

Supplemental Table 1 was the results of the Person correlation analysis of BALF micr

BALF	Feces	rho	pvalue	relation
g__unidentifie	g__unidentifie	-0.8996643	6.7528E-05	negative
g__unclassifie	g__unidentifie	-0.89803779	7.2976E-05	negative
g__unidentifie	g__Atopobiun	-0.83202436	0.0007886	negative
g__unidentifie	g__unclassifie	-0.81208006	0.00133357	negative
g__unidentifie	g__Lactobacill	-0.80309186	0.00165751	negative
g__unidentifie	g__Atopobiun	0.79644879	0.00193333	positive
g__unclassifie	g__unclassifie	0.7944569	0.0020225	positive
g__Bryobacte	g__Atopobiun	0.78650942	0.00241003	positive
g__unidentifie	g__unidentifie	0.78469717	0.00250583	positive
g__unclassifie	g__unclassifie	-0.7812036	0.00269867	negative
g__unidentifie	g__Bacteroid	0.77252049	0.003227	positive
g__Bosea	g__unclassifie	0.77103582	0.00332468	positive
g__unclassifie	g__Atopobiun	-0.76890433	0.00346883	negative
g__Novosphir	g__unclassifie	0.76882308	0.00347442	positive
g__Lactobacill	g__unclassifie	-0.76842658	0.00350178	negative
g__Sediminib	g__unclassifie	0.75790054	0.00428994	positive
g__Novosphir	g__unidentifie	0.74926168	0.00503146	positive
g__Bosea	g__unidentifie	0.7423434	0.00569195	positive
g__unclassifie	g__unidentifie	0.7388589	0.00604835	positive
g__unidentifie	g__[Ruminocc	0.73700143	0.00624506	positive
g__Sediminib	g__unidentifie	0.73681626	0.00626493	positive
g__unclassifie	g__Coprococc	0.7366881	0.00627871	positive
g__unclassifie	g__Desulfovib	0.73450112	0.0065174	positive
g__Butyricico	g__unclassifie	0.73390225	0.00658393	positive
g__unidentifie	g__unidentifie	0.73281931	0.00670554	positive
g__unidentifie	g__unclassifie	0.73228048	0.00676667	positive
g__unidentifie	g__unidentifie	0.71655806	0.00874187	positive
g__unidentifie	g__Oscillospir	0.7137173	0.00914024	positive
g__Caulobact	g__unidentifie	0.71325402	0.00920647	positive
g__unidentifie	g__unclassifie	0.70822163	0.00994916	positive
g__Lactobacill	g__unidentifie	-0.70629892	0.01024438	negative
g__Candidatu	g__unclassifie	0.70624456	0.01025283	positive
g__Butyricico	g__[Ruminocc	0.70607657	0.01027894	positive
g__unclassifie	g__Coprococc	-0.70351395	0.01068349	negative
g__Caulobact	g__unclassifie	0.70263474	0.01082498	positive
g__Geobacillu	g__unclassifie	0.69757837	0.01166589	positive
g__Ralstonia	g__unclassifie	0.6959692	0.01194339	positive
g__unidentifie	g__Coprococc	-0.69377811	0.01232908	negative
g__Geobacillu	g__Atopobiun	0.69108032	0.01281654	positive
g__unclassifie	g__unclassifie	0.69013438	0.01299079	positive
g__Candidatu	g__unidentifie	0.69011355	0.01299465	positive
g__unclassifie	g__unidentifie	0.68991438	0.01303157	positive
g__unidentifie	g__Bacteroid	0.68912558	0.01317855	positive
g__Sediminib	g__Atopobiun	0.68726042	0.01353096	positive
g__unidentifie	g__Lactobacill	0.68682455	0.01361431	positive
g__Geobacillu	g__Bacteroid	0.68630068	0.01371499	positive
g__Ralstonia	g__unidentifie	0.68340117	0.0142822	positive

g__Bryobacte	g__unclassifie	0.68018399	0.01493161	positive
g__Bryobacte	g__Subdoligra	0.67592785	0.01582385	positive
g__Brevundin	g__unidentifie	0.66983445	0.01716873	positive
g__unclassifie	g__Desulfovib	0.66798446	0.01759314	positive
g__unclassifie	g__unidentifie	-0.66785627	0.01762284	negative
g__unclassifie	g__Bacteroides	0.66586542	0.01808868	positive
g__unidentifie	g__[Ruminoc	-0.66491067	0.01831526	negative
g__Bryobacte	g__unidentifie	0.66484766	0.01833029	positive
g__unclassifie	g__Atopobiun	0.66375929	0.01859126	positive
g__unidentifie	g__unidentifie	0.66338518	0.01868159	positive
g__unidentifie	g__Atopobiun	0.66240659	0.01891939	positive
g__unidentifie	g__unclassifie	0.66201404	0.01901541	positive
g__unidentifie	g__unclassifie	0.66171652	0.01908841	positive
g__unclassifie	g__Lactobacill	-0.65938615	0.01966736	negative
g__unclassifie	g__unidentifie	0.65329522	0.02124108	positive
g__unidentifie	g__unidentifie	-0.65288806	0.02134945	negative
g__unclassifie	g__Atopobiun	0.6508058	0.02190998	positive
g__unidentifie	g__unidentifie	0.64915326	0.0223624	positive
g__Geobacillu	g__Lactobacill	-0.64866061	0.02249858	negative
g__Bacteroides	g__unidentifie	-0.64586921	0.02328161	negative
g__unidentifie	g__unidentifie	-0.63847758	0.02545057	negative
g__unclassifie	g__unclassifie	0.63789426	0.02562774	positive
g__Bryobacte	g__Lactobacill	-0.63774481	0.02567328	negative
g__unidentifie	g__unidentifie	-0.6351921	0.02646015	negative
g__Butyricico	g__unclassifie	0.63461088	0.02664173	positive
g__unclassifie	g__unidentifie	0.63063675	0.02790746	positive
g__Roseburia	g__[Ruminoc	0.62955498	0.02825938	positive
g__unidentifie	g__Oscillospir	-0.62691666	0.02913109	negative
g__Mucispirill	g__unidentifie	-0.62572764	0.02953022	negative
g__Mucispirill	g__Atopobiun	-0.62445255	0.02996259	negative
g__unclassifie	g__[Ruminoc	-0.62208186	0.03077855	negative
g__unidentifie	g__unidentifie	0.62081154	0.0312223	positive
g__unidentifie	g__Oscillospir	0.61748225	0.03240707	positive
g__unclassifie	g__unclassifie	0.61547116	0.03313817	positive
g__Ralstonia	g__Atopobiun	0.61497061	0.03332197	positive
g__Caulobacti	g__Atopobiun	0.61315332	0.03399537	positive
g__unidentifie	g__Lactobacill	-0.61025344	0.03509004	negative
g__Butyricico	g__unclassifie	0.60922855	0.03548288	positive
g__unidentifie	g__unclassifie	0.60798721	0.03596287	positive
g__unclassifie	g__Subdoligra	-0.6062622	0.03663758	negative
g__Geobacillu	g__unidentifie	0.60474188	0.03723966	positive
g__Comamon	g__Atopobiun	-0.60194137	0.03836715	negative
g__Bacteroides	g__Atopobiun	-0.60193361	0.03837031	negative
g__Bryobacte	g__unidentifie	0.59713017	0.04036057	positive
g__Novosphir	g__Atopobiun	0.59524296	0.04116221	positive
g__Comamon	g__unidentifie	-0.59379421	0.04178522	negative
g__Candidatu	g__Atopobiun	0.59368197	0.04183377	positive
g__Stenotrop	g__Desulfovib	0.59254959	0.04232577	positive
g__Sediminib	g__Subdoligra	0.59038537	0.04327747	positive
g__unclassifie	g__unclassifie	0.59014231	0.04338529	positive

g__unidentified	g__Bacteroides	-0.58767615	0.04449007	negative
g__Butyrivibrio	g__unidentified	0.58746274	0.04458659	positive
g__Brevundinella	g__Atopobium	0.58551522	0.04547432	positive
g__unidentified	g__Subdoligranella	0.58489955	0.04575753	positive
g__unclassified	g__unidentified	-0.5819949	0.04711052	negative
g__Lactobacillus	g__Bacteroides	-0.58073919	0.04770407	negative
g__Bosea	g__Coproccoccus	0.5806191	0.04776111	positive
g__unclassified	g__Lactobacillus	0.58040297	0.04786388	positive
g__Brevundinella	g__Coproccoccus	0.57850337	0.04877389	positive
g__unidentified	g__unidentified	0.57604237	0.04997086	positive
g__Geobacillus	g__Oscillospira	0.57334883	0.05130443	positive
g__Bacteroides	g__Coproccoccus	-0.57329527	0.05133119	negative
g__Bacteroides	g__Lactobacillus	0.57150321	0.05223247	positive
g__Butyrivibrio	g__unidentified	0.56967079	0.05316546	positive
g__unclassified	g__Subdoligranella	0.56958985	0.05320694	positive
g__Roseburia	g__unidentified	0.56400898	0.05612185	positive
g__Sediminibacillus	g__Desulfovibrio	-0.56380035	0.05623293	negative
g__unidentified	g__unidentified	0.5614811	0.05747813	positive
g__Brevundinella	g__unclassified	0.56029003	0.05812502	positive
g__unclassified	g__Atopobium	0.56005862	0.05825129	positive
g__unclassified	g__unidentified	0.5596934	0.05845097	positive
g__unclassified	g__unidentified	-0.55952768	0.05854172	negative
g__unclassified	g__unidentified	0.55935926	0.05863406	positive
g__unidentified	g__Atopobium	0.55824892	0.05924535	positive
g__Butyrivibrio	g__Oscillospira	0.5575808	0.05961531	positive
g__unidentified	g__Subdoligranella	0.55667318	0.06012046	positive
g__Elizabethkingia	g__Atopobium	-0.55635122	0.06030036	negative
g__unidentified	g__Subdoligranella	-0.5539192	0.06167142	negative
g__unidentified	g__unclassified	-0.55088593	0.06341155	negative
g__Comamonas	g__unidentified	-0.55010427	0.06386543	negative
g__unidentified	g__Lactobacillus	-0.5488373	0.06460587	negative
g__Mucispirillum	g__unidentified	-0.54627525	0.0661213	negative
g__Novosphingobium	g__Desulfovibrio	-0.54540475	0.06664173	negative
g__unidentified	g__Coproccoccus	0.54390736	0.06754355	positive
g__unidentified	g__unclassified	-0.54386801	0.06756736	negative
g__unclassified	g__Coproccoccus	0.54329586	0.06791424	positive
g__unidentified	g__unidentified	0.54288543	0.06816384	positive
g__unidentified	g__unclassified	0.54181297	0.068819	positive
g__unclassified	g__unidentified	0.54167212	0.06890536	positive
g__unclassified	g__Bacteroides	0.54150251	0.06900946	positive
g__unclassified	g__Coproccoccus	0.54143729	0.06904952	positive
g__unidentified	g__[Ruminococcus]	0.54104371	0.0692916	positive
g__unidentified	g__Desulfovibrio	-0.53979724	0.07006212	negative
g__unclassified	g__Lactobacillus	-0.53918132	0.07044502	negative
g__Butyrivibrio	g__unidentified	0.53866762	0.07076548	positive
g__Bosea	g__Bacteroides	0.53595946	0.07247146	positive
g__unidentified	g__unidentified	-0.53495657	0.07311032	negative
g__unclassified	g__Atopobium	0.53434226	0.07350355	positive
g__Roseburia	g__unclassified	0.53419932	0.07359526	positive
g__unclassified	g__Desulfovibrio	-0.53313941	0.07427771	negative

g__Elizabethk	g__unidentifi	-0.53296007	0.07439361	negative
g__Helicobact	g__unidentifi	-0.53283256	0.07447609	negative
g__Bryobacte	g__unidentifi	0.53229003	0.07482772	positive
g__unidentifi	g__unclassifi	-0.53220598	0.0748823	negative
g__Pseudomc	g__Desulfovib	0.53145425	0.07537165	positive
g__Comamon	g__unidentifi	-0.53116694	0.07555926	negative
g__Lactobacill	g__unidentifi	-0.53005326	0.07628948	negative
g__Ralstonia	g__Subdoligra	0.52993086	0.07637002	positive
g__Caulobacti	g__Desulfovib	-0.52785277	0.07774646	negative
g__Bacteroid	g__unidentifi	-0.52783726	0.0777568	negative
g__Candidatu	g__Coproco	0.52765245	0.07788004	positive
g__Novosphir	g__Coproco	0.52666743	0.07853912	positive
g__Caulobacti	g__Subdoligra	0.52605517	0.0789507	positive
g__unidentifi	g__Atopobiun	0.52556273	0.0792828	positive
g__Helicobact	g__Atopobiun	-0.52497335	0.07968152	negative
g__Novosphir	g__Bacteroid	0.52460588	0.07993082	positive
g__unidentifi	g__unclassifi	0.52445019	0.08003659	positive
g__Mucispirill	g__Bacteroid	-0.52275123	0.08119711	negative
g__unclassifi	g__Desulfovib	-0.52245732	0.08139904	negative
g__Sediminib	g__Lactobacill	-0.52170031	0.08192068	negative
g__Roseburia	g__unclassifi	0.52128232	0.08220968	positive
g__Mucispirill	g__unidentifi	-0.52036417	0.08284694	negative
g__Bryobacte	g__Desulfovib	-0.51987252	0.08318956	negative
g__Candidatu	g__Desulfovib	-0.51749275	0.08486153	negative
g__Geobacillu	g__unidentifi	0.51666722	0.08544682	positive
g__Bosea	g__Atopobiun	0.51565015	0.08617166	positive
g__Caulobacti	g__Coproco	0.51546386	0.08630487	positive
g__Pseudomc	g__Atopobiun	-0.51499784	0.08663873	negative
g__Ralstonia	g__Desulfovib	-0.51374263	0.08754231	negative
g__Bosea	g__Desulfovib	-0.51311812	0.08799424	negative
g__Bryobacte	g__unidentifi	0.51264651	0.08833656	positive
g__Butyricico	g__Atopobiun	0.51178993	0.08896063	positive
g__Stenotrop	g__[Ruminoc	-0.50918917	0.09087366	negative
g__Brevundin	g__unidentifi	0.50745541	0.09216424	positive
g__Mucispirill	g__Lactobacill	0.50701898	0.09249106	positive
g__unidentifi	g__unidentifi	0.50693885	0.09255115	positive
g__Sediminib	g__unidentifi	0.50691851	0.0925664	positive
g__unclassifi	g__Subdoligra	0.50603107	0.0932337	positive
g__unidentifi	g__rc4-4	0.50595773	0.093289	positive
g__Comamon	g__Desulfovib	0.50542045	0.09369474	positive
g__Acinetoba	g__unidentifi	-0.50273712	0.09573886	negative
g__unclassifi	g__[Ruminoc	-0.50237253	0.0960189	negative
g__unclassifi	g__unidentifi	0.50222276	0.09613409	positive
g__unidentifi	g__Desulfovib	-0.5019294	0.09635999	negative
g__unidentifi	g__unidentifi	0.50188517	0.09639409	positive
g__unidentifi	g__Desulfovib	-0.49996766	0.0978798	negative
g__Comamon	g__[Ruminoc	-0.49926674	0.09842669	negative
g__Geobacillu	g__Subdoligra	0.49803922	0.09938938	positive
g__unidentifi	g__Bacteroid	0.49766164	0.09968676	positive
g__Lactobacill	g__Atopobiun	-0.49725337	0.10000899	negative

g__Roseburia	g__unclassified	0.49659449	0.10053047	positive
g__Sediminibacillus	g__unidentified	0.4965691	0.1005506	positive
g__Acinetobacter	g__Atopobium	-0.49413722	0.10249135	negative
g__Ralstonia	g__Coproccoccus	0.49382437	0.10274282	positive
g__unidentified	g__unidentified	0.49192466	0.10427865	positive
g__Bacteroides	g__unidentified	-0.49099421	0.10503642	negative
g__unidentified	g__unidentified	0.48834865	0.10721103	positive
g__Helicobacter	g__unclassified	-0.48828702	0.10726205	negative
g__Caulobacter	g__Lactobacillus	-0.48810283	0.1074146	negative
g__Brevundinella	g__Desulfovibrio	-0.48788337	0.10759656	negative
g__Bryobacter	g__Oscillospira	0.48712709	0.10822516	positive
g__Candidatus	g__Subdoligranella	0.48590346	0.10924737	positive
g__unclassified	g__Subdoligranella	0.48491422	0.11007843	positive
g__Comamonas	g__Subdoligranella	-0.48465132	0.1103	negative
g__unidentified	g__rc4-4	0.48405304	0.11080531	positive
g__Stenotrophomonas	g__Coproccoccus	-0.48403713	0.11081877	negative
g__Ralstonia	g__unidentified	0.48282939	0.11184361	positive
g__Brevundinella	g__Subdoligranella	0.48264718	0.11199876	positive
g__Acinetobacter	g__Desulfovibrio	0.48144857	0.11302297	positive
g__Butyrivibrio	g__Bacteroides	0.48085937	0.11352869	positive
g__Bacteroides	g__unclassified	-0.47921477	0.11494822	negative
g__unclassified	g__Desulfovibrio	-0.47897868	0.11515295	negative
g__Helicobacter	g__unidentified	0.47833791	0.11570983	positive
g__unidentified	g__unidentified	0.47771427	0.11625353	positive
g__unclassified	g__unidentified	0.47724207	0.11666632	positive
g__Butyrivibrio	g__rc4-4	0.4736304	0.11985555	positive
g__Helicobacter	g__unidentified	-0.47313896	0.12029389	negative
g__Geobacillus	g__unidentified	0.47216935	0.12116181	positive
g__Elizabethkingia	g__unidentified	-0.47179707	0.12149614	negative
g__Caulobacter	g__unidentified	0.46865316	0.1243437	positive
g__unclassified	g__unclassified	-0.46860236	0.12439007	negative
g__Mucispirillum	g__Coproccoccus	-0.46839458	0.12457983	negative
g__unclassified	g__Oscillospira	-0.46820784	0.12475054	negative
g__Geobacillus	g__unidentified	0.46779487	0.12512861	positive
g__Acinetobacter	g__unidentified	-0.46677257	0.12606772	negative
g__unclassified	g__unclassified	-0.46670895	0.12612632	negative
g__unidentified	g__unclassified	-0.46657809	0.1262469	negative
g__unclassified	g__unclassified	-0.46612379	0.1266661	negative
g__unidentified	g__Subdoligranella	0.46604724	0.12673682	positive
g__Sediminibacillus	g__Bacteroides	0.46584141	0.12692712	positive
g__Novosphingobium	g__Lactobacillus	-0.46505086	0.12765973	negative
g__unclassified	g__Oscillospira	0.46481867	0.12787543	positive
g__unidentified	g__unidentified	0.46412818	0.12851828	positive
g__Bosea	g__unclassified	0.46367612	0.12894029	positive
g__Brevundinella	g__Lactobacillus	-0.46364977	0.12896491	negative
g__unclassified	g__unidentified	0.46332458	0.12926907	positive
g__unclassified	g__unclassified	0.46314387	0.12943831	positive
g__Pseudomonas	g__unidentified	-0.46249294	0.13004908	negative
g__unclassified	g__Subdoligranella	0.45966275	0.13272649	positive
g__Stenotrophomonas	g__unidentified	-0.45938986	0.13298653	negative

g__unidentifi	g__unidentifi	0.45903562	0.13332458	positive
g__unidentifi	g__Desulfovib	0.45770963	0.13459491	positive
g__Bacteroid	g__unidentifi	-0.45756772	0.13473132	negtive
g__unclassifi	g__unidentifi	0.45715978	0.13512398	positive
g__unidentifi	g__unidentifi	0.45670034	0.13556708	positive
g__unidentifi	g__unclassifi	0.45629243	0.13596128	positive
g__Butyricico	g__unclassifi	0.45598929	0.1362547	positive
g__unclassifi	g__unidentifi	0.45483216	0.13737854	positive
g__unidentifi	g__unclassifi	0.45465773	0.13754847	positive
g__Butyricico	g__unclassifi	0.45423105	0.13796471	positive
g__Stenotrop	g__unidentifi	-0.45391147	0.13827701	negtive
g__Bryobacte	g__Bacteroid	0.45321278	0.13896136	positive
g__Candidatu	g__unidentifi	0.45319488	0.13897892	positive
g__Comamon	g__Lactobacill	0.45260607	0.1395574	positive
g__Geobacillu	g__Desulfovib	-0.4518073	0.14034463	negtive
g__Sediminib	g__Coprococc	0.45082668	0.141315	positive
g__Stenotrop	g__unidentifi	-0.4503254	0.14181271	negtive
g__Mucispirill	g__Desulfovib	0.45013594	0.14200111	positive
g__Elizabethk	g__Bacteroid	-0.44849325	0.14364141	negtive
g__unidentifi	g__Coprococc	0.44783878	0.1442983	positive
g__Comamon	g__unclassifi	-0.44709107	0.14505115	negtive
g__unclassifi	g__unidentifi	-0.44631304	0.14583719	negtive
g__Butyricico	g__unidentifi	0.44609518	0.14605779	positive
g__Acinetoba	g__Lactobacill	0.44597172	0.14618289	positive
g__Brevundin	g__unidentifi	0.44537307	0.1467905	positive
g__Acinetoba	g__unidentifi	-0.44324245	0.14896612	negtive
g__unclassifi	g__Coprococc	0.44311156	0.14910044	positive
g__Lactobacill	g__Lactobacill	0.44310121	0.14911106	positive
g__unclassifi	g__Desulfovib	-0.44303035	0.14918382	negtive
g__Butyricico	g__Lactobacill	-0.44075895	0.15152801	negtive
g__Stenotrop	g__unidentifi	-0.43920839	0.15314172	negtive
g__unclassifi	g__unidentifi	0.43774818	0.15467137	positive
g__Ralstonia	g__Lactobacill	-0.437731	0.15468943	negtive
g__unidentifi	g__Subdoligra	0.43738716	0.15505106	positive
g__unclassifi	g__unidentifi	0.43715028	0.15530052	positive
g__Helicobact	g__unidentifi	-0.43600996	0.15650493	negtive
g__Comamon	g__Bacteroid	-0.43575308	0.15677706	negtive
g__Caulobact	g__unidentifi	0.43521943	0.15734337	positive
g__Roseburia	g__Subdoligra	0.43257506	0.16016875	positive
g__Stenotrop	g__Atopobiun	-0.43234815	0.16041267	negtive
g__unclassifi	g__Bacteroid	-0.43230483	0.16045927	negtive
g__Comamon	g__unclassifi	-0.43199742	0.16079019	negtive
g__Acinetoba	g__Subdoligra	-0.43129741	0.16154531	negtive
g__unclassifi	g__unclassifi	0.43116286	0.1616907	positive
g__Elizabethk	g__unidentifi	-0.42979453	0.16317411	negtive
g__Pseudomc	g__Subdoligra	-0.42934312	0.16366536	negtive
g__Stenotrop	g__Subdoligra	-0.42920178	0.16381936	negtive
g__Helicobact	g__Bacteroid	-0.4291503	0.16387548	negtive
g__Caulobact	g__Bacteroid	0.4285352	0.16454693	positive
g__Lactobacill	g__unidentifi	-0.42718715	0.16602452	negtive

g__unidentifi	g__rc4-4	0.42471764	0.16875301	positive
g__Elizabethk	g__Lactobacill	0.42464948	0.16882872	positive
g__unclassifie	g__unidentifi	0.42410881	0.16943001	positive
g__Acinetoba	g__Bacteroid	-0.42397228	0.16958206	negative
g__Lactobacill	g__Subdoligra	-0.42314862	0.17050117	negative
g__Stenotrop	g__unclassifie	-0.42304802	0.17061364	negative
g__unidentifi	g__unidentifi	0.4227614	0.17093434	positive
g__Mucispirill	g__unidentifi	-0.42180154	0.1720111	negative
g__Novosphir	g__unclassifie	0.42175358	0.17206501	positive
g__Novosphir	g__unidentifi	0.42052568	0.17344892	positive
g__Caulobact	g__unidentifi	0.41943877	0.17467972	positive
g__unidentifi	g__unidentifi	0.41922037	0.17492769	positive
g__Helicobact	g__Lactobacill	0.41679264	0.17769901	positive
g__Bosea	g__Lactobacill	-0.41616583	0.17841897	negative
g__Roseburia	g__unclassifie	0.4151259	0.17961744	positive
g__Bacteroid	g__Bacteroid	-0.41506282	0.17969029	negative
g__unclassifie	g__Desulfovib	-0.41424752	0.18063363	negative
g__Mucispirill	g__unclassifie	-0.41418317	0.18070822	negative
g__Stenotrop	g__Lactobacill	0.41390686	0.18102871	positive
g__unidentifi	g__unclassifie	0.41344866	0.18156094	positive
g__Bacteroid	g__Oscillospir	-0.41191709	0.18334704	negative
g__Roseburia	g__unidentifi	0.41183784	0.18343975	positive
g__unidentifi	g__unclassifie	0.41112521	0.18427479	positive
g__Elizabethk	g__Subdoligra	-0.41051709	0.18498924	negative
g__Roseburia	g__unclassifie	0.41031804	0.18522346	positive
g__Mucispirill	g__Subdoligra	-0.41001139	0.18558466	negative
g__Mucispirill	g__[Ruminocc	-0.40901438	0.18676205	negative
g__Sediminib	g__unidentifi	0.40855145	0.1873103	positive
g__Bryobacte	g__unidentifi	0.40805003	0.18790526	positive
g__unclassifie	g__Lactobacill	-0.40702087	0.18913007	negative
g__Novosphir	g__Subdoligra	0.4067457	0.18945839	positive
g__unclassifie	g__unidentifi	0.40665999	0.18956073	positive
g__Acinetoba	g__[Ruminocc	-0.40532454	0.19115966	negative
g__Mucispirill	g__unclassifie	-0.40528955	0.19120165	negative
g__Pseudomc	g__unidentifi	-0.40497071	0.19158468	negative
g__Lactobacill	g__Coprococc	-0.40486788	0.19170831	negative
g__Candidatu	g__Lactobacill	-0.40482937	0.19175463	negative
g__unidentifi	g__rc4-4	-0.40456602	0.19207153	negative
g__Helicobact	g__Coprococc	-0.40413804	0.19258721	negative
g__Butyricico	g__Desulfovib	-0.40412788	0.19259946	negative
g__unclassifie	g__Coprococc	-0.40407656	0.19266136	negative
g__Helicobact	g__Subdoligra	-0.40167714	0.195569	negative
g__unclassifie	g__Oscillospir	0.40150099	0.19578352	positive
g__Pseudomc	g__[Ruminocc	-0.40132771	0.19599469	negative
g__unidentifi	g__unclassifie	0.40092125	0.19649056	positive
g__Pseudomc	g__unidentifi	-0.40018064	0.19739608	negative
g__Helicobact	g__[Ruminocc	-0.39927603	0.19850557	negative
g__Candidatu	g__unclassifie	0.39919857	0.19860075	positive
g__Butyricico	g__Subdoligra	0.3987921	0.19910068	positive
g__Bryobacte	g__[Ruminocc	0.39844205	0.19953184	positive

g__Bryobacte	g__unclassifie	0.39826294	0.19975266	positive
g__Ralstonia	g__unidentifie	0.39512232	0.20364916	positive
g__Comamon	g__unclassifie	-0.39445369	0.20448466	negtive
g__Elizabethk	g__unclassifie	-0.39397863	0.20507956	negtive
g__Stenotrop	g__unclassifie	-0.39200835	0.20755811	negtive
g__Comamon	g__Coprococc	-0.39066519	0.20925818	negtive
g__Helicobact	g__unclassifie	-0.39014984	0.2099127	negtive
g__Acinetoba	g__unclassifie	-0.39010329	0.20997189	negtive
g__unidentifie	g__unidentifie	0.38796809	0.21269745	positive
g__unidentifie	g__Desulfovib	-0.38483333	0.21673762	negtive
g__Helicobact	g__unidentifie	-0.3840394	0.21776817	negtive
g__unidentifie	g__unidentifie	-0.38315342	0.21892168	negtive
g__Stenotrop	g__Bacteroid	-0.38286372	0.21929966	negtive
g__unidentifie	g__Coprococc	0.38204195	0.22037398	positive
g__Roseburia	g__unidentifie	0.38133634	0.22129896	positive
g__Ralstonia	g__unidentifie	0.37923334	0.22406961	positive
g__unclassifie	g__unidentifie	0.37921587	0.22409272	positive
g__Elizabethk	g__unclassifie	-0.37895999	0.22443127	negtive
g__unidentifie	g__Desulfovib	-0.37687557	0.22720057	negtive
g__unclassifie	g__unclassifie	-0.37617247	0.22813928	negtive
g__Candidatu	g__unidentifie	0.37525595	0.22936641	positive
g__Helicobact	g__unclassifie	-0.37315219	0.23219801	negtive
g__Acinetoba	g__unclassifie	-0.37299737	0.23240722	negtive
g__unclassifie	g__unclassifie	-0.37284546	0.2326126	negtive
g__Butyricico	g__unidentifie	-0.37246908	0.23312193	negtive
g__Sediminib	g__[Ruminocc	0.37143032	0.23453104	positive
g__Comamon	g__unclassifie	-0.37116202	0.23489582	negtive
g__unidentifie	g__Oscillospir	0.36893989	0.23792997	positive
g__Roseburia	g__Desulfovib	-0.36884773	0.23805632	negtive
g__Novosphir	g__unidentifie	0.36753648	0.23985815	positive
g__unclassifie	g__unclassifie	-0.36595839	0.24203732	negtive
g__Acinetoba	g__Coprococc	-0.36587663	0.24215054	negtive
g__Bosea	g__unidentifie	0.36574387	0.24233446	positive
g__unclassifie	g__unidentifie	-0.36520072	0.24308774	negtive
g__Sediminib	g__unidentifie	0.36395968	0.24481407	positive
g__unclassifie	g__unidentifie	-0.36325084	0.24580334	negtive
g__unidentifie	g__unclassifie	0.36196965	0.24759733	positive
g__Helicobact	g__unclassifie	-0.35750426	0.25391	negtive
g__Stenotrop	g__unclassifie	-0.35624373	0.25570885	negtive
g__Sediminib	g__Oscillospir	0.35622429	0.25573664	positive
g__unclassifie	g__Coprococc	0.35405832	0.25884513	positive
g__Pseudomc	g__Lactobacill	0.35374179	0.25930124	positive
g__Bosea	g__unidentifie	0.35264063	0.26089158	positive
g__Bacteroid	g__Subdoligra	-0.35233065	0.26134029	negtive
g__Comamon	g__unidentifie	-0.35149926	0.26254597	negtive
g__Comamon	g__rc4-4	-0.35137074	0.26273263	negtive
g__Pseudomc	g__unclassifie	-0.35017255	0.26447663	negtive
g__Stenotrop	g__unclassifie	-0.34996862	0.26477411	negtive
g__Novosphir	g__unidentifie	0.34918535	0.26591853	positive
g__unidentifie	g__Lactobacill	-0.34871668	0.26660467	negtive

g__Lactobacill	g__unclassified	-0.34865917	0.26668893	negative
g__Mucispirill	g__unclassified	-0.348586	0.26679617	negative
g__Candidatu	g__unidentified	0.34835452	0.26713557	positive
g__Novosphir	g__unidentified	0.34644977	0.26993783	positive
g__unclassified	g__rc4-4	-0.34566691	0.27109447	negative
g__Pseudomc	g__unclassified	-0.34495891	0.27214296	negative
g__unclassified	g__[Ruminocc	0.34461614	0.2726514	positive
g__Brevundir	g__unidentified	-0.3431106	0.2748911	negative
g__unidentified	g__unclassified	0.34167367	0.27703854	positive
g__unclassified	g__[Ruminocc	0.34143298	0.27739919	positive
g__unidentified	g__Atopobiun	0.34086798	0.27824682	positive
g__Ralstonia	g__unclassified	0.34080797	0.27833692	positive
g__unclassified	g__unclassified	0.33949079	0.28031911	positive
g__Ralstonia	g__Bacteroid	0.33945816	0.2803683	positive
g__Pseudomc	g__Bacteroid	-0.33881179	0.28134404	negative
g__unclassified	g__unclassified	0.3376316	0.28313059	positive
g__unidentified	g__[Ruminocc	0.33737389	0.28352156	positive
g__Caulobact	g__unidentified	0.33675086	0.28446804	positive
g__unclassified	g__unidentified	0.33629666	0.28515915	positive
g__Comamon	g__unidentified	-0.3361833	0.2853318	negative
g__Brevundir	g__Bacteroid	0.33541041	0.28651043	positive
g__unidentified	g__unidentified	0.33464003	0.287688	positive
g__Sediminib	g__unclassified	0.3344639	0.28795762	positive
g__unidentified	g__unidentified	0.33423761	0.28830422	positive
g__Bacteroid	g__unclassified	-0.3331488	0.28997519	negative
g__Acinetoba	g__unclassified	-0.33222496	0.29139729	negative
g__unidentified	g__[Ruminocc	0.33180135	0.29205069	positive
g__Acinetoba	g__unidentified	-0.33167779	0.29224143	negative
g__unclassified	g__unidentified	-0.33063579	0.29385275	negative
g__Helicobact	g__Oscillospir	-0.33038995	0.29423363	negative
g__Caulobact	g__[Ruminocc	0.32963112	0.29541107	positive
g__Elizabethk	g__[Ruminocc	-0.327924	0.29806959	negative
g__Bosea	g__unidentified	0.32786903	0.29815542	positive
g__Elizabethk	g__unclassified	-0.32676187	0.29988704	negative
g__Brevundir	g__unidentified	0.32662444	0.30010238	positive
g__Candidatu	g__Bacteroid	0.32636913	0.30050264	positive
g__unidentified	g__Bacteroid	0.32445788	0.30350853	positive
g__Novosphir	g__Oscillospir	0.32434653	0.30368417	positive
g__Mucispirill	g__unidentified	-0.32307291	0.30569718	negative
g__unidentified	g__Lactobacill	-0.32258346	0.30647275	negative
g__Butyricico	g__Coprococc	0.32075789	0.30937513	positive
g__Geobacillu	g__unidentified	0.32074729	0.30939202	positive
g__Roseburia	g__Atopobiun	0.32052325	0.30974927	positive
g__Stenotrop	g__rc4-4	-0.3204588	0.30985209	negative
g__Lactobacill	g__unidentified	-0.31877599	0.31254324	negative
g__unidentified	g__Coprococc	0.3174755	0.31463183	positive
g__Brevundir	g__Oscillospir	0.31610074	0.31684806	positive
g__Elizabethk	g__unclassified	-0.31582385	0.31729545	negative
g__Novosphir	g__[Ruminocc	0.31141418	0.32446752	positive
g__Elizabethk	g__unidentified	-0.31086222	0.32537144	negative

g__Ralstonia	g__[Ruminococcus]	0.31073133	0.325586	positive
g__Pseudomonas	g__unclassified	-0.30972676	0.32723525	negative
g__Bosea	g__unidentified	-0.30824424	0.3296775	negative
g__Acinetobacter	g__rc4-4	-0.30786729	0.33030004	negative
g__Acinetobacter	g__unclassified	-0.30687074	0.33194897	negative
g__unclassified	g__[Ruminococcus]	0.30676695	0.33212096	positive
g__Lactobacillus	g__[Ruminococcus]	-0.30553211	0.33417093	negative
g__Caulobacter	g__unclassified	0.30540557	0.33438139	positive
g__unclassified	g__unidentified	0.3048924	0.3352356	positive
g__Comamonas	g__unclassified	-0.30423964	0.33632388	negative
g__Candidatus	g__[Ruminococcus]	0.30416868	0.33644231	positive
g__Bryobacter	g__Coproccoccus	0.30284208	0.33866032	positive
g__unclassified	g__unidentified	-0.30228039	0.3396018	negative
g__unidentified	g__unidentified	0.30110874	0.34157022	positive
g__Novosphingobium	g__unidentified	-0.30074008	0.34219083	negative
g__Brevundinella	g__unidentified	0.30067055	0.34230796	positive
g__Sedimentibacter	g__unidentified	-0.30056431	0.34248696	negative
g__Elizabethkingia	g__Oscillospira	-0.29981939	0.34374344	negative
g__Caulobacter	g__Oscillospira	0.29946939	0.34433465	positive
g__Acinetobacter	g__unidentified	-0.299177	0.34482896	negative
g__Lactobacillus	g__Desulfovibrio	0.29895734	0.34520057	positive
g__unclassified	g__Lactobacillus	-0.29854288	0.34590232	negative
g__unclassified	g__Subdoligranella	-0.29761937	0.34746869	negative
g__Roseburia	g__unidentified	0.29687805	0.34872879	positive
g__Bosea	g__Oscillospira	0.2950676	0.35181645	positive
g__unidentified	g__Oscillospira	0.29497517	0.35197447	positive
g__Brevundinella	g__[Ruminococcus]	0.29379911	0.35398844	positive
g__unclassified	g__unidentified	-0.29374163	0.35408703	negative
g__Bacteroides	g__Desulfovibrio	0.29335346	0.3547532	positive
g__Bosea	g__Subdoligranella	0.293258	0.35491713	positive
g__Mucispirillum	g__rc4-4	-0.29172843	0.35754924	negative
g__Stenotrophomonas	g__unidentified	-0.29172273	0.35755907	negative
g__Bacteroides	g__rc4-4	-0.28915837	0.36199501	negative
g__Pseudomonas	g__Coproccoccus	-0.2888636	0.36250677	negative
g__Pseudomonas	g__unidentified	0.28884182	0.3625446	positive
g__unidentified	g__unclassified	0.28871617	0.36276287	positive
g__Geobacillus	g__[Ruminococcus]	0.28819738	0.36366481	positive
g__unidentified	g__unidentified	-0.28812548	0.36378991	negative
g__Caulobacter	g__unidentified	-0.28693143	0.36587065	negative
g__Lactobacillus	g__Oscillospira	-0.2855534	0.36827974	negative
g__Bosea	g__[Ruminococcus]	0.28505918	0.36914577	positive
g__Mucispirillum	g__unclassified	-0.28462622	0.3699053	negative
g__Helicobacter	g__unclassified	-0.28212838	0.3743032	negative
g__Bacteroides	g__[Ruminococcus]	-0.28199452	0.37453964	negative
g__unidentified	g__[Ruminococcus]	0.28173044	0.37500634	positive
g__Butyrivibrio	g__unidentified	0.28027532	0.37758331	positive
g__unclassified	g__unidentified	-0.27788125	0.38184299	negative
g__unclassified	g__rc4-4	-0.27683733	0.38370813	negative
g__Geobacillus	g__unclassified	0.27447537	0.3879454	positive
g__Bacteroides	g__unclassified	-0.2740848	0.38864837	negative

g__Candidatu g__unidentifi	-0.27402975	0.3887475	negative
g__Ralstonia g__unidentifi	-0.27366469	0.38940522	negative
g__Pseudomc g__unclassifi	-0.27191447	0.39256649	negative
g__unclassifi g__unidentifi	-0.27184384	0.39269432	negative
g__Bryobacte g__unclassifi	0.27179064	0.39279064	positive
g__unclassifi g__Atopobiun	-0.26929015	0.39733094	negative
g__unclassifi g__[Ruminocc	0.2684873	0.39879433	positive
g__Elizabethk g__unclassifi	-0.26818418	0.39934755	negative
g__unclassifi g__Bacteroid	0.26802989	0.39962931	positive
g__unidentifi g__unidentifi	-0.26787313	0.39991564	negative
g__unclassifi g__unclassifi	0.26589584	0.40353649	positive
g__Bacteroid g__unidentifi	-0.26535134	0.40453647	negative
g__unidentifi g__unidentifi	-0.26535088	0.40453731	negative
g__Ralstonia g__unidentifi	0.26525074	0.40472136	positive
g__Bryobacte g__unidentifi	-0.26466591	0.40579703	negative
g__unclassifi g__unclassifi	-0.26453021	0.40604683	negative
g__Lactobacill g__unidentifi	-0.2640246	0.40697824	negative
g__Pseudomc g__unidentifi	-0.26249168	0.40980866	negative
g__unclassifi g__unidentifi	0.26133494	0.41195098	positive
g__Brevundin g__unclassifi	0.26009463	0.41425425	positive
g__Ralstonia g__Oscillospir	0.25921034	0.41590029	positive
g__Sediminib g__unclassifi	0.25829476	0.41760799	positive
g__unidentifi g__unclassifi	0.2576142	0.41887958	positive
g__unidentifi g__Bacteroid	0.2562885	0.42136209	positive
g__Mucispirill g__unclassifi	-0.25314604	0.42727547	negative
g__Pseudomc g__unidentifi	-0.25284291	0.42784804	negative
g__unclassifi g__unidentifi	-0.25146051	0.4304639	negative
g__unidentifi g__unclassifi	0.24725488	0.43846979	positive
g__unclassifi g__Lactobacill	0.24463751	0.44348826	positive
g__Bosea g__unidentifi	0.24458853	0.44358244	positive
g__Roseburia g__rc4-4	0.24420459	0.44432098	positive
g__Candidatu g__unidentifi	0.24281941	0.44699039	positive
g__Elizabethk g__rc4-4	-0.24268373	0.44725228	negative
g__Stenotrop g__unidentifi	0.24169494	0.44916299	positive
g__unclassifi g__Bacteroid	-0.24069065	0.45110766	negative
g__Acinetoba g__Oscillospir	-0.23981347	0.45280945	negative
g__unclassifi g__Oscillospir	0.23908857	0.4542181	positive
g__unclassifi g__unidentifi	-0.23788253	0.45656633	negative
g__Geobacillu g__unidentifi	-0.23758675	0.45714309	negative
g__unidentifi g__unclassifi	0.23663953	0.45899249	positive
g__Candidatu g__Oscillospir	0.2349434	0.46231288	positive
g__unidentifi g__unclassifi	0.23414125	0.46388709	positive
g__Geobacillu g__unclassifi	0.2335887	0.46497293	positive
g__unidentifi g__unidentifi	0.23099871	0.4700784	positive
g__Mucispirill g__unidentifi	0.22981477	0.47242083	positive
g__Pseudomc g__rc4-4	-0.22809059	0.4758418	negative
g__unclassifi g__unclassifi	0.22747939	0.47705722	positive
g__Acinetoba g__unclassifi	-0.2246999	0.48260241	negative
g__Comamon g__unidentifi	0.22457613	0.48285001	positive
g__unclassifi g__unidentifi	-0.22312956	0.48574824	negative

g__unidentifi	g__unidentifi	-0.22301513	0.48597784	negative
g__unclassifi	g__unidentifi	0.21689091	0.49833741	positive
g__unclassifi	g__unclassifi	-0.21672008	0.49868416	negative
g__Bryobacte	g__rc4-4	0.21607038	0.50000394	positive
g__Mucispirill	g__Oscillospir	-0.21566479	0.50082862	negative
g__Bacteroid	g__unclassifi	-0.21221308	0.50787144	negative
g__unclassifi	g__unclassifi	0.21184273	0.50862968	positive
g__Roseburia	g__unidentifi	-0.20967817	0.51307126	negative
g__unclassifi	g__unidentifi	0.20793886	0.51665249	positive
g__Caulobact	g__unclassifi	0.20567964	0.52132042	positive
g__unclassifi	g__[Ruminocc	0.20174705	0.52948902	positive
g__Pseudomc	g__unclassifi	-0.20162243	0.52974877	negative
g__Roseburia	g__Coprococc	0.20081158	0.53144015	positive
g__Elizabethk	g__unidentifi	0.19934355	0.53450822	positive
g__unclassifi	g__Atopobiun	0.19878723	0.53567283	positive
g__unidentifi	g__unidentifi	0.19722934	0.53893989	positive
g__Ralstonia	g__unclassifi	0.19570921	0.54213583	positive
g__Bacteroid	g__unclassifi	-0.19390105	0.54594762	negative
g__Bryobacte	g__unclassifi	0.19370838	0.54635443	positive
g__Stenotrop	g__Oscillospir	-0.19346641	0.54686554	negative
g__unclassifi	g__unclassifi	0.19293958	0.54797903	positive
g__Elizabethk	g__unidentifi	-0.18677833	0.56107053	negative
g__unidentifi	g__Coprococc	0.18512038	0.56461493	positive
g__Elizabethk	g__Coprococc	-0.18431342	0.56634332	negative
g__Elizabethk	g__Desulfovib	0.18225134	0.57076968	positive
g__Pseudomc	g__Oscillospir	-0.18009568	0.57541165	negative
g__Stenotrop	g__unclassifi	-0.17963727	0.57640072	negative
g__Brevundin	g__unclassifi	0.17963137	0.57641347	positive
g__unclassifi	g__unclassifi	-0.17691148	0.58229574	negative
g__Comamon	g__Oscillospir	-0.17593859	0.5844055	negative
g__Helicobact	g__rc4-4	-0.17591325	0.5844605	negative
g__unclassifi	g__Bacteroid	0.17545773	0.58544937	positive
g__Roseburia	g__Bacteroid	0.17308918	0.59060172	positive
g__unidentifi	g__Oscillospir	0.17208212	0.59279769	positive
g__unclassifi	g__unclassifi	-0.17003807	0.59726453	negative
g__Helicobact	g__unidentifi	-0.16798591	0.60176199	negative
g__Lactobacill	g__unidentifi	0.16784541	0.60207036	positive
g__Candidatu	g__unclassifi	0.16712726	0.60364756	positive
g__Geobacillu	g__rc4-4	0.16549811	0.60723128	positive
g__Roseburia	g__Oscillospir	0.16433856	0.60978685	positive
g__Lactobacill	g__unclassifi	-0.15319844	0.63453962	negative
g__unclassifi	g__rc4-4	0.15290297	0.63520097	positive
g__Bacteroid	g__unidentifi	0.15043096	0.64074369	positive
g__Acinetoba	g__unidentifi	0.14764896	0.64700168	positive
g__Lactobacill	g__unclassifi	-0.145088	0.65278105	negative
g__unclassifi	g__unidentifi	0.14071505	0.66269007	positive
g__unclassifi	g__rc4-4	-0.13992099	0.6644948	negative
g__Roseburia	g__Lactobacill	-0.13746777	0.6700807	negative
g__unidentifi	g__unclassifi	0.13422041	0.67749847	positive
g__Novosphir	g__unclassifi	0.13326821	0.67967857	positive

g__unclassified	g__unclassified	0.12683185	0.69447315	positive
g__unclassified	g__Oscillospir	0.12552912	0.69747975	positive
g__unidentified	g__unclassified	0.12237903	0.70476634	positive
g__Geobacillus	g__Coprococc	0.12224822	0.7050694	positive
g__unclassified	g__Oscillospir	-0.11745917	0.71619214	negative
g__unclassified	g__Bacteroides	0.11687908	0.7175429	positive
g__Sediminibacillus	g__unclassified	0.11679542	0.71773779	positive
g__unclassified	g__unidentified	0.11590734	0.71980732	positive
g__unclassified	g__unclassified	0.11194878	0.72905302	positive
g__unidentified	g__unclassified	0.11157395	0.72993024	positive
g__Geobacillus	g__unclassified	0.10281581	0.75050926	positive
g__unclassified	g__Subdoligr	0.1008934	0.75504691	positive
g__unclassified	g__unclassified	-0.09287599	0.77404641	negative
g__unidentified	g__Subdoligr	0.08733562	0.78724337	positive
g__unclassified	g__unclassified	-0.08191274	0.80021041	negative
g__unidentified	g__rc4-4	0.07943347	0.80615443	positive
g__unidentified	g__unidentified	0.0760955	0.81417204	positive
g__Bosea	g__unclassified	0.07534593	0.81597473	positive
g__unclassified	g__unclassified	-0.07477288	0.81735347	negative
g__unclassified	g__unidentified	0.07347125	0.82048688	positive
g__Ralstonia	g__unclassified	-0.07264268	0.82248276	negative
g__unclassified	g__Oscillospir	-0.07149901	0.82523923	negative
g__unidentified	g__unclassified	-0.07140309	0.82547051	negative
g__Bosea	g__unclassified	-0.07071797	0.82712274	negative
g__unclassified	g__rc4-4	0.07043696	0.82780061	positive
g__Candidatus	g__unclassified	-0.06892812	0.83144216	negative
g__Sediminibacillus	g__rc4-4	0.06457613	0.84196246	positive
g__unclassified	g__unidentified	0.0629958	0.84578866	positive
g__Caulobacter	g__unclassified	0.06247556	0.8470489	positive
g__Caulobacter	g__unclassified	-0.06245736	0.847093	negative
g__Lactobacillus	g__unclassified	0.06032669	0.85225783	positive
g__unclassified	g__unclassified	0.05879338	0.85597795	positive
g__Brevundin	g__rc4-4	0.05796916	0.85797878	positive
g__Novosphir	g__unclassified	-0.05560287	0.86372731	negative
g__unclassified	g__unclassified	-0.05495651	0.86529861	negative
g__unidentified	g__unclassified	-0.05017572	0.87693425	negative
g__Bryobacter	g__unclassified	0.04848082	0.88106484	positive
g__Novosphir	g__unclassified	0.04687172	0.88498885	positive
g__Geobacillus	g__unclassified	-0.04685865	0.88502073	negative
g__Brevundin	g__unclassified	0.04571195	0.88781859	positive
g__unclassified	g__rc4-4	-0.04546661	0.88841734	negative
g__Caulobacter	g__rc4-4	0.04395495	0.89210778	positive
g__Helicobacter	g__Desulfovib	0.04306436	0.89428293	positive
g__Ralstonia	g__unclassified	0.04169062	0.89763939	positive
g__unclassified	g__Lactobacill	-0.03475857	0.91459898	negative
g__unclassified	g__unclassified	-0.0334182	0.91788223	negative
g__Roseburia	g__unidentified	-0.03251949	0.9200843	negative
g__Brevundin	g__unclassified	0.02841187	0.93015538	positive
g__unclassified	g__unidentified	0.02829426	0.93044386	positive
g__unclassified	g__unclassified	0.02823028	0.93060082	positive

g__unclassified	g__rc4-4	0.02689557	0.93387549	positive
g__Sediminibacillus	g__unclassified	-0.02642532	0.93502944	negative
g__unidentified	g__rc4-4	-0.02605685	0.93593373	negative
g__Novosphingobium	g__rc4-4	0.02322873	0.94287666	positive
g__unclassified	g__unclassified	-0.02049053	0.94960231	negative
g__Candidatus	g__unclassified	0.02000736	0.9507894	positive
g__Ralstonia	g__rc4-4	0.01840731	0.95472121	positive
g__unidentified	g__unclassified	-0.01260193	0.96899401	negative
g__unclassified	g__unclassified	-0.0104854	0.97419986	negative
g__Lactobacillus	g__rc4-4	-0.00590404	0.98547119	negative
g__Candidatus	g__rc4-4	0.0038676	0.99048227	positive
g__Bosea	g__unclassified	0.00267935	0.99340634	positive
g__Bosea	g__rc4-4	-0.00200859	0.99505701	negative

oflora and lung metabolites.