



Supplement Figure S1. Rotary drum composters used for chicken manure composting

Supplement Table S1. Correlation between *tet(A)* and *tet(X)* gene copy numbers and OTU abundance and the significance of biochar addition to the composting mixtures

OTU	Correlation between <i>tet(A)</i> gene copy number and OTU abundance, % from maximum	Correlation between <i>tet(X)</i> gene copy number and OTU abundance, % from maximum	Significance of biochar addition to the composting mixtures			Average abundance, %
			p-value	Mean changes as compared with control (V)	Changes in % as compared with control $y=100*(\exp(-V)-1)$	
Unassigned;Other;Other;Other;Other;Other;Other	48	62	0,3135	0,0762	7,9143	22
k__Bacteria;Other;Other;Other;Other;Other;Other	4	6	NA*	NA	NA	0
k__Bacteria;p__c__o__f__g__s__	6	-4	NA	NA	NA	0
k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15;f__g__s__	6	-5	NA	NA	NA	0

k__Bacteria;p__Acidobacteria;c__Acidobacteriia;o__Acidobacteriales;f__Acidobacteriaceae;g__Terriglobus;s__	0	10	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__g__s__	28	49	0,7067	0,2293	25,7747	1
k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__AKIW874;g__s__	-5	1	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__C111;g__s__	0	6	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__Iamiaceae;g__Iamia;s__	8	0	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__JdFBGBact;g__s__	26	2	0,128	0,0000	-0,0020	0
k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__Microthrixaceae;g__s__	52	36	0,4701	0,4037	49,7319	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;Other;Other;Other	72	85	0,8888	-0,0272	-2,6859	10
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__g__s__	56	63	0,5361	-0,1495	-13,8822	1
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__ACK-M1;g__s__	6	6	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;Other;Other	-5	6	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;g__s__	38	63	0,1541	0,2815	32,5158	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;g__Actinomyces;s__	-6	12	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Actinomycetaceae;g__Arcanobacterium;s__	-1	2	NA	NA	NA	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Actinosynnemataceae;Other;Other	3	0	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Beutenbergiaceae;Other;Other	65	67	0,5099	-0,2863	-24,8953	2
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Beutenbergiaceae;g__Salana;s__multivorans	29	-9	0,9994	0,0000	0,0000	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Bogoriellaceae;g__Georgenia;s__	83	79	0,6304	0,1157	12,2711	2
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Brevibacteriaceae;Other;Other	29	39	0,701	0,0000	0,0021	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Brevibacteriaceae;g__Brevibacterium;Other	14	23	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Brevibacteriaceae;g__Brevibacterium;s__	73	79	0,5954	-0,0646	-6,2532	14
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Brevibacteriaceae;g__Brevibacterium;s__aureum	66	76	0,5783	-0,1061	-10,0694	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae;Other;Other	74	86	0,3158	-0,2342	-20,8786	1
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae;g__s__	8	27	0,1884	0,0000	0,0006	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae;g__Actinotalea;s__	38	57	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae;g__Cellulomonas;Other	5	26	NA	NA	NA	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae;g__Cellulomonas;s__	62	46	0,4096	-0,3461	-29,2543	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae;g__Cellulomonas;s__xylanilytica	6	0	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae;g__Demequina;s__	66	69	0,6295	0,1596	17,3088	1
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Corynebacteriaceae;g__Corynebacterium;Other	38	60	0,9026	0,0685	7,0851	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Corynebacteriaceae;g__Corynebacterium;s__	84	89	0,3611	-0,2173	-19,5274	59
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Corynebacteriaceae;g__Corynebacterium;s__pilosum	50	52	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Corynebacteriaceae;g__Corynebacterium;s__stationis	36	42	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Corynebacteriaceae;g__Corynebacterium;s__variabile	9	34	0,0003	1,4688	334,3823	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cryptosporangiaceae;Other;Other	-5	11	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermabacteraceae;Other;Other	46	33	0,2841	-0,4150	-33,9645	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermabacteraceae;g__s__	0	31	NA	NA	NA	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermabacteraceae;g__Brachybacterium;Other	59	67	0,9984	-0,0005	-0,0501	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermabacteraceae;g__Brachybacterium;s	44	48	0,8552	0,0257	2,6078	7
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermabacteraceae;g__Brachybacterium;s conglomeratum	78	73	0,8136	0,0446	4,5657	14
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermacoccaceae;g__Dermacoccus;s	30	33	0,8621	-0,0718	-6,9289	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermatophilaceae;Other;Other	9	11	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dermatophilaceae;g__Dermatophilus;s	2	19	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dietziaceae;Other;Other	40	24	0,0726	-0,6913	-49,9052	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dietziaceae;g__s	11	35	0,4527	0,0000	0,0007	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dietziaceae;g__Dietzia;Other	37	43	0,1072	-0,2534	-22,3804	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Dietziaceae;g__Dietzia;s	49	46	0,0169	-0,3086	-26,5501	6
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Frankiaceae;Other;Other	18	26	0,4284	-0,0001	-0,0064	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Frankiaceae;g__s	32	9	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Glycomycetaceae;g__Glycomyces;s	6	19	0,3059	0,0001	0,0084	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Gordoniaceae;g__Gordonia;s__	34	47	0,0041	-0,6906	-49,8744	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Intrasporangiaceae;Other;Other	14	26	0,1528	-0,5791	-43,9597	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Intrasporangiaceae;g__ ;s__	39	43	0,6251	-0,2052	-18,5540	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Intrasporangiaceae;g__Serinicoccus;s__	-7	2	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Jonesiaceae;g__ ;s__	33	35	0,0826	-0,0001	-0,0073	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;Other;Other	75	100	0,4592	-0,2069	-18,6903	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__ ;s__	55	74	0,5404	0,1475	15,8981	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Agrococcus;s__jenensis	21	18	0,8429	0,0000	0,0011	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Candidatus Rhodoluna;s__	24	1	0,549	0,0000	-0,0006	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Cryobacterium;s__psychrophilum	5	3	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Cryocola;s__	50	38	0,6121	0,2868	33,2200	1
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Curtobacterium;s__	-1	14	0,8433	0,0000	-0,0009	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Leucobacter;s	68	76	0,7775	-0,0915	-8,7449	1
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Microbacterium;Other	32	24	0,6975	0,2099	23,3540	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Microbacterium;s	32	34	0,9837	0,0133	1,3342	2
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Mycetocola;s	10	9	0,6603	0,0000	-0,0023	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Pseudoclavibacter;Other	31	20	0,8229	0,0000	0,0009	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Pseudoclavibacter;s_bifida	48	57	0,7164	-0,1553	-14,3847	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Rathayibacter;s_caricis	-3	6	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Salinibacterium;Other	16	-5	0,7938	0,0000	0,0004	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__Salinibacterium;s	25	37	0,7015	-0,1665	-15,3366	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;Other;Other	77	78	0,6328	-0,0916	-8,7498	1
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__s	39	37	0,5903	-0,0731	-7,0488	0



k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Arthrobacter;Other	14	24	0,0879	0,0000	0,0048	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Arthrobacter;s__	22	43	0,234	-0,4689	-37,4310	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Arthrobacter;s__psychrolactophilus	13	16	0	0,0003	0,0326	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Kocuria;Other	32	25	0,0134	-0,9677	-62,0038	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Kocuria;s__	32	18	0,4963	0,0000	-0,0040	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Kocuria;s__rhizophila	18	-13	0,0437	0,0000	-0,0040	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Microbispora;s__rosea	45	43	0,7773	-0,0472	-4,6068	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Nesterenkonia;s__	48	41	0,1269	0,7313	107,7850	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Renibacterium;s__	11	5	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Sinomonas;s__	11	13	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;Other;Other	-4	0	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;g__Actinoplanes;s__	0	3	NA	NA	NA	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Mycobacteriaceae;g__Mycobacterium;Other	14	9	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Mycobacteriaceae;g__Mycobacterium;s	19	12	0,1908	-0,5262	-40,9135	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Mycobacteriaceae;g__Mycobacterium;s_arupense	34	34	0,3974	-0,5911	-44,6287	1
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nakamurellaceae;g__s	37	34	0,6438	-0,2517	-22,2520	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiaceae;g__Rhodococcus;Other	-6	8	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiaceae;g__Rhodococcus;s	58	61	0,6309	-0,1007	-9,5790	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiaceae;g__Rhodococcus;s_fascians	-14	6	0,689	0,0000	0,0009	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardioidaceae;Other;Other	-9	-2	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardioidaceae;g__s	39	34	0,0387	0,8473	133,3344	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardioidaceae;g__Aeromicrobium;s	45	39	0,9818	0,0109	1,0923	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardioidaceae;g__Nocardioides;s	-3	7	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardioidaceae;g__Pimelobacter;s	6	0	NA	NA	NA	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiopsaceae;Other;Other	20	42	0,5075	0,0000	0,0014	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiopsaceae;g__s__	53	68	0,6438	0,0986	10,3583	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiopsaceae;g__Nocardiopsis;Other	28	10	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiopsaceae;g__Nocardiopsis;s__exhalans	-8	12	0,4152	0,0000	-0,0004	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Promicromonosporaceae;Other;Other	28	25	0,7176	0,0000	0,0039	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Promicromonosporaceae;g__s__	35	16	0,0302	-0,0001	-0,0105	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Propionibacteriaceae;Other;Other	6	8	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Propionibacteriaceae;g__s__	48	54	0,4289	-0,3883	-32,1767	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Propionibacteriaceae;g__Propionibacterium;s__acnes	10	8	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Propionibacteriaceae;g__Tessaracoccus;s__	16	19	0	0,0004	0,0422	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Pseudonocardiaceae;Other;Other	20	24	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Pseudonocardiaceae;g__Amycolatopsis;s__	-8	14	NA	NA	NA	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Pseudonocardiaceae;g__Amycolatopsis;s__thermoflava	19	18	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Pseudonocardiaceae;g__Saccharomonospora;s	19	14	0,796	0,0000	-0,0005	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Pseudonocardiaceae;g__Saccharopolyspora;s	-2	11	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Ruaniaceae;Other;Other	44	34	0,8317	-0,0879	-8,4140	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Ruaniaceae;g__s__	33	27	0,9959	0,0023	0,2267	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Sanguibacteraceae;g__Sanguibacter;Other	21	35	0,8531	0,0000	-0,0013	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Sanguibacteraceae;g__Sanguibacter;s	51	55	0,8358	-0,0995	-9,4719	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Sporichthyaceae;g__s__	6	6	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptomycetaceae;g__Streptomyces;Other	-10	8	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptomycetaceae;g__Streptomyces;s	3	16	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptomycetaceae;g__Streptomyces;s__radiopugnans	11	7	NA	NA	NA	0

k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Yaniellaceae;Other;Other	23	1	0,1672	0,0000	0,0007	0
k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Yaniellaceae;g__Yaniella;s__	56	50	0,84	0,0143	1,4369	18
k__Bacteria;p__Actinobacteria;c__Coriobacteriia;o__Coriobacteriales;f__Coriobacteriaceae;g__ ;s__	14	13	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Coriobacteriia;o__Coriobacteriales;f__Coriobacteriaceae;g__Eggerthella;s__lenta	20	16	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__MB-A2-108;o__0319-7L14;f__ ;g__ ;s__	14	25	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Nitriliruptoria;o__Nitriliruptorales;f__Nitriliruptoraceae;g__ ;s__	32	18	0,1681	0,5997	82,1584	0
k__Bacteria;p__Actinobacteria;c__Nitriliruptoria;o__Nitriliruptorales;f__Nitriliruptoraceae;g__Nitriliruptor;s__	22	0	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__ ;g__ ;s__	11	16	0,0876	0,0001	0,0066	0
k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__Gaiellaceae;g__ ;s__	0	32	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__ ;g__ ;s__	25	18	0,1228	0,7049	102,3636	0
k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Conexibacteraceae;g__Conexibacter;s__	-6	0	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Patulibacteraceae;g__ ;s__	1	13	NA	NA	NA	0
k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Patulibacteraceae;g__Patulibacter;s__	18	7	0,0066	0,0002	0,0152	0
k__Bacteria;p__BRC1;c__PRR-11;o__ ;f__ ;g__ ;s__	-1	9	NA	NA	NA	0

k__Bacteria;p__Bacteroidetes;Other;Other;Other;Other;Other	3	6	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Bacteroidaceae;g__Bacteroides;s__	15	26	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Bacteroidaceae;g__Bacteroides;s__fragilis	11	15	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Marinilabiaceae;g__ ;s__	23	46	0,5121	-0,4327	-35,1273	7
k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Porphyromonadaceae;g__ ;s__	29	31	0,0718	-0,9163	-60,0004	0
k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Rikenellaceae;g__ ;s__	11	11	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__S24-7;g__ ;s__	6	0	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Cytophagia;o__Cytophagales;f__Cyclobacteriaceae;g__ ;s__	39	38	0,4337	0,4636	58,9854	1
k__Bacteria;p__Bacteroidetes;c__Cytophagia;o__Cytophagales;f__Cytophagaceae;g__ ;s__	26	28	0,173	0,7926	120,9145	1
k__Bacteria;p__Bacteroidetes;c__Cytophagia;o__Cytophagales;f__Flammeovirgaceae;g__ ;s__	39	53	0,4407	0,5690	76,6579	8
k__Bacteria;p__Bacteroidetes;c__Cytophagia;o__Cytophagales;f__[Amoebophilaceae];g__Candidatus Amoebophilus;s__	-1	-6	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;Other;Other;Other	9	6	0,1394	0,0000	0,0040	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__ ;g__ ;s__	47	30	0,042	1,1962	230,7597	1
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Cryomorphaceae;Other;Other	25	23	0,773	0,1392	14,9335	0

k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Cryomorphaceae;g__s__	50	46	0,3869	0,5386	71,3619	4
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Cryomorphaceae;g__Brumimicrobium;s	58	49	0,1183	1,0188	176,9892	2
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Cryomorphaceae;g__Cryomorpha;s__	18	14	0	0,0002	0,0203	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Cryomorphaceae;g__Fluviicola;s__	27	26	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;Other;Other	44	49	0,857	-0,1017	-9,6710	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__s	80	92	0,68	-0,0913	-8,7236	37
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Aequorivita;s__	48	48	0,4859	0,2888	33,4769	19
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Arenibacter;s__	19	18	0,1358	-0,0001	-0,0088	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Flavobacterium;Other	15	7	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Flavobacterium;s	28	30	0,2106	-0,0001	-0,0058	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Flavobacterium;s_gelidilacus	10	9	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Formosa;s_crasostrea	-9	3	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Gelidibacter;s__	38	58	0,6824	-0,2374	-21,1319	14

k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Gillisia;s__	-5	34	0,1131	0,0000	0,0016	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Maribacter;Other	14	0	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Myroides;Other	17	-9	0,7786	0,0000	-0,0002	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Myroides;s__	77	70	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Myroides;s__odoratimimus	50	50	0,8634	-0,1095	-10,3685	2
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Ulvibacter;s__	8	32	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Vitellibacter;s__aestuarii	7	-1	0,3785	0,0000	-0,0015	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Winogradskyella;Other	1	-6	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Winogradskyella;s__	0	0	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Winogradskyella;s__thalassocola	12	-21	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Yeosuana;s__yeosuensis	5	5	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Zhouia;s__	46	45	0,1362	0,9078	147,8768	6



k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__[Weeksellaceae];g__;s__	92	87	0,4682	-0,1486	-13,8108	8
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__;g__;s__	11	23	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;Other;Other	27	26	0,4079	0,3493	41,8020	0
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__;s__	80	94	0,227	-0,2560	-22,5833	29
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Olivibacter;s__	25	36	NA	NA	NA	1
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Parapedobacter;s__	38	16	0,884	0,0000	-0,0011	0
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Pedobacter;Other	21	4	0,1619	0,0000	-0,0032	0
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Pedobacter;s__	41	41	0,5453	0,2672	30,6359	0
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Pedobacter;s__cryoconitis	37	55	0,1283	0,0000	0,0022	0
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Sphingobacterium;Other	24	18	0,087	-0,0001	-0,0118	0
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Sphingobacterium;s__	71	80	0,3977	-0,3281	-27,9701	1
k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Sphingobacterium;s__mizutaii	25	30	0,3382	-0,5161	-40,3179	0

k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__Sphingobacterium;s__multivorum	-7	0	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__VC2_1_Bac22;o__f__g__s__	-10	15	0,6685	0,0000	-0,0009	0
k__Bacteria;p__Bacteroidetes;c__[Rhodothermi];o__[Rhodothermales];f__Rhodothermaceae;g__s__	40	38	0,014	1,3668	292,2626	1
k__Bacteria;p__Bacteroidetes;c__[Rhodothermi];o__[Rhodothermales];f__[Balneolaceae];g__Balneola;s__	32	44	0,6072	0,3326	39,4570	3
k__Bacteria;p__Bacteroidetes;c__[Rhodothermi];o__[Rhodothermales];f__[Balneolaceae];g__KSA1;s__	61	65	0,4274	0,4047	49,8868	2
k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__g__s__	26	40	0,6446	-0,2739	-23,9610	1
k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__s__	64	74	0,3007	0,4384	55,0295	7
k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Chitinophaga;s__	0	13	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Flavisolibacter;s__	-6	0	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Niabella;s__	25	-6	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Sediminibacterium;s__	3	11	NA	NA	NA	0
k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Saprospiraceae;g__s__	45	40	0,2214	0,6113	84,2915	7
k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Criblamydiaceae;g__s__	0	0	NA	NA	NA	0

k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;Other;Other	8	0	NA	NA	NA	0
k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__Parachlamydia;Other	9	15	0,3419	0,0000	-0,0017	0
k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__Parachlamydia;s__	8	6	NA	NA	NA	0
k__Bacteria;p__Chloroflexi;c__Ellin6529;o__f__g__s	1	7	NA	NA	NA	0
k__Bacteria;p__Chloroflexi;c__Gitt-GS-136;o__f__g__s	-6	5	NA	NA	NA	0
k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__f__g__s	2	16	0,3106	0,0000	0,0025	0
k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__JG30-KF-CM45;f__g__s	35	55	0,6965	0,2411	27,2588	1
k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__MLE1-12;f__g__s	12	18	0,6115	0,0000	0,0009	0
k__Bacteria;p__Cyanobacteria;c__Chloroplast;o__Streptophyta;f__g__s	25	40	0,0893	0,0000	0,0011	0
k__Bacteria;p__FBP;c__o__f__g__s	29	31	0,6918	0,2247	25,1912	1
k__Bacteria;p__Fibrobacteres;c__Fibrobacteria;o__258ds10;f__g__s	5	10	NA	NA	NA	0
k__Bacteria;p__Firmicutes;Other;Other;Other;Other;Other	8	6	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;Other;Other;Other;Other	64	65	0,6495	0,2076	23,0688	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;Other;Other;Other	52	63	0,7022	0,0877	9,1712	3
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__g__s	47	50	0,6931	-0,1108	-10,4851	0

k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;Other;Other	71	73	0,1869	0,1803	19,7582	8
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__ ;s	39	43	0,8877	-0,0122	-1,2114	57
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Anaerobacillus;s__	19	22	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Anoxybacillus;Other	18	12	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Anoxybacillus;s__kestanbolensis	23	24	0,3112	0,0000	0,0014	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;Other	42	71	0,1761	0,1677	18,2593	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__	42	66	0,4081	0,0810	8,4417	5
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__cellulosilyticus	5	0	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__cereus	34	20	0,3571	0,0000	-0,0047	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__clausii	-7	0	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__coagulans	11	23	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__firmus	13	12	0,6678	0,0000	-0,0011	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__flexus	23	19	0,0627	-0,0001	-0,0087	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__ginsengihumi	34	31	0,5756	-0,0001	-0,0079	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus;s__thermoamylovorans	7	12	NA	NA	NA	0

k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Geobacillus;s__	6	5	0,7962	0,0000	0,0005	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Gracilibacillus;Other	74	92	0,5366	0,1234	13,1377	3
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Gracilibacillus;s__halotolerans	51	49	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Lentibacillus;Other	61	52	0,0551	0,7994	122,4133	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Lentibacillus;s__	24	26	0,9887	0,0000	0,0000	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Lentibacillus;s__juripiscarius	9	-1	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Lentibacillus;s__salis	45	28	0,2945	-0,0001	-0,0052	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Natronobacillus;s__	79	86	0,013	-0,4564	-36,6441	4
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Oceanobacillus;Other	50	55	0,8569	0,0748	7,7638	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Oceanobacillus;s__	44	24	0,7497	0,1323	14,1447	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Oceanobacillus;s__oncorhynchi	46	23	0,6935	0,1552	16,7885	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Pontibacillus;s__	26	37	0,6047	0,0000	0,0012	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Thalassobacillus;s__	6	-6	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Virgibacillus;Other	74	75	0,1955	0,2104	23,4119	2

k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Virgibacillus;s__	47	59	0,0395	0,2068	22,9720	2
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Virgibacillus;s__koreensis	14	4	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Virgibacillus;s__pantothenicus	74	76	0,7788	0,0432	4,4176	1
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;Other;Other	8	19	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__s__	70	74	0,0524	0,8918	143,9526	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Ammoniphilus;Other	8	8	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Ammoniphilus;s__	75	79	0,0173	0,4932	63,7560	1
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Cohnella;s__	28	13	0,676	0,0000	-0,0027	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Paenibacillus;Other	27	30	0,37	0,0000	0,0031	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Paenibacillus;s__	78	91	0,372	0,2210	24,7280	2
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Paenibacillus;s__lentimorbus	19	46	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;Other;Other	46	51	0,62	0,0971	10,1973	1
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__s__	78	86	0,6758	0,0795	8,2714	20
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Lysinibacillus;Other	18	51	0,1627	0,0001	0,0097	0

k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Lysinibacillus;s__boronitolerans	17	19	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Paenisporosarcina;s__	25	39	0,2356	0,0000	0,0025	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Planococcus;Other	15	21	0,6245	0,0000	0,0002	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Planomicrobium;s__	44	52	0,5782	-0,2238	-20,0506	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Rummeliibacillus;s__	20	40	0,5664	0,0000	0,0037	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Sporosarcina;Other	34	51	0,2428	0,0001	0,0082	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Sporosarcina;s__	52	64	0,0007	-0,3199	-27,3770	6
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Staphylococcus;s__saprophyticus	-6	-4	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;Other;Other	44	69	0,5717	-0,1896	-17,2732	1
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__;s__	34	44	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Jeotgalicoccus;Other	45	58	0,8116	-0,0819	-7,8677	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Jeotgalicoccus;s__	66	78	0,1507	-0,2062	-18,6338	21
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Jeotgalicoccus;s__psychrophilus	41	60	0,1758	-0,6542	-48,0136	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Macrococcus;Other	37	54	0,0306	-0,9002	-59,3510	0

k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Macrococcus;s__	34	60	0,9939	0,0037	0,3731	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Macrococcus;s__caseolyticus	37	60	0,6797	-0,2015	-18,2472	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Salinicoccus;s__	78	75	0,8445	-0,0662	-6,4086	3
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus;Other	77	86	0,5368	0,1188	12,6193	23
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus;s__	73	78	0,822	0,0447	4,5676	11
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus;s__aureus	38	50	0,7128	0,1545	16,7124	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus;s__epidermidis	86	84	0,7619	0,0676	6,9955	3
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus;s__equorum	42	65	0,4074	-0,2024	-18,3271	1
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus;s__sciuri	62	84	0,8112	-0,0436	-4,2658	29
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus;s__succinus	26	31	0,256	0,0000	0,0021	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomyetaceae;Other;Other	14	23	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomyetaceae;g__;s__	16	16	0,5423	0,0000	-0,0015	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__[Exiguobacteraceae];g__;s__	14	9	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__[Exiguobacteraceae];g__Exiguobacterium;s__	16	9	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Gemellales;f__g__ ;s	35	-5	0,8096	0,0000	0,0003	0



k__Bacteria;p__Firmicutes;c__Bacilli;o__Haloplasmatales;f__Haloplasmataceae;g__s__	10	45	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;Other;Other;Other	56	64	0,7797	0,0675	6,9837	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__g__s__	17	28	0,3219	-0,0001	-0,0067	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;Other;Other	21	23	0,4031	0,0000	0,0034	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__s__	50	56	0,3055	-0,0991	-9,4325	42
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Aerococcus;s__	68	81	0,9108	0,0319	3,2422	2
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Alkalibacterium;Other	7	19	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Alkalibacterium;s__	8	30	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Alloiococcus;s__	-2	0	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Facklamia;s__	64	65	0,3682	-0,2710	-23,7371	1
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Aerococcaceae;g__Marinilactibacillus;s__psychrotolerans	-2	18	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;Other;Other	49	67	0,002	-0,6440	-47,4815	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__s__	18	31	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Carnobacterium;Other	31	28	0,0515	0,0001	0,0106	0

k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Carnobacterium;s__	24	42	0,5695	0,0000	-0,0040	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Desemzia;s__	34	53	0,1113	0,6831	97,9921	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Granulicatella;s__	71	68	0,8952	0,0693	7,1781	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Carnobacteriaceae;g__Trichococcus;s__	58	74	0,0033	-0,5886	-44,4891	1
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;Other;Other	37	44	0,46	0,3152	37,0491	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__;s__	47	59	0,1053	0,7780	117,7016	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Enterococcus;Other	28	52	0,3305	0,0001	0,0067	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Enterococcus;s__	56	54	0,5143	-0,3039	-26,2055	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Enterococcus;s__cecorum	65	61	0,7667	0,1519	16,4071	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Vagococcus;s__	34	24	0,703	0,0000	-0,0017	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;Other;Other	8	12	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;Other	57	59	0,8398	-0,1003	-9,5449	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;s__	57	67	0,9194	-0,0284	-2,7990	16
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;s__agilis	18	20	0,6073	0,0000	0,0007	0

k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;s__brevis	-4	4	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;s__paralimentarius	58	65	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;s__reuteri	43	46	0,6156	0,2110	23,4868	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus;s__ruminis	23	30	0,3076	0,0000	-0,0038	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Pediococcus;Other	6	16	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Pediococcus;s__acidilactici	17	40	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Leuconostocaceae;Other;Other	25	40	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Leuconostocaceae;g__ ;s	55	59	0,7913	-0,1171	-11,0475	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Leuconostocaceae;g__Weissella;Other	57	65	0,1626	0,3461	41,3574	16
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Leuconostocaceae;g__Weissella;s__beninensis	17	8	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Lactococcus;s__garvieae	27	3	0,5078	0,0000	0,0021	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;Other	11	16	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;s__	57	53	0,4184	-0,3640	-30,5137	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__ ;f__ ;g__ ;s__	44	30	0,0163	1,1688	221,8076	0

k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;Other;Other;Other	9	21	0,2882	-0,4323	-35,0966	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__g__s__	55	49	0,5765	-0,0872	-8,3521	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Caldicoprobacteraceae;g__Caldicoprobacter;s__	13	9	0,0603	-0,0001	-0,0113	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Christensenellaceae;g__s__	16	6	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;Other;Other	48	29	0,2026	-0,1387	-12,9525	1
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__s__	41	50	0,0015	-0,9140	-59,9073	1
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Alkaliphilus;s__	28	31	0,3121	-0,4570	-36,6807	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Candidatus Arthromitus;s__	9	34	0,3832	0,0000	-0,0007	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridiisalibacter;s__	6	6	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium;s__	32	19	0,659	0,0000	-0,0019	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Natronincola_Anaerovirgula;s__	-7	11	0,0962	0,0000	-0,0021	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__SMB53;s__	16	8	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Dehalobacteriaceae;g__s__	16	11	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__EtOH8;g__s__	0	0	NA	NA	NA	0

k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Eubacteriaceae;g__s__	3	9	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Eubacteriaceae;g__Anaerofustis;s__	-4	17	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Eubacteriaceae;g__Garcella;s__	30	48	0,0611	-0,4765	-37,9033	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;Other;Other	52	54	0,0065	-1,0610	-65,3882	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__s__	34	41	0,3413	-0,4047	-33,2807	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Blautia;Other	14	32	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Blautia;s__	74	72	0,9316	-0,0329	-3,2382	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Clostridium;Other	6	8	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Coproccoccus;s__	31	24	0,0266	-0,9599	-61,7068	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Dorea;s__	13	23	0,1365	0,0000	-0,0014	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Roseburia;s__	2	10	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__[Ruminococcus];s__	36	29	0,0529	-0,7699	-53,6951	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae;g__Desulfotomaculum;s__	-2	7	0,043	0,0000	-0,0035	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae;g__Sporotomaculum;s__	10	0	NA	NA	NA	0

k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae;g__s__	14	33	0,3532	-0,3608	-30,2891	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__s__	51	42	0,0032	-0,6147	-45,9213	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Anaerotruncus;s__	0	0	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Faecalibacterium;s__prausnitzii	51	54	0,8855	-0,0614	-5,9563	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Oscillospira;s__	28	31	0,0863	-0,6672	-48,6877	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Ruminococcus;s__	39	26	0,1565	-0,5512	-42,3771	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Symbiobacteriaceae;g__s__	-14	-5	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Syntrophomonadaceae;g__Syntrophomonas;s__	-23	0	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Veillonellaceae;g__s__	-6	7	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Mogibacteriaceae];g__s__	8	8	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Tissierellaceae];Other;Other	15	11	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Tissierellaceae];g__s__	46	53	0,0201	-1,2426	-71,1366	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Tissierellaceae];g__Gallicola;s__	3	25	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Tissierellaceae];g__Parvimonas;s__	6	-6	NA	NA	NA	0

k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Tissierellaceae];g__Sporanaerobacter;s__	12	29	0,0342	-0,8872	-58,8203	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Tissierellaceae];g__Tepidimicrobium;s__	9	15	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Tissierellaceae];g__Tissierella_Soehngenia;s__	39	51	0,026	-0,8854	-58,7448	1
k__Bacteria;p__Firmicutes;c__Clostridia;o__MBA08;f__g__s__	36	41	0,1335	-0,7324	-51,9233	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Natranaerobiales;f__g__s__	0	0	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__SHA-98;f__g__s__	1	10	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Clostridia;o__Thermoanaerobacterales;f__g__s__	5	7	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__s__	21	31	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Coprobacillus;s__	9	26	NA	NA	NA	0
k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Erysipelothrix;s__	71	87	0,4603	-0,2725	-23,8523	1
k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__cc_115;s__	22	21	NA	NA	NA	0
k__Bacteria;p__Gemmatimonadetes;c__Gemm-2;o__f__g__s__	17	19	0,1242	0,6606	93,6027	0
k__Bacteria;p__Gemmatimonadetes;c__Gemm-3;o__f__g__s__	36	36	0,0678	0,9050	147,1832	0
k__Bacteria;p__Gemmatimonadetes;c__Gemm-5;o__f__g__s__	36	51	0,2492	0,6351	88,7123	1

k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes;o__N1423WL;f__g__s__	8	14	0,0253	0,0000	0,0028	0
k__Bacteria;p__OP11;c__o__f__g__s__	12	-6	NA	NA	NA	0
k__Bacteria;p__Planctomycetes;c__Phycisphaerae;o__Phycisphaerales;f__Phycisphaeraceae;g__s__	-4	10	NA	NA	NA	0
k__Bacteria;p__Planctomycetes;c__Phycisphaerae;o__WD2101;f__g__s__	-8	0	NA	NA	NA	0
k__Bacteria;p__Planctomycetes;c__Planctomycetia;o__Gemmatales;f__Isosphaeraceae;g__s__	20	23	NA	NA	NA	0
k__Bacteria;p__Planctomycetes;c__Planctomycetia;o__Pirellulales;f__Pirellulaceae;g__s__	23	33	0,1577	0,7113	103,6555	0
k__Bacteria;p__Planctomycetes;c__Planctomycetia;o__Planctomycetales;f__Planctomycetaceae;g__Planctomycetes;s__	16	7	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__o__f__g__s__	6	-6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;Other;Other;Other;Other	9	11	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__f__g__s__	53	61	0,1258	0,5638	75,7261	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__BD7-3;f__g__s__	23	29	0,6393	0,2631	30,0896	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacterales;f__Caulobacteraceae;Other;Other	23	21	0,5964	-0,0001	-0,0070	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacterales;f__Caulobacteraceae;g__s__	-1	43	0,8683	0,0687	7,1082	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacterales;f__Caulobacteraceae;g__Brevundimonas;s__diminuta	59	72	0,108	0,8558	135,3217	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacterales;f__Caulobacteraceae;g__Mycoplasma;s__	5	14	NA	NA	NA	0



k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Caulobacterales;f__Caulobacteraceae;g__Phenylobacterium;s__	19	7	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Ellin329;f__g__s__	14	16	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Kiloniellales;f__g__s__	12	0	0,4175	0,0000	-0,0006	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;Other;Other;Other	33	32	0,3861	0,3886	47,4881	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__g__s__	51	46	0,4598	0,3416	40,7232	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Aurantimonadaceae;Other;Other	9	33	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Bartonellaceae;g__s__	15	22	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Bartonellaceae;g__Bartonella;s__	4	11	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Beijerinckiaceae;Other;Other	42	21	0,371	-0,0001	-0,0084	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Beijerinckiaceae;g__s__	-4	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Bradyrhizobiaceae;g__s__	43	26	0,6902	-0,1797	-16,4465	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Bradyrhizobiaceae;g__Balneimonas; s	10	7	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Bradyrhizobiaceae;g__Bosea;s__gen osp.	9	19	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Bradyrhizobiaceae;g__Bradyrhizobi um;s__	10	11	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Brucellaceae;Other;Other	79	69	0,2428	-0,4418	-35,7119	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Brucellaceae;g__s__	-18	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Brucellaceae;g__Ochrobactrum;Oth er	9	18	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Brucellaceae;g__Ochrobactrum;s__	10	12	0,1013	0,0000	-0,0015	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Cohaesibacteraceae;Other;Other	5	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;Other;Other	17	20	0,5176	0,0000	-0,0039	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;g__s	20	16	0,0679	0,0001	0,0130	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;g__Devosia;s__	45	62	0,4734	0,3456	41,2895	6
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;g__Hyphomicro bium;s	6	9	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;g__Hyphomicro bium;s__zavarzinii	22	18	0,0709	0,7542	112,5969	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;g__Parvibaculu m;s	37	23	0,7427	-0,1563	-14,4694	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;g__Rhodoplane s;Other	12	10	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Hyphomicrobiaceae;g__Rhodoplane s;s__	35	19	0,7995	0,0000	-0,0022	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Methylobacteriaceae;g__Methylobac terium;s__	12	9	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Methylocystaceae;g__s__	30	21	0,4031	0,0000	-0,0035	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;Other;Other	60	68	0,4827	-0,2654	-23,3081	2
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;g__s__	69	75	0,9422	0,0227	2,2994	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;g__Aminobacter; s	7	18	0,7757	0,0000	-0,0001	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;g__Aquamicrobi um;s__aerolatum	6	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;g__Chelativorans ;s__	5	11	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;g__Mesorhizobiu m;Other	13	8	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;g__Mesorhizobiu m;s__	43	20	0,706	0,0000	0,0025	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhizobiales;f__Phyllobacteriaceae;g__Nitratireduct or;Other	-4	7	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__Nitrateduct or;s	40	51	0,7391	0,1726	18,8431	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__Phyllobacterium;s	0	7	0,1266	0,0000	0,0014	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;Other;Other	47	53	0,0389	1,0648	190,0197	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__s	25	20	0,1228	0,0000	0,0016	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Agrobacterium;Other	-4	-6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Agrobacterium;s	7	18	0,2331	0,6122	84,4519	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Kaistia;s	12	12	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Rhizobium;s	42	38	0,9487	0,0000	-0,0003	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Shinella;s	4	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;Other;Other	31	15	0,0069	1,0346	181,4071	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__s	59	73	0,7064	0,1398	15,0087	4
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Amaricoccus;s	-14	3	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodobacterales;f__Rhodobacteraceae;g__Paracoccus;Other	49	48	0,6597	-0,2197	-19,7247	0

k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhodobacterales;f__Rhodobacteraceae;g__Paracoccus;s__	61	71	0,6199	0,1819	19,9543	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhodobacterales;f__Rhodobacteraceae;g__Paracoccus;s__aminovorans	34	37	0,3765	-0,3917	-32,4084	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhodospirillales;f__Rhodospirillaceae;g__s__	41	35	0,6251	0,2569	29,2967	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhodospirillales;f__Rhodospirillaceae;g__Azospirillum;s__	7	11	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhodospirillales;f__Rhodospirillaceae;g__Inquilinus;s__	41	3	0,0103	0,0000	0,0029	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rhodospirillales;f__Rhodospirillaceae;g__Phaeospirillum;s__	-1	15	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rickettsiales;f__g__s__	2	-6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rickettsiales;f__Rickettsiaceae;g__s__	28	25	0,682	0,0000	0,0031	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rickettsiales;f__Rickettsiaceae;g__Rickettsia;s__	0	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Rickettsiales;f__mitochondria;Other;Other	11	-1	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Sphingomonadales;Other;Other;Other	15	21	0,6248	0,0000	-0,0022	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria; o__Sphingomonadales;f__g__s__	44	23	0,858	0,0000	-0,0015	0

k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Erythrobacteraceae;Other;Other	30	22	0,8659	-0,0764	-7,3584	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Erythrobacteraceae;g__s__	63	67	0,3393	0,5348	70,7146	2
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Erythrobacteraceae;g__Erythrobacter;Other	32	20	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Erythrobacteraceae;g__Lutibacterium;s__	12	-1	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;Other;Other	50	47	0,4914	0,3755	45,5679	1
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__s__	37	55	0,2629	0,7231	106,0872	5
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Kaisitobacter;s__	36	5	0,8161	0,0000	0,0002	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Novosphingobium;Other	6	10	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Novosphingobium;s__	29	24	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingobium;s__	36	25	0,5942	-0,2864	-24,9030	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingobium;s__xenophagum	22	9	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingomonas;Other	13	14	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingomonas;s__	27	43	0,1403	0,3301	39,1172	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingomonas;s__wittichii	32	38	0,9606	-0,0254	-2,5124	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingopyxis;s__	35	22	0,3777	-0,4283	-34,8406	0
k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Sphingopyxis;s__alaskensis	0	-6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;Other;Other;Other;Other	-4	26	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__g__s__	18	14	0,4381	0,0001	0,0051	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;Other;Other;Other	84	99	0,7146	0,0608	6,2727	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__g__s__	16	-1	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;Other;Other	54	60	0,8862	-0,0628	-6,0844	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__s__	86	94	0,9604	0,0052	0,5167	33
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Achromobacter;s__	28	16	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Alcaligenes;s__faecalis	52	50	0,0106	-1,1115	-67,0933	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Denitrobacter;s__	33	26	0,6653	-0,2027	-18,3512	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Oligella;s__	-16	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Alcaligenaceae;g__Pigmentiphaga;s__	26	19	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;Other;Other	-8	7	0,1017	0,0000	0,0008	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Burkholderia;Other	12	15	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Burkholderia;s__	3	29	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Burkholderia;s__andropogonis	9	37	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Comamonadaceae;Other;Other	11	35	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__s__	38	46	0,64	0,2722	31,2800	1
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Comamonas;s__	19	-6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Comamonadaceae;g__Delftia;s__	10	11	NA	NA	NA	0



k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__s__	41	44	0,0414	0,8334	130,1165	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Janthinobacterium;s	21	26	0,5777	0,0000	0,0009	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Janthinobacterium;s lividum	26	34	0,5952	0,0000	0,0003	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Ralstonia;s	-4	11	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Methylophilales;f__Methylophilaceae;Other;Other	14	12	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Methylophilales;f__Methylophilaceae;g__s	39	21	0,4474	0,0001	0,0059	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Methylophilales;f__Methylophilaceae;g__Methylothermobacter;s mobilis	4	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Nitrosomonadales;f__Nitrosomonadaceae;Other;Other	6	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Nitrosomonadales;f__Nitrosomonadaceae;g__s	34	41	0,3937	-0,5350	-41,4334	1
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Procabacteriales;f__Procabacteriaceae;g__s	20	8	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Rhodocyclales;f__Rhodocyclaceae;Other;Other	0	-6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Rhodocyclales;f__Rhodocyclaceae;g__s	63	61	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Bdellovibrionales;f__Bacteriovoracaceae;g__s	22	21	0,1222	0,7004	101,4490	0

k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria; o__Bdellovibrionales;f__Bacteriovoraceae;g__Bacteri ovorax;s__	10	6	0,0663	-0,0001	-0,0087	0
k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria; o__Bdellovibrionales;f__Bdellovibrionaceae;g__Bdello vibrio;s__bacteriovorus	10	-1	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria; o__GMD14H09;f__g__s__	36	27	0,0005	1,6546	423,1038	0
k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria; o__Myxococcales;f__g__s__	37	26	0,1329	0,7100	103,4028	0
k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria; o__Myxococcales;f__Myxococcaceae;g__s__	17	14	0,0002	0,0003	0,0268	0
k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria; o__Spirobacillales;f__g__s__	21	-7	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Epsilonproteobacteri a;o__Campylobacteriales;f__Campylobacteraceae;g__Ar cobacter;s__	0	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteri a;Other;Other;Other;Other	80	78	0,9998	0,0001	0,0081	1
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteri a;o__f__g__s__	70	76	0,8226	0,0683	7,0730	2
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteri a;o__34P16;f__g__s__	14	13	0,4761	0,0001	0,0056	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteri a;o__Aeromonadales;f__Aeromonadaceae;g__s__	64	67	0	2,2236	824,0683	1
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteri a;o__Alteromonadales;Other;Other;Other	29	25	0,7376	-0,1380	-12,8925	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteri a;o__Alteromonadales;f__g__s__	30	48	0,9486	-0,0321	-3,1608	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__211ds20;g__s__	51	49	0,2536	0,6189	85,6927	1
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;Other;Other	75	72	0,2454	-0,3927	-32,4782	4
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__s__	68	75	0,9628	0,0178	1,7914	9
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__BD2-13;s	17	54	0,7437	0,0000	0,0005	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Candidatus Endobugula;s	24	19	0,1791	0,0002	0,0187	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Cellvibrio;s	72	68	0,2343	-0,7580	-53,1415	1
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Gilvibrinarius;s__chinensis	19	20	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__HB2-32-21;s	32	28	0,4476	0,0001	0,0052	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__HTCC 2207;s	29	48	0,379	0,0000	-0,0019	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Marinimicrobium;s	81	74	0,7406	-0,0950	-9,0641	5
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Marinobacter;Other	1	11	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Marinobacter;s__	59	66	0,32	0,3969	48,7186	2
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Microbulbifer;Other	40	31	0,9719	0,0000	-0,0001	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__Microbulbifer;s__	16	18	0,4898	0,0000	-0,0015	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Alteromonadaceae;g__ND137;s__	48	59	0,1807	0,6926	99,8884	4
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__HTCC2188;g__HTCC;s__	62	80	0,4669	0,2160	24,1047	1
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Idiomarinaceae;g__s__	78	75	0,2649	-0,4832	-38,3186	2
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Idiomarinaceae;g__Pseudidimarina;s__	38	22	0,2411	0,0000	-0,0045	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__Shewanellaceae;g__Shewanella;s__	7	-7	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__[Chromatiaceae];Other;Other	12	8	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Alteromonadales;f__[Chromatiaceae];g__s__	0	36	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;Other;Other;Other	34	26	0,8165	0,0905	9,4680	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;f__g__s__	45	52	0,936	0,0397	4,0517	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;f__Chromatiaceae;g__Halochromatium;s__	0	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;f__Ectothiorhodospiraceae;Other;Other	33	24	0,5067	0,2811	32,4577	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;f__Ectothiorhodospiraceae;g__s__	5	-10	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;f__Ectothiorhodospiraceae;g__Halorhodospira;s__	29	39	0	2,4128	1016,5505	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Chromatiales;f__Halothiobacillaceae;g__Halothiobacillus;s__	-16	18	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;Other;Other	33	65	0,9815	0,0000	0,0001	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__s__	55	58	0,3276	0,0001	0,0091	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Erwinia;s__	29	61	0,7892	0,0000	0,0004	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Proteus;s__	18	22	0,1052	-0,0001	-0,0064	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Providencia;Other	44	29	0,5625	0,2512	28,5620	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Providencia;s__	43	48	0,6772	0,2098	23,3421	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__g__s__	24	19	0,028	1,0612	188,9894	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;Other;Other	12	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__s__	19	16	0,6193	0,0000	0,0010	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__Legionella;s__	31	18	0,8021	0,0000	-0,0004	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Methylococcales;f__Methylococcaceae;g__Methylocaldum;s__	-9	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;Other;Other;Other	35	15	0,3722	-0,0001	-0,0062	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Alcanivoracaceae;g__Alcanivorax;Other	41	42	0,8744	0,0000	-0,0022	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Alcanivoracaceae;g__Alcanivorax;s__	82	92	0,9429	0,0169	1,7047	5
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Alcanivoracaceae;g__Alcanivorax;s__dieselolei	44	45	0,792	-0,1119	-10,5866	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Hahellaceae;g__s__	11	3	0,0185	0,0000	0,0025	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Halomonadaceae;Other;Other	22	16	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Halomonadaceae;g__s__	26	25	0,4925	0,0000	-0,0013	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Halomonadaceae;g__Candidatus Portiera;s__	28	-1	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Halomonadaceae;g__Haererehalobacter;s__salaria	7	26	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Halomonadaceae;g__Halomonas;Other	24	22	0,0399	0,0000	-0,0034	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Halomonadaceae;g__Halomonas;s__	81	85	0,7625	-0,0681	-6,5874	3
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oceanospirillaceae;Other;Other	34	48	0,3925	0,0000	0,0029	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oceanospirillaceae;g__s__	18	19	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oceanospirillaceae;g__Marinobacterium;s__	8	-7	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oceanospirillaceae;g__Marinomonas;s__	43	49	0,5656	-0,0001	-0,0052	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oceanospirillaceae;g__Marinomonas;s__primoryensis	0	2	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oceanospirillaceae;g__Neptunomonas;s__	25	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oceanospirillaceae;g__Oleibacter;s__	0	6	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oleiphilaceae;Other;Other	37	47	0,9637	0,0260	2,6373	2
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oleiphilaceae;g__s__	18	19	0,3187	0,0000	-0,0031	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Oleiphilaceae;g__Oleiphilus;s__messinensis	0	-6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Saccharospirillaceae;Other;Other	-10	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Oceanospirillales;f__Saccharospirillaceae;g__Saccharospirillum;s__	35	8	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;Other;Other;Other	25	47	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;Other;Other	6	33	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__s__	34	59	0,5257	-0,3144	-26,9810	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Acinetobacter;s__	13	19	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Acinetobacter;s__johnsonii	7	4	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Acinetobacter;s__schindleri	6	4	NA	NA	NA	0



k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Perluclidibaca;s__	6	23	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Psychrobacter;Other	21	42	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Psychrobacter;s__	32	44	0,5209	-0,0001	-0,0110	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Moraxellaceae;g__Psychrobacter;s__pacificensis	6	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;Other;Other	39	48	0,07	-0,7812	-54,2163	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__s__	75	80	0,032	-0,6208	-46,2482	8
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Azomonas;s__	13	-4	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;Other	70	65	0,1168	-0,6958	-50,1343	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__	64	75	0,9307	0,0214	2,1629	8
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__fragi	23	33	0,6818	-0,1638	-15,1123	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__nitroreducens	39	52	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__pseudoalcaligenes	9	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__stutzeri	58	55	0,6862	0,1938	21,3835	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas;s__viridiflava	28	52	0,34	-0,0001	-0,0113	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Thiotrichales;f__Piscirickettsiaceae;Other;Other	10	7	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Thiotrichales;f__Piscirickettsiaceae;g__s__	25	24	0,001	1,3524	286,6766	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Thiotrichales;f__Piscirickettsiaceae;g__Methylophaga;s__	75	76	0,9895	0,0046	0,4597	2
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Sinobacteraceae;g__s__	22	24	0,365	0,4520	57,1489	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Sinobacteraceae;g__Steroidobacter;s__	31	25	0,4725	0,3289	38,9438	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;Other;Other	32	47	0,0023	-0,9307	-60,5741	1
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__s__	76	77	0,2756	-0,4130	-33,8340	4
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Dokdonella;s__	-9	7	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Ignatzschineria;s__	27	38	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Luteibacter;s__rhizovicius	48	54	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Luteimonas;Other	-13	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Luteimonas;s__	100	94	0,0314	-0,4157	-34,0151	8
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Lyso bacter;s__	72	77	0,7797	-0,1377	-12,8652	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Rhodanobacter;Other	33	31	NA	NA	NA	1
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Rhodanobacter;s__	26	46	0,7209	-0,2773	-24,2206	8
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Rhodanobacter;s__lindaniclasticus	7	-2	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Stenotrophomonas;s__acidaminiphila	11	6	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Thermomonas;s__	12	8	NA	NA	NA	0

k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Xanthomonadaceae;g__Thermomonas;s__fusca	8	0	NA	NA	NA	0
k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__[Marinicellales];f__[Marinicellaceae];g__;s__	47	48	0,3222	-0,4715	-37,5950	0
k__Bacteria;p__TM7;Other;Other;Other;Other;Other	36	30	0,9563	0,0256	2,5893	0
k__Bacteria;p__TM7;c__ ;o__ ;f__ ;g__ ;s__	-6	0	NA	NA	NA	0
k__Bacteria;p__TM7;c__TM7-3;Other;Other;Other;Other	29	31	0,3368	0,5897	80,3477	2
k__Bacteria;p__TM7;c__TM7-3;o__ ;f__ ;g__ ;s__	42	50	0,9277	-0,0556	-5,4044	3
k__Bacteria;p__TM7;c__TM7-3;o__CW040;f__ ;g__ ;s__	9	4	0,4121	0,0000	0,0008	0
k__Bacteria;p__TM7;c__TM7-3;o__EW055;f__ ;g__ ;s__	45	35	0,9488	-0,0368	-3,6139	1
k__Bacteria;p__Tenericutes;c__Mollicutes;o__Acholeplasmatales;f__Acholeplasmataceae;g__;s__	-6	-18	NA	NA	NA	0
k__Bacteria;p__Tenericutes;c__Mollicutes;o__Acholeplasmatales;f__Acholeplasmataceae;g__Acholeplasma;s__	74	80	0,6133	0,1745	19,0670	1
k__Bacteria;p__Tenericutes;c__Mollicutes;o__Acholeplasmatales;f__Acholeplasmataceae;g__Acholeplasma;s__laidlawii	33	26	0,5698	0,2597	29,6528	0
k__Bacteria;p__Tenericutes;c__Mollicutes;o__RF39;f__ ;g__ ;s__	41	11	0,083	0,0002	0,0196	0
k__Bacteria;p__Tenericutes;c__RF3;o__ML615J-28;f__ ;g__ ;s__	-6	11	0,6031	0,0000	-0,0002	0

k__Bacteria;p__Verrucomicrobia;c__Opitutae;o__f__; g__s__	57	52	0,6033	0,2706	31,0728	1
k__Bacteria;p__Verrucomicrobia;c__Opitutae;o__Opitu tales;f__Opitutaceae;g__Opitutus;s__	18	12	NA	NA	NA	0
k__Bacteria;p__Verrucomicrobia;c__Opitutae;o__Punic eicoccales;f__Puniceicoccaceae;g__s__	68	38	0,6047	0,2460	27,8885	0
k__Bacteria;p__Verrucomicrobia;c__Opitutae;o__Punic eicoccales;f__Puniceicoccaceae;g__Coralimargarita;s__	38	11	0,0699	0,0000	0,0030	0
k__Bacteria;p__Verrucomicrobia;c__Opitutae;o__[Cera sicoccales];f__[Cerasicoccaceae];g__s	35	36	0,8721	0,0833	8,6818	0
k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae; o__Verrucomicrobiales;f__Verrucomicrobiaceae;g__s__	-7	20	0,5084	-0,2563	-22,6084	0
k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae; o__Verrucomicrobiales;f__Verrucomicrobiaceae;g__Lu teolibacter;s	40	29	0,6579	0,2066	22,9502	0
k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae; o__Verrucomicrobiales;f__Verrucomicrobiaceae;g__Pr osthecobacter;s	10	-9	NA	NA	NA	0
k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae; o__Verrucomicrobiales;f__Verrucomicrobiaceae;g__Ve rrucomicrobium;s__	14	10	NA	NA	NA	0
k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__ [Chthoniobacterales];f__[Chthoniobacteraceae];Other ;Other	-14	6	NA	NA	NA	0
k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__ [Chthoniobacterales];f__[Chthoniobacteraceae];g__h eteroC45 4W;s	24	37	0,9689	-0,0218	-2,1599	1
k__Bacteria;p__WPS-2;c__o__f__g__s__	0	23	0,5791	0,2850	32,9768	1

k__Bacteria;p__[Thermi];c__Deinococci;o__Deinococcales;f__Trueperaceae;g__B-42;s__	61	66	0,5791	0,2850	32,9768	8
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\*NA- not enough required values to build a statistical model