

Supplementary Table S2: All samples bacterial genus abundance

Genus	S1_reads	S1_ratio	S2_reads	S2_ratio	S3_reads	S3_ratio	S4_reads	S4_ratio	S5_reads	S5_ratio
Thermoflavimicrobium	0	0	0	0	0	0	0	0	1	0
Procabacter	1	0	0	0	0	0	3	0.01	0	0
Desulfosarcina	2	0.01	1	0	0	0	0	0	0	0
unclassified_Cytophagaceae	19	0.05	10	0.03	2	0.01	33	0.09	14	0.04
Orientia	0	0	1	0	0	0	0	0	1	0
unclassified_Heliobacteriaceae	0	0	1	0	0	0	0	0	2	0.01
Desulfopila	1	0	0	0	0	0	0	0	0	0
Chloroflexus	1	0	0	0	0	0	0	0	0	0
Reyranela	30	0.08	22	0.06	17	0.05	90	0.24	36	0.1
Denitrisoma	15	0.04	16	0.04	1	0	8	0.02	1	0
Candidatus_Allobeggiatoa	1	0	4	0.01	0	0	0	0	0	0
Anaerolinea	9	0.02	21	0.06	0	0	71	0.19	7	0.02
Methylovirgula	3	0.01	9	0.02	0	0	1	0	0	0
Brevundimonas	1	0	16	0.04	3	0.01	10	0.03	1	0
unclassified_Spirochaetaceae	10	0.03	8	0.02	3	0.01	14	0.04	12	0.03
Pedomicrobium	20	0.05	119	0.32	26	0.07	107	0.29	102	0.28
Demequina	0	0	0	0	0	0	1	0	1	0
unclassified_Desulfohalobiaceae	6	0.02	1	0	1	0	3	0.01	6	0.02
Haliea	8	0.02	2	0.01	4	0.01	18	0.05	6	0.02
Pilimelia	0	0	0	0	1	0	1	0	1	0
Desulfofrigus	11	0.03	8	0.02	1	0	5	0.01	13	0.04
C1-B045	4	0.01	3	0.01	0	0	1	0	4	0.01
Sideroxydans	2	0.01	4	0.01	0	0	0	0	0	0
Kineococcus	1	0	3	0.01	0	0	0	0	0	0
Rhodobium	13	0.04	11	0.03	14	0.04	140	0.38	130	0.35
Candidatus_Captivus	4	0.01	1	0	1	0	0	0	1	0
Pirellula	16	0.04	23	0.06	5	0.01	76	0.21	13	0.04
Pedosphaera	6	0.02	4	0.01	10	0.03	106	0.29	34	0.09
RC9_gut_group	7	0.02	1	0	0	0	0	0	0	0
Zavarzinella	1	0	0	0	0	0	0	0	0	0
Candidatus_Cloacamonas	1	0	0	0	0	0	0	0	0	0
Ralstonia	10	0.03	17	0.05	1	0	1	0	1	0
CL500-3	22	0.06	17	0.05	0	0	8	0.02	5	0.01
Marmoricola	4	0.01	1	0	3	0.01	61	0.17	29	0.08
Iamia	16	0.04	19	0.05	29	0.08	97	0.26	154	0.42
Epulopiscium	1	0	2	0.01	0	0	0	0	0	0
Candidatus_Microthrix	15	0.04	14	0.04	18	0.05	74	0.2	122	0.33
Rhodoplanes	4	0.01	3	0.01	1	0	13	0.04	9	0.02
Marinobacterium	5	0.01	2	0.01	0	0	0	0	1	0
Methylodaldum	1	0	1	0	0	0	0	0	0	0
Ilumatobacter	5	0.01	5	0.01	11	0.03	39	0.11	109	0.3
Tepidicella	0	0	0	0	0	0	4	0.01	0	0
Calothrix	0	0	1	0	0	0	0	0	0	0
Puniceicoccus	0	0	1	0	0	0	0	0	0	0
Kribbella	3	0.01	5	0.01	0	0	1	0	0	0
Acidiphilium	1	0	0	0	0	0	0	0	0	0
Sphingobium	264	0.72	223	0.61	498	1.35	1387	3.77	188	0.51
Lysobacter	10	0.03	21	0.06	1100	2.99	163	0.44	18	0.05
Aciditerrimonas	55	0.15	45	0.12	16	0.04	23	0.06	54	0.15
Luteolibacter	2	0.01	1	0	0	0	2	0.01	3	0.01
Chitinibacter	7	0.02	2	0.01	0	0	0	0	3	0.01
Candidatus_Lariskella	4	0.01	2	0.01	0	0	0	0	0	0
Clostridium_sensu_stricto_2	0	0	1	0	0	0	0	0	1	0
unclassified_Erythrobacteraceae	3	0.01	5	0.01	0	0	21	0.06	0	0
AUTHM297	3	0.01	1	0	0	0	0	0	0	0
Pseudoduganella	0	0	1	0	0	0	0	0	0	0
unclassified_Nitrosomonadaceae	45	0.12	957	2.6	54	0.15	166	0.45	100	0.27
Lautropia	1	0	0	0	0	0	0	0	0	0
Buttiaxella	0	0	0	0	1	0	0	0	0	0
Lysinibacillus	4	0.01	5	0.01	1	0	0	0	7	0.02
unclassified_Solimonadaceae	69	0.19	15	0.04	0	0	5	0.01	0	0
Coraliomargarita	1	0	3	0.01	0	0	1	0	0	0
Labrys	21	0.06	25	0.07	2	0.01	7	0.02	7	0.02
Xenophilus	11	0.03	11	0.03	3	0.01	37	0.1	0	0
GAL15	54	0.15	36	0.1	9	0.02	22	0.06	22	0.06
Hellea	0	0	4	0.01	0	0	0	0	0	0
Fluviicola	22	0.06	6	0.02	0	0	2	0.01	0	0

Candidatus_Nitrososphaera	1	0	0	0	0	0	0	0	0	0
Actinomadura	0	0	0	0	1	0	1	0	2	0.01
Adhaeribacter	11	0.03	435	1.18	0	0	1	0	4	0.01
Roseiflexus	54	0.15	166	0.45	4	0.01	37	0.1	14	0.04
Desulfarculus	3	0.01	0	0	0	0	0	0	0	0
Pseudogulbenkiana	26	0.07	24	0.07	6	0.02	11	0.03	0	0
Parvibaculum	1	0	2	0.01	0	0	0	0	0	0
Pasteuria	0	0	0	0	0	0	0	0	1	0
Ignavibacterium	40	0.11	20	0.05	1	0	2	0.01	0	0
unclassified_Rickettsiaceae	4	0.01	2	0.01	1	0	2	0.01	2	0.01
Caulobacter	15	0.04	16	0.04	501	1.36	101	0.27	2	0.01
Pseudonocardia	50	0.14	65	0.18	5	0.01	20	0.05	43	0.12
Roseimicrobium	0	0	3	0.01	0	0	2	0.01	0	0
Gaiella	1263	3.43	1013	2.75	214	0.58	412	1.12	1472	4
Anaerospira	0	0	1	0	0	0	0	0	0	0
Thiohalophilus	2	0.01	3	0.01	0	0	0	0	0	0
Thiobacillus	3	0.01	0	0	1	0	0	0	0	0
Tahibacter	9	0.02	2	0.01	0	0	0	0	0	0
Sufflavibacter	1	0	1	0	0	0	0	0	0	0
Terriglobus	0	0	0	0	57	0.15	0	0	0	0
Ramlibacter	52	0.14	144	0.39	1	0	205	0.56	2	0.01
unclassified_Syntrophomonadaceae	1	0	0	0	0	0	0	0	0	0
Methylophilus	1	0	0	0	0	0	0	0	0	0
Candidatus_Contubernalis	0	0	0	0	0	0	0	0	1	0
Chryseobacterium	1	0	0	0	0	0	3	0.01	0	0
Candidatus_Solibacter	138	0.37	369	1	6	0.02	154	0.42	25	0.07
Ammoniphilus	1	0	0	0	0	0	0	0	0	0
unclassified_Moraxellaceae	59	0.16	102	0.28	5	0.01	96	0.26	4	0.01
Desulfurobacterium	20	0.05	9	0.02	1	0	3	0.01	1	0
W4	24	0.07	8	0.02	0	0	11	0.03	5	0.01
Rothia	1	0	0	0	0	0	0	0	0	0
Fervidobacterium	1	0	2	0.01	0	0	0	0	0	0
Acidovorax	82	0.22	120	0.33	22	0.06	63	0.17	67	0.18
Pleomorphomonas	1	0	2	0.01	0	0	0	0	0	0
unclassified_Prevotellaceae	0	0	0	0	0	0	0	0	1	0
Nonomuraea	0	0	2	0.01	1	0	0	0	3	0.01
Sunxiuqinia	0	0	1	0	1	0	3	0.01	0	0
unclassified_Holosporaceae	12	0.03	19	0.05	4	0.01	4	0.01	3	0.01
Tetrasphaera	6	0.02	47	0.13	4	0.01	14	0.04	10	0.03
Candidatus_Methylacidiphilum	10	0.03	10	0.03	0	0	3	0.01	1	0
Turcibacter	0	0	1	0	0	0	0	0	0	0
Blastomonas	23	0.06	49	0.13	8	0.02	25	0.07	18	0.05
Myxococcus	14	0.04	20	0.05	2	0.01	7	0.02	3	0.01
Candidatus_Glomeribacter	1	0	1	0	0	0	0	0	0	0
Thalassospira	7	0.02	5	0.01	1	0	0	0	0	0
Thauera	10	0.03	12	0.03	1	0	22	0.06	1	0
Litoricola	0	0	0	0	1	0	0	0	0	0
Candidatus_Metachlamydia	5	0.01	21	0.06	13	0.04	12	0.03	12	0.03
Ammonifex	1	0	1	0	1	0	0	0	0	0
Waddlia	3	0.01	6	0.02	0	0	0	0	0	0
Actinoplanes	10	0.03	14	0.04	1	0	9	0.02	2	0.01
Rhodoblastus	1	0	1	0	0	0	0	0	0	0
unclassified_Pseudomonadaceae	0	0	0	0	1	0	0	0	0	0
Sandaracinus	25	0.07	59	0.16	5	0.01	26	0.07	12	0.03
Herbaspirillum	0	0	1	0	28	0.08	0	0	0	0
Thermodesulfatator	1	0	2	0.01	0	0	0	0	0	0
Desulfobacterium	12	0.03	13	0.04	0	0	4	0.01	3	0.01
Wohlfahrtiimonas	0	0	1	0	0	0	0	0	0	0
Nocardiopsis	0	0	0	0	0	0	4	0.01	0	0
unclassified_Neisseriaceae	1	0	7	0.02	0	0	1	0	0	0
Candidatus_Scalindua	1	0	0	0	0	0	0	0	0	0
Bacteriovorax	1	0	0	0	0	0	1	0	0	0
Desulfotomaculum	11	0.03	5	0.01	1	0	1	0	1	0
Moorella	1	0	0	0	0	0	0	0	0	0
Clostridium_sensu_stricto_13	1	0	7	0.02	2	0.01	74	0.2	5	0.01
Phaselocystis	75	0.2	195	0.53	10	0.03	28	0.08	27	0.07
Luedemannella	50	0.14	65	0.18	6	0.02	16	0.04	24	0.07
Nitrospira	25	0.07	287	0.78	10	0.03	93	0.25	69	0.19
Stigmatella	1	0	0	0	0	0	0	0	0	0
Prolixibacter	0	0	0	0	0	0	2	0.01	0	0
Chroococciopsis	1	0	2	0.01	1	0	3	0.01	4	0.01

Salinisphaera	0	0	1	0	0	0	0	0	0	0
Solimonas	5	0.01	1	0	0	0	0	0	0	0
unclassified_Ktedonobacteraceae	6	0.02	6	0.02	2	0.01	8	0.02	6	0.02
Oceanobacillus	1	0	0	0	0	0	3	0.01	1	0
Clostridium_sensu_stricto_1	6	0.02	6	0.02	3	0.01	5	0.01	8	0.02
Haloactinopolyspora	1	0	0	0	0	0	0	0	0	0
Viridibacillus	1	0	0	0	0	0	0	0	0	0
Shinella	0	0	3	0.01	0	0	2	0.01	5	0.01
Dongia	6	0.02	2	0.01	12	0.03	2	0.01	10	0.03
Propionicicella	0	0	0	0	0	0	5	0.01	0	0
Candidatus_Amphibiichlamydia	0	0	1	0	0	0	0	0	0	0
Escherichia-Shigella	1471	4	873	2.37	70	0.19	618	1.68	274	0.74
Asahi_BRW2	1	0	0	0	0	0	0	0	0	0
Xylophilus	0	0	0	0	0	0	20	0.05	0	0
Planctomyces	82	0.22	134	0.36	1	0	38	0.1	16	0.04
unclassified_Puniceicoccaceae	5	0.01	0	0	0	0	0	0	0	0
unclassified_Flammeovirgaceae	1	0	0	0	0	0	0	0	0	0
Geothrix	3	0.01	3	0.01	0	0	88	0.24	0	0
Cellulomonas	18	0.05	31	0.08	10	0.03	34	0.09	28	0.08
unclassified_Salinisphaeraceae	4	0.01	0	0	0	0	1	0	0	0
Pectobacterium	0	0	3	0.01	1	0	0	0	5	0.01
unclassified_Sneathiellaceae	3	0.01	4	0.01	1	0	1	0	0	0
Ktedonobacter	5	0.01	3	0.01	1	0	1	0	7	0.02
Ethanoligenens	1	0	0	0	0	0	0	0	0	0
Azonexus	0	0	1	0	0	0	0	0	0	0
unclassified_Nannocystaceae	28	0.08	9	0.02	0	0	1	0	1	0
Brasilonema	1	0	1	0	1	0	0	0	0	0
Legionella	16	0.04	15	0.04	1	0	7	0.02	4	0.01
Kineosporia	26	0.07	25	0.07	1	0	10	0.03	4	0.01
Incertae_Sedis	33	0.09	12	0.03	9	0.02	27	0.07	25	0.07
Pseudospirillum	0	0	1	0	0	0	2	0.01	0	0
unclassified_Rhodobacteraceae	12	0.03	13	0.04	0	0	5	0.01	3	0.01
Candidatus_Chlorothrix	2	0.01	0	0	0	0	0	0	0	0
Rheinheimera	0	0	1	0	0	0	0	0	0	0
Nordella	45	0.12	48	0.13	4	0.01	19	0.05	25	0.07
unclassified_Bacteriovoracaceae	27	0.07	22	0.06	3	0.01	14	0.04	8	0.02
unclassified_Sphingobacteriaceae	1	0	0	0	0	0	0	0	0	0
Xanthomonas	2	0.01	29	0.08	3	0.01	15	0.04	2	0.01
Hydrothalea	0	0	1	0	0	0	0	0	0	0
Zoogloea	0	0	2	0.01	0	0	0	0	0	0
SM1A02	74	0.2	65	0.18	4	0.01	23	0.06	6	0.02
Sorangium	33	0.09	109	0.3	3	0.01	14	0.04	28	0.08
Asanoa	1	0	0	0	0	0	0	0	0	0
Sphaerisporangium	2	0.01	0	0	2	0.01	0	0	4	0.01
Uliginosibacterium	4	0.01	0	0	0	0	2	0.01	0	0
Pelagibius	1	0	0	0	0	0	0	0	0	0
unclassified_Rhodocyclaceae	55	0.15	68	0.18	0	0	49	0.13	4	0.01
Roseomonas	4	0.01	7	0.02	7	0.02	31	0.08	1	0
060F05-B-SD-P93	0	0	1	0	0	0	0	0	0	0
Blastopirellula	0	0	12	0.03	0	0	1	0	3	0.01
Leptolinea	0	0	3	0.01	0	0	2	0.01	2	0.01
Solibacillus	0	0	1	0	0	0	0	0	2	0.01
Magnetospira	2	0.01	0	0	0	0	0	0	1	0
PB79	15	0.04	11	0.03	1	0	10	0.03	4	0.01
Rhodoligotrophos	12	0.03	12	0.03	1	0	3	0.01	8	0.02
unclassified_Peptostreptococcacei	1	0	0	0	0	0	0	0	1	0
Spirilliplanes	4	0.01	8	0.02	0	0	1	0	3	0.01
Pseudomonas	157	0.43	88	0.24	26780	72.73	8693	23.61	16089	43.7
vadinBC27_wastewater-sludge_g	5	0.01	3	0.01	0	0	0	0	0	0
Saccharopolyspora	0	0	1	0	0	0	0	0	0	0
Blastococcus	10	0.03	63	0.17	0	0	6	0.02	4	0.01
SEEP-SRB1	1	0	6	0.02	0	0	0	0	2	0.01
Candidatus_Desulforudis	3	0.01	1	0	0	0	1	0	1	0
Patulibacter	86	0.23	229	0.62	31	0.08	93	0.25	104	0.28
Geobacillus	11	0.03	17	0.05	2	0.01	8	0.02	2	0.01
Longilinea	0	0	3	0.01	0	0	0	0	0	0
Candidatus_Koribacter	75	0.2	44	0.12	5	0.01	25	0.07	29	0.08
unclassified_Chitinophagaceae	206	0.56	422	1.15	12	0.03	130	0.35	24	0.07
Cytophaga	89	0.24	11	0.03	0	0	0	0	4	0.01
unclassified_Lachnospiraceae	4	0.01	8	0.02	1	0	9	0.02	4	0.01
Nitratireductor	42	0.11	112	0.3	0	0	19	0.05	13	0.04

unclassified_Desulfarculaceae	107	0.29	81	0.22	9	0.02	91	0.25	25	0.07
unclassified_Nitrospinaceae	145	0.39	155	0.42	13	0.04	115	0.31	29	0.08
Propionivibrio	3	0.01	9	0.02	0	0	16	0.04	0	0
Intrasporangium	15	0.04	32	0.09	0	0	10	0.03	20	0.05
Acidothermus	44	0.12	46	0.12	8	0.02	10	0.03	36	0.1
Pseudorhodoferax	0	0	0	0	2	0.01	0	0	0	0
I-8	5	0.01	4	0.01	0	0	1	0	0	0
Microbacterium	19	0.05	25	0.07	1	0	10	0.03	16	0.04
Syntrophus	4	0.01	2	0.01	1	0	1	0	0	0
Brevibacillus	1	0	0	0	0	0	1	0	3	0.01
unclassified_Ruminococcaceae	26	0.07	54	0.15	4	0.01	10	0.03	6	0.02
Clostridium_sensu_stricto_10	1	0	0	0	0	0	3	0.01	1	0
unclassified_Beijerinckiaceae	7	0.02	3	0.01	2	0.01	3	0.01	3	0.01
Desulforhopalus	5	0.01	4	0.01	0	0	3	0.01	0	0
Olsenella	0	0	1	0	0	0	0	0	3	0.01
Pullulanibacillus	0	0	0	0	0	0	0	0	1	0
Granulosicoccus	1	0	2	0.01	0	0	0	0	0	0
Syntrophobacter	6	0.02	14	0.04	2	0.01	13	0.04	11	0.03
Sporomusa	0	0	2	0.01	0	0	1	0	0	0
Kaistia	2	0.01	2	0.01	1	0	1	0	1	0
Thioalkalispira	6	0.02	3	0.01	0	0	5	0.01	2	0.01
Gloeobacter	1	0	0	0	0	0	0	0	0	0
Plantactinospira	0	0	1	0	0	0	1	0	0	0
AEGEAN-169_marine_group	0	0	2	0.01	0	0	0	0	0	0
Comamonas	19	0.05	21	0.06	11	0.03	12	0.03	10	0.03
unclassified_Polyangiaceae	5	0.01	4	0.01	0	0	0	0	3	0.01
Chondromyces	30	0.08	16	0.04	2	0.01	2	0.01	9	0.02
Rhodovulum	5	0.01	2	0.01	0	0	1	0	0	0
Candidatus_Nostocoida	0	0	1	0	0	0	0	0	0	0
Desulfonatronum	36	0.1	19	0.05	4	0.01	17	0.05	7	0.02
Polaromonas	52	0.14	23	0.06	0	0	56	0.15	2	0.01
Pelosinus	0	0	5	0.01	1	0	1	0	2	0.01
Peredibacter	5	0.01	14	0.04	0	0	0	0	3	0.01
CL500-29_marine_group	65	0.18	225	0.61	16	0.04	69	0.19	28	0.08
Synechococcus	0	0	0	0	0	0	0	0	1	0
unclassified_Synergistaceae	94	0.26	92	0.25	23	0.06	54	0.15	74	0.2
Sandarakinorhabdus	0	0	1	0	0	0	0	0	0	0
Bradyrhizobium	204	0.55	693	1.88	21	0.06	215	0.58	52	0.14
Demetria	2	0.01	0	0	0	0	1	0	0	0
Arenimonas	164	0.45	278	0.76	7	0.02	30	0.08	11	0.03
Blastocatella	2370	6.44	1387	3.77	27	0.07	724	1.97	146	0.4
unclassified_Thiotrichaceae	4	0.01	2	0.01	0	0	0	0	2	0.01
Spirosoma	0	0	0	0	0	0	1	0	0	0
Thioalkalivibrio	0	0	1	0	0	0	0	0	0	0
unclassified_Caulobacteraceae	47	0.13	56	0.15	6	0.02	18	0.05	10	0.03
Desulfonatronobacter	1	0	1	0	0	0	0	0	0	0
Sporichthya	55	0.15	50	0.14	6	0.02	14	0.04	38	0.1
Zymomonas	94	0.26	28	0.08	9	0.02	55	0.15	5	0.01
Rickettsia	5	0.01	2	0.01	0	0	2	0.01	1	0
Undibacterium	7	0.02	21	0.06	3	0.01	11	0.03	0	0
Luteimonas	2	0.01	3	0.01	1	0	0	0	0	0
unclassified_Comamonadaceae	281	0.76	508	1.38	181	0.49	352	0.96	104	0.28
Desulfacinum	50	0.14	19	0.05	14	0.04	20	0.05	9	0.02
Thermoanaerobaculum	52	0.14	37	0.1	4	0.01	5	0.01	2	0.01
Rhodobacter	3	0.01	3	0.01	0	0	0	0	1	0
Carnobacterium	0	0	0	0	0	0	0	0	2	0.01
Truepera	0	0	2	0.01	0	0	0	0	0	0
unclassified_Bradyrhizobiaceae	30	0.08	38	0.1	2	0.01	11	0.03	10	0.03
Methylothermus	1	0	1	0	0	0	0	0	0	0
Pir4_lineage	58	0.16	151	0.41	15	0.04	27	0.07	33	0.09
Flavobacterium	177	0.48	217	0.59	13	0.04	306	0.83	33	0.09
Candidatus_Entotheonella	116	0.32	101	0.27	2	0.01	31	0.08	3	0.01
Nocardia	5	0.01	8	0.02	1	0	16	0.04	30	0.08
Novosphingobium	552	1.5	529	1.44	61	0.17	540	1.47	215	0.58
Paucimonas	2	0.01	1	0	0	0	0	0	0	0
Pseudolabrys	10	0.03	18	0.05	3	0.01	8	0.02	8	0.02
Sphingomonas	1841	5	796	2.16	207	0.56	1382	3.75	140	0.38
Segetibacter	1	0	0	0	0	0	0	0	0	0
Cryptanaerobacter	0	0	0	0	0	0	0	0	1	0
unclassified_Erysipelotrichaceae	1	0	0	0	0	0	0	0	0	0
Desulfocapsa	20	0.05	11	0.03	1	0	12	0.03	9	0.02

Holophaga	1	0	0	0	0	0	68	0.18	0	0
Caldisericum	0	0	2	0.01	0	0	0	0	0	0
Methanomassiliicoccus	4	0.01	1	0	1	0	0	0	1	0
unclassified_Clostridiaceae	1	0	1	0	0	0	0	0	0	0
NS10_marine_group	9	0.02	0	0	0	0	0	0	0	0
unclassified_Thermotogaceae	1	0	1	0	0	0	0	0	0	0
Candidatus_Amoebophilus	0	0	0	0	1	0	1	0	1	0
Candidatus_Hepatincola	0	0	0	0	0	0	1	0	0	0
Kluyvera	0	0	0	0	2	0.01	0	0	33	0.09
Z195MB87	27	0.07	34	0.09	2	0.01	6	0.02	3	0.01
Geodermatophilus	4	0.01	17	0.05	0	0	5	0.01	3	0.01
Dyella	0	0	0	0	3	0.01	0	0	0	0
unclassified_Streptosporangiaceae	2	0.01	5	0.01	1	0	6	0.02	1	0
Nitrosococcus	127	0.34	330	0.9	42	0.11	182	0.49	218	0.59
Paucibacter	0	0	2	0.01	0	0	1	0	0	0
Pir3_lineage	0	0	1	0	0	0	0	0	0	0
Rhodovibrio	2	0.01	0	0	0	0	0	0	0	0
Gemmatimonas	92	0.25	128	0.35	6	0.02	43	0.12	30	0.08
Rhizomicrobium	44	0.12	31	0.08	2	0.01	21	0.06	5	0.01
Maritimimonas	3	0.01	0	0	0	0	0	0	0	0
Weeksella	1	0	0	0	0	0	0	0	0	0
Pelomonas	1	0	0	0	0	0	0	0	0	0
Sporobacter	0	0	1	0	0	0	0	0	0	0
Dehalobium	4	0.01	9	0.02	0	0	3	0.01	3	0.01
Inhella	5	0.01	4	0.01	0	0	0	0	0	0
Oryzihumus	2	0.01	5	0.01	0	0	1	0	2	0.01
Cryptosporangium	3	0.01	4	0.01	0	0	0	0	0	0
Proteiniclasticum	0	0	1	0	0	0	0	0	0	0
Deinococcus	0	0	1	0	0	0	0	0	0	0
Megasphaera	3	0.01	0	0	0	0	0	0	0	0
Aquicella	78	0.21	88	0.24	26	0.07	46	0.12	48	0.13
SEEP-SRB2	4	0.01	8	0.02	0	0	2	0.01	4	0.01
Halarsenatibacter	2	0.01	0	0	0	0	0	0	1	0
unclassified_Desulfovibrionaceae	1	0	2	0.01	0	0	1	0	0	0
Telmatobacter	3	0.01	1	0	0	0	1	0	0	0
Phyllobacterium	1	0	0	0	0	0	0	0	0	0
Nocardioides	116	0.32	226	0.61	3	0.01	77	0.21	63	0.17
Dechloromonas	1	0	2	0.01	0	0	2	0.01	2	0.01
Defluviimonas	13	0.04	4	0.01	0	0	4	0.01	1	0
Arenicella	0	0	0	0	0	0	1	0	0	0
Streptacidiphilus	3	0.01	6	0.02	1	0	2	0.01	8	0.02
Microbulbifer	4	0.01	0	0	0	0	0	0	0	0
Clostridium_sensu_stricto_12	0	0	1	0	2	0.01	3	0.01	1	0
Spirochaeta	2	0.01	6	0.02	0	0	1	0	1	0
Clostridium_sensu_stricto_9	1	0	4	0.01	1	0	37	0.1	4	0.01
Hydrocarboniphaga	8	0.02	0	0	1	0	4	0.01	0	0
Verrucomicrobium	0	0	5	0.01	0	0	0	0	1	0
Sandaracinobacter	0	0	1	0	0	0	0	0	0	0
Rhodanobacter	124	0.34	693	1.88	14	0.04	79	0.21	9	0.02
Azospira	1399	3.8	1260	3.42	146	0.4	706	1.92	899	2.44
Desulfitobacterium	0	0	0	0	0	0	1	0	0	0
Bauldia	21	0.06	24	0.07	0	0	10	0.03	5	0.01
Phycicola	3	0.01	11	0.03	0	0	1	0	18	0.05
Candidatus_Endoecteinascidia	7	0.02	8	0.02	0	0	4	0.01	3	0.01
Desulfobulbus	24	0.07	28	0.08	1	0	16	0.04	16	0.04
Fontimonas	1	0	0	0	0	0	0	0	0	0
Klebsiella	0	0	0	0	2	0.01	0	0	1	0
Enterobacter	80	0.22	9	0.02	821	2.23	20	0.05	638	1.73
Hirschia	39	0.11	18	0.05	1	0	11	0.03	4	0.01
Syntrophorhabdus	100	0.27	36	0.1	12	0.03	45	0.12	22	0.06
Cloacibacterium	0	0	1	0	0	0	0	0	0	0
Dyadobacter	0	0	0	0	0	0	1	0	0	0
Desulfofaba	0	0	2	0.01	0	0	1	0	1	0
Mucilaginibacter	6	0.02	0	0	61	0.17	0	0	0	0
Atopococcus	0	0	0	0	0	0	0	0	1	0
Knoellia	1	0	0	0	0	0	0	0	0	0
Aquabacter	0	0	0	0	0	0	1	0	0	0
Microlunatus	23	0.06	24	0.07	2	0.01	9	0.02	13	0.04
Acidicaldus	7	0.02	2	0.01	0	0	0	0	1	0
Candidatus_Proteochlamydia	76	0.21	87	0.24	5	0.01	30	0.08	21	0.06
Mariprofundus	10	0.03	8	0.02	3	0.01	4	0.01	2	0.01

Nitrospina	69	0.19	40	0.11	7	0.02	20	0.05	13	0.04
Steroidobacter	126	0.34	140	0.38	4	0.01	132	0.36	6	0.02
Thermomonas	168	0.46	734	1.99	216	0.59	134	0.36	72	0.2
Cupriavidus	42	0.11	114	0.31	314	0.85	730	1.98	370	1
unclassified_Phylobacteriaceae	3	0.01	1	0	0	0	0	0	0	0
Raoultella	56	0.15	313	0.85	49	0.13	38	0.1	3	0.01
Lapillicoccus	2	0.01	16	0.04	1	0	0	0	0	0
Pir2_lineage	0	0	1	0	0	0	0	0	0	0
Amycolatopsis	0	0	0	0	0	0	1	0	0	0
Desulfonema	2	0.01	0	0	0	0	0	0	0	0
Rahnella	0	0	0	0	0	0	0	0	4	0.01
Clostridium_sensu_stricto_5	1	0	0	0	0	0	0	0	2	0.01
Haloferula	5	0.01	17	0.05	3	0.01	13	0.04	1	0
Subdoligranulum	3	0.01	1	0	0	0	0	0	0	0
unclassified_Saprosiraceae	92	0.25	61	0.17	4	0.01	12	0.03	8	0.02
Singulisphaera	7	0.02	16	0.04	3	0.01	2	0.01	5	0.01
Acetobacter	2	0.01	0	0	0	0	0	0	0	0
Schlesneria	34	0.09	30	0.08	0	0	6	0.02	3	0.01
Methylocystis	1	0	0	0	0	0	0	0	0	0
NSS_marine_group	0	0	0	0	0	0	1	0	0	0
Thermoleophilum	8	0.02	15	0.04	1	0	7	0.02	12	0.03
Clostridium_sensu_stricto_8	2	0.01	1	0	0	0	4	0.01	3	0.01
Planotetraspora	10	0.03	17	0.05	2	0.01	8	0.02	28	0.08
Arthrobacter	52	0.14	476	1.29	6	0.02	250	0.68	140	0.38
Azospirillum	41	0.11	12	0.03	0	0	5	0.01	2	0.01
Chthonomonas	13	0.04	9	0.02	0	0	0	0	3	0.01
Fonticella	1	0	3	0.01	2	0.01	49	0.13	2	0.01
Thermobispora	0	0	0	0	1	0	0	0	0	0
Leucobacter	3	0.01	2	0.01	1	0	2	0.01	6	0.02
Cryomorpha	6	0.02	0	0	0	0	0	0	0	0
Desulfovira	1	0	1	0	0	0	0	0	0	0
Paenibacillus	15	0.04	81	0.22	9	0.02	15	0.04	62	0.17
Rubellimicrobium	4	0.01	4	0.01	1	0	0	0	0	0
Streptomyces	273	0.74	309	0.84	73	0.2	93	0.25	271	0.74
Sporosarcina	0	0	0	0	0	0	0	0	2	0.01
Dehalogenimonas	2	0.01	3	0.01	1	0	0	0	1	0
Aquisalimonas	1	0	6	0.02	0	0	1	0	1	0
Gemmata	107	0.29	145	0.39	7	0.02	59	0.16	8	0.02
Candidatus_Liberibacter	13	0.04	11	0.03	0	0	7	0.02	6	0.02
Rhodopirellula	3	0.01	8	0.02	0	0	4	0.01	0	0
Parasegetibacter	19	0.05	19	0.05	0	0	4	0.01	1	0
Spirulina	0	0	0	0	0	0	2	0.01	0	0
Anaeromyxobacter	83	0.23	81	0.22	4	0.01	328	0.89	18	0.05
unclassified_Paenibacillaceae	0	0	0	0	0	0	1	0	2	0.01
Candidatus_Xiphinematobacter	294	0.8	1010	2.74	117	0.32	228	0.62	278	0.76
Smaragdicoccus	6	0.02	6	0.02	0	0	3	0.01	12	0.03
unclassified_Gemmatimonadacea	1403	3.81	1010	2.74	89	0.24	666	1.81	316	0.86
unclassified_Methylophilaceae	18	0.05	7	0.02	0	0	2	0.01	0	0
LD28_freshwater_group	2	0.01	1	0	0	0	0	0	0	0
Catellatospora	14	0.04	10	0.03	3	0.01	4	0.01	9	0.02
Edaphobacter	0	0	0	0	1	0	0	0	0	0
unclassified_Coxiellaceae	8	0.02	3	0.01	0	0	1	0	6	0.02
Prochlorococcus	1	0	3	0.01	0	0	0	0	1	0
unclassified_Helicobacteraceae	2	0.01	1	0	0	0	0	0	0	0
Dehalobacter	0	0	1	0	0	0	6	0.02	0	0
Alicyclophilus	10	0.03	19	0.05	0	0	50	0.14	1	0
Pseudoclavibacter	0	0	0	0	0	0	0	0	1	0
unclassified_Simkaniaceae	67	0.18	80	0.22	4	0.01	28	0.08	19	0.05
Nitrosomonas	18	0.05	28	0.08	0	0	0	0	0	0
Serratia	9	0.02	7	0.02	2	0.01	1	0	5349	14.53
Deferrisoma	4	0.01	3	0.01	1	0	3	0.01	0	0
Craurococcus	0	0	2	0.01	0	0	1	0	0	0
Marvinbryantia	0	0	1	0	0	0	0	0	0	0
Herminiimonas	0	0	1	0	0	0	0	0	1	0
Rivibacter	5	0.01	18	0.05	0	0	12	0.03	4	0.01
Crossiella	1	0	2	0.01	0	0	0	0	2	0.01
unclassified	5710	15.51	2912	7.91	244	0.66	1709	4.64	980	2.66
Candidatus_Anammoximicrobium	4	0.01	6	0.02	0	0	1	0	0	0
unclassified_Syntrophaceae	66	0.18	31	0.08	7	0.02	25	0.07	22	0.06
Magnetospirillum	1	0	3	0.01	0	0	0	0	0	0
Anaerovorax	0	0	0	0	0	0	3	0.01	0	0

Smithella	84	0.23	59	0.16	4	0.01	14	0.04	12	0.03
Paludibacter	1	0	1	0	1	0	0	0	0	0
Desulforhabdus	6	0.02	9	0.02	0	0	1	0	4	0.01
Ornatilinea	395	1.07	253	0.69	15	0.04	217	0.59	50	0.14
Azohydromonas	1	0	3	0.01	0	0	1	0	0	0
Cystobacter	2	0.01	3	0.01	0	0	12	0.03	5	0.01
Bacteroides	0	0	1	0	0	0	0	0	0	0
Longispora	9	0.02	17	0.05	2	0.01	4	0.01	1	0
Vogesella	4	0.01	3	0.01	0	0	0	0	0	0
Candidatus_Saccharimonas	35	0.1	29	0.08	6	0.02	11	0.03	21	0.06
Kitasatospora	87	0.24	115	0.31	27	0.07	26	0.07	92	0.25
Chelatococcus	28	0.08	34	0.09	6	0.02	13	0.04	30	0.08
Shimazuella	5	0.01	4	0.01	0	0	1	0	6	0.02
Lacibacter	2	0.01	0	0	0	0	0	0	0	0
Actinocorallia	1	0	3	0.01	2	0.01	1	0	2	0.01
Flavisolibacter	39	0.11	31	0.08	2	0.01	18	0.05	4	0.01
Planosporangium	26	0.07	21	0.06	0	0	10	0.03	29	0.08
Weissella	0	0	0	0	5	0.01	2	0.01	0	0
Magnetococcus	0	0	1	0	0	0	0	0	0	0
Pelotomaculum	0	0	1	0	0	0	0	0	3	0.01
Aureispira	0	0	2	0.01	0	0	0	0	0	0
Nitriliruptor	6	0.02	4	0.01	2	0.01	1	0	8	0.02
Aeromonas	3	0.01	1	0	17	0.05	10	0.03	3	0.01
unclassified_Desulfurellaceae	110	0.3	86	0.23	10	0.03	51	0.14	11	0.03
Vibrio	1	0	0	0	0	0	0	0	0	0
Alistipes	0	0	0	0	0	0	0	0	1	0
Lactococcus	1	0	0	0	0	0	1	0	0	0
Achromobacter	156	0.42	155	0.42	144	0.39	188	0.51	713	1.94
Cedecea	0	0	0	0	2	0.01	0	0	0	0
Phenylobacterium	74	0.2	106	0.29	64	0.17	373	1.01	22	0.06
Sulfurovum	9	0.02	12	0.03	0	0	2	0.01	0	0
Candidatus_Latescibacter	160	0.43	112	0.3	10	0.03	79	0.21	40	0.11
Simplicispira	18	0.05	20	0.05	0	0	28	0.08	2	0.01
Sulfurimonas	3	0.01	3	0.01	0	0	0	0	1	0
Byssovorax	136	0.37	79	0.21	3	0.01	14	0.04	14	0.04
Flaviumibacter	3	0.01	15	0.04	0	0	1	0	0	0
Atopobium	0	0	1	0	0	0	1	0	0	0
Ohtaekwangia	25	0.07	3	0.01	0	0	4	0.01	1	0
Sva0081_sediment_group	11	0.03	1	0	0	0	3	0.01	0	0
Thermosipho	1	0	0	0	0	0	0	0	0	0
Pantoea	1	0	0	0	488	1.33	1	0	505	1.37
Isopterocola	1	0	2	0.01	0	0	2	0.01	5	0.01
Hyphomicrobium	85	0.23	104	0.28	16	0.04	58	0.16	27	0.07
Sporacetigenium	0	0	0	0	1	0	193	0.52	1	0
Candidatus_Kuenenia	9	0.02	3	0.01	0	0	5	0.01	1	0
unclassified_Anaerolineaceae	632	1.72	617	1.68	57	0.15	179	0.49	207	0.56
Litorilinea	6	0.02	2	0.01	0	0	0	0	0	0
Caenimonas	17	0.05	30	0.08	16	0.04	14	0.04	0	0
Marinobacter	8	0.02	8	0.02	0	0	13	0.04	4	0.01
Streptococcus	0	0	0	0	0	0	1	0	0	0
Urania-1B-19_marine_sediment_	27	0.07	5	0.01	3	0.01	4	0.01	4	0.01
Desulforegula	9	0.02	2	0.01	1	0	3	0.01	3	0.01
unclassified_Rhodothermaceae	2	0.01	0	0	1	0	1	0	0	0
Ferriphaselus	0	0	1	0	0	0	0	0	0	0
unclassified_Ectothiorhodospirac	1	0	0	0	0	0	1	0	1	0
Thermomicrobium	6	0.02	15	0.04	2	0.01	1	0	7	0.02
Criblamydia	4	0.01	2	0.01	1	0	3	0.01	3	0.01
Chitinophaga	83	0.23	93	0.25	6	0.02	40	0.11	4	0.01
Azoarcus	32	0.09	43	0.12	2	0.01	40	0.11	6	0.02
unclassified_Hyphomicrobiaceae	18	0.05	7	0.02	2	0.01	5	0.01	7	0.02
Haliangium	400	1.09	372	1.01	17	0.05	102	0.28	39	0.11
Krasilnikovia	4	0.01	4	0.01	0	0	1	0	1	0
Candidatus_Methylomirabilis	15	0.04	9	0.02	1	0	2	0.01	1	0
Isosphaera	8	0.02	14	0.04	0	0	6	0.02	3	0.01
unclassified_Planctomycetaceae	900	2.44	947	2.57	49	0.13	238	0.65	128	0.35
unclassified_Desulfobacteraceae	26	0.07	15	0.04	2	0.01	6	0.02	9	0.02
Desulfosalsimonas	0	0	1	0	0	0	0	0	0	0
Spingopyxis	1530	4.16	245	0.67	54	0.15	529	1.44	51	0.14
Hydrogenophaga	0	0	0	0	0	0	1	0	0	0
Altererythrobacter	27	0.07	66	0.18	4	0.01	56	0.15	2	0.01
Elstera	1	0	1	0	1	0	0	0	0	0

unclassified_Methylobacteriaceae	13	0.04	8	0.02	0	0	3	0.01	6	0.02
Nannocystis	2	0.01	8	0.02	0	0	3	0.01	2	0.01
Motilibacter	0	0	1	0	0	0	0	0	0	0
Coxiella	7	0.02	16	0.04	1	0	7	0.02	9	0.02
Chlamydia	0	0	0	0	0	0	0	0	2	0.01
unclassified_Desulfobulbaceae	47	0.13	35	0.1	7	0.02	27	0.07	16	0.04
Bdellovibrio	83	0.23	52	0.14	1	0	13	0.04	12	0.03
Candidatus_Alysiosphaera	60	0.16	81	0.22	16	0.04	23	0.06	23	0.06
Arcticibacter	3	0.01	0	0	0	0	0	0	0	0
Perlucidibaca	1	0	4	0.01	1	0	221	0.6	0	0
Candidatus_Accumulibacter	1	0	9	0.02	0	0	12	0.03	0	0
Bryobacter	92	0.25	194	0.53	14	0.04	129	0.35	22	0.06
unclassified_Caldilineaceae	20	0.05	7	0.02	1	0	3	0.01	3	0.01
Aeromicrobium	35	0.1	240	0.65	6	0.02	340	0.92	33	0.09
unclassified_Peptococcaceae	92	0.25	62	0.17	5	0.01	25	0.07	15	0.04
unclassified_Xanthomonadales	24	0.07	169	0.46	13	0.04	194	0.53	23	0.06
unclassified_Planococcaceae	0	0	2	0.01	0	0	0	0	0	0
Sulfuritalea	0	0	2	0.01	0	0	0	0	0	0
Methylobacterium	7	0.02	56	0.15	1	0	4	0.01	8	0.02
unclassified_Chlamydiaceae	30	0.08	31	0.08	3	0.01	12	0.03	7	0.02
Chthoniobacter	115	0.31	198	0.54	4	0.01	63	0.17	24	0.07
unclassified_Acidobacteriaceae	183	0.5	366	0.99	35	0.1	243	0.66	98	0.27
Clostridium_sensu_stricto_6	0	0	0	0	0	0	0	0	2	0.01
unclassified_Sphingomonadaceae	0	0	0	0	0	0	6	0.02	0	0
Thermomonospora	0	0	3	0.01	1	0	3	0.01	0	0
unclassified_Verrucomicrobiaceae	19	0.05	34	0.09	5	0.01	18	0.05	5	0.01
Cellvibrio	8	0.02	0	0	0	0	2	0.01	0	0
Hymenobacter	3	0.01	0	0	0	0	0	0	0	0
Geobacter	177	0.48	303	0.82	12	0.03	398	1.08	48	0.13
Phycoccus	0	0	0	0	0	0	2	0.01	0	0
Fictibacillus	0	0	0	0	0	0	2	0.01	2	0.01
Defluviococcus	81	0.22	165	0.45	19	0.05	60	0.16	61	0.17
Aquabacterium	4	0.01	4	0.01	109	0.3	96	0.26	0	0
Planomicrobium	2	0.01	1	0	0	0	0	0	0	0
Owenweeksia	72	0.2	23	0.06	1	0	4	0.01	1	0
unclassified_Marinilabiaceae	6	0.02	3	0.01	0	0	0	0	0	0
Caldilinea	1	0	0	0	0	0	0	0	0	0
unclassified_Family	10	0.03	11	0.03	1	0	222	0.6	3	0.01
unclassified_Acetobacteraceae	13	0.04	10	0.03	8	0.02	2	0.01	1	0
Enhygromyxa	15	0.04	12	0.03	0	0	2	0.01	1	0
Sedimentibacter	0	0	1	0	0	0	7	0.02	0	0
Luteibacter	1	0	0	0	70	0.19	0	0	0	0
Pelobacter	23	0.06	20	0.05	2	0.01	22	0.06	2	0.01
Candidatus_Chloracidobacterium	21	0.06	15	0.04	0	0	11	0.03	1	0
Tepidamorphus	2	0.01	3	0.01	1	0	2	0.01	2	0.01
Candidatus_Odyssella	19	0.05	10	0.03	0	0	2	0.01	5	0.01
unclassified_Syntrophobacteraceae	28	0.08	30	0.08	4	0.01	34	0.09	15	0.04
unclassified_Halobacteroidaceae	0	0	0	0	0	0	1	0	0	0
Clostridium_sensu_stricto_3	0	0	2	0.01	0	0	1	0	7	0.02
Methylosinus	0	0	1	0	0	0	0	0	0	0
Aquamicrobium	0	0	2	0.01	0	0	0	0	0	0
Ferribacterium	17	0.05	10	0.03	0	0	0	0	0	0
Methylobacter	2	0.01	4	0.01	1	0	1	0	0	0
Panacagrionas	17	0.05	49	0.13	0	0	30	0.08	0	0
Acidiferrobacter	25	0.07	8	0.02	1	0	10	0.03	5	0.01
Candidatus_Brocadia	33	0.09	8	0.02	1	0	9	0.02	2	0.01
Methylbium	0	0	0	0	0	0	2	0.01	0	0
Chlorochromatium	3	0.01	2	0.01	0	0	0	0	0	0
Nitrincola	2	0.01	8	0.02	2	0.01	1	0	2	0.01
Variovorax	132	0.36	466	1.27	73	0.2	151	0.41	3	0.01
Desulfuromonas	41	0.11	31	0.08	2	0.01	41	0.11	3	0.01
Rhodococcus	1597	4.34	36	0.1	81	0.22	3293	8.94	635	1.72
Rhizobium	56	0.15	193	0.52	13	0.04	33	0.09	10	0.03
MSBL7	9	0.02	7	0.02	8	0.02	48	0.13	27	0.07
Cycloclasticus	24	0.07	9	0.02	3	0.01	5	0.01	1	0
Lutispora	0	0	7	0.02	2	0.01	208	0.56	1	0
Acidocella	2	0.01	0	0	0	0	0	0	0	0
Clostridium_sensu_stricto_16	0	0	1	0	0	0	0	0	1	0
Candidatus_Omnitrophus	9	0.02	6	0.02	0	0	1	0	1	0
Actinophytocola	4	0.01	2	0.01	1	0	0	0	1	0
Gordonia	0	0	1	0	0	0	0	0	1	0

HotSeep-1	1	0	2	0.01	0	0	2	0.01	1	0
unclassified_Cryomorpaceae	13	0.04	1	0	0	0	1	0	1	0
OM27_clade	46	0.12	34	0.09	1	0	5	0.01	4	0.01
Tatumella	0	0	0	0	1	0	0	0	6	0.02
Saccharospirillum	0	0	1	0	1	0	0	0	0	0
unclassified_Rhodospirillaceae	45	0.12	91	0.25	11	0.03	118	0.32	43	0.12
Meganema	3	0.01	4	0.01	2	0.01	1	0	3	0.01
Neochlamydia	24	0.07	43	0.12	5	0.01	16	0.04	16	0.04
Albidiferax	1	0	0	0	0	0	8	0.02	0	0
Diplorickettsia	15	0.04	0	0	0	0	1	0	0	0
Candidatus_Midichloria	0	0	0	0	0	0	1	0	0	0
Asticcacaulis	0	0	0	0	0	0	1	0	0	0
Turneriella	2	0.01	7	0.02	0	0	0	0	0	0
Terribacillus	0	0	1	0	0	0	0	0	0	0
unclassified_Legionellaceae	0	0	3	0.01	0	0	0	0	0	0
Angiococcus	2	0.01	2	0.01	1	0	1	0	0	0
Azotobacter	0	0	0	0	2	0.01	0	0	4	0.01
Afifella	1	0	1	0	0	0	0	0	0	0
Nitrobacter	5	0.01	36	0.1	4	0.01	8	0.02	1	0
Stanieria	1	0	1	0	0	0	3	0.01	1	0
Devosia	20	0.05	47	0.13	2	0.01	8	0.02	2	0.01
Nitrosospira	0	0	1	0	0	0	0	0	0	0
Idiomarina	11	0.03	6	0.02	0	0	14	0.04	3	0.01
unclassified_Veillonellaceae	1	0	7	0.02	0	0	0	0	0	0
Niastella	4	0.01	7	0.02	0	0	7	0.02	2	0.01
Dehalococcoides	0	0	1	0	0	0	0	0	0	0
Sediminibacterium	1	0	8	0.02	1	0	4	0.01	4	0.01
Thermincola	1	0	1	0	0	0	1	0	0	0
Cohnella	3	0.01	1	0	2	0.01	0	0	6	0.02
Stella	5	0.01	5	0.01	1	0	4	0.01	0	0
Lactobacillus	0	0	1	0	0	0	0	0	3	0.01
Geopsychrobacter	1	0	0	0	0	0	0	0	0	0
Alicyclobacillus	0	0	1	0	0	0	1	0	0	0
Desulfovibrio	18	0.05	17	0.05	38	0.1	172	0.47	123	0.33
possible_genus_04	3	0.01	0	0	0	0	0	0	1	0
Ancylobacter	0	0	0	0	1	0	0	0	0	0
Alkanindiges	1	0	0	0	4	0.01	13	0.04	0	0