.571055447	0.281762777	0	0	0.071952551	0.984005226
s_Christensenella_massiliensis[t_SGB29339	1.509455778	0.784859203	0.014549369	0.00921345	0.618050747	0.279961075	0	0.00121	0.105842166	0.815765792
s_Clostridia_bacterium[t_SGB53517	-1.488973341	-0.821113217	0.010615793	0.155004335	0.582746101	0.280905406	0.00034	0	0.083113894	0.984005226
s_Clostridia_bacterium[t_SGB15385	1.429452494	0.691539841	0.031405378	0.958607924	0.664275167	0.277713657	0	0	0.169430696	1
s_Blaugia_sp_MSK_21_1[t_SGB4829	-1.423451804	-0.704419156	0.028381288	0.105613459	0.649392257	0.278007962	0.04125	0	0.159831465	0.984005226
s_Eubacteriaceae_bacterium[t_SGB5043	-1.406825779	-0.851445608	0.008061463	0.256126747	0.530980907	0.28172567	0	0	0.071952551	0.984005226
s_GGB9635_SGB15106[t_SGB15106	-1.399737558	-0.796738321	0.013165923	0.107579875	0.564581192	0.28026615	0.116955	0	0.099441439	0.984005226
s_Clostridia_bacterium[t_SGB3940	-1.397427189	-0.620391934	0.053444453	0.134599037	0.723866607	0.276180679	0	0	0.230708313	0.984005226
s_Clostridia_bacterium[t_SGB14043	1.357354436	0.635949756	0.047825491	0.18262265	0.685908142	0.276502393	0	0	0.211751483	0.984005226
s_Clostridia_bacterium[t_SGB53497	1.349097457	0.773040789	0.01614972	0.429396302	0.560836681	0.279661785	0.001905	0.00536	0.113937165	0.984005226
s_Parasutella_excrementihominis[t_SGB9262	1.345375475	0.8009211	0.011917443	0.373661476	0.535030003	0.280561699	0.00288	0.0187	0.092180705	0.984005226
s_GGB51441_SGB1759[t_SGB1759	-1.286668588	-1.024697681	0.001429628	0.101028283	0.397248937	0.286925486	0.02572	0	0.024153184	0.815765792
s_Alistipes_senegalensis[t_SGB2596	-1.244488214	-0.667348914	0.037836456	0.352122107	0.599284888	0.277174742	0.016285	0.00112	0.189773474	0.984005226
s_Lachnospiraceae_bacterium[t_SGB4832	1.235680676	0.648846285	0.043482384	0.201463029	0.610965652	0.276774822	0.000165	0.04711	0.199397791	0.984005226
s_Clostridium_sp_AM33_3[t_SGB4711	-1.198766332	-0.995802053	0.00194381	0.018738699	0.38686284	0.285998478	0.032205	0	0.030437242	0.837442007
s_Catenibacillus_scindens[t_SGB59869	-1.164352913	-0.684730217	0.033113181	0.289235247	0.546462842	0.277560121	0	0	0.127834652	0.984005226
s_Candidatus_Allochistensenella_caecavium[t_SGB63369	1.132209591	0.69965753	0.029468755	0.435065407	0.520040076	0.277898558	0	0	0.163094317	0.984005226
s_GGB9581_SGB14999[t_SGB14999	1.080287198	0.783933262	0.0215792	0.029741425	0.470161433	0.278808782	0	0.00649	0.131941393	0.837442007
s_Phocaea_massiliensis[t_SGB14837	1.067859405	0.606179284	0.059257573	0.211535953	0.56612	0.275893429	0.000355	0.00241	0.248850581	0.984005226
s_Ruminococcus_bicirculans[t_SGB4262	-1.055154639	-0.76623845	0.034454519	0.346011884	0.498933886	0.27744593	0.22802	0.17266	0.175507591	0.984005226
s_GGB45432_SGB6310[t_SGB63101	1.03231579	0.842014274	0.008789452	0.049536997	0.393993097	0.281467694	0.005355	0.03402	0.075237705	0.908649693
s_Clostridia_bacterium[t_SGB53517	0.968666189	0.665995247	0.038227242	0.046704499	0.467410547	0.277145122	0.001285	0.04436	0.190247204	0.908614798
s_Eubacteriaceae_bacterium[t_SGB3958	0.958967441	0.740121696	0.015201502	0.157185406	0.395036298	0.279840596	0.004755	0.01324	0.108437378	0.984005226
s_GGB9699_SGB15216[t_SGB15216	0.940796006	0.474535317	0.020514262	0.680828114	0.406074444	0.278957332	0.05331	0.05473	0.129801554	0.998010319
s_Streptococcus_mitis[t_SGB8163	0.9120384	0.655902672	0.014250407	0.532109341	0.446857674	0.276926082	0	0	0.197548634	0.984005226
s_Clostridia_bacterium[t_SGB3957	0.893310318	0.876873983	0.006360161	0.009894526	0.327386421	0.282434317	0.025585	0.12862	0.064813065	0.815765792
s_Clostridia_unclassified_SGB4121[t_SGB4121	-0.891030646	-0.661081379	0.039674775	0.216027118	0.433144908	0.27703808	0.021875	0	0.194436683	0.984005226
s_Faecalibacterium_prausnitzii[t_SGB15316_group	-0.85542634	-0.655300155	0.042715601	0.326411203	0.420982263	0.276863706	0.46973	0.37639	0.095722805	0.984005226
s_Dorea_sp_AF36_15A[t_SGB4552_group	0.794290439	0.8502044	0.008154079	0.106781035	0.300228201	0.281691569	0.05093	0.0994	0.071952551	0.984005226
s_Lacrimispora_amygdalinali[t_SGB4716	-0.755477009	-0.600606491	0.055515012	0.07476221	0.400587694	0.275891143	0.07224	0.03329	0.248850581	0.984005226
s_Coprococcus_cornelis[t_SGB4577_group	0.721156327	0.705868219	0.028057287	0.147789043	0.328322984	0.278041394	0.316095	0.72434	0.159405119	0.984005226
s_Candidatus_Avimicrobium_caecorum[t_SGB15350	-0.706423387	-0.721699075	0.024720276	0.031619923	0.315431536	0.27841085	0.052255	0.0088	0.142976733	0.837442007
s_Anaerostipes_hadrum[t_SGB4540_group	0.653332929	0.655310559	0.04143389	0.64788269	0.320392896	0.27691333	0.39016	0.30914	0.197548634	0.998010319
s_Faecalibacterium_SGB15346[t_SGB15346	-0.64915245	-0.661358724	0.039591583	0.515918154	0.315431536	0.277044101	0.679125	0.57871	0.194436683	0.984005226
s_Odoribacter_splanchnicus[t_SGB1790	-0.542667572	-0.653917654	0.041868249	0.111785366	0.266689738	0.276883374	0.136375	0.11532	0.197548634	0.984005226
s_Lactococcus_lactis[t_SGB7984	-2.837843201	-0.597811173	0.062851849	0.275454836	1.525526881	0.27572728	0	0	0.258659533	0.984005226
s_GGB9730_SGB15290[t_SGB15290	-2.802515717	-0.531631941	0.098065668	0.761532394	1.694074431	0.274491503	0	0	0.349767192	0.998010319
s_Candidatus_Gastranaerophilales_bacterium[t_SGB8625	-2.403046342	-0.525253923	0.102162684	0.987438297	1.42704351	0.274379782	0	0	0.357295889	1
s_Lachnospiraceae_bacterium[t_SGB4746	2.178923476	0.551353139	0.086222026	0.235140524	1.270011411	0.274845179	0	0	0.32134317	0.984005226
s_GGB6007_SGB8634[t_SGB8634	-2.092364255	-0.438619075	0.172293192	0.70775458	1.533011011	0.272992006	0	0	0.457075327	0.998010319
s_Ruminococcaceae_unclassified_SGB15257[t_SGB15257	2.06786595	0.512342555	0.11087306	0.976096967	1.297052183	0.274157613	0	0	0.358807153	1
s_Ruthenibacterium_lactatiformans[t_SGB15271	-2.058402883	-0.476779731	0.137910116	0.475716334	1.387420457	0.273573404	0.022485	0.03385	0.045122664	0.984005226
s_Bacilli_bacterium[t_SGB6609	-1.983069891	-0.512011425	0.111103931	0.281996426	1.244668978	0.274151985	0	0	0.358807153	0.984005226
s_Blaugia_schinkii[t_SGB4825	1.978379415	0.537529711	0.094394774	0.019378402	1.182776282	0.27459597	0	0	0.340457557	0.837442007
s_GGB9691_SGB15198[t_SGB15198	1.859537323	0.584447903	0.06894509	0.874621165	1.022409483	0.27546731	0	0	0.273226837	1
s_Pseudoflavonifractor_sp_AF19_9A[t_SGB23477	-1.857438397	-0.365215279	0.255764877	0.274116674	1.634409872	0.272007136	0	0	0.548029344	0.984005226
s_Ruminococcaceae_bacterium[t_SGB14906	-1.827613325	-0.520704336	0.105167936	0.580124883	1.127946804	0.274300886	0.011065	0	0.357295889	0.985056448
s_Massiliimicrobiota_sp_An134[t_SGB6768	-1.809813796	-0.371841378	0.247240648	0.805804429	1.564125785	0.27208879	0	0	0.546953352	1
s_GGB9623_SGB15075[t_SGB15075	-1.772793224	-0.550704191	0.086592474	0.989353453	1.034511204	0.274833344	0	0	0.32134317	1
s_Lachnoclostridium_phocaense[t_SGB4622	1.693800673	0.529828929	0.099210252	0.575861754	1.027358765	0.274459788	0	0	0.351894927	0.985056448
s_GGB3433_SGB4573[t_SGB4573_group	1.689207553	0.444572284	0.166543113	0.147392027	1.221057533	0.273079594	0	0	0.453053724	0.984005226
s_Lachnospiraceae_bacterium_OM04_12BH[t_SGB4893	-1.674199648	-0.463864302	0.084399333	0.93317746	1.159876613	0.273371344	0	0	0.421117025	1
s_GGB9697_SGB15213[t_SGB15213	-1.618667254	-0.555688295	0.083780056	0.559398629	0.930699102	0.27492459	0	0	0.317148428	0.985056448
s_Anaeromassiliibacillus_sp_An250[t_SGB14894	-1.61042636	-0.52166699	0.104520631	0.488518626	0.992071585	0.274317524	0.008065	0.00482	0.357295889	0.984005226
s_Prevotella_copri_clade_A[t_SGB1826	-1.542312595	-0.594880415	0.064152536	0.712767862	0.833178838	0.275669612	0	0	0.261975115	0.998010319
s_Eisenbergiella_taylii[t_SGB4988	-1.541670905	-0.476433838	0.138196049	0.388988031	1.039883229	0.273567922	0	0	0.405122664	0.984005226
s_GGB3463_SGB4621[t_SGB4621	1.506501321	0.338778802	0.291793893	0.332454573	1.429054477	0.27169575	0	0	0.578755003	0.984005226
s_Oscillibacter_SGB15077[t_SGB15077	-1.501640132	-0.49196484	0.125801302	0.927831551	0.980905779	0.27381787	0	0	0.380964319	1
s_GGB9559_SGB14968[t_SGB14968	1.497930802	0.502196636	0.118120896	0.740920213	0.958529802	0.273986787	0	0	0.373564607	0.998010319
s_GGB4569_SGB6310[t_SGB6310	-1.496678535	-0.518194927	0.10685486	0.407613945	0.928177143	0.274257653	0	0	0.357295889	0.984005226
s_Ruminococcaceae_bacterium[t_SGB4247	-1.471853805	-0.420563063	0.190640558	0.478635778	1.124680186	0.27273341	0	0	0.486929798	0.984005226
s_GGB9778_SGB15398[t_SGB15398	-1.469690338	-0.524117342	0.102906904	0.158434123	0.901141116	0.27436001	0	0	0.357295889	0.984005226
s_Butyribacterium_crossotus[t_SGB5065	-1.458817881	-0.542720261	0.091256305	0.8144						

s_Massilimicrobiota_timonensis t_SGB6767	1.126134907	0.495256029	0.123289467	0.981913632	0.730728668	0.273871836	0	0	0.378716928	1
s_Roseburia_SGB4958 t_SGB4958	-1.121555566	-0.271900385	0.397504969	0.837824235	1.325581607	0.271011171	0	0	0.682348103	1
s_Clostridia_bacterium t_SGB14874	1.115376843	0.393778727	0.220446991	0.761532394	0.910258765	0.272369412	0	0	0.531046916	0.998010319
s_Candidatus_Gastranaerophilales_bacterium t_SGB8601	-1.114104563	-0.354896532	0.269441867	0.640536831	1.008833961	0.271882585	0	0	0.556377779	0.998010319
s_GGB49418_SGB6933 t_SGB69331	1.111850253	0.561685757	0.080494357	0.968830195	0.636133672	0.275035437	0	0	0.309444573	0.998010319
s_Firmicutes_bacterium t_SGB4062	1.109740617	0.51908632	0.106253075	0.083352117	0.687032678	0.274272987	0	0	0.357295889	0.984005226
s_GGB9644_SGB1512 t_SGB15121	-1.106257398	-0.479096003	0.1360701	0.427797554	0.742043111	0.273610212	0	0	0.404243326	0.984005226
s_Holdemaniella_biformis t_SGB6806_group	-1.104469941	-0.330767122	0.303355574	0.976096967	1.073067553	0.271605934	0	0	0.594267229	1
s_GGB3486_SGB4658 t_SGB4658	-1.102895694	-0.381807323	0.234798582	0.942822333	0.9282943	0.272214316	0	0	0.538578363	1
s_Enterocloster_clostridioformis t_SGB4760	-1.093635001	-0.309151078	0.336049385	0.699098994	1.136834204	0.271374191	0	0	0.628525964	0.998010319
s_Bifidobacterium_bifidum t_SGB17256	-1.087230828	-0.249853457	0.436874953	0.668686828	1.398401523	0.270818045	0	0	0.714755874	0.998010319
s_GGB9501_SGB14898 t_SGB14898	1.086567246	0.465083754	0.147834275	0.927831551	0.750794248	0.273390191	0	0	0.420637354	1
s_Hydrogeniclostidium_mannosilyticum t_SGB14890	-1.084084189	-0.413493761	0.198202836	0.857150902	0.842538094	0.27263506	0	0	0.499004788	1
s_Clostridium_sp_NS20 t_SGB29328	-1.0819527	-0.393470306	0.220808655	0.734480655	0.883673453	0.272365357	0	0	0.531046916	0.998010319
s_Bacteroides_finegoldii t_SGB1862	-1.079512915	-0.367324378	0.253029822	0.589192642	0.944438291	0.27203297	0	0	0.546953352	0.985056448
s_GGB9631_SGB1508 t_SGB15087	1.077845911	0.381242399	0.235491805	0.98995748	0.908554495	0.272207113	0	0	0.538578363	1
s_GGB9524_SGB14924 t_SGB14924	1.067729221	0.398383364	0.215978894	0.640536831	0.861301951	0.272430318	0	0	0.525067862	0.998010319
s_GGB4768_SGB6601 t_SGB6601	1.063092262	0.345090882	0.28289616	0.904602	0.989994925	0.271768004	0	0	0.569339607	1
s_Sutterella_wadsworthensis t_SGB9286	-1.046429024	-0.53588797	0.095450567	0.510414728	0.627525336	0.274566778	0	0	0.342180119	0.984005226
s_Traorella_massiliensis t_SGB2899	1.03966737	0.284709904	0.375646818	0.007818303	1.173511462	0.271130807	0	0	0.666202367	0.815765792
s_GGB9590_SGB15012 t_SGB15012	-1.034508173	-0.433956381	0.178895291	0.09064217	0.766096263	0.27292421	0	0	0.465484784	0.984005226
s_GGB9677_SGB15180 t_SGB15180	-1.034195742	-0.459428752	0.152824165	0.282901797	0.723402609	0.273303197	0	0	0.428441547	0.984005226
s_Candidatus_Borkfalkia_cetrifera t_SGB14027	-1.025643974	-0.369674627	0.250006124	0.790802883	0.891604981	0.27206193	0	0	0.546953352	1
s_Clostridium_sp_NSJ_42 t_SGB6174_group	-1.022258425	-0.419751058	0.191498231	0.792300435	0.782644244	0.27272203	0.000405	0	0.48692798	1
s_GGB33516_SGB5437 t_SGB5437	-1.017658101	-0.594164481	0.064473626	0.580814254	0.550415562	0.275655566	0	0	0.261975115	0.985056448
s_Clostridia_bacterium t_SGB14932	1.011347716	0.525265545	0.102155097	0.685606584	0.618752663	0.274379984	0	0	0.357295889	0.998010319
s_GGB3491_SGB4665 t_SGB4665	-1.009430443	-0.406882045	0.205472043	0.166211692	0.97726622	0.272544554	0	0	0.505316803	0.984005226
s_Candidatus_Alangreemwoodia_gallinarum t_SGB60876	1.004702884	0.317832228	0.328859088	0.640508922	1.028971672	0.27142255	0	0	0.620963337	0.998010319
s_Clostridiaceae_bacterium t_SGB4629	0.995292919	0.354233279	0.270337827	0.807340582	0.902936172	0.271874897	0	0	0.556377779	1
s_Eggerthella_lenta t_SGB14809	0.975994794	0.441316141	0.169670015	0.402162061	0.710711244	0.273031544	0.01115	0	0.457075327	0.984005226
s_Victivallis_vadensis t_SGB9202	-0.97403307	-0.464807817	0.148074832	0.282901797	0.673435141	0.273385922	0	0	0.420637354	0.984005226
s_Sanguibacteroides_justesenii t_SGB1776	0.962244439	0.302820884	0.346037807	0.01462749	0.621163029	0.271309254	0	0	0.640219804	0.837442007
s_Candidatus_Pseudobutyricoccus_lithianensis t_SGB14975	-0.958370038	-0.539112478	0.093426631	0.427910211	0.571280422	0.274624194	0	0	0.340457557	0.984005226
s_Actinomyces_SGB17168 t_SGB17168	-0.956512898	-0.479147179	0.135965285	0.350832703	0.641530623	0.273611027	0	0	0.404243326	0.984005226
s_Ruminococcaceae_bacterium_AM07_15 t_SGB14974	-0.948063588	-0.477003325	0.137725524	0.475165316	0.638721533	0.273576949	0	0	0.405122664	0.984005226
s_Clostridium_sp_AT47 t_SGB4753	-0.947780095	-0.203157643	0.527272197	0.976096967	1.499235697	0.270462534	0	0	0.769338069	1
s_Clostridia_unclassified_SGB3983 t_SGB3983	0.939070381	0.29185143	0.36378932	0.713680199	1.034026845	0.271199872	0	0	0.650564746	0.998010319
s_Bacteroides_cellulosilyticus t_SGB1844	0.936101312	0.060416918	0.152299282	0.945553908	0.653950004	0.273312197	0.010185	0.02442	0.428441547	1
s_GGB35551_SGB53794 t_SGB53794	-0.929009698	-0.255670868	0.426261179	0.734480655	1.167708652	0.270867432	0	0	0.70810167	0.998010319
s_Eubacterium_sp_AF28_50 t_SGB5042	-0.9271812745	-0.498487815	0.120614496	0.593974144	0.598137847	0.273925168	0.004785	0	0.376664659	0.987352204
s_Clostridia_bacterium t_SGB14136	-0.918910581	-0.266472508	0.406993817	0.70775448	1.108195392	0.270962123	0	0	0.688054472	0.998010319
s_Clostridia_bacterium t_SGB13981	0.916339686	0.457045703	0.154964911	0.715673604	0.644306277	0.273266847	0	0	0.430681772	0.998010319
s_GGB9633_SGB15091 t_SGB15091	0.910743275	0.387065564	0.228415415	0.368171208	0.756148221	0.272281861	0	0	0.538578363	0.984005226
s_GGB6612_SGB9346 t_SGB9346	0.909044981	0.343554841	0.285044347	0.846108617	0.850324783	0.271750299	0	0	0.571870221	1
s_Streptococcus_mutans t_SGB8000	-0.903846959	-0.272831375	0.395890694	0.904602	1.06462359	0.271019682	0	0	0.682348103	1
s_GGB4584_SGB6338 t_SGB6338	-0.894828635	-0.246357951	0.443316991	0.582060841	1.167263181	0.270788912	0	0	0.716905024	0.985056448
s_GGB9347_SGB14313 t_SGB14313	0.893051998	0.420353194	0.19061969	0.853704428	0.682743999	0.272730466	0	0	0.48692798	1
s_GGB6613_SGB9347 t_SGB9347	-0.893010713	-0.29293431	0.362012009	0.481358949	0.979674769	0.271210493	0	0	0.64919472	0.984005226
s_Dielma_fastidiosal t_SGB4031	-0.89300084	-0.231872897	0.470583684	0.887317221	1.237648658	0.270672532	0	0	0.735071862	1
s_Candidatus_Schneewindia_gallinarum t_SGB63326	0.889793882	0.588754759	0.066942959	0.282901797	0.485802093	0.275549956	0	0	0.268608623	0.984005226
s_Clostridia_bacterium t_SGB15370	0.888131626	0.511846532	0.111219039	0.585746257	0.557613227	0.274149184	0	0	0.358801753	0.985056448
s_Clostridia_bacterium t_SGB4011	0.884042437	0.278553551	0.386057837	0.788878788	1.019905445	0.271072628	0	0	0.675338232	1
s_Butyricimonas_faechominsii t_SGB1786	-0.883335065	-0.321096715	0.317711253	0.399035038	0.884066846	0.271500348	0	0	0.60330801	0.984005226
s_Tyzzerella_nexilis t_SGB4588_group	0.882544502	0.210514765	0.512423314	0.500212102	1.347254211	0.270513711	0	0	0.755668204	0.984005226
s_Catabacter_hongkongensis t_SGB14143	-0.881333909	-0.359670972	0.263052418	0.404025355	0.787463782	0.271939924	0	0	0.552195405	0.984005226
s_Clostridium_sp_AF27_2A t_SGB4712	-0.875284171	-0.429611662	0.18127373	0.324613161	0.654739449	0.272861675	0	0	0.475011161	0.984005226
s_Clostridia_bacterium t_SGB3580	0.869875932	0.275210496	0.391784375	0.104279327	1.01575231	0.271041564	0	0	0.678341021	0.984005226
s_GGB9623_SGB15076 t_SGB15076	-0.867325776	-0.437587698	0.173304292	0.975157619	0.636960712	0.272976949	0	0	0.45785656	1
s_Mediterraneanbacter_massiliensis t_SGB4595	0.862782426	0.449821757	0.373494582	0.105228174	0.616391058	0.273157784	0.00013	0	0.441459745	0.984005226
s_Clostridia_bacterium_12CBH8 t_SGB7259	-0.861895075	-0.496433905	0.122400989	0.943055425	0.557941237	0.273891235	0.00022	0.37792582	1	1
s_Faecalibacterium_prausnitzii t_SGB15322	0.860350653	0.234835766	0.465787851	0.214074114	1.179613557	0.27069222	0	0	0.731138876	0.984005226
s_Eubacterium_sp_AM28_29 t_SGB6796_group	-0.86022706	-0.518729944	0.106493338	0.546027627	0.532926453	0.274266854	0	0	0.357295889	0.984005226
s_Clostridia_bacterium t_SGB4395	0.855574814	0.205667081	0.522182838	0.965674579	1.336868544	0.270479786	0	0	0.763647795	1
s_Clostridia_bacterium t_SGB17347	-0.85497316	-0.471212223	0.141798701	0.785837115	0.581960526	0.273499915	0	0	0.412473422	1
s_Phascloarctobacterium_succinatutens t_SGB5765_group	-0.853741489	-0.310691749	0.330646716	0.1	0.883036366	0.271390197	0	0	0.628155988	1
s_Intestinibacter_bartlettii t_SGB6140	-0.851820099	-0.566185024	0.079089792	0.276951273	0.483487223	0.275119345	0.0623	0.00759	0.308375299	0.984005226
s_Neobuttarella_massiliensis t_SGB7264	-0.849859161	-0.329444696	0.305292853	0.245270814	0.829010319	0.271591312	0	0	0.595738637	0.984005226
s_GGB34228_SGB72916 t_SGB72916	-0.832015892	-0.52269934	0.103841433	0.688178671	0.511534779	0.2743354	0	0	0.357295889	0.998010319
s_GGB9580_SGB14998 t_SGB14998	-0.812861634	-0.222045291	0.489597513	0.912242143	1.176442092	0.27059756	0	0	0.746607134	1
s_Clostridia_bacterium t_SGB14311	0.810458436	0.471203261	0.14257581	0.23675454	0.552736261	0.273485498	0.0763	0.0412473422	0.984005226	1
s_Provetella_copri_cloade t_SGB1613	0.808301734	0.220652034	0.492326219	0.788878788	1.172729325	0.270587192	0	0	0.747218657	1
s_Phocaecola_coprocloa t_SGB1891_group	-0.804793998	-0.246457991	0.443131871	0.976096967	1.049390967	0.27078974	0	0	0.716905024	1
s_Firmicutes_bacterium t_SGB49163	-0.804322825	-0.212670173	0.508114717	0.761532394	1.215400206	0.270529047	0	0	0.754200942	0.998010319
s_Clostridia_unclassified_SGB4367 t_SGB4367	0.802179974	0.419381923	0.191889064	0.379343894	0.614692063	0.272716864	0	0	0.48692798	0.984005226
s_Bacteroides_caccae t_SGB1877	-0.801318721	-0.504981393	0.116095536	0.354026337	0.509947433	0.274033344	0.095395	0.0		

s_Clostridia_bacterium t_SGB14050	0.687172484	0.223338206	0.487072629	0.820576554	0.988776723	0.270607239	0	0	0.746302214	1
s_Flavonifractor_plautii t_SGB15132	0.68617494	0.324558681	0.312521631	0.886171117	0.679418111	0.271537792	0.031335	0.03553	0.60071253	
s_GGB9667_SGB15164 t_SGB15164	0.682967415	0.357686631	0.265452022	0.322541721	0.613298423	0.271918292	0.001835	0.00666	0.553312332	0.984005226
s_Clostridiales_bacterium t_SGB15158	0.682302725	0.276213515	0.300600489	0.866419816	0.793851253	0.271050845	0	0	0.678341021	1
s_GGB9636_SGB15107 t_SGB15107	-0.681833491	-0.212571163	0.508312218	0.596853958	0.130788296	0.270528339	0	0	0.754200942	0.987352204
s_Lachnospira_SGB5077 t_SGB5077	-0.673000401	-0.249977584	0.436647191	0.622942542	0.865186539	0.270819087	0	0	0.714755874	0.998010319
s_Clostridia_unclassified_SGB6276 t_SGB6276	-0.670951799	-0.340511888	0.289332352	0.510921564	0.633219879	0.271715457	0	0	0.578664704	0.984005226
s_Bacteroidaceae_bacterium t_SGB1404	-0.666821849	-0.239077569	0.456907154	0.815378402	0.896327018	0.270729543	0	0	0.725293063	1
s_Clostridia_unclassified_SGB13972 t_SGB13972	0.666457262	0.195426655	0.543108803	0.532109341	0.095323996	0.270410707	0	0	0.777691909	0.984005226
s_Lactonifractor_sp_BIOML_4 t_SGB48013	0.66500265	0.220938345	0.491764811	0.180806801	0.9627270128	0.270589317	0	0	0.747218517	0.984005226
s_Erysipelatoclostridium_amosum t_SGB6744	-0.660745599	-0.209542886	0.514372282	0.941284152	0.1013343891	0.270506846	0	0	0.755668204	1
s_Ruminococcaceae_unclassified_SGB15265 t_SGB15265_group	-0.658419452	-0.389249486	0.225800929	0.425549357	0.543588302	0.272310181	0.175675	0	0.536904432	0.984005226
s_Methanobrevibacter_smithii t_SGB714_group	0.656641575	0.390894997	0.223845163	0.89360342	0.539838383	0.272331622	0.001755	0	0.534232694	1
s_Clostridia_bacterium t_SGB15405	-0.655979979	-0.230286565	0.473624712	0.738710247	0.915413852	0.270660212	0	0	0.736239867	0.998010319
s_Ruminococcus_lactaris t_SGB4557	-0.655060863	-0.367453109	0.252863548	0.192994894	0.572895253	0.272034552	0.04652	0	0.546953352	0.984005226
s_Clostridia_bacterium t_SGB14198	0.653874386	0.26830495	0.403775392	0.942822333	0.783179185	0.270978572	0	0	0.68759629	1
s_Phocaicola_vulgatus t_SGB1814	-0.653084121	-0.379985062	0.23703989	0.38557532	0.552329319	0.27219112	0.71041	0.62671	0.538578363	0.984005226
s_GGB3293_SGB4348 t_SGB4348	-0.652042462	-0.36300786	0.258649363	0.857107173	0.577222463	0.271980255	0	0	0.548029344	1
s_Alistipes_fingoldii t_SGB2301	0.651770177	0.315294562	0.326534844	0.938386624	0.664314145	0.271438482	0.02764	0.04112	0.618393421	1
s_Oscillospira_bacterium_NJSJ_64 t_SGB82503	0.648447537	0.368923816	0.25093692	0.435481646	0.564850671	0.272052659	0.000135	0.00062	0.546953352	0.984005226
s_Ruminococcaceae_unclassified_SGB15260 t_SGB15260	0.640453973	0.283084454	0.37837863	0.843653699	0.075052227	0.271115324	0	0	0.666307945	1
s_GGB9361_SGB14336 t_SGB14336	0.635366047	0.209959347	0.513536657	0.281577808	0.972488081	0.270509784	0	0	0.755668204	0.984005226
s_Clostridia_bacterium t_SGB14209	-0.633942318	-0.241930298	0.45155432	0.755495329	0.842083154	0.270752596	0	0	0.720259555	0.998010319
s_Eisenbergiella_massiliensis t_SGB4987	-0.626616927	-0.146911277	0.647562542	0.825187198	1.370700226	0.270311399	0	0	0.853383412	1
s_Ruminococcaceae_bacterium t_SGB43319	-0.625483201	-0.300270719	0.350114619	0.734480655	0.669419197	0.271283469	0	0	0.642210243	0.998010319
s_Parabacteroides_merdae t_SGB1949	0.62295647	0.45083246	0.154030081	0.477925502	0.437027524	0.273282651	0.100965	0.10953	0.429944835	0.984005226
s_Clostridia_bacterium t_SGB15374	-0.62010512	-0.369175557	0.25064068	0.523561175	0.539793779	0.272055765	0	0	0.546953352	0.984005226
s_Merdbacter_massiliensis t_SGB29307	-0.619222816	-0.282207352	0.3798578	0.70775448	0.705138006	0.271107005	0	0	0.666307945	0.998010319
s_GGB9618_SGB15064 t_SGB15064	-0.611480845	-0.200160042	0.533384588	0.640536831	0.981750135	0.270442201	0	0	0.776331691	0.998010319
s_Clostridium_sp_AM22_11A t_SGB4749	0.608359413	0.51204241	0.11108231	0.264175689	0.381812195	0.274152512	0.04543	0.10119	0.538807153	0.984005226
s_Firmicutes_bacterium t_SGB4063	0.60635711	0.363590235	0.257886179	0.30469165	0.535934555	0.271987332	0	0	0.548029344	0.984005226
s_Clostridium_sp_AF20_17 t_SGB4714	-0.604550338	-0.455369548	0.156484227	0.069981898	0.426624367	0.273241391	0.028395	0	0.433029627	0.984005226
s_Coprococcus_eutactus t_SGB5117	-0.603523993	-0.293822015	0.360559102	0.805370784	0.660093877	0.271219228	0	0	0.648400403	1
s_GGB1420_SGB1957 t_SGB1957	0.599258388	0.365160362	0.255836366	0.21674363	0.572382363	0.272006466	0	0.02816	0.548029344	0.984005226
s_Faecalibacillus_intestinalis t_SGB6754	0.597222176	0.467292088	0.14591983	0.414656341	0.410717298	0.273424445	0.07557	0.06036	0.418216657	0.984005226
s_Ruminococcaceae_bacterium t_SGB14925	-0.595010872	-0.216041919	0.501413009	0.810990422	0.885079622	0.270553349	0	0	0.753656111	1
s_Enterocloster_lavalensis t_SGB4725	0.59103864	0.193041649	0.548041762	0.973301868	0.983921276	0.270395123	0	0	0.781872914	1
s>Anaerostipeschariphilis t_SNSJ_68 t_SGB4772	-0.587366968	-0.357925249	0.265376414	0.174732672	0.572366673	0.27191897	0.00124	0	0.553312332	0.984005226
s_GGB58158_SGB79798 t_SGB79798	0.58540614	0.401291474	0.211768168	0.186144255	0.468805651	0.272469142	0.00112	0.00311	0.589112839	0.984005226
s_Lachnospirillum_sp_An138 t_SGB4774	-0.580106571	-0.160396453	0.617969471	0.66957199	1.162273988	0.270200968	0	0	0.513115673	0.998010319
s_Clostridia_bacterium t_SGB14253	-0.578952208	-0.334651794	0.297712094	0.596537869	0.555961931	0.271649291	0	0	0.588095891	0.987352204
s_Romboutsia_timonensis t_SGB6148	-0.571289692	-0.514896058	0.109105402	0.402829377	0.356559751	0.274201127	0.121375	0.06712	0.538807153	0.984005226
s_Clostridium_saccharogumii t_SGB6749	0.570037369	0.189166502	0.556103735	0.371390082	0.968399574	0.270370207	0	0	0.788120525	0.984005226
s_GGB9561_SGB14972 t_SGB14972	0.569048773	0.196908313	0.540055434	0.942822333	0.928711744	0.270420485	0	0	0.777456311	1
s_Lachnospiraceae_bacterium_NJSJ_29 t_SGB25431	0.566328305	0.377900429	0.239622397	0.400186424	0.481599891	0.272164718	0.00388	0.0103	0.538578363	0.984005226
s_Eggerthellaceae_unclassified_SGB14322 t_SGB14322_group	0.565565098	0.439855175	0.170171024	0.253131805	0.417027686	0.273010098	0.01213	0.05505	0.45775327	0.984005226
s_Blautia_glucerase t_SGB4816	0.557595076	0.306409823	0.34035187	0.484662742	0.584805895	0.271345907	0.0044	0	0.633350337	0.984005226
s_GGB9705_SGB15224 t_SGB15224	0.555454813	0.352462637	0.272737909	0.408492887	0.506443666	0.271854052	0	0.02056	0.559421384	0.984005226
s_GGB1266_SGB1699 t_SGB1699	-0.553144966	-0.207144546	0.19198263	0.539062641	0.858145555	0.270490042	0	0	0.761016632	0.984005226
s_Clostridia_bacterium t_SGB15373	0.551125967	0.438901165	0.172017411	0.218461834	0.403533539	0.27299613	0.051205	0.11654	0.450775327	0.984005226
s_Mogibacterium_diversum t_SGB3922	-0.541555411	-0.255354755	0.426846334	0.833872602	0.681544861	0.27086472	0	0	0.70810167	1
s_Ruminococcus_torques t_SGB4608	0.539861422	0.252666445	0.482543693	1	0.76879545	0.270624809	0.01567	0.01088	0.742758487	0.984005226
s_GGB9494_SGB14891 t_SGB14891	0.538944824	0.339331123	0.291070797	0.023511452	0.510406396	0.271702019	0.001565	0.01906	0.575875003	0.837442007
s_GGB58233_SGB79883 t_SGB79883	-0.533354407	-0.309957553	0.334798306	0.696396858	0.552979665	0.271382559	0	0	0.628466013	0.998010319
s_Clostridium_fessum t_SGB4705	-0.532234345	-0.482197006	0.133491182	0.237079229	0.354710368	0.273659762	0.135285	0.08584	0.400473545	0.984005226
s_Lachnospiraceae_bacterium t_SGB4669	0.524583488	0.34931764	0.270741823	0.106060628	0.482602531	0.271817122	0	0.0909	0.562850772	0.984005226
s_Coriobacteriales_unclassified_SGB72475 t_SGB72475_group	0.523366679	0.179195309	0.577110212	0.616833792	0.930587754	0.27030841	0	0	0.803764764	0.998010319
s_Clostridia_bacterium t_SGB14263	0.521105926	0.185921701	0.562898524	0.709889584	0.902732356	0.270349732	0	0	0.794243632	0.998010319
s_Actinomyces_sp_ICM47 t_SGB17167	-0.520327752	-0.242588183	0.450324923	0.757905153	0.689291375	0.27075795	0	0	0.720259555	1
s_Lachnospiraceae_bacterium t_SGB15154	0.519560769	0.469921913	0.14366481	0.058440148	0.355308953	0.273465442	0.085855	0.13058	0.413600064	0.972580875
s_Lachnospiraceae_bacterium_WCA3_601_WT_6H t_SGB4910	-0.518748847	-0.333310617	0.299652515	0.39568035	0.500157309	0.271634218	0.08728	0.0114	0.590113234	0.984005226
s_Lentisphaeria_bacterium t_SGB9203	0.517711238	0.25279587	0.430754596	0.194455464	0.65947907	0.270838505	0.00029	0.02008	0.713685482	0.984005226
s_Christensenellaceae_bacterium t_SGB3813	-0.517331351	-0.248202128	0.439911526	0.409957447	0.669821054	0.270804232	0	0	0.714995434	0.984005226
s_Ruminococcaceae_unclassified_SGB15236 t_SGB15236	0.516935489	0.380768453	0.236745004	0.460025531	0.436285606	0.272201079	0.0674	0.15387	0.538578363	0.984005226
s_Ruminococcus_calidus t_SGB4422	-0.516838679	-0.225121765	0.483601159	0.96250047	0.737790431	0.270620683	0	0	0.742755847	1
s_GGB9059_SGB13976 t_SGB13976	-0.516383739	-0.171921358	0.592664422	0.887317221	0.965246471	0.270265431	0	0	0.812121435	1
s_Faecalibacillus_faecis t_SGB6750	-0.514710254	-0.199032469	0.535693052	0.437989957	0.83106384	0.270434631	0	0	0.776331691	0.984005226
s_Ruminococcaceae_unclassified_SGB4425 t_SGB4425_group	-0.514634074	-0.21166071	0.510130324	0.969036147	0.781364697	0.270521845	0	0	0.754616613	1
s_Clostridia_bacterium_UC5_1_1D t_SGB14995	-0.511765624	-0.116373681	0.177258145	0.138189167	1.413226707	0.269995788	0.00098	0.0068	0.892155714	0.984005226
s_Holdemania_sp_Marseille_P284 t_SGB4045	0.511067303	0.26754371	0.480435309	0.582060841	0.724290909	0.270633082	0	0	0.74414103	0.985056448
s_Lachnospiraceae_bacterium t_SGB4781	0.506074627	0.586622836	0.06793252	0.19384081	0.277236939	0.27550859	0.065655	0.12641	0.270905069	0.984005226
s_Alistipes_shahii t_SGB2295	-0.501575943	-0.19629755	0.54133039	0.840554575	0.821140201	0.270416448	0.194625	0.17497	0.777456311	1
s_Catenibacterium_sp_AM22_15 t_SGB6783_group	0.501032994	0.144510158	0.65294171	0.788964916	1.114200747	0.270119417	0			

s_GGB9618_SGB15065 t_SGB15065	-0.41932543	-0.178627812	0.578316927	0.517662349	0.754392947	0.270304993	0	0	0.803764764	0.984005226
s_GGB3570_SGB4777 t_SGB4777	-0.411310552	-0.319408814	0.320261849	0.357285996	0.413826646	0.271482236	0.029145	0	0.60830801	0.984005226
s_Clostridia_bacterium t_SGB3982	-0.409765486	-0.141037784	0.660752745	0.991549255	0.933674284	0.270102721	0	0	0.863957764	1
s_Lachnospiraceae_bacterium t_SGB5200	0.407958096	0.199616047	0.534497674	0.436269308	0.656773471	0.270438543	0	0.00048	0.776331691	0.984005226
s_Phoceaicola_massiliensis t_SGB1812	-0.398071696	-0.213765026	0.505933438	0.308427424	0.598439351	0.270536896	0.007765	0	0.754200942	0.984005226
s_Oscillibacter_sp_ER4 t_SGB15254	0.392393638	0.377786991	0.239763494	0.272427617	0.333787796	0.272163285	0.38098	0.83391	0.538578363	0.984005226
s_Clostridium_scindens t_SGB4630_group	0.389637931	0.11526443	0.719839034	0.989355433	1.086329112	0.269991459	0	0	0.892155714	1
s_Clostridiaceae_bacterium t_SGB4770	0.385975916	0.253833354	0.429606272	0.4914596	0.488660252	0.270851711	0.006585	0.00938	0.710843367	0.984005226
s_Clostridium_sp_Marseille_P3244 t_SGB29302	-0.385068114	-0.134582919	0.675370922	0.462589079	0.91948175	0.27007276	0.00036	0.00148	0.874169621	0.984005226
s_Blauita_sp_OF03_15B t_SGB4778	-0.384030719	-0.259221016	0.419879318	0.477927621	0.476092404	0.270898125	0	0	0.700162395	0.984005226
s_GGB9637_SGB15111 t_SGB15111	0.373677785	0.121581965	0.705183598	0.351130204	0.987696738	0.270016665	0	0	0.889445717	0.984005226
s_Alistipes_putredinis t_SGB2318	-0.373464483	-0.327817557	0.307687759	0.474863357	0.366110845	0.271573401	0.52603	0.26736	0.596784113	0.984005226
s_Clostridia_bacterium t_SGB3969	0.372038515	0.147960699	0.645217294	0.274585617	0.808047747	0.27013641	0	0	0.853278091	0.984005226
s_Actinomyces_SGB17154 t_SGB17154	0.370940947	0.17858399	0.578410157	0.718684639	0.667509961	0.270304729	0	0	0.803764764	0.984005226
s_GGB9640_SGB15115 t_SGB15115	-0.368095687	-0.178641898	0.578286959	0.33884375	0.662175184	0.270305078	0	0	0.803764764	0.984005226
s_GGB9818_SGB15459 t_SGB15459	-0.364511642	-0.21243666	0.508580501	0.385741531	0.551413551	0.270527378	0	0.00534	0.754200942	0.984005226
s_Clostridia_bacterium t_SGB3989	-0.362474309	-0.215524993	0.502437407	0.676122018	0.540474349	0.270549599	0	0	0.753656111	0.984005226
s_Rothia_mucilaginosa t_SGB16986	0.361992529	0.096872616	0.763076536	0.887317221	1.200864698	0.269925723	0	0	0.909880208	1
s_Anaerobutyrum_hallii t_SGB4532	-0.361786989	-0.513092126	0.013011842	0.134052393	0.26596494	0.274170365	0.720985	0.71749	0.358807153	0.984005226
s_Lentisphaeria_bacterium t_SGB9153	0.357347511	0.093143978	0.717938154	0.129179478	1.232910291	0.269913785	0	0	0.909880208	0.984005226
s_Candidatus_Neoclostridium_rossinensis t_SGB14018	0.356396752	0.112715983	0.72578056	0.713680199	1.016170299	0.269981672	0	0	0.896059845	0.984005226
s_GGB9537_SGB14940 t_SGB14940	-0.353660074	-0.147750651	0.465686429	0.366149145	0.769222764	0.270135364	0	0	0.853278091	0.984005226
s_Bifidobacterium_longum t_SGB17248	-0.353456276	-0.272187005	0.397007645	0.901264608	0.417314819	0.271013788	0.57777	0.5438	0.862348103	1
s_GGB6649_SGB3931 t_SGB3931	-0.353387748	-0.21597578	0.501544015	0.695139081	0.52582585	0.270552869	0	0	0.753656111	0.984005226
s_Christensenellaceae_bacterium t_SGB14127	0.352234942	0.237216167	0.460419002	0.182404698	0.477181555	0.270714648	0.003135	0.01213	0.727495214	0.984005226
s_Blauita_faecis t_SGB4820	0.351232583	0.287177978	0.371522205	0.042784309	0.393042181	0.271154484	0.33238	0.83973	0.662547933	0.858360201
s_Anaerotruncus_coliformis t_SGB14963	-0.350125248	-0.119215072	0.710661862	0.935653695	0.943816922	0.270007065	0	0	0.892155714	1
s_Clostridium_symbiosum t_SGB4699	-0.348345211	-0.115694722	0.718837495	0.927831551	0.967590943	0.269993134	0	0	0.892155714	1
s_GGB4596_SGB6358 t_SGB6358	-0.348047539	-0.104280981	0.7456524	0.937253707	1.072578173	0.269950833	0	0	0.9065361	1
s_Holdemania_massiliensis t_SGB4044	-0.346843189	-0.093652372	0.770728102	1	1.190172424	0.269915385	0	0	0.909880208	1
s_Candidatus_Parachristensenella_avicola t_SGB58519	0.345183081	0.179077221	0.667862726	0.148249522	0.804373934	0.270088015	0	0	0.869648424	0.984005226
s_Clostridiaceae_bacterium_NSJ_31 t_SGB14839	-0.343156298	-0.172856017	0.59626817	0.925595927	0.637797398	0.270270854	0	0	0.811221435	1
s_GGB3034_SGB4030 t_SGB4030	0.339564338	0.177640967	0.580418153	0.722982665	0.61429141	0.270299077	0.00023	0.00101	0.804813077	0.984005226
s_Gemmiger_fornicilis t_SGB15300	0.339089095	0.23457216	0.465433223	0.272427617	0.464550416	0.270693689	0.50968	0.90961	0.731138876	0.984005226
s_Streptococcus_thermophilus t_SGB8002	-0.338599588	-0.189701089	0.554988132	0.693396643	0.573603903	0.270373615	0.045185	0.02622	0.788120525	0.984005226
s_Faecalibacterium_prausnitzii t_SGB15317	0.337124239	0.191581447	0.55107282	0.54270982	0.565499224	0.270386575	0.192475	0.21704	0.784539992	0.984005226
s_Clostridium_sp_AF34_13 t_SGB4659	-0.333698665	-0.149221015	0.642405398	0.902333752	0.71902291	0.270142716	0	0	0.853278091	1
s_Clostridia_unclassified_SGB66170 t_SGB66170	0.331646488	0.151884944	0.636478773	0.582219342	0.701707591	0.270156221	0	0.00027	0.851290358	0.984005226
s_Clostridiales_unclassified_SGB15145 t_SGB15145	-0.327730255	-0.217279583	0.498964815	0.090746277	0.484722425	0.270562365	0.02729	0	0.753656111	0.984005226
s_Dorea_longicatena t_SGB4581	-0.325879097	-0.301111279	0.348767507	0.079052263	0.37496316	0.271291944	0.520815	0	0.642210243	0.984005226
s_GGB9522_SGB14921 t_SGB14921	0.323073208	0.3051553	0.342332527	0.326182272	0.340232286	0.271333047	0.018205	0.04639	0.835195036	0.984005226
s_Streptococcus_sp_A12 t_SGB8059_group	0.319680636	0.171355381	0.593848651	0.886354811	0.599534363	0.270262161	0	0	0.811221435	1
s_Firmicutes_bacterium_AF16_15 t_SGB4993	-0.316784526	-0.266321537	0.407205656	0.338598265	0.382254994	0.270960773	0.171495	0.07758	0.688054472	0.984005226
s_Hungateella_hathewayi t_SGB4741	-0.316694449	-0.10069657	0.754020531	0.595591774	1.010697681	0.269938454	0	0	0.909880208	0.984005226
s_GGB9774_SGB15394 t_SGB15394	0.312039148	0.123812439	0.700035027	0.742070999	0.809916601	0.270025885	0	0	0.888186734	0.984005226
s_Ruminococcus_bromii t_SGB4285_group	0.31139422	0.123289614	0.508674467	0.976079435	0.471164724	0.270527042	0.28954	0.32879	0.754200942	1
s_Massiliaceae_timonensis t_SGB7253	0.310104497	0.147637373	0.645939489	0.385119193	0.675005407	0.2701348	0	0.00013	0.853278091	0.984005226
s_Clostridia_bacterium t_SGB13983	-0.30900644	-0.156663245	0.625906427	0.499861713	0.633863739	0.270181042	0	0	0.840652565	0.984005226
s_Dorea_fornicigenans t_SGB4575	-0.303626174	-0.295902632	0.357168118	0.265451145	0.329750814	0.271239804	0.14246	0.11145	0.647457076	0.984005226
s_Lachnospiraceae_bacterium t_SGB5062	0.303114473	0.099213601	0.757528608	0.628623912	0.98181793	0.269933458	0	0	0.909880208	0.984005226
s_Lachnospiraceae_unclassified_SGB4894 t_SGB4894	0.300234449	0.128012597	0.690377352	0.334954122	0.753708318	0.270043701	0	0	0.879557649	0.984005226
s_Faecalibacterium_prausnitzii t_SGB15332_group	0.295554047	0.243544298	0.448541656	0.724246877	0.38999087	0.270765758	0.55535	0.86807	0.720259555	0.984005226
s_Ruminococcaceae_bacterium t_SGB15272	0.295290793	0.151077787	0.638272078	0.569978526	0.628123135	0.270152104	0.004295	0.00817	0.851914083	0.984005226
s_Lachnospiraceae_bacterium t_SGB48424	0.291003654	0.086028508	0.789839049	0.205001136	0.187055067	0.2698923	0	0	0.910239334	0.984005226
s_GGB9608_SGB15041 t_SGB15041	-0.290977972	-0.167061867	0.603614968	0.658444388	0.559729605	0.270237707	0	0	0.819542441	0.984005226
s_Lachnospiraceae_bacterium t_SGB4706	-0.288995298	-0.264420197	0.410616516	0.40825907	0.351230037	0.270943833	0.031355	0.00388	0.690196361	0.984005226
s_Desulfovibrio_piger t_SGB15467_group	0.288126036	0.174676609	0.586751386	0.226054312	0.530082234	0.270281502	0.06464	0.810095462	0.984005226	1
s_GGB3256_SGB4303 t_SGB4303	0.284507873	0.149426017	0.641948501	0.74630288	0.611876207	0.270143747	0	0	0.853278091	0.984005226
s_GGB9350_SGB14317 t_SGB14317	0.282895234	0.097188715	0.360376077	0.518589741	1.148042147	0.269873255	0	0	0.911399613	0.984005226
s_Phaseolactobacterium_faecium t_SGB5792	-0.280601128	-0.096337205	0.764347136	0.86230719	0.936032366	0.26992398	0	0	0.909880208	1
s_Candidatus_Cibiobacter_cubialis t_SGB15286	0.279120309	0.30868382	0.338780267	0.355881934	0.290584917	0.271369352	0.916655	0.91723	0.628525964	0.984005226
s_Dysosmobacter_sp_NSJ_60 t_SGB15124	-0.276410863	-0.173605382	0.589607487	0.885055236	0.511667012	0.270275223	0.005575	0.00632	0.811221435	1
s_Coprobacter_fastidiosus t_SGB1963	-0.27572361	-0.145819131	0.650006991	0.208208303	0.607605202	0.270125816	0.012185	0	0.853383412	0.984005226
s_Candidatus_Geddesella_stercoravicala t_SGB14262	-0.275700508	-0.090097715	0.779200175	0.734480655	0.983375535	0.269904378	0	0	0.909880208	0.984005226
s_Sellimonas_intestinalis t_SGB4617	0.274844805	0.103396682	0.747746277	0.838351619	0.854233158	0.269947739	0	0	0.906924265	1
s_Streptococcus_salvarius t_SGB8007_group	0.266523298	0.08569716	0.789724781	0.96197594	0.999457305	0.269891341	0.033255	0.06959	0.910239334	0.984005226
s_GGB3614_SGB4886 t_SGB4886	-0.264014686	-0.105380587	0.742973473	0.273290245	0.80512436	0.269954718	0	0	0.905814403	0.984005226
s_Senegalimassilia_aerobactin t_SGB14824_group	0.259867312	0.157913586	0.623152488	0.526975355	0.52884400	0.270187663	0.035755	0.10682	0.83870838	0.984005226
s_Blauita_faecicola t_SGB4867	-0.254360847	-0.073101155	0.702564361	0.427191924	1.118205235	0.26985763	0	0	0.919406294	0.984005226
s_Phoceaicola_doreij t_SGB1815	0.253919824	0.113550075	0.782334006	0.350702121	0.718628904	0.269984851	0.092435	0.24326	0.895378593	0.984005226
s_GGB9602_SGB15031 t_SGB15031	0.253076633	0.128136156	0.690094	0.488975665	0.63471075	0.270044234	0.024445	0.12197	0.879557649	0.984005226
s_Clostridia_bacterium t_SGB14250	0.25102545	0.103343405	0.685039536	0.991345754	0.618905283	0.270053844	0	0	0.879557649	1
s_Actinomyces_bouchesdunensis t_SGB17152	-0.247785971	-0.090073219	0.77925869							

s_Latilactobacillus_sakei t_SGB7248	0.152602444	0.051471147	0.872750888	0.571393351	0.952781118	0.26981221	0	0	0.937924117	0.985056448
s_GGB9608_SGB15042 t_SGB15042_group	-0.151158761	-0.049127256	0.878499476	0.478635778	0.988795104	0.269808236	0	0	0.941563712	0.984005226
s_Candidatus_Avimonas_narfa t_SGB14941	0.149645617	0.078387999	0.807289877	0.990797888	0.613493432	0.269871128	0	0	0.911399613	1
s_Blaugia_massiliensis t_SGB4826_group	0.148086947	0.120011279	0.708817325	0.462436597	0.396542931	0.270010273	0.263245	0.59677	0.892155714	0.984005226
s_Clostridia_bacterium t_SGB15390	-0.14657688	-0.053749966	0.867168324	0.503667689	0.87636047	0.269816253	0	0.00202	0.937924117	0.984005226
s_Lachnospiraceae_bacterium t_SGB4750	0.146273451	0.137977622	0.667667318	0.666857319	0.340684479	0.270088342	0.030435	0.00913	0.86964824	0.998010319
s_Ruminococcus_torques t_SGB4563_group	0.146037007	0.11136624	0.728934118	0.908135865	0.421410028	0.269976576	0.317535	0.41263	0.89650518	1
s_Blaugia_sp_MSK_20_85 t_SGB4828_group	0.144036771	0.083012761	0.796163931	0.680055659	0.557601601	0.269883709	0.043415	0	0.911118081	0.998010319
s_GGB9787_SGB15410 t_SGB15410	-0.143416805	-0.088565252	0.78260841	0.311162031	0.520393879	0.269899764	0.00588	0	0.909880208	0.984005226
s_Faecalibacterium_corticis t_SGB4613	-0.143231311	-0.091595474	0.775627218	0.566427417	0.502527054	0.269908964	0.00056	0.00194	0.909880208	0.985056448
s_GGB9615_SGB15053 t_SGB15053_group	-0.141767026	-0.117369984	0.714942799	0.908135865	0.388162594	0.269999711	0.127715	0.09428	0.892155714	1
s_Clostridia_bacterium t_SGB15395	0.139898247	0.072879967	0.820591599	0.753100038	0.616878449	0.269857085	0	0	0.919406294	0.998010319
s_Clostridia_bacterium t_SGB3988	0.139223711	0.09180533	0.775126972	0.481372326	0.487349816	0.269909612	0.002195	0	0.909880208	0.984005226
s_GGB9291_SGB14248 t_SGB14248	0.1390303	0.062213424	0.846494945	0.548005955	0.711891541	0.269832797	0	0	0.927447002	0.984005226
s_Barnesiella_intestinalis t_SGB1965	-0.13542267	-0.10513233	0.743557929	0.584367213	0.413952567	0.269953837	0.20471	0.03682	0.905814403	0.985056448
s_Ruminococcaceae_bacterium t_SGB15278	-0.135410989	-0.057018706	0.859172311	0.872331905	0.76318891	0.269822356	0	0	0.934895972	1
s_Erysipelotrichaceae_bacterium t_SGB4029	0.135401159	0.063167998	0.844169583	0.826545302	0.688843819	0.269834814	0	0	0.927447002	1
s_Sutterella_wadsworthensis t_SGB9283	0.131129785	0.06189953	0.844259889	0.660102037	0.680784244	0.26983214	0.00816	0.13459	0.927447002	0.998010319
s_GGB45495_SGB63167 t_SGB63167	-0.130472441	-0.06316939	0.885400466	0.498399848	0.905262311	0.269803714	0	0	0.934596497	0.984005226
s_Holdemania_filiformis t_SGB4046	-0.129305135	-0.078965965	0.805897261	0.896619655	0.52622481	0.269872661	0.001455	0.00119	0.911399613	1
s_Clostridia_bacterium t_SGB47427	-0.12832675	-0.030047566	0.925055796	0.788964916	1.372471714	0.269782768	0	0	0.96771146	1
s_Dysosmobacter_welbionis t_SGB15078	-0.127817454	-0.05154406	0.872572167	0.219905512	0.796905886	0.269812337	0.072545	0.1696	0.937924117	0.984005226
s_Clostridia_bacterium t_SGB14861	-0.124422433	-0.089501498	0.780623837	0.626462026	0.446749301	0.269902573	0.2832	0.39155	0.909880208	0.998010319
s_Clostridium_sp_AF36_4 t_SGB4644	-0.121105719	-0.086256211	0.788385557	0.378111334	0.451200709	0.269892961	0.087385	0.05817	0.910239334	0.984005226
s_GCB9633_SGB15090 t_SGB15090	0.120676072	0.052044963	0.871344565	0.745935142	0.745140135	0.269813212	0	0	0.937924117	0.998010319
s_Bacteroides_eggerthii t_SGB1829	-0.117517126	-0.045711009	0.886889516	0.587770648	0.826182238	0.269802774	0	0	0.943596497	0.985056448
s_Clostridia_unclassified_SGB6317 t_SGB6317	-0.115126492	-0.044206198	0.890589297	0.90442577	0.836927046	0.269800493	0	0	0.945055089	1
s_Agathobaculum_butyliciproducens t_SGB14993_group	0.11384517	0.086812233	0.78705407	0.871533867	0.421433618	0.269894583	0.236385	0.24348	0.910239334	1
s_GGB9621_SGB15073 t_SGB15073	0.11303971	0.069490509	0.828803018	0.734497041	0.52275842	0.269848952	0.008015	0.00696	0.924144685	0.998010319
s_GGB9712_SGB15244 t_SGB15244	-0.11685555	-0.061876763	0.847315377	0.437989957	0.580049315	0.269832093	0	0	0.927447002	0.984005226
s_Lacrimispora_celerecrescens t_SGB4868	0.111432452	0.071748262	0.82333117	0.808685866	0.499109457	0.269854327	0.27682	0.23574	0.92086866	1
s_GGB38171_SGB72433 t_SGB72433_group	0.110286759	0.08325912	0.795572397	0.490630491	0.425683733	0.269884399	0	0.01828	0.911118081	0.984005226
s_Faecalimonas_umblicata t_SGB4583	-0.108402442	-0.026575489	0.934093073	0.764200318	1.310850879	0.269779454	0	0	0.967777047	0.998010319
s_Lachnospiraceae_bacterium t_SGB5060	0.107616905	0.063079702	0.844384618	0.973301868	0.548259752	0.269834626	0	0	0.927447002	1
s_Clostridia_bacterium t_SGB4531	0.106341763	0.025491651	0.936775228	0.089913017	1.340606712	0.269778502	0	0	0.967777047	0.984005226
s_Ruminococcaceae_unclassified_SGB15234 t_SGB15234	-0.103897764	-0.046965464	0.883807146	0.190425283	0.710923837	0.269804734	0.022955	0	0.943596497	0.984005226
s_Clostridiaceae_bacterium_OM08_6BH t_SGB4768	0.101674725	0.08449687	0.792602207	0.540911276	0.386694398	0.269887898	0.042995	0.02228	0.910287328	0.984005226
s_Clostridiales_bacterium_BX7 t_SGB72833	0.101041417	0.046702251	0.884453752	0.235140524	0.695275794	0.269804318	0	0	0.943596497	0.984005226
s_Eubacterium_rectale t_SGB4933_group	0.099738333	0.091833926	0.770558813	0.804612463	0.349023325	0.269909701	1.583285	1.29935	0.909880208	1
s_Fuscatenibacter_saccharivorans t_SGB4874	0.098360404	0.1067397	0.739778177	0.710363014	0.296135057	0.269959575	0.99057	1.0941	0.905814403	0.998010319
s_Roseburia_faecis t_SGB4925	-0.098200807	-0.067129983	0.834532837	0.338592685	0.470104075	0.269843516	0.71457	0.07587	0.926731626	0.984005226
s_Lachnospiraceae_bacterium t_SGB4780	-0.096469516	-0.089037448	0.78173238	0.531951286	0.34818727	0.269901177	0.094305	0.06439	0.909880208	0.984005226
s_Clostridia_bacterium t_SGB3952	-0.095519178	-0.079641255	0.804270923	0.865079326	0.385432188	0.269874466	0.00441	0.0054	0.911399613	1
s_Ruminococcaceae_bacterium t_SGB15249	0.09460309	0.081790063	0.767769497	0.946440399	0.388820589	0.269870606	0.157275	0.08753	0.911399613	1
s_Clostridiaceae_unclassified_SGB4769 t_SGB4769	-0.093326336	-0.062390784	0.846062789	0.645269882	0.480705695	0.269833169	0.009245	0.00814	0.927447002	0.998010319
s_Adlercreutzia_liquifaciens t_SGB14797_group	-0.092340334	-0.055153673	0.836037281	0.331448367	0.538037438	0.26981883	0.03143	0.08041	0.937924117	0.984005226
s_Clostridia_bacterium t_SGB15401	0.091459202	0.036680352	0.916530711	0.571118917	0.872662436	0.269786671	0	0	0.965272503	0.985056448
s_Bifidobacterium_bifidum t_SGB15452	-0.088455181	-0.067622725	0.833336044	0.767551079	0.420364569	0.269844635	0.101005	0.02094	0.926731626	0.99528991
s_Raoultibacter_massiliensis t_SGB3359	0.088371033	0.029018317	0.928050641	0.358182523	0.978663068	0.269781743	0	0	0.967731467	0.984005226
s_Clostridia_bacterium t_SGB42551	-0.088096083	-0.025796772	0.930200777	0.277317858	0.197455027	0.269778766	0	0	0.967777047	0.984005226
s_Bacteroides_ovatus t_SGB1871	-0.085972722	-0.051366355	0.873007758	0.451895042	0.537870135	0.269812029	0.06079	0.04925	0.937924117	0.984005226
s_Coprococcus_catus t_SGB4670	0.084373269	0.108837723	0.734854999	0.668102916	0.594127073	0.269967195	0.16271	0.15925	0.902057995	0.998010319
s_Actinomyces_sp_ICM58 t_SGB17169	-0.076146654	-0.030695187	0.923903515	0.428324743	0.797216045	0.269783431	0	0	0.967653577	0.984005226
s_Clostridiaceae_bacterium t_SGB4269	0.076060538	0.073610525	0.818824265	0.682442743	0.332058784	0.269858889	0.20123	0.25916	0.919406294	0.998010319
s_Anaerofustis_stercorihominis t_SGB49059	-0.075869792	-0.032564814	0.912985712	0.496244603	0.74871371	0.269785425	0	0	0.965927049	0.984005226
s_Bifidobacterium_adolescentis t_SGB17244	-0.075241595	-0.05141316	0.872893026	0.736955712	0.470304567	0.26981211	0.845335	1.31965	0.937924117	0.998010319
s_GGB6606_SGB9340 t_SGB9340	0.072046213	0.03067975	0.923943369	0.221550286	0.754666091	0.269783415	0	0	0.967653577	0.984005226
s_Roseburia_inulinivorans t_SGB4940	-0.071969074	-0.061598828	0.847998282	0.554935351	0.37546457	0.269831514	0.118045	0.07035	0.927447002	0.985056448
s_Blaugia_obum t_SGB48411_group	0.069219622	0.058760188	0.854918123	0.574416794	0.378565946	0.269825755	0.244485	0.15847	0.931846239	0.985056448
s_Bacteroides_thetaiotaomicron t_SGB1861	0.068999688	0.034233313	0.915165454	0.612997514	0.64772953	0.269787304	0.08908	0.08711	0.965272503	0.998010319
s_Ruminococcaceae_bacterium t_SGB15356	-0.065716901	-0.045362974	0.887744991	0.871269724	0.465555027	0.269802239	0.00265	0	0.943596497	1
s_Clostridia_bacterium t_SGB3573	0.06447829	0.020394801	0.949397428	0.841622901	1.015990234	0.269774559	0	0	0.970511014	1
s_Clostridium_leptum t_SGB14853	-0.059282696	-0.039544018	0.902066768	0.605925132	0.481773206	0.26979391	0.008085	0.01823	0.955654797	0.994894974
s_Clostridia_bacterium t_SGB14937	0.055042344	0.028463382	0.929422945	0.548713194	0.621449612	0.269781205	0.00915	0.00267	0.967731467	0.984005226
s_GGB2982_SGB3964 t_SGB3964	-0.054575422	-0.034633424	0.914177738	0.691572291	0.506404056	0.269787769	0	0	0.965272503	0.998010319
s_Lachnoclostridium_SGB4598 t_SGB4598	0.054487939	0.027257637	0.932405357	0.837824235	0.642403165	0.269780073	0	0	0.967777047	1
s_Bacteroides_clausi t_SGB1832	-0.05373588	-0.02386069	0.940812681	0.548005955	0.723730496	0.269777145	0	0	0.969209877	0.984005226
s_Collinsella_massiliensis t_SGB14752	-0.052679244	-0.022757121	0.934545441	0.664556898	0.743905414	0.269776278	0	0	0.969209877	0.998010319
s_GGB9758_SGB15368 t_SGB15368	-0.051876411	-0.028210064	0.93004727	0.889934594	0.590945583	0.269780964	0.076755	0.00543	0.967731467	1
s_GGB9709_SGB15238 t_SGB15238	0.049599918	0.02196348	0.945511139	0.308246989	0.725730366	0.269775679	0	0	0.969677557	0.984005226
s_Christensenellaceae_bacterium t_SGB14128	-0.049058867	-0.025147021	0.937628229	0.402769755	0.626940697	0.269778208	0	0	0.967777047	0.984005226
s_GGB9707_SGB15229 t_SGB15229	-0.040106302	-0.03342582	0.917159231	0.961095133	0.385590254	0.269786383	0.021665	0.02167	0.965272503	1</