

species_name	diff	d_std	pval	mann_whitneyse	se_std	median_zerc	median_oneqval	qval_mann_whitney	
s_GGB3583_SGB4799[t_SGB4799	-6.883216755	-2.270694938	1.40E-08	0.563346358	1.213362923	0.513744306	0	8.79E-07	0.983690563
s_GGB6606_SGB9340[t_SGB9340	-5.485765639	-2.173000562	5.67E-08	0.968692797	1.010498044	0.505196925	0	2.96E-06	1
s_Clostridia_bacterium[t_SGB14892	5.375574893	1.769378477	9.85E-06	0.201962041	1.21608027	0.472547441	0	0.000171304	0.983690563
s_Bifidobacterium_animalis[t_SGB17278	5.324919717	1.999376308	5.88E-07	0.689105313	1.06604758	0.490602384	0	1.67E-05	0.983690563
s_GGB9633_SGB15090[t_SGB15090	5.296223616	1.957094826	1.01E-06	0.542820647	1.083209625	0.487170056	0	2.39E-05	0.983690563
s_GGB9303_SGB14264[t_SGB14264	5.254215776	1.870537966	2.97E-06	0.476938808	1.12434461	0.480299964	0	5.99E-05	0.983690563
s_GGB9644_SGB15121[t_SGB15121	5.23200114	1.824145653	5.18E-06	0.476938808	1.148064751	0.476706803	0	9.83E-05	0.983690563
s_Klebsiella_pneumoniae[t_SGB10115	-5.220449045	-2.452266564	8.99E-10	0.563346358	0.852115078	0.530223786	0	1.41E-07	0.983690563
s_Lachnospiraceae_unclassified_SGB4882[t_SGB4882	-5.122454268	-2.868317333	7.73E-13	0.147583748	0.714840185	0.570566883	0	2.42E-10	0.983690563
s_GGB1495_SGB2071[t_SGB2071	-5.034626232	-1.917179442	1.67E-06	0.21024079	1.051144777	0.483975469	0	3.64E-05	0.983690563
s_Flavobacteriales_bacterium[t_SGB2275	4.991465941	1.967022442	8.92E-07	0.533724659	1.015726687	0.487971527	0	2.23E-05	0.983690563
s_Lachnospiraceae_bacterium[t_SGB4671	4.930945396	2.261482356	1.61E-08	0.476938808	0.872760446	0.51292843	0	9.14E-07	0.983690563
s_Faecalicoccus_pleomorphus[t_SGB6791_group	4.881243007	2.328924916	5.94E-09	0.099625213	0.838944068	0.518947455	0	5.15E-07	0.983690563
s_Clostridia_bacterium[t_SGB14307	-4.743553033	-2.053266171	2.90E-07	0.162686616	0.924733465	0.495047581	0	9.09E-06	0.983690563
s_Ruminococcus_lactaris[t_SGB4557	-4.724036474	-2.520187113	3.05E-10	0.14092432	0.750306176	0.536575015	0	6.37E-08	0.983690563
s_Limosilactobacillus_reuteri[t_SGB7095	-4.674655511	-2.314154297	7.41E-09	0.100025452	0.808565795	0.517620135	0	5.15E-07	0.983690563
s_Amedibacillus_dolichus[t_SGB4035	-4.613066854	-1.614612531	5.49E-05	1	1.143614086	0.461296243	0	0.00071587	1
s_Enorma_massiliensis[t_SGB14749	-4.582204933	-2.087200708	1.84E-07	0.41818983	0.878756117	0.49788641	0	6.41E-06	0.983690563
s_Bacteroides_finegoldii[t_SGB1862	-4.524169606	-1.667415898	3.10E-05	0.443317225	1.086057823	0.465049422	0	0.000462683	0.983690563
s_Clostridium_sp_AF20_17L[B]t_SGB4714	-4.516953484	-2.317015389	7.10E-09	0.289284956	0.780323639	0.517878845	0	5.15E-07	0.983690563
s_Drancourtella_sp_AN57[t_SGB4619	-4.408063424	-1.968358077	8.76E-07	0.289284956	0.895993179	0.488079563	0	2.23E-05	0.983690563
s_Clostridiaceae_bacterium_OM08_6B[H]t_SGB4768	-4.385610437	-3.686884907	3.23E-20	0.029842192	0.476133279	0.658175748	0	2.02E-17	0.983690563
s_Coprobacillus_cateniformis[t_SGB6771	-4.365421257	-2.110268159	1.35E-07	0.104059377	0.828031751	0.499833155	0.003585	6.03E-06	0.983690563
s_Veillonella_parvula[t_SGB6939	-4.305026797	-2.080675058	2.01E-07	0.250976989	0.828189393	0.497338151	0	6.63E-06	0.983690563
s_Clostridia_bacterium[t_SGB3988	-4.277145572	-1.955567784	1.03E-06	0.028462192	0.875465877	0.487047019	0	2.39E-05	0.983690563
s_Ruminococcaceae_unclassified_SGB15265[t_SGB15265_group	-4.266007582	-1.814609382	5.80E-06	0.01125002	0.941010498	0.475976082	0.014485	0.00010686	0.983690563
s_Clostridium_sp_AM33_3[L]t_SGB4711	-4.10959102	-2.014667517	4.82E-07	0.786827125	0.816494541	0.491855751	0	1.44E-05	1
s_GGB9615_SGB15053[t_SGB15053	-4.030829591	-1.70073937	2.15E-05	0.624660205	0.948660921	0.467465145	0	0.000353785	0.983690563
s_Lachnospiraceae_bacterium[t_SGB4706	-4.009983316	-2.094741201	1.67E-07	0.231590319	0.768249593	0.498521315	0	6.41E-06	0.983690563
s_GGB9608_SGB15041[t_SGB15041	-3.968377132	-1.967577554	8.85E-07	0.186102996	0.807307793	0.488016423	0	2.23E-05	0.983690563
s_GGB9608_SGB15041[t_SGB15041	-3.950849122	-1.886981655	2.43E-06	0.5668096	0.838066597	0.481589427	0	5.06E-05	0.983690563
s_Mediterraneibacter_glycyrrhizinilycus[t_SGB4606	-3.943470599	-1.678882218	2.74E-05	0.445359648	0.940191767	0.465876301	2.00E-04	0.000428316	0.983690563
s_Eggerthellaceae_bacterium[t_SGB14328	-3.799994365	-1.384389359	0.000542993	0.533724659	1.098709212	0.446030055	0	0.004472548	0.983690563
s_Blautia_producta[t_SGB4785	-3.782646454	-1.162087448	0.003693408	0.115238253	1.30291177	0.433112148	0	0.021408087	0.983690563
s_Clostridiales_unclassified_SGB15145[t_SGB15145	-3.772784954	-2.087916036	1.83E-07	0.089157244	0.723281051	0.497946576	0	6.41E-06	0.983690563
s_Veillonella_atypica[t_SGB6936	-3.767678318	-1.567272326	9.02E-05	0.417193916	0.962248885	0.458009066	0	0.001065615	0.983690563
s_GGB9621_SGB15072[t_SGB15072	-3.753810207	-1.664494173	3.21E-05	0.020127708	0.902709676	0.464839397	0.012855	0.000466606	0.983690563
s_Eubacterium_sp_AF34_35B[H]t_SGB05015	-3.740634968	-1.689106879	2.44E-05	0.162686616	0.886433577	0.466617171	0	0.000392363	0.983690563
s_GGB3746_SGB5089[t_SGB5089	-3.737483982	-2.382020589	2.67E-09	0.041688889	0.628047592	0.52375998	0.014655	3.34E-07	0.983690563
s_Clostridia_bacterium[t_SGB6077	-3.691434704	-1.261329467	0.001626233	0.920350859	1.171452584	0.438646868	0	0.011311353	1
s_Mogibacterium_diversum[t_SGB3922	-3.690389467	-1.226816845	0.002177153	0.366685033	1.204066678	0.436678743	0	0.014050491	0.983690563
s_Clostridia_bacterium[t_SGB3989	-3.67360404	-1.743801198	1.32E-05	0.563346358	0.843243968	0.470636208	0	0.000223584	0.983690563
s_GGB9621_SGB15072[t_SGB15072	-3.653090408	-1.387133239	0.000529337	0.563346358	1.05414489	0.446201046	0	0.004472548	0.983690563
s_Lactonifactor_sp_BIOM_A6[t_SGB48013	-3.638256143	-1.191212623	0.00292046	0.750451814	1.222537108	0.43469664	0	0.017923607	1
s_Clostridia_bacterium[t_SGB15373	-3.598494744	-1.623135676	5.01E-05	0.368159667	0.887397994	0.461897417	0	0.000681947	0.983690563
s_GGB9734_SGB15304[t_SGB15304	-3.588233318	-1.545220828	0.000113201	0.563346358	0.929497433	0.456503411	0	0.001288431	0.983690563
s_Blautia_producta[t_SGB4786	-3.535724245	-1.481935492	0.000136542	0.154959035	0.955013223	0.452274305	0.00034	0.01042	0.002129959
s_Clostridia_bacterium[t_SGB14252	-3.522536734	-2.093483763	1.69E-07	0.142189242	0.673509925	0.498415337	0	6.41E-06	0.983690563
s_Clostridia_bacterium[t_SGB14020	-3.5132882	-2.339978446	5.04E-09	0.142189242	0.600979954	0.519944039	0	5.15E-07	0.983690563
s_Terrisporobacter_othiniensis[t_SGB6142	-3.499005659	-1.151045735	0.004032093	0.593738705	1.216774638	0.432520216	0	0.022739552	0.983690563
s_Monoglobus_pectinilyticus[t_SGB4166	-3.476635185	-1.781123216	8.60E-06	0.142189242	0.781309706	0.473431782	0	0.000153762	0.983690563
s_Clostridiales_bacterium[t_SGB15158	-3.462498776	-1.575018141	8.33E-05	0.067825217	0.879958385	0.458541818	0.022905	0.0001021863	0.983690563
s_Hafnia_alvei[t_SGB10209_group	-3.396704437	-1.417230524	0.00039915	0.720363925	0.959346128	0.448094475	0	0.003519263	0.983690563
s_Lachnospiraceae_unclassified_SGB4894[t_SGB4894	-3.385341469	-1.195123711	0.002828752	0.563346358	1.133829322	0.434911955	0	0.01753266	0.983690563
s_Enterococcus_thailandicus[t_SGB7965	-3.382010165	-1.473608663	0.000231871	0.563346358	0.918651542	0.45172815	0	0.00226799	0.983690563
s_Clostridium_sp_AF34_13[t_SGB4659	-3.378371392	-1.51254838	0.000157601	1	0.894038419	0.454302874	0	0.001617346	1
s_Clostridia_bacterium[t_SGB4531	-3.344112332	-1.58618702	7.41E-05	0.542820647	0.843887457	0.459313532	0	0.000946567	0.983690563
s_Lachnospiraceae_phocaeensis[t_SGB4622	-3.325839414	-1.53915785	0.000120427	0.289284956	0.864920478	0.456092315	0	0.001322588	0.983690563
s_Clostridium_saccharoglutinis[t_SGB6749	-3.29513281	-1.149593086	0.00407869	0.533724659	1.147326028	0.432442702	0	0.022796961	0.983690563
s_Cloacibacillus_porcorum[t_SGB15507	-3.267268667	-1.841757227	4.20E-06	0.161625708	0.710085314	0.478063393	0	8.22E-05	0.983690563
s_GGB3532_SGB4720[t_SGB4720	-3.229192178	-1.362806376	0.00066242	0.815517486	0.948457338	0.44469461	0	0.005249052	1
s_Gemella_sanguinis[t_SGB7298	-3.219526695	-1.468485299	0.000243792	0.237479949	0.877567423	0.451393313	0	0.002347907	0.983690563
s_GGB9237_SGB14179[t_SGB14179	-3.195054776	-1.628633095	4.73E-05	0.56680996	0.785259354	0.462283975	0	0.005657412	0.983690563
s_GGB9758_SGB15368[t_SGB15368	-3.129426558	-2.111133224	0.002480536	0.968692797	1.034279897	0.435798434	0	0.015685007	1
s_Lactococcus_lactis[t_SGB7984	-3.126371394	-1.227007166	0.002173694	0.61447671	1.019885776	0.436689841	0	0.014050491	0.983690563
s_Candidatus_Hentagella_intestinalis[t_SGB63346	-3.112505354	-1.419858945	0.000389331	0.185337675	0.877451198	0.448261375	0	0.003481734	0.983690563
s_Actinomyces_israelii[t_SGB15875	-3.09325481	-1.358586333	0.000688456	0.289284956	0.911352777	0.444435484	0	0.00538717	0.983690563
s_Desulfovibrio_piger[t_SGB15467_group	-3.089602747	-1.106744957	0.005862907	0.115238253	1.117411552	0.430194288	0	0.029452562	0.983690563
s_GGB1680_SGB2312[t_SGB2312	-3.045724606	-1.103209469	0.00064895	0.889105313	1.105072361	0.430012067	0	0.0030011825	0.983690563
s_Massiliicola_timonensis[t_SGB4026	-2.985305831	-0.982282971	0.014126812	0.667510683	1.216494864	0.424088416	0	0.059752597	0.983690563
s_Anaerotruncum_lactatifermentans[t_SGB5193	-2.954413498	-1.582609079	7.69E-05	0.729125273	0.747232395	0.459065862	0	0.0009963002	0.983690563
s_Slackia_iaoflavoniconvertens[t_SGB14773_group	-2.954041317	-1.448117035	0.000297108	0.667510683	0.816527787	0.450071253	0	0.002742186	0.983690563
s_GGB9634_SGB15095[t_SGB15095	-2.947437314	-1.278606745	0.001401589	0.476938808	0.922710903	0.439649232	0	0.010202261	0.983690563
s_GGB1266_SGB1699[t_SGB1699	-2.944114847	-1.249368183	0.001800883	0.968692797	0.943240352	0.437959584	0	0.012252473	1
s_Longicatella_caeaciumis[t_SGB4041	-2.925715847	-1.367771191	0.00632958	0.409823356	0.856202867	0.445009347	0	0.005077889	0.983690563
s_Ruminococcaceae_unclassified_SGB15236[t_SGB15236	-2.917458486	-1.113975738	0.003584678	0.268232635	1.048303817	0.43056854	0	0.028328992	0.983690563
s_GGB9695_SGB15210[t_SGB15210	-2.906597599	-1.23940712	0.001226553	0.844422969	0.90008991	0.440548328	0	0.009033203	0.983690563
s_Lachnospiraceae_bacterium[t_SGB4594	-2.903447589	-1.101583144	0.005922016	0.402764977	1.055005624	0.429928415	0.00014	0.003139691	0.983690563

s_GGB9705_SGB15224 _SGB15224	-2.458872186	-1.224915523	0.002211983	0.56680996	0.803503702	0.436571651	0	0	0.014129604	0.983690563
s_Clostridia_unclassified_SGB4367 _SGB4367	2.457469813	0.861376208	0.031400266	0.476938808	1.141966557	0.418782768	0	0	0.106829167	0.983690563
s_GGB9568_SGB14980 _SGB14980_group	-2.455841061	-0.80299215	0.044845257	0.326496164	1.224184912	0.416448745	0	0	0.139608661	0.983690563
s_GGB9627_SGB15081 _SGB15081	-2.454133111	-0.862360549	0.031207707	0.774588648	1.139114291	0.418823408	0	0	0.106752079	1
s_Sutterella_wadsworthensis _SGB9283	-2.449402323	-0.855137378	0.032648725	0.874926265	1.146521759	0.418526182	0	0	0.110476226	1
s_Eggerthellaceae_unclassified_SGB14341 _SGB14341	-2.447813116	-1.056848032	0.008283088	0.850182873	0.927094038	0.427669649	0	0	0.039281918	1
s_Bacteroides_eggertii _SGB1829	2.424210487	1.271615624	0.0014888	0.251864137	0.763084331	0.439242266	0	0.05066	0.010590779	0.983690563
s_Citrobacter_freundii _SGB10083_group	-2.411992251	-1.093124294	0.006315479	0.563346358	0.883210916	0.429495055	0	0	0.031627917	0.983690563
s_GGB9614_SGB15201 _SGB15201	2.383125913	-1.23258765	0.002074494	0.483963281	0.77390427	0.43700464	0	0	0.013669823	0.983690563
s_Latilactobacillus_sakei _SGB7248	2.379933688	0.968839818	0.015501834	0.542820647	0.983265821	0.423467567	0	0	0.064265882	0.983690563
s_Enterococcus_durans _SGB7966	2.359537207	0.999781326	0.012502644	0.720363925	0.94471028	0.42490593	0	0	0.054245494	0.983690563
s_Roseburia_sp_AM59_24XD _SGB4654	2.341916524	0.863194966	0.031044113	0.533724659	1.085976876	0.41885789	0	0	0.106752079	0.983690563
s_GGB33516_SGB54347 _SGB54347	2.337669097	1.432481959	0.00345244	0.476938808	0.65320867	0.449066349	0	0	0.003132217	0.983690563
s_Eubacteriaceae_bacterium _SGB3958	-2.325778869	-1.498715691	0.000180956	0.41818983	0.621165364	0.453382237	0	0	0.001827703	0.983690563
s_GGB9694_SGB15201 _SGB15201	-2.316121889	-1.53160222	0.000130042	0.307861284	0.605303924	0.455581757	0.00139	0	0.001403036	0.983690563
s_GGB42689_SGB58992 _SGB58992	-2.304083907	-0.950202766	0.01760241	0.383538324	0.970599507	0.42261953	0	0	0.007123767	0.983690563
s_Lancefieldella_parvula _SGB969	2.303718347	0.892176937	0.025819759	0.132714196	1.033561812	0.420074464	0	0	0.092709053	0.983690563
s_Faecalicatena_fissicatena _SGB4871_group	-2.261347555	-1.238610598	0.001972101	0.235845308	0.730786624	0.437346147	0	0	0.013133354	0.983690563
s_Actinomyces_naeslundii _SGB15888	-2.258364687	-0.95317768	0.01751223	0.682355437	0.948371015	0.422753905	0	0	0.06942944	0.983690563
s_Clostridium_paraputrificum _SGB6187	-2.232738147	-0.871504357	0.029460724	0.44331725	1.025477877	0.419202944	0	0	0.102457852	0.983690563
s_GGB3463_SGB4621 _SGB4621	2.22938985	0.9880156	0.013573969	0.058419667	0.903194445	0.424355489	0	0.00488	0.057804795	0.983690563
s_Candidatus_Schneewindia_gallinarum _SGB63326	2.228336014	1.675310696	2.85E-05	0.128788853	0.532406543	0.465618295	0	0.00088	0.000434628	0.983690563
s_Clostridia_bacterium _SGB15403	2.190295832	0.726460725	0.069538397	0.483963281	1.20683724	0.413619762	0	0	0.187719853	0.983690563
s_Ruminococcaceae_bacterium_AM07_15 _SGB14974	-2.186205213	-1.549238581	0.000108573	0.102427167	0.564824944	0.456780601	0	0	0.001258399	0.983690563
s_Lachnospiraceae_bacterium _SGB4832	-2.185233672	-1.09503999	0.00224364	0.687151683	0.798777764	0.425929045	0	0	0.031422999	0.983690563
s_Anerotruncus_massiliensis _SGB14965	-2.174259027	-1.05995908	0.00805553	0.284718696	0.821076683	0.427823681	0	0	0.038656521	0.983690563
s_Clostridiales_bacterium_Checo116 _SGB15149	-2.164358781	-0.91586274	0.022161628	0.934830694	0.946132101	0.421087102	0	0	0.081297617	1
s_Actinomyces_dentalis _SGB15877	-2.159048289	-0.001676183	0.012339227	0.563346358	0.862766503	0.42499749	0	0	0.054086855	0.983690563
s_GGB9454_SGB14846 _SGB14846	2.150048966	1.147475833	0.00414748	0.974886064	0.750002738	0.432329875	0	0	0.022976305	1
s_GGB3523_SGB4703 _SGB4703	2.115079025	1.126730058	0.004879355	0.255042322	0.751388915	0.431233817	0	0	0.026106636	0.983690563
s_Bifidobacterium_adolescentis _SGB17244	-2.113596496	-0.686403729	0.08637604	0.489489561	1.23253855	0.412244966	0	0	0.218912556	0.983690563
s_Propionibacterium_freudenreichii _SGB15904	-2.097761952	-0.838801522	0.00120793	0.70713702	1.001048364	0.41786224	0	0	0.120274967	0.983690563
s_Gemmiger_SGB15299 _SGB15299	-2.084086115	-0.705078903	0.07155866	0.368159667	1.183139983	0.412876785	0	0	0.203856551	0.983690563
s_Limosilactobacillus_fermentum _SGB7106	-2.081897598	-0.925442767	0.020776607	0.563346358	0.900467131	0.421515813	0	0	0.077417594	0.983690563
s_Clostridia_bacterium _SGB4438	2.076469189	0.949393929	0.01768997	0.591296151	0.875461603	0.42258306	0	0	0.070123767	0.983690563
s_GGB9342_SGB14306 _SGB14306	2.070063489	0.844340214	0.034909874	0.729125274	0.981350747	0.418086166	0	0	0.117492372	0.983690563
s_GGB36331_SGB53806 _SGB53806	2.049690969	0.745051434	0.082694678	0.476938808	1.101184775	0.414282664	0	0	0.175994927	0.983690563
s_Blaulia_sp_AF19_10LB _SGB4810	2.047320305	0.758507904	0.058096546	0.542820647	1.080397943	0.414772259	0	0	0.166679647	0.983690563
s_Clostridia_bacterium _SGB3992	2.043494388	0.973266787	0.01503655	0.593738705	0.840426256	0.423671174	0	0	0.0662941527	0.983690563
s_Anaerofustis_stercorihominis _SGB49059	2.039577156	1.339882676	0.000815709	0.839610732	0.609303057	0.443294889	0	0	0.006227244	0.983690563
s_Propionibacterium_acidifaciens _SGB15903	-2.037480734	-0.937412973	0.01184594	0.366868333	0.870002734	0.422046126	0	0	0.074030184	0.983690563
s_Blaulia_sp_MSK_21 _SGB4829	-2.025483804	-0.943070482	0.018470004	0.563346358	0.859691611	0.422298906	0	0	0.072263892	0.983690563
s_Bacteroides_intestinalis _SGB1846	2.00603034	0.757280614	0.05850396	0.370089954	1.060324322	0.414727266	0	0	0.166679647	0.983690563
s_GGB45491_SGB63163 _SGB63163	-2.005754421	-1.03093268	0.01008344	0.563087777	0.778770171	0.426398294	0	0	0.045731556	0.983690563
s_Streptococcus_cristatus _SGB8031	-1.997665523	-0.783816409	0.050206951	1	1.020155766	0.415715184	0	0	0.151835883	1
s_Erysipelatoclostridium_ramosum _SGB6744	-1.982170448	-0.784971604	0.049869391	0.863388944	1.01075318	0.41575891	0.005465	0.00853	0.151544489	0.983690563
s_Leuconostoc_mesenteroides _SGB7126	-1.967696826	-0.683142163	0.08780807	0.326496164	1.152935895	0.412136263	0	0	0.221828326	0.983690563
s_Bacteroides_ovatus _SGB1871	-1.963313481	-1.166871266	0.030554872	0.609290034	0.673480102	0.433370104	0.27661	0.27128	0.020993869	0.983690563
s_Clostridia_unclassified_SGB4447 _SGB4447	-1.957516872	-0.761601418	0.057080068	0.906270896	1.028811561	0.414885968	0	0	0.166195919	1
s_Lachnospira_sp_NSJ_43 _SGB5087	-1.950831126	-0.660898753	0.098715449	0.616257086	1.181524713	0.411407988	0	0	0.2358662104	0.983690563
s_GGB3614_SGB4886 _SGB4886	-1.938183943	-0.760691206	0.057377601	0.593738705	1.019889635	0.414852466	0	0	0.166288788	0.983690563
s_GGB9602_SGB15031 _SGB15031	-1.935478964	-0.880947478	0.027746104	0.97341096	0.879420337	0.419598739	0	0	0.097578995	1
s_GGB9522_SGB14921 _SGB14921	-1.932205522	-1.316547119	0.010050049	0.098778514	0.587455505	0.441889972	0.022005	0.00012	0.007490007	0.983690563
s_GGB45461_SGB63131 _SGB63131	-1.918114493	-1.180599918	0.003183165	0.100025452	0.650324497	0.434115369	0	0	0.091160203	0.983690563
s_GGB9730_SGB15291 _SGB15291	-1.91465765	-0.933744195	0.019668085	0.519582858	0.820769638	0.421882935	0	0	0.07504673	0.983690563
s_GGB9347_SGB14313 _SGB14313	-1.892222334	-0.670532049	0.039898924	0.689105313	1.129563601	0.411720592	0	0	0.23000978	0.983690563
s_Ruminococcaceae_bacterium _SGB14906	-1.884359637	-0.738277014	0.065121053	0.340017336	1.021650877	0.414039287	0	0	0.178797277	0.983690563
s_GGB9291_SGB14248 _SGB14248	-1.882491416	-0.643607752	0.037853704	0.326496164	1.170765197	0.410857659	0	0	0.251926935	0.983690563
s_Clostridia_bacterium _SGB3952	-1.857410182	-0.906042335	0.020061699	0.452530563	0.820573329	0.422066943	0	0	0.085899208	0.983690563
s_Clostridia_bacterium _SGB14250	-1.85064225	-0.937291669	0.019201777	0.289284956	0.790325104	0.422040721	0	0	0.074030184	0.983690563
s_Clostridia_bacterium _SGB53517	-1.842973877	-1.08735917	0.06596966	0.492890471	0.678428719	0.429201364	0.002305	0.00037	0.0327754	0.983690563
s_GGB9677_SGB15180 _SGB15180	-1.835250102	-0.726377665	0.069570297	0.774588648	1.011325558	0.413616836	0	0	0.187719853	1
s_Clostridia_bacterium_12CBH8 _SGB7259	-1.829667971	-1.253022132	0.001745648	0.274841634	0.58448263	0.438168956	0	0	0.012008525	0.983690563
s_Candidatus_Nanosynsacchari_sp_TM7_ANC_38_39_G1_1 _SGB19882	-1.823280809	-0.837381246	0.036437014	0.409823356	0.871542152	0.417805288	0	0	0.120685581	0.983690563
s_Clostridia_bacterium _SGB3578	-1.820999195	-0.650334451	0.104222099	0.563346358	1.120807578	0.411070106	0	0	0.246200129	0.983690563
s_Rhodobacteraceae_unclassified_SGB53807 _SGB53807	1.81474126	1.166888151	0.04131851	0.906270896	0.88943973	0.416982721	0	0	0.131947496	1
s_Candidatus_Parachristensenella_avicola _SGB58519	1.810444328	1.001393107	0.012357588	0.810465481	0.72366679	0.424984106	0	2.00E-05	0.054096855	1
s_Oscillibacter_sp_PC13 _SGB7258	-1.808343915	-1.458315031	0.000269179	0.017314626	0.496349676	0.45073136	0.000695	0	0.002553125	0.983690563
s_Candidatus_Pseudoscleripira_faecavum _SGB63239	-1.797541682	-1.063711478	0.00787333	0.326496164	0.676414938	0.428010881	0	0	0.037913112	0.983690563
s_Streptococcus_mutans _SGB8000	-1.793792384	-0.739048072	0.064841037	0.976933929	0.971532992	0.414068683	0	0	0.178797277	0.983690563
s_Lachnospiraceae_bacterium _SGB4728	-1.789908586	-0.830384802	0.038029480	0.44331725	0.862798786	0.417525053	0	0	0.12405402	0.983690563
s_Intestinimonas_timonensis _SGB29334	-1.779363317	-1.062896162	0.017301905	0.162986766	0.747559872	0.422734342	0	0	0.06942944	0.983690563
s_Clostridia_bacterium _SGB179 _SGB179	-1.768327082	-0.800284874	0.045571635	0.539956079	0.884455639	0.416344183	0.002895	0	0.140531248	0.983690563
s_Rothia_denticulosa										

s_Bifidobacterium_pulorum _t_SGB17264	-1.487748675	-0.498063628	0.21338742	0.705601315	1.195646536	0.406780638	0	0	0.391731745	0.983690563	1
s_Faecalitalea_cylindroides _t_SGB6790	1.474909080	0.77440786	0.053028184	0.897615285	0.76234895	0.415361285	0.043495	0	0.156788749		1
s_Candidatus_Metarrhinococcus_caecorum _t_SGB63353	1.46956139	0.732918145	0.06709484	0.903507619	0.802583682	0.41384824	0	0	0.182614651		1
s_Candidatus_Pseudorhinnococcus_merdavium _t_SGB59562	-1.461020989	-0.366481981	0.356889147	0.326496164	1.595739129	0.403965715	0	0	0.559033761	0.983690563	1
s_Collinsella_bouchesdurhonnensis _t_SGB14397	-1.461008853	-0.554381187	0.169051838	0.533724659	1.054878471	0.408239597	0	0	0.338594063	0.983690563	1
s_GGB9640_SGB15115 _t_SGB15115	-1.445709105	-0.663555983	0.093736757	0.409823366	0.872090213	0.411493788	0	0	0.224341166	0.983690563	1
s_Streptococcus_infantis _t_SGB8095	-1.444353617	-0.827219664	0.368769007	0.524719501	0.698893094	0.417398988	0	0	0.125304798	0.983690563	1
s_Ruminococcaceae_unclassified_SGB4191 _t_SGB4191	-1.444077965	-0.539081064	0.178051745	0.366685033	1.072246482	0.407828314	0	0	0.356103489	0.983690563	1
s_Lachnocolostriidium_sp_An131 _t_SGB4775	-1.432566862	-0.713032633	0.074853897	0.408766731	0.804199058	0.413150725	0.00102	0	0.198553132	0.983690563	1
s_Bifidobacterium_catenulatum _t_SGB17241	1.431509528	0.516380171	0.197028196	0.593738759	1.109641656	0.407238575	0	0	0.374000051	0.983690563	1
s_Candidatus_Neochristensenella_gallicola _t_SGB14138	1.430247574	0.616322692	0.123621408	0.533724659	0.928883242	0.410017497	0	0	0.272489442	0.983690563	1
s_Streptococcus_parasanguinis _t_SGB8071	-1.429640978	-0.688826282	0.085271842	0.903382511	0.830759554	0.412326023	0.055115	0.03299	0.216925723		1
s_Parvimonas_micra _t_SGB6653	-1.406619129	-0.66467325	0.096805258	0.409823356	0.847083816	0.411529961	0	0	0.233977188	0.983690563	1
s_Clostridia_unclassified_SGB17281 _t_SGB17281	-1.40225796	-0.963948548	0.016030608	0.351599338	0.582280339	0.423243572	0	0	0.065589285	0.983690563	1
s_Holdemania_massiliensis _t_SGB4044	-1.402032329	-0.615496146	0.124125745	0.452530563	0.911781458	0.409992588	0	0	0.27264111	0.983690563	1
s_Pseudoflavonifractor_capillosus _t_SGB15140	-1.401415451	-1.031302588	0.009808983	0.217958269	0.543924809	0.426416675	0	0	0.045731556	0.983690563	1
s_Lachnospiraceae_bacterium _t_SGB4771	-1.391304356	-0.811948072	0.04251154	0.563346358	0.685886028	0.416796972	0	0	0.133061121	0.983690563	1
s_Eggerthellaceae_bacterium _t_SGB14794	-1.383258096	-0.68105343	0.088855632	0.56680996	0.81298045	0.412066905	0	0	0.222494403	0.983690563	1
s_Alistipes_dispar _t_SGB2311	-1.362132174	-0.578767994	0.14819761	0.880554093	0.942047521	0.408918026	0	0	0.217711314		1
s_Clostridia_bacterium _t_SGB15401	-1.359893328	0.707738293	0.077038877	0.570946399	0.76911311	0.412968057	0	0	0.201783836	0.983690563	1
s_Corynebacterium_durum _t_SGB17008	-1.351452206	-0.592255782	0.138973731	0.968697297	0.91337569	0.409305287	0	0	0.303127371		1
s_Anaerostarchaphilus_sp_NSJ_58 _t_SGB4772	-1.351430923	-0.673113026	0.092640998	0.624860205	0.8036444	0.411805073	0	0	0.22922239	0.983690563	1
s_Bittarella_massiliensis _t_SGB7263	-1.345388964	-0.802227427	0.04504944	0.860412787	0.671287285	0.416419176	0.002545	0.00079	0.139608661		1
s_Ruminococcaceae_bacterium _t_SGB15278	1.33837804	0.501311195	0.210417552	0.609478529	1.068629074	0.406880662	0	0	0.389708248	0.983690563	1
s_Rothia_mucilaginosa _t_SGB16971	1.336545247	0.535892242	0.180632076	0.874922655	0.998308081	0.407743994	0	0	0.558512165		1
s_Clostridia_bacterium _t_SGB53497	1.326849651	0.588434901	0.140865342	0.32193826	0.901039714	0.409223586	0	0.01009	0.306186473	0.983690563	1
s_Ruthenibacterium_lactiformans _t_SGB15271	-1.304404708	-0.779607833	0.051452983	1	0.689721481	0.415556389	0.162535	0.17753	0.154853691		1
s_Lachnospira_eligens _t_SGB45024	-1.301044235	-0.842797837	0.028944254	0.069130154	0.595649422	0.419319623	0.182875	0.00013	0.101224041	0.983690563	1
s_Lachnospiraceae_bacterium _t_SGB5060	1.290052815	0.521749093	0.192411693	0.476893808	0.989700647	0.407375838	0	0	0.370950831	0.983690563	1
s_Massiliatella_timonensis _t_SGB7253	1.288109013	0.822657951	0.039856428	1.049538808	0.628745732	0.417218078	0	0.0012	0.12729655	0.983690563	1
s_Agathobaculum_sp_Marseille_P7918 _t_SGB29299	1.285106429	0.5583364	0.183051034	0.591296151	0.921300316	0.408347721	0	0	0.346555662	0.983690563	1
s_Ruminococcaceae_bacterium_DS _t_SGB14960	1.281289604	0.493586011	0.217531595	0.409823356	1.039064545	0.406671131	0	0	0.3935330031	0.983690563	1
s_GGB9623_SGB15076 _t_SGB15076	1.280646075	0.739796373	0.064570236	0.779963267	0.692907067	0.41409369	0.003375	0.00727	0.178797277		1
s_Streptococcus_gordoni _t_SGB8053	-1.279202389	-0.653216575	0.10269613	0.035840807	0.783862939	0.411616774	0.002355	0	0.243514309	0.983690563	1
s_Actinomyces_SGB17168 _t_SGB17168	-1.277625134	-0.575149352	0.150750148	0.667510683	0.889161968	0.408815585	0	0	0.320022322	0.983690563	1
s_Lachnospiraceae_bacterium _t_SGB4773	-1.274152336	-0.629459817	0.115818453	1	0.810235765	0.410417688	0	0	0.261849275		1
s_Bifidobacterium_pseudocatenulatum _t_SGB17237	1.270374586	0.575066133	0.150809241	0.880574813	0.884243897	0.408813236	0	0	0.320022322		1
s_Gordonibacter_pamelaee _t_SGB14807	1.268728396	0.936700864	0.01927623	0.439657747	0.542157918	0.422014405	0	0	0.074030184	0.983690563	1
s_Ruminococcaceae_bacterium_SGB15273	-1.252641287	-0.743875077	0.063110565	0.439657747	0.674038624	0.414240253	0.00322	0	0.17637149	0.983690563	1
s_Ruminococcus_SGB4421 _t_SGB4421	-1.251549904	-0.503439368	0.204847651	0.383538324	0.995118141	0.406913377	0	0	0.387279731	0.983690563	1
s_Lachnospiraceae_bacterium_WCA3_161_WT_6H _t_SGB4910	-1.248685695	-0.51623219	0.197156576	0.446113877	0.968202323	0.407234811	0.03122	0	0.374000051	0.983690563	1
s_GGB9559_SGB14969 _t_SGB14969	-1.247696965	-0.740528529	0.064306182	0.207945828	0.67441201	0.414119944	0	0	0.178797277	0.983690563	1
s_Clostridium_leptum _t_SGB14853	1.237622626	0.757059803	0.08577512	0.317241291	0.654359058	0.414719179	0.028745	0.05638	0.166679647	0.983690563	1
s_Clostridium_sp_AM49_4B _t_SGB4652	-1.234920876	-0.581837116	0.160429328	0.174142919	0.97805701	0.408444037	0.0254	0	0.333556282	0.983690563	1
s_Bacteroides_facis _t_SGB1860	1.233349497	0.666001207	0.096140281	0.764195987	0.741257687	0.41157303	0	0	0.233270603		1
s_Ruminococcaceae_bacterium _t_SGB14899	-1.233035305	-0.648984101	0.104943225	0.62370101	0.760500528	0.41102729	6.00E-05	0	0.24697165	0.983690563	1
s_GGB3570_SGB4777 _t_SGB4777	-1.231240688	-0.75554243	0.059081068	0.888661957	0.652281984	0.414664092	0	0	0.167351802		1
s_GGB6649_SGB9391 _t_SGB8931	1.231013218	0.640080404	0.109797674	0.274841634	0.769814744	0.410747096	0	0	0.254567641	0.983690563	1
s_Eubacterium_ramulus _t_SGB4959	-1.227476255	-0.518183977	0.195468221	0.643109479	0.94817213	0.407284538	0	0	0.374000051	0.983690563	1
s_Clostridia_bacterium _t_SGB3991	1.223719817	0.775734058	0.052622667	0.113503873	0.63143289	0.415410929	0.00128	0.03028	0.156788749	0.983690563	1
s_Eubacteriaceae_bacterium _t_SGB5043	-1.215879299	-0.662570281	0.078956545	0.449657254	0.734541907	0.411461922	0	0	0.234728042	0.983690563	1
s_Oscillibacter_sp_ER4 _t_SGB15254	-1.205634251	-0.624502625	0.118716081	0.888661957	0.772750644	0.410265733	0	0	0.266366548		1
s_GGB9632_SGB15089 _t_SGB15089	1.193358266	0.500018742	0.211595885	0.750451814	0.95530627	0.406828754	0	0	0.390734583		1
s_Intestinimonas_gabonensis _t_SGB79840	-1.182286863	-0.67332463	0.092538469	0.402796377	0.702841597	0.411812013	0.001775	0	0.22922239	0.983690563	1
s_Desulfovibrionaceae_bacterium _t_SGB15447	-1.181049999	-0.667789913	0.095250365	0.483965381	0.707923769	0.411631172	0	0	0.232010618	0.983690563	1
s_Holdemania_sp_Marseille_P2844 _t_SGB4045	-1.180221509	-0.70958986	0.06768896	0.97341096	0.665754622	0.413031795	0	0	0.200606425		1
s_GGB45599_SGB63311 _t_SGB63311	1.174809734	0.715204283	0.073727216	0.091184478	0.65749604	0.413226022	0	0	0.197892018	0.983690563	1
s_Faecalibacterium_prausnitzii _t_SGB15316_group	-1.157077153	-0.612160697	0.126177723	0.173956446	0.76580147	0.409892393	0.484375	0.04185	0.276187227	0.983690563	1
s_Emergencia_timonensis _t_SGB3970	-1.155202472	-0.530716335	0.184879277	0.593738705	0.871273621	0.407608158	0	0	0.362803847	0.983690563	1
s_Bacteroides_xylanisolvens _t_SGB1867	-1.148717207	-0.915348005	0.02207496	0.431534663	0.502325161	0.421073376	0.100085	0.02942	0.081297617	0.983690563	1
s_Prevotella_marseillensis _t_SGB1588	-1.14582043	-0.561182779	0.160918268	0.968697297	0.81727891	0.40842599	0	0	0.333556282		1
s_Erysipelotrichaceae_bacterium _t_SGB4029	-1.142361545	-0.488828392	0.221997999	0.602760357	0.935416915	0.406555828	0	0	0.398506155	0.983690563	1
s_Clostridia_bacterium _t_SGB15377	1.14235918	0.504538497	0.207495961	0.64167087	0.906288423	0.406940687	0	0	0.382779731	0.983690563	1
s_GGB9787_SGB15410 _t_SGB15410	-1.129852559	-0.474246855	0.236095078	0.483963281	0.953620064	0.406209197	0	0	0.4121069854	0.983690563	1
s_GGB9580_SGB14996 _t_SGB14996	-1.129110196	-0.452659091	0.258109266	0.326496164	0.998442703	0.405714777	0	0	0.452594999	0.983690563	1
s_GGB9532_SGB14933 _t_SGB14933	-1.122698961	-0.42977806	0.28295359	0.326496164	0.998442703	0.405714777	0	0	0.482640183	0.983690563	1
s_Dielma_fastidiosus _t_SGB4031	1.117438446	0.624988588	0.118429544	0.435949488	0.71566471	0.410280579	0	0	0.266366548	0.983690563	1
s_Intestinimonas_massiliensis _t_SGB15127	-1.115888627	-0.640947886	0.10931706	0.402860791	0.696876947	0.410774232	0.00794	0.00116	0.254395835	0.983690563	1
s_Ruminococcaceae_bacterium _t_SGB15249	1.102358161	0.532289972	0.183580251	1	0.828957954	0.407649321	0	0	0.361387538		1
s_Aloscardovia_omnicolensis _t_SGB17300	-1.101324459	-0.443246158	0.268140426	0.404695429	0.994554005	0.405506224	0	0	0.461489242	0.983690563	1
s_Gemmiger_fornicilis _t_SGB15300	1.095499121	0.535471996	0.180974192	0.408766731	0.818904648	0.407732917	0	0.00039	0.358512165	0.983690563	1
s_Lachnospira											

s_Hydrogeniclostidium_mannosilyticum t_SGB14890	-0.909091931	-0.533233118	0.182804937	0.891599091	0.682415298	0.407674049	0	0	0.3609965	1
s_Rikenellaceae_bacterium_DSM_108975 t_SGB2329	-0.908634362	-0.528510759	0.186711394	0.563346358	0.688166282	0.407550662	0	0	0.364319983	0.983690563
s_Leuconostoc_carnosum t_SGB7129	0.904331434	0.445738283	0.256458917	0.152175352	0.81209298	0.405561024	0	0	0.459948487	0.983690563
s_GGB6574_SGB9290 t_SGB9290	-0.902441174	-0.331135884	0.408083066	0.874926265	1.090864279	0.403352966	0	0	0.614086537	1
s_Enterocloster_citroniae t_SGB4761	-0.899657166	-0.49567508	0.21559095	0.940882951	0.726504388	0.406722103	0.002595	0.00119	0.393469198	1
s_Olsenella_sp_oral_taxon_807 t_SGB13438	-0.890643056	-0.493219262	0.217873579	0.366868033	0.722805957	0.406662204	0	0	0.395330031	0.983690563
s_Lachnospiraceae_bacterium t_SGB4782	-0.890425272	-0.403508392	0.313416608	0.920350589	0.88328975	0.404673026	0	0	0.514957471	1
s_GGB1662_SGB2276 t_SGB2276	-0.889785588	-0.537666837	0.179192703	0.97602868	0.662415037	0.407790859	0	0	0.357244051	1
s_Clostridium_sporiforme t_SGB6747	-0.889653036	-0.354989175	0.375152105	0.483935076	1.003144787	0.403759771	0	0	0.577015277	0.983690563
s_Enterococcus_faecium t_SGB7967	0.882846068	0.369800727	0.355321189	0.188181895	0.955133222	0.404029692	0	0.00185	0.558872021	0.983690563
s_GGB6547_SGB9247 t_SGB9247	0.874010335	0.350732823	0.380904753	0.56680996	0.997466261	0.403685138	0	0	0.5814788	0.983690563
s_Sellimonas_intestinalis t_SGB4617	0.868314986	0.527688852	0.187397819	0.448051334	0.658654565	0.407529287	0.080395	0.26792	0.364319983	0.983690563
s_Harryflintia_acetispora t_SGB14838	-0.867970494	-0.56853976	0.155498769	0.431102331	0.611085791	0.408630064	0.001235	0	0.325558295	0.983690563
s_Anaerobutyricum_hallii t_SGB4532	-0.867726933	-0.510194026	0.202447335	0.529983522	0.68077841	0.407082122	0.181845	0.00154	0.380576673	0.983690563
s_Oscillospiraceae_bacterium_NSJ_64 t_SGB82503	0.861822004	0.517419199	0.196128509	0.843644678	0.666704067	0.407265031	0	0	0.374000051	0.983690563
s_Candidatus_Paralachnospira_caecorum t_SGB59817	-0.857907765	-0.32597587	0.415426983	0.570948399	1.053448262	0.403268635	0	0	0.617713281	0.983690563
s_Candidatus_Alangreenwoodia_gallinarum t_SGB60876	0.847402307	0.350096342	0.381769627	1	0.968858011	0.403674054	0	0	0.5814788	1
s_Christensenella_timonensis t_SGB29340	0.847080979	0.432936068	0.279431385	0.968692797	0.783175743	0.405282704	0	0	0.477934555	1
s_Sanguibacteroides_justeseni t_SGB1776	0.840362535	0.384931797	0.336215783	0.614447761	0.873858191	0.404309811	0	0	0.538289207	0.983690563
s_Olsenella_provencensis t_SGB14367	0.833896392	0.3151848	0.410352328	0.689105313	1.059021787	0.40330965	0	0	0.631915829	0.983690563
s_Blautia_SGB4831 t_SGB4831	-0.829485955	-0.377999622	0.34490474	0.97022868	0.878366447	0.404178576	0	0	0.546774396	1
s_Clostridium_sp_Marseille_S3244 t_SGB29302	-0.828014831	-0.583767328	0.144725337	0.553916025	0.567749025	0.409060569	0.0003	0	0.312407754	0.983690563
s_Lachnospiraceae_edouardi t_SGB29433	0.817285289	0.398217451	0.19804078	0.98402859	0.821510376	0.404587867	0	0	0.521347723	0.983690563
s_GGB9637_SGB1511 t_SGB1511	-0.813434941	-0.317426147	0.427765648	0.968692797	1.025742126	0.403131782	0	0	0.630073636	1
s_Streptococcus_constellatus t_SGB8026	-0.810826037	-0.414871578	0.29984173	0.774586648	0.782297728	0.40490347	0	0	0.500560511	1
s_Clostridium_schindensis t_SGB4630_group	-0.807385688	-0.289115747	0.470114475	0.825669933	1.11778097	0.402704029	0.012445	0.03146	0.658370048	0.983690563
s_Clostridia_bacterium t_SGB14832	-0.805449582	-0.425172685	0.288143821	1	0.758282601	0.405117788	0.007165	0.01009	0.486442966	1
s_Clostridium_symbiosum t_SGB4698	-0.801614684	-0.451778028	0.259037008	0.980475198	0.710229369	0.405695075	0.004375	0.00528	0.452952981	1
s_Lachnospira_pectinoshizai t_SGB5075_group	0.801491027	0.271631385	0.497383393	0.207945828	1.18107311	0.402460003	0	0	0.678348593	0.983690563
s_GGB9694_SGB15203 t_SGB15203	-0.799355255	-0.302715144	0.449488156	0.650545962	1.058972656	0.402904719	0.00035	0	0.646273435	0.983690563
s_Coprobacter_secundus t_SGB1962	0.796620769	0.443059526	0.268341988	0.575757078	0.719693553	0.405502132	0	0	0.461489242	0.983690563
s_Oscillobacter_sp_NSJ_62 t_SGB79833	0.795323866	0.554532091	0.165936591	0.542820647	0.574083939	0.408243709	0	0	0.338594302	0.983690563
s_Faecalibacterium_prausnitzii t_SGB15332_group	-0.788668893	-0.380082959	0.342363583	0.601026555	0.830629105	0.404217393	0.00527	0	0.544973438	0.983690563
s_GGB6613_SGB9347 t_SGB9347	0.787853951	0.314451098	0.432108679	0.255042322	1.002883926	0.403085004	0	0	0.632009422	0.983690563
s_Parabacteroides_johnsonii t_SGB1948	0.777974451	0.279318465	0.485291161	1	1.114868779	0.402565547	0	0	0.6691529	1
s_Bacteroides_cellulosilyticus t_SGB1844	0.777232129	0.361723039	0.386161316	0.862619704	0.860067704	0.403879654	0.004455	0.00708	0.564573852	1
s_Massilioclostridium_colli t_SGB29305	0.775846201	0.549198864	0.170046274	0.280047089	0.565462844	0.408099049	0.00061	0.00692	0.344489504	0.983690563
s_Escherichia_coli t_SGB10068	-0.775288029	-0.465563144	0.244785162	0.883635268	0.666565071	0.40600762	0.1499	0.24581	0.43313895	1
s_Eubacterium_rectale t_SGB4933_group	-0.775286106	-0.488646169	0.222170364	0.540651013	0.635075807	0.406551433	0.190585	0.08581	0.398506155	0.983690563
s_Solobacterium_SGB6833 t_SGB6833_group	0.772328529	0.37956022	0.34002452	0.487736485	0.814447818	0.404207916	0	0	0.540797348	0.983690563
s_Anaerostipes_hadrus t_SGB4540_group	-0.769554362	-0.448383983	0.262632439	0.150085221	0.68698504	0.405619528	0.310425	0.04517	0.456868629	0.983690563
s_Lachnospiraceae_bacterium t_SGB4688	-0.763973727	-0.395757119	0.377158648	0.772698022	0.40451943	0	0	0.523509702	1	
s_Sutterella_sp_AM11_39 t_SGB9280	0.763423317	0.350874822	0.380711975	0.764195987	0.870905998	0.403687614	0	0	0.5814788	1
s_Candidatus_Aristotella_avistercoris t_SGB63343	-0.76325088	-0.425067152	0.288265134	0.667510683	0.718733411	0.405115566	0	0	0.486442966	0.983690563
s_Clostridia_unclassified_SGB4121 t_SGB4121	-0.750192909	-0.559766691	0.161976003	0.980583415	0.536443477	0.408387003	0.037575	0.02779	0.333922676	1
s_Clostridium_disporicum t_SGB6178	-0.748531505	-0.389489163	0.265026052	0.249957214	0.769259328	0.404397364	0.011105	0	0.53190036	0.983690563
s_GGB9610_SGB15045 t_SGB15045	-0.748174684	-0.36723106	0.395808061	0.652190117	0.815495688	0.403979362	0	0	0.559033761	0.983690563
s_Olsenella_uli t_SGB14386	-0.740657199	-0.671898018	0.03231477	0.563346358	0.441237383	0.411765265	0	0	0.229752516	0.983690563
s_Blautia_faecis t_SGB4820	-0.736997232	-0.507053107	0.205240033	0.016303709	0.581795656	0.407003384	0.442555	0.14945	0.384671439	0.983690563
s_Clostridia_bacterium t_SGB3969	0.736522349	0.510469111	0.202204073	0.803374746	0.577529972	0.40708904	0.00357	0.00217	0.380576673	1
s_GGB3293_SGB4348 t_SGB4348	0.73561084	0.399353213	0.318425807	1	0.737308098	0.404590326	0.000545	0	0.520455757	1
s_Enterococcus_malodoratus t_SGB7932	-0.729968217	-0.681261495	0.088758144	0.563346358	0.428892225	0.412073805	0	0	0.222494053	0.983690563
s_Dysosmobacter_sp_NSJ_60 t_SGB15124	0.725017118	0.520805378	0.193178867	0.865053125	0.557177208	0.407352765	0.02588	0.02375	0.370950831	1
s_Dysosmobacter_welbionis t_SGB15078	0.723597955	0.759737727	0.057690659	0.12631221	0.381234066	0.414817412	0.21733	0.59921	0.166425589	0.983690563
s_Clostridia_bacterium t_SGB17347	-0.716838879	-0.264958819	0.508008026	0.774586648	1.082932127	0.402370755	0	0	0.685372897	1
s_Hungateella_hathewayi t_SGB4741	0.713382431	0.300777324	0.453295458	0.154959053	0.949369738	0.402875603	6.00E-05	0.00685	0.646273435	0.983690563
s_Massilioclostridium_timonensis t_SGB6767	0.7125104	0.366961217	0.359261286	0.801044527	0.777193404	0.403974443	0	0	0.559033761	1
s_Ruminococcus_bromii t_SGB4285_group	-0.711887169	-0.570212782	0.154286197	0.319285233	0.499726388	0.408676828	0.2096705	0.38219	0.324104562	0.983690563
s_GGB3277_SGB4327 t_SGB4327_group	-0.708766922	-0.236385806	0.554815908	0.409823356	1.200162779	0.402013484	0	0	0.71025513	0.983690563
s_Parabacteroides_distansoni t_SGB1934	0.702479492	0.670200492	0.094061508	0.103817899	0.419553096	0.411709761	0.39076	1.00056	0.23000978	0.983690563
s_Bilophila_wadsworthii t_SGB15452	0.699779305	0.65724864	0.100591197	0.826882376	0.426187466	0.411290661	0.176125	0.19808	0.239429998	1
s_GGB51959_SGB72479 t_SGB72479	-0.693770108	-0.382610077	0.39138465	0.667510683	0.72580047	0.404265597	0	0	0.511583366	0.983690563
s_Lachnospiraceae_bacterium_NSJ_38 t_SGB82502	0.686803381	0.462843927	0.24755196	0.533724659	0.593958252	0.405945244	0	0	0.43546215	0.983690563
s_Clostridia_bacterium t_SGB3961	0.682889214	0.300484968	0.542835023	0.667643127	0.909673551	0.402871226	0	0	0.646273435	1
s_Anaerobutyricum_hallii t_SGB4537	0.676823306	0.316501964	0.429112058	0.395741584	0.855968882	0.403117205	0.142395	0	0.650573118	0.983690563
s_Actinomyces_massiliensis t_SGB15873	-0.671665102	-0.368932761	0.356865558	0.689105313	0.728724931	0.404010466	0	0	0.539033761	0.983690563
s_GGB9580_SGB14998 t_SGB14998	-0.670841936	-0.268704565	0.502029108	0.602760357	0.999316883	0.402420585	0	0	0.683147038	0.983690563
s_GGB4482_SGB6177 t_SGB6177	-0.662529098	-0.243946474	0.542227695	0.255042322	1.08705448	0.402104089	0	0	0.706243493	0.983690563
s_Clostridiaceae_bacterium t_SGB6153	0.662183136	0.236918689	0.55392402	0.543735264	1.118759822	0.402019777	0	0	0.71025513	0.983690563
s_Leuconostoc_pseudomonenteroides t_SGB7124	-0.658711101	-0.295586491	0.460235441	0.593738075	0.892007419	0.40279852	0	0	0.651826665	0.983690563
s_Meridimonas_faecis t_SGB4626	-0.651595202	-0.224297714	0.575204122	0.383099019	1.162816259	0.40187451	0.00027	0	0.727477743	0.983690563
s_GGB9631_SGB15085 t_SGB15085	-0.647230101	-0.259686864	0.161551528	0.624860205	0.997693697	0.402301561	0	0	0.639358946	0.983690563
s_Clostridia_bacterium t_SGB13982	-0.645987387	-0.297995708	0.456587269	0.483963281	0.867704991	0.402834132	0	0	0.64595916	0.983690563
s_GGB3677_SGB4990 t_SGB4990	0.644260779	0.25563804	0.523167354	0.568057808	1.00968748	0.402248821	0			

s_Ruminococcaceae_unclassified_SGB15234 _SGB15234	0.502470859	0.282425449	0.480449871	0.977662548	0.71213957	0.402609033	0	0	0.6691529	1
s_GGB9707_SGB15229 _SGB15229	-0.501574454	-0.247000213	0.537184029	0.747319962	0.812823304	0.402141487	0	0	0.704970898	1
s_Blauita_SGB4815 _SGB4815_group	-0.496794484	-0.325015067	0.416803004	0.455479221	0.611830802	0.403253076	0.010325	0	0.618290713	0.983690563
s_Actinomyces_sp_ICM50 _SGB17169	-0.493795832	-0.217265789	0.582723157	0.693751074	0.909733399	0.401797	0	0	0.730880709	0.983690563
s_Eubacterium_siraum _SGB4198_group	0.493123997	0.281027218	0.482625527	0.62370101	0.702369782	0.402589404	0	0	0.6691529	0.983690563
s_Barnesiella_intestinihominis _SGB1965	0.490461854	0.312251882	0.453235484	0.331533542	0.628721443	0.403050705	0.014375	0.20653	0.632716455	0.983690563
s_Clostridia_bacterium _SGB14861	-0.489672694	-0.240890113	0.547299225	0.097672531	0.813663699	0.402067121	0.218255	0.00383	0.706243493	0.983690563
s_Evtapia_gabavorous _SGB15120	-0.489344734	-0.396287044	0.322155608	0.383515692	0.494268701	0.404529838	0.4587	0.16202	0.523050970	0.983690563
s_Traorella_massiliensis _SGB28999	-0.488156878	-0.275456163	0.491347038	0.366685033	0.709357206	0.402512152	0	0	0.673048678	0.983690563
s_Ruminococcaceae_bacterium _SGB53515	0.481519867	0.25705328	0.520748342	0.974886064	0.749806371	0.402267863	0	0	0.696556543	1
s_Clostridia_bacterium _SGB14874	-0.479589606	-0.245029565	0.540436123	0.870095223	0.783446489	0.4021173	0	0	0.702243493	1
s_Actinomyces_sp_oral_taxon_448 _SGB15872	-0.476958614	-0.636879745	0.11158551	0.289284956	0.299765277	0.410647271	0	0	0.25587007	0.983690563
s_Candidatus_Heterosolispiria_lomani _SGB63278	-0.471572699	-0.215087798	0.591025485	0.409823356	0.877588544	0.401773491	0	0	0.732320527	0.983690563
s_Bacteroides_stercoris _SGB1830_group	0.470326031	0.290140443	0.468541948	0.513015738	0.648856728	0.402719075	1.83763	3.01003	0.505556892	0.983690563
s_Bacteroides_uniformis _SGB1836_group	0.463688302	0.40967391	0.306079971	0.234196816	0.453049754	0.404797284	0.00511	0.04044	0.726082478	1
s_Clostridia_bacterium _SGB14845	-0.460332862	-0.226305138	0.571818948	0.803374746	0.814208497	0.401897087	0	0	0.732320527	1
s_Olsenella_timonensis _SGB14360	0.456771753	0.214479461	0.592075519	0.88614093	0.852455262	0.401766967	0	0	0.706243493	0.983690563
s_Pseudoflavonifractor_sp_AF19_9AC _SGB23477	-0.455096398	-0.241406428	0.564640084	0.64167087	0.75459276	0.402073334	0.01582	0.00275	0.714881486	0.983690563
s_Hungateella_hathewayi _SGB4742	-0.446349909	-0.233023869	0.56045893	0.476876993	0.766713495	0.401974106	0	0	0.817029161	0.983690563
s_Paraprevotella_clara _SGB1798	0.445758915	0.164392704	0.681292687	0.707013702	0.085364381	0.401292904	0.00059	0	0.706243493	0.983690563
s_Candidatus_Avimonas_narfia _SGB14941	0.445364683	0.241279828	0.546651254	0.62370101	0.738813936	0.402071809	0.064505	0.4823	0.683147038	0.983690563
s_Faecalibacterium_prausnitzii _SGB15342	0.44269407	0.267357106	0.50417561	0.460874445	0.662780982	0.402402579	0.12726	0.1026	0.616240593	0.983690563
s_Bacteroides_thetaiotaomicron _SGB1861	0.440743828	0.328905344	0.411248115	0.71506494	0.536380987	0.403316351	0.065205	0.07762	0.656358589	0.983690563
s_Agathobaculum_butyliciproducens _SGB14993_group	-0.431326288	-0.291421333	0.466580858	0.98027628	0.592437627	0.402737628	0.00203	0.00185	0.61240593	0.983690563
s_GGB9818_SGB15459 _SGB15459	0.425146465	0.27341312	0.494566513	0.351593338	0.622411039	0.402484206	0.00805	0	0.695402216	0.983690563
s_Clostridiaceae_bacterium _SGB7256	0.425067352	0.327358081	0.413452155	0.939925308	0.510747908	0.403291096	0.00203	0	0.695402216	0.983690563
s_GGB2980_SGB3962 _SGB3962	-0.424890783	-0.258271456	0.518774496	0.35263721	0.658504831	0.402283516	0.00805	0	0.695402216	0.983690563
s_Dorea_sp_AF24_7LB _SGB4571	0.416095488	0.186447836	0.64135882	0.875339425	0.993292575	0.401486275	0.002375	0	0.781110158	1
s_Schaalia_cardiffensis _SGB17147	-0.415474805	-0.242319241	0.544924903	0.624860205	0.686301359	0.402084349	0	0	0.706243493	0.983690563
s_GGB9623_SGB15075 _SGB15075	0.414481838	0.197752168	0.621277068	0.570972361	0.838962053	0.40159477	0	0	0.762063537	0.983690563
s_Anaeromassiliibacillus_sp_An250 _SGB14894	0.4141917	0.328411084	0.411956147	0.842117596	0.504825926	0.403308271	0.008545	0.01078	0.616240593	0.983690563
s_Neobutirella_massiliensis _SGB7264	0.413327353	0.161870238	0.685920111	0.867643127	0.122080744	0.401272332	0	0	0.819196719	1
s_Ruminococcus_sp_NSJ_71 _SGB4290	0.411267827	0.22138058	0.580214298	0.582766648	0.743606677	0.401842058	0.405125	0.03545	0.632716455	0.983690563
s_Fusicatibacter_saccharivorans _SGB4874	-0.410916968	-0.312055521	0.436246269	0.233767609	0.527084531	0.403047654	0.038465	0.01355	0.604468347	0.983690563
s_Clostridiaceae_bacterium _SGB15143	-0.404881082	-0.336361041	0.400725821	0.3916879	0.481814497	0.403439693	0.057475	0.07191	0.703470133	0.983690563
s_Streptococcus_thermophilus _SGB8002	0.404147673	0.251902296	0.529137184	0.603676312	0.642239896	0.402202486	0.3912	0.14755	0.636890125	0.983690563
s_Blauita_obeum _SGB4811_group	-0.403338178	-0.308615405	0.44071505	0.448051334	0.523130205	0.402994511	0	0	0.695402216	0.983690563
s_Christensenella_sp_Marselle_P3954 _SGB29301	-0.402802148	-0.451050066	0.258905274	0.100025452	0.357458059	0.405678825	0.002375	0	0.781110158	1
s_Mesosuterrella_multiformis _SGB9272_group	0.397530613	0.186991255	0.640387271	0.844422969	0.850956476	0.401491345	0.01313	0.02045	0.669731734	0.983690563
s_Clostridium_innocuum _SGB4037_group	0.397416044	0.277679868	0.487855704	0.697421868	0.572873942	0.402542804	0.008225	0.00421	0.646273435	1
s_Christensenella_aceae_bacterium _SGB14127	0.397233318	0.300230824	0.453217313	0.90260395	0.529600399	0.402867425	0.004125	0.00225	0.684989802	0.983690563
s_Candidatus_Paramurimococcus_gallinarum _SGB63327	-0.393843438	-0.265820505	0.50629313	0.785683099	0.593052582	0.402382156	0.063405	0.0351	0.391731745	0.983690563
s_Candidatus_Avimicrobium_caecorum _SGB15350	-0.389276152	-0.49823454	0.521303373	0.466611444	0.312738992	0.406784837	0	0	0.808171285	0.983690563
s_Clostridia_bacterium _SGB4341	0.38279659	0.170557899	0.670033381	0.689105313	0.898368032	0.401344519	0.159965	0.04881	0.728172795	1
s_Bifidobacterium_lungum _SGB17248	-0.381227124	-0.22324584	0.570272626	0.803374746	0.68353145	0.40186276	0.26851	0.01651	0.730949661	0.983690563
s_GGB2982_SGB3964 _SGB3964	-0.361571818	-0.197304094	0.620267839	0.90728668	0.733527741	0.401590349	0	0	0.819196719	1
s_Clostridiaceae_bacterium _SGB4269	-0.351617348	-0.249202932	0.533560636	0.319100503	0.564774673	0.402168749	0	0	0.819417395	0.983690563
s_GGB9581_SGB14999 _SGB14999	0.351394245	0.16093547	0.687637937	0.810465481	0.873978881	0.401264788	0.00998	0.12527	0.70526152	0.983690563
s_Clostridium_sp_AT4 _SGB4753	-0.350405295	-0.159410641	0.690443575	0.404695429	0.87985563	0.401252577	0.04337	0.11223	0.704970898	0.983690563
s_Candidatus_Heteroclostridium_caecigallinarum _SGB61601	0.348532479	0.174045668	0.66396255	0.593738705	0.801563814	0.401374557	0.00665	0	0.803522289	0.983690563
s_Clostridia_bacterium_UC5_1_1E11 _SGB14895	-0.347582348	-0.169665157	0.671659259	0.729125274	0.82001749	0.401336928	0.00664	0	0.819417395	0.983690563
s_GGB6132_SGB8779 _SGB8779	-0.340846683	-0.126380002	0.752205003	0.968699297	0.1079540106	0.401016522	0.007205	0.00841	0.7144104	0.983690563
s_Lachnospiraceae_bacterium _SGB4750	-0.337389494	-0.158323238	0.692446968	0.251864137	0.852991998	0.40124394	0.023925	0.02303	0.623018664	0.983690563
s_Ruminococcaceae_unclassified_SGB15233 _SGB15233	0.336130037	0.126669492	0.751656069	0.720363925	0.1622168358	0.401018355	0.00998	0.12527	0.70526152	0.983690563
s_Lactonfactor_longoviformis _SGB7280	0.333118135	0.150793229	0.706378411	0.968692797	0.884248845	0.401185746	0	0	0.83079837	1
s_GGB9551_SGB14958 _SGB14958	0.326282522	0.126314128	0.752329931	0.483963281	0.103950977	0.401016106	0.00664	0	0.819417395	0.983690563
s_Clostridia_bacterium _SGB15382	0.323827351	0.127369605	0.75022773	0.643109479	0.107449158	0.401022977	0.00998	0.12527	0.70526152	0.983690563
s_Intestinimonas_butyliciproducens _SGB15126	0.319601724	0.322684467	0.420151939	0.511108872	0.396450636	0.403215525	0.0023925	0.02303	0.623018664	0.983690563
s_Clostridiales_bacterium_1_7_47FAA _SGB4763	-0.310102954	-0.145458421	0.716308677	0.689105313	0.853345892	0.401146228	0	0	0.836584388	0.983690563
s_Lachnospiraceae_bacterium _SGB4808	0.292830575	0.118748765	0.766719817	0.476938808	0.987064165	0.400969728	0	0	0.87585147	0.983690563
s_Catenibacillus_scindens _SGB59869	0.292007901	0.150034261	0.707788162	0.383538324	0.779044426	0.401180037	0.00998	0.12527	0.70526152	0.983690563
s_Roseburia_hominis _SGB4936	0.290769865	0.247037856	0.512723334	0.201188302	0.471133843	0.402141948	0.04337	0.11223	0.704970898	0.983690563
s_Clostridia_bacterium _SGB6353	-0.290552163	-0.1748003	0.66232826	0.593738705	0.665274879	0.401381136	0.00665	0	0.803522289	0.983690563
s_Enterococcus_faecalis _SGB7962	0.289213235	0.136448961	0.733187632	0.162463370	0.848410428	0.401082713	0.00664	0	0.819417395	0.983690563
s_Clostridia_bacterium _SGB14937	-0.288177981	-0.093207731	0.815870546	0.237722479	0.123758185	0.400834276	0.00998	0.12527	0.70526152	0.983690563
s_Candidatus_Pseudolachnospira_avium _SGB59819	-0.286402828	-0.149543531	0.708700207	0.59129615	0.766598081	0.401176361	0	0	0.806100324	1
s_Adlercreutzia_equofaciens _SGB14797_group	0.282731652	0.204150863	0.610032558	0.536574494	0.554346458	0.401658999	0.00998	0.12527	0.70526152	0.983690563
s_Bacteroidaceae_bacterium _SGB1408	0.277190137	0.172209958	0.660728702	0.874926285	0.644284794	0.401358671	0	0	0.819196719	0.983690563
s_Butyrimonas_faecihominis _SGB1786	-0.275126672	-0.160556612	0.688334623	0.696074073	0.685902783	0.401261744	0	0	0.819417395	0.983690563
s_GGB51510_SGB17883 _SGB17883	-0.272390264	-0.1647639691	0.506565108	0.563463538	0.16835119	0.401098476	0.00998	0.12527	0.70526152	0.983690563
s_Lactobacillus_vaginalis _SGB7098	-0.269595517	-0.119010403	0.766220783	0.593738705	0.906746327	0.400971284	0	0	0.87585147	0.983690563
s_Alistipes_senegalensis _SGB2296	-0.267528648	-								

s_Clostridia_bacterium t_SGB14209	-0.135064888	-0.053311678	0.894044897	0.920350859	1.014093908	0.400687965	0	0	0.953444814	1
s_Holdemania_filiformis t_SGB4046	-0.129817308	-0.047847665	0.904849856	1	1.086000216	0.400674128	0	0	0.956344552	1
s_Peptococcaceae_bacterium t_SGB4059	-0.129808726	-0.047061352	0.906406272	0.526550019	1.104072406	0.400672259	0	0	0.956344552	0.983690563
s_GGB3510_SGB4687 t_SGB4687	-0.126620181	-0.063306285	0.874332987	0.976933929	0.800597379	0.400717142	0	0	0.941538509	1
s_Anaerofilum_sp_BX8 t_SGB79822	-0.114887163	-0.055615515	0.889494881	0.825586163	0.826863093	0.400694247	0	0	0.951995101	1
s_Lactocaseibacillus_rhamnosus t_SGB7144	-0.114353595	-0.059979871	0.880885489	0.720363925	0.763136744	0.400706877	0	0	0.94585646	0.983690563
s_Candidatus_Heteroruminococcus_faecigallinarum t_SGB63341	-0.109576117	-0.053678419	0.893320357	0.689105313	0.817098206	0.400688947	0	0	0.953444814	0.983690563
s_Lancefieldella_rimae t_SGB985	-0.108136843	-0.143240187	0.720451998	0.563346358	0.302180803	0.401130214	0	0	0.83985652	0.983690563
s_Turcibacter_sanguinis t_SGB6847	-0.10064706	-0.051440311	0.897743373	0.609478529	0.783169158	0.400683058	0	0	0.953696474	0.983690563
s_Anaerotruncus_rubiifantisi t_SGB25416	-0.099916692	-0.071753023	0.85773396	0.842117596	0.557385812	0.400745699	0.002855	0.00156	0.932190033	1
s_Parasutterella_excrementihominis t_SGB9262	0.095652167	0.044216113	0.91204105	0.68937065	0.865909135	0.400665757	0	0	0.956344552	0.983690563
s_Clostridia_unclassified_SGB15402 t_SGB15402	0.089061346	0.05553999	0.889643984	0.417626065	0.641861788	0.400694037	0.00785	0	0.951995101	0.983690563
s_Blautia_massiliensis t_SGB4826_group	-0.083019582	-0.051672553	0.897284258	0.366755061	0.643100263	0.400683657	0.42714	0.15507	0.953696474	0.983690563
s_GGB9494_SGB14891 t_SGB14891	-0.080821101	-0.075720826	0.849957869	0.90260935	0.427235655	0.400760345	0.01895	0.01768	0.926957537	1
s_Clostridia_bacterium t_SGB14954	-0.079756236	-0.045727508	0.909047278	0.97341096	0.698144273	0.400669161	0	0	0.956344552	1
s_Clostridia_bacterium t_SGB3574	-0.078761149	-0.047427992	0.905680505	0.295324809	0.66471484	0.400673127	0.022005	0.00547	0.956344552	0.983690563
s_GGB9361_SGB14336 t_SGB14336	-0.074654123	-0.031640004	0.936996243	0.968692797	0.944442095	0.400641873	0	0	0.972735735	1
s_Clostridium_sp_AF36_4 t_SGB4644	0.073471045	0.044593305	0.91129379	0.334501904	0.659484543	0.400666596	0.011765	0	0.956344552	0.983690563
s_Lachnospiraceae_bacterium t_SGB4780	0.073230839	0.036096582	0.928144544	0.582766548	0.812056033	0.400649431	0	0	0.966752886	0.983690563
s_Massiliatercola_timonensis t_SGB4628	-0.072994423	-0.032678668	0.934932501	0.207677443	0.894094452	0.400643546	0.00119	0	0.972205558	0.983690563
s_Phocaeicola_vulgatus t_SGB1814	0.072503002	0.041504449	0.917415418	0.921677381	0.699228961	0.400659938	1.342085	1.36189	0.960371324	1
s_Enterocloster_aldensis t_SGB4762	-0.069272447	-0.050879934	0.89885131	0.555240146	0.544969327	0.400681622	0.00226	0.00556	0.953696474	0.983690563
s_Ruminococcus_torques t_SGB4608	-0.06255573	-0.076664317	0.848110933	0.80800388	0.326611815	0.400763943	0.37845	0.3578	0.926957537	1
s_Phocaeicola_massiliensis t_SGB1812	-0.062218601	-0.029742371	0.940767769	0.650545962	0.837341708	0.400638957	0	0.01481	0.973422518	0.983690563
s_Streptococcus_sp_A12 t_SGB8059_group	-0.061867894	-0.028737379	0.942765723	0.880574813	0.861739961	0.400637486	0	0	0.973745513	1
s_Alistipes_inops t_SGB2286	0.056517748	0.020899541	0.958378877	0.825586163	1.082963983	0.400627734	0	0	0.983516683	1
s_Actinomyces_SGB17154 t_SGB17154	-0.051429115	-0.017472744	0.96518189	0.867643127	1.178164723	0.400624453	0	0	0.986662716	1
s_Gordonibacter_sp_An232A t_SGB14805	0.051162407	0.028020593	0.944190937	0.326496164	0.73085581	0.400636467	0	0	0.973745513	0.983690563
s_Clostridia_bacterium t_SGB14854	-0.049673445	-0.021495816	0.957172056	0.431534663	0.924971628	0.400628378	0.01249	0.01475	0.983516683	0.983690563
s_Parabacteroides_merdiae t_SGB1949	0.048263314	0.04020244	0.919967284	0.661818728	0.480532536	0.400657275	0.586595	0.48929	0.961466277	0.983690563
s_GGB9699_SGB15216 t_SGB15216	-0.043415772	-0.030806515	0.938652624	0.785683099	0.564108988	0.40064057	0.03489	0.06595	0.972841958	1
s_Bifidobacterium_dentium t_SGB17234	-0.035940234	-0.016183736	0.967749054	1	0.888914922	0.400623366	0	0	0.986662716	1
s_Eubacterium_ventriosum t_SGB5045	-0.03520959	-0.016724723	0.966671592	0.266232635	0.842675008	0.400623812	0	0	0.986662716	0.983690563
s_GGB9537_SGB14940 t_SGB14940	0.02617199	0.017218596	0.965688018	0.857039385	0.608411035	0.400624232	0.00035	0	0.986662716	1
s_Alistipes_shahii t_SGB2295	-0.026074522	-0.024821183	0.950554563	0.826620953	0.420486377	0.400632234	0.257075	0.17906	0.978695981	1
s_Lachnospiraceae_bacterium t_SGB4909	0.022072921	0.007985042	0.98408413	1	1.106472639	0.400618405	0	0	0.999800823	1
s_Blautia_SGB4805 t_SGB4805	-0.020013846	-0.009483419	0.981098064	1	0.844741229	0.40061906	0	0	0.98646159	1
s_Candidatus_Borkfalkia_ceftriaxoniphila t_SGB14027	-0.013679384	-0.003875585	0.992274752	0.44331725	1.412821807	0.400617184	0	0	0.999800823	0.983690563
s_Clostridia_bacterium t_SGB15411	0.011351731	0.004633008	0.990765034	0.185337675	0.980747298	0.400617346	0	0	0.999800823	0.983690563
s_Eubacterium_callanderi t_SGB4080	0.006993619	0.00297602	0.994067827	1	0.940641757	0.40061703	0	0	0.999800823	1
s_GGB38987_SGB63305 t_SGB63305	0.005364321	0.002089683	0.995834564	0.185337675	1.027524869	0.400616918	0	0	0.999800823	0.983690563
s_Roseburia_inulinivorans t_SGB4940	0.003912439	0.002052668	0.995908347	0.542897624	0.762933992	0.400616914	0.18432	0.06046	0.999800823	0.983690563
s_Methanobrevibacter_smithii t_SGB714_group	-0.003178496	-0.002495883	0.995024882	0.729031067	0.509748026	0.400616964	0.00166	0	0.999800823	0.983690563
s_Candidatus_Neoruminococcus_faecicola t_SGB63342	-0.002762367	-0.00145541	0.997098875	0.34495226	0.759718143	0.400616861	0	0	0.999800823	0.983690563
s_Mediterraneibacter_butylicigenes t_SGB25493	-0.001850461	-0.000856607	0.998292491	0.62370101	0.864682539	0.400616827	0	0	0.999800823	0.983690563
s_Marvinbryantia_SGB4691 t_SGB4691	-0.000226464	-0.000334775	0.999332678	0.689105313	0.270771552	0.400616811	0	0	0.999800823	0.983690563
s_Candidatus_Cibiobacter_quicibialis t_SGB15286	0.000159848	9.99E-05	0.999800823	0.941216656	0.640338715	0.400616809	0.07586	0.43487	0.999800823	1

