Bacterial community of shrimps during cold storage

16S rRNA gene metabarcoding (NGS): relative abundance data

1. Dataset description

The bacterial community of shrimps stored at refrigeration temperatures was analysed by next-generation sequencing (NGS) of the 16S rRNA gene. Samples were analysed at the start of storage and after storage for 2, 4 and 5 days at 0 °C and for 1 and 2 days at 4 °C. Sequences were clustered into operational taxonomic units (OTUs) and assigned taxonomically with the SILVA database. Relative abundances are expressed as the percentage of reads assigned to each taxon out of the total reads of each sample.

Matrix Shrimps, cold storage (0 °C and 4 °C)
Samples 6 (one per storage condition)
Marker 16S rRNA gene (bacteria)
Taxonomy SILVA reference database
Sequencing data 465,369 reads; 4,026 OTUs

Table 1. Samples

Code	Storage condition	Description
D0	Day 0	Shrimps collected and stored at 0 °C (start of storage)
D2 0°C	Day 2, 0 °C	Stored for 2 days at 0 °C
D4 0°C	Day 4, 0 °C	Stored for 4 days at 0 °C
D5 0°C	Day 5, 0 °C	Stored for 5 days at 0 °C
D1 4°C	Day 1, 4 °C	Stored for 1 day at 4 °C
D2 4°C	Day 2, 4 °C	Stored for 2 days at 4 °C

2. Sequencing summary and alpha diversity

Table 2. Sequencing statistics and alpha diversity of the bacterial community

Parameter	D0	D2 0°C	D4 0°C	D5 0°C	D1 4°C	D2 4°C
Number of reads	45,708	89,715	110,737	57,215	86,563	75,431
Observed OTUs (non-rarefied)	1,339	2,847	617	839	1,140	799
Observed OTUs*	1,339	2,396	402	752	888	639
Chao1*	1,472	3,060	734	1,313	1,344	1,062
Shannon index (H')*	4.54	4.84	1.51	2.58	2.85	2.32
Simpson index (1 − D)*	0.968	0.967	0.604	0.831	0.826	0.796
Good's coverage*	0.994	0.981	0.996	0.992	0.992	0.993

** Calculated after rarefaction to 45,708 reads per sample (mean of 20 iterations). D = day of storage.*

3. Taxonomic composition

Table 3. Relative abundance (%) of reads by domain

Domain	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)
Bacteria	99.65	98.64	99.02	99.23	98.94	99.02
Unassigned	0.34	1.36	0.98	0.77	1.06	0.98
Archaea	<0.01	0	0	0	0	0

Table 4. Relative abundance (%) of bacterial phyla

Phylum	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)
Proteobacteria	68.32	66.84	35.18	65.17	65.47	50.03
Firmicutes	9.09	20.33	63.32	33.29	32.17	48.68
Tenericutes	10.72	0.04	0.02	0.02	0.03	0.04
Actinobacteria	5.38	3.29	0.41	0.59	0.53	0.18
Unassigned	0.34	1.36	0.98	0.77	1.06	0.98
Bacteroidetes	1.14	3.23	0.02	0.04	0.38	0.06
Cyanobacteria	2.56	1.17	0.03	0.03	0.19	0.02
Saccharibacteria	0.58	1.42	0.02	0.02	0.05	<0.01
Planctomycetes	0.83	0.76	<0.01	0.02	0.04	<0.01
Deinococcus-Thermus	0.17	0.87	<0.01	0.01	<0.01	<0.01
Verrucomicrobia	0.21	0.12	<0.01	<0.01	0.06	0
Chloroflexi	0.21	0.17	<0.01	<0.01	<0.01	<0.01
Chlamydiae	0.11	0.14	0	0	<0.01	0
Acidobacteria	0.08	0.07	0	0	<0.01	<0.01
Gemmatimonadetes	0.04	0.08	<0.01	0	<0.01	0
TM6 (Dependentiae)	0.05	0.02	0	0	0.01	0
Aminicenantes	0.06	0	0	0	0	0
Parcubacteria	0.01	0.03	0	<0.01	0	0
Peregrinibacteria	0.01	0.02	0	0	0	0
Spirochaetae	0.02	0	0	0	0	0
Gracilibacteria	0.02	0	0	0	0	<0.01
Armatimonadetes	<0.01	0.01	0	0	0	0
Others (<0.01% in every sample; n = 8)	0.03	0.02	0	<0.01	<0.01	<0.01

Table 5. Relative abundance (%) of bacterial families (≥ 0.5% in at least one sample)

Family	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)
Moraxellaceae	13.75	22.52	34.21	63.03	52.71	48.08
Carnobacteriaceae	1.70	9.22	62.45	29.91	20.64	41.28
Vibrionaceae	23.57	0.12	<0.01	0.02	0.01	0.48
Pseudomonadaceae	0.33	7.26	0.59	0.72	11.35	0.64
Comamonadaceae	6.33	9.57	0.09	0.21	0.16	0.09
Caulobacteraceae	7.69	3.49	0.12	0.37	0.10	0.08
Unclassified *Entomoplasmatales*	10.00	<0.01	<0.01	<0.01	0.03	0.04
Enterococcaceae	0.04	0.04	0.56	1.98	1.88	5.41
Xanthomonadaceae	1.17	7.25	0.02	0.22	0.19	0.27
Bacillaceae	0.32	6.91	0.01	0.26	0.03	0.05

Family	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)
Oxalobacteraceae	2.71	3.60	0.03	0.09	0.07	0.04
Micrococcaceae	4.08	0.55	0.38	0.52	0.43	0.16
Unassigned	0.34	1.36	0.98	0.77	1.06	0.98
Family XII	0.13	0.02	0.10	0	4.36	0.02
Lactobacillaceae	4.32	0.14	0.01	<0.01	0.11	0.03
Rhodobacteraceae	1.37	2.81	0.03	0.04	0.06	0.02
Planococcaceae	0.19	3.29	0.07	0.28	0.34	0.06
Rhizobiaceae	1.44	2.40	0.01	0.07	0.10	0.05
Sphingomonadaceae	1.72	2.09	0.02	0.05	0.05	<0.01
Aerococcaceae	0.19	0.21	0.03	0.14	2.64	0.36
Methylobacteriaceae	1.33	1.74	0.02	0.09	0.03	0.02
Staphylococcaceae	0.03	0.17	<0.01	0.32	1.93	0.49
Sphingobacteriaceae	0.44	2.02	<0.01	0.03	0.34	0.04
FamilyI	1.62	0.53	0.02	0.01	0.14	0.01
Unclassified *Saccharibacteria*	0.58	1.42	0.02	0.02	0.05	<0.01
Legionellaceae	2.03	<0.01	<0.01	<0.01	<0.01	0.02
Beijerinckiaceae	1.64	0.05	0	0.02	<0.01	<0.01
Planctomycetaceae	0.82	0.74	<0.01	0.02	0.04	<0.01
Unclassified *Chloroplast*	0.89	0.56	0.01	0.02	0.04	<0.01
Nocardioidaceae	0.37	1.04	<0.01	0.02	0.02	<0.01
Defluviitaleaceae	1.41	0	0	0	0	0
Listeriaceae	0	0	0	0.27	0.06	0.65
Flavobacteriaceae	0.32	0.61	<0.01	<0.01	0.02	0.01
Deinococcaceae	0.17	0.71	<0.01	0.01	<0.01	<0.01
Unclassified *Rickettsiales*	0.17	0.67	<0.01	0.01	0.02	0
Chitinophagaceae	0.22	0.51	<0.01	<0.01	0.01	<0.01
Mycoplasmataceae	0.70	0.04	0.01	0.01	<0.01	0
Others (<0.5% in every sample; n = 198)	5.85	6.33	0.15	0.43	0.97	0.60

Appendix A. Bacterial genera: complete abundance data

Relative abundance (%) and number of reads per genus. "Unclassified" denotes OTUs not assigned at genus level; the lowest assigned rank is given. "Unassigned" denotes OTUs not assigned to any domain.

Table A1. Bacterial genera

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Psychrobacter	8.05	20.92	34.00	57.74	52.55	47.99	3,680	18,767	37,647	33,034	45,486	36,197
Carnobacterium	1.64	8.70	62.45	29.83	20.53	41.16	750	7,804	69,150	17,068	17,773	31,048
Pseudomonas	0.33	7.26	0.59	0.72	11.35	0.64	152	6,516	652	412	9,821	481
Photobacterium	17.99	0.08	<0.01	<0.01	0	0.20	8,221	72	7	5	0	150
Acinetobacter	5.21	0.95	0.20	5.29	0.15	0.08	2,380	850	227	3,025	126	63
Delftia	4.15	6.71	0.05	0.12	0.08	0.04	1,899	6,018	60	69	66	27
Candidatus Hepatoplasma	10.00	<0.01	<0.01	<0.01	0.03	0.04	4,573	3	9	3	22	28
Vagococcus	0.04	0.03	0.56	1.96	1.86	5.35	19	30	622	1,120	1,607	4,033
Stenotrophomonas	1.06	6.96	0.02	0.21	0.18	0.27	485	6,246	19	122	155	200
Brevundimonas	6.49	1.50	0.10	0.33	0.06	0.06	2,965	1,343	109	188	52	44
Bacillus	0.31	6.88	0.01	0.26	0.03	0.05	143	6,170	12	147	26	38
Vibrio	5.41	0.03	<0.01	<0.01	0.01	0.21	2,474	29	1	3	11	162
Unassigned	0.34	1.36	0.98	0.77	1.06	0.98	155	1,218	1,088	442	917	740
Exiguobacterium	0.11	0.02	0.10	0	4.36	0.02	48	22	113	0	3,771	17
Lactobacillus	4.32	0.14	0.01	<0.01	0.11	0.03	1,973	123	12	3	93	20
Paucimonas	1.55	2.21	0.01	0.06	0.05	0.02	707	1,980	16	33	41	15
Planococcus	0.11	3.17	0.03	0.26	0.17	0.05	51	2,844	28	151	150	39
Rhizobium	0.95	2.31	<0.01	0.06	0.06	0.04	436	2,074	8	34	55	29
Aerococcus	0.10	0.18	0.02	0.11	2.63	0.34	46	165	24	65	2,274	257
Glutamicibacter	2.61	0.17	0.09	0.06	0.17	0.06	1,195	155	103	32	149	45
Sphingomonas	0.99	1.52	0.02	0.04	0.03	<0.01	454	1,361	18	21	30	6
Sphingobacterium	0.12	2.02	0	0.02	0.14	0.03	57	1,810	0	12	118	24
Arthrobacter	1.26	0.12	0.22	0.42	0.18	0.08	577	109	242	241	157	58
Unclassified *Methylobacteriaceae*	0.81	1.27	0.02	0.02	0.02	0.01	368	1,140	17	11	17	9
Phenylobacterium	0.81	1.25	0.01	0.02	0.03	0.01	371	1,123	13	12	25	8
Unclassified *Saccharibacteria*	0.58	1.42	0.02	0.02	0.05	<0.01	265	1,277	25	14	42	3
Staphylococcus	<0.01	0.09	<0.01	0.27	1.44	0.21	3	77	8	154	1,249	160
Legionella	1.93	<0.01	<0.01	<0.01	<0.01	0.02	880	3	1	5	1	12
Rubellimicrobium	0.54	1.22	<0.01	0.01	0.02	<0.01	245	1,096	10	8	14	3
Acidovorax	0.49	1.20	<0.01	0.04	0.02	0.04	225	1,073	10	22	19	27
Synechococcus	1.62	<0.01	<0.01	0	0.12	<0.01	739	3	3	0	106	6
Camelimonas	1.60	0.02	0	0.02	<0.01	<0.01	732	21	0	9	2	1
Noviherbaspirillum	0.68	0.91	<0.01	0.02	0.01	0.01	313	813	5	12	11	9
Unclassified *Chloroplast*	0.89	0.56	0.01	0.02	0.04	<0.01	405	505	16	11	38	6
Nocardioides	0.37	1.04	<0.01	0.02	0.02	<0.01	171	932	8	9	19	3
Defluviitaleaceae UCG-011	1.41	0	0	0	0	0	645	0	0	0	0	0
Paracoccus	0.40	0.74	<0.01	0.01	0.02	0.01	181	668	9	7	21	9
Aquabacterium	0.56	0.58	<0.01	0.02	<0.01	<0.01	256	523	8	12	5	4
Unclassified *Caulobacteraceae*	0.39	0.74	<0.01	0.02	<0.01	0.01	178	660	7	11	8	11
Pannonibacter	0.38	0.74	<0.01	0.01	0.02	<0.01	175	664	11	7	15	5
Enhydrobacter	0.46	0.64	<0.01	<0.01	<0.01	<0.01	211	575	9	3	4	2
Brochothrix	0	0	0	0.27	0.06	0.65	0	0	0	155	48	494
Jeotgalicoccus	0.02	0.08	<0.01	0.05	0.46	0.28	10	71	2	29	399	209
Deinococcus	0.17	0.68	<0.01	0.01	<0.01	<0.01	77	607	3	7	5	1
Alishewanella	0.26	0.49	<0.01	0.01	<0.01	<0.01	117	442	7	8	4	5
Tepidimonas	0.40	0.31	<0.01	0.02	<0.01	<0.01	182	278	11	12	5	2
Candidatus Odyssella	0.11	0.58	0	<0.01	0.02	0	51	520	0	5	15	0

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Massilia	0.39	0.30	<0.01	0.01	<0.01	<0.01	176	270	8	8	4	4
Flavobacterium	0.12	0.55	<0.01	0	0.02	<0.01	57	494	3	0	14	3
Novosphingobium	0.25	0.43	<0.01	<0.01	<0.01	<0.01	112	386	4	3	1	1
Methylobacterium	0.35	0.25	<0.01	0.06	0.01	<0.01	162	222	3	36	10	4
Trichococcus	0.05	0.41	<0.01	0.06	0.06	0.07	22	367	6	37	53	52
Candidatus Bacilloplasma	0.56	0.03	<0.01	<0.01	<0.01	0	258	26	11	4	1	0
Enterobacter	0.04	0.01	<0.01	0.03	0.40	0.10	20	11	2	15	345	72
Flavisolibacter	0.16	0.39	<0.01	<0.01	<0.01	<0.01	74	351	7	3	8	3
Ensifer	0.43	0.07	<0.01	<0.01	0.02	0.01	196	61	6	4	19	8
Unclassified *Planctomycetaceae*	0.30	0.19	<0.01	0.01	0.02	<0.01	137	168	2	7	16	1
Ramlibacter	0.21	0.29	<0.01	<0.01	<0.01	<0.01	98	257	3	2	8	2
Nubsella	0.30	0	<0.01	<0.01	0.21	<0.01	135	0	6	5	179	1
Unclassified *Lactobacillales*	0	0.11	0.02	0.08	0.06	0.22	0	103	21	48	51	163
Chroogloeocystis	0	0.49	0	0	0	0	0	440	0	0	0	0
Comamonas	0.17	0.28	<0.01	<0.01	<0.01	<0.01	78	247	4	3	8	3
Unclassified *Alphaproteobacteria*	0.13	0.30	<0.01	0.01	<0.01	<0.01	61	273	1	7	1	3
Sphingobium	0.45	<0.01	0	0	0	0	204	4	0	0	0	0
Mycobacterium	0.02	0.39	<0.01	<0.01	0.02	<0.01	7	348	3	3	21	1
Unclassified *OM1 clade*	0.17	0.23	<0.01	<0.01	<0.01	0	77	209	2	4	4	0
Azospirillum	0.19	0.20	<0.01	<0.01	<0.01	<0.01	86	182	3	1	2	1
Microvirga	0.16	0.21	<0.01	<0.01	<0.01	<0.01	75	191	2	4	1	2
Pleomorphomonas	0.15	0.21	<0.01	0.01	<0.01	0	67	191	2	7	2	0
Lysobacter	0.10	0.23	<0.01	<0.01	<0.01	<0.01	45	207	1	1	4	2
Pir4 lineage	0.12	0.19	0	<0.01	<0.01	0	57	172	0	1	2	0
Kocuria	0.03	0.19	<0.01	0.03	0.05	0.01	12	166	5	19	45	10
Arcobacter	0.31	0	0	0	0	0	141	0	0	0	0	0
Blastococcus	0.06	0.21	<0.01	<0.01	<0.01	<0.01	29	189	1	2	4	2
Unclassified *Oxalobacteraceae*	0.09	0.18	<0.01	<0.01	<0.01	<0.01	41	162	1	1	6	1
Devosia	0.12	0.13	<0.01	<0.01	0.01	<0.01	55	121	3	3	10	1
Blastopirellula	0.16	0.09	<0.01	<0.01	0.01	<0.01	71	82	2	2	11	1
Achromobacter	0.02	0.16	0	0.05	0.03	0	10	142	0	28	30	0
Aliivibrio	0.18	<0.01	0	<0.01	<0.01	0.06	80	6	0	5	1	48
Unclassified *Hyphomicrobiaceae*	0.13	0.11	<0.01	<0.01	<0.01	<0.01	61	96	1	3	3	1
Planctomyces	0.12	0.11	0	<0.01	<0.01	0	56	95	0	1	1	0
Unclassified *Rhodospirillaceae*	0.09	0.13	<0.01	<0.01	<0.01	<0.01	41	117	3	1	1	1
Unclassified *Comamonadaceae*	0.05	0.15	<0.01	0	0.03	<0.01	22	132	1	0	24	1
Unclassified *Aurantimonadaceae*	0.08	0.14	0	<0.01	<0.01	0	35	122	0	3	4	0
Paeniglutamicibacter	0.15	0.01	0.02	<0.01	0.02	<0.01	68	11	20	5	17	4
Microbacterium	0.05	0.12	<0.01	<0.01	0.01	<0.01	21	110	2	3	9	3
Variovorax	0.18	<0.01	0	<0.01	<0.01	0	81	2	0	1	6	0
Romboutsia	0.16	0.01	<0.01	<0.01	<0.01	<0.01	72	13	1	2	3	2
Domibacillus	0	<0.01	0.02	0	0.16	<0.01	0	1	20	0	139	2
Unclassified *LR A2-29*	0.17	0	0	<0.01	<0.01	<0.01	77	0	0	1	1	1
Desemzia	0.01	0.07	<0.01	0.01	0.04	0.04	5	63	2	6	36	28
Roseomonas	0.04	0.13	<0.01	<0.01	<0.01	<0.01	16	113	1	1	3	2
Blastomonas	0.03	0.13	<0.01	<0.01	<0.01	0	13	114	1	2	7	0
Unclassified *Rhodobiaceae*	0.09	0.06	<0.01	<0.01	0	<0.01	43	56	1	4	0	1
Unclassified *Verrucomicrobiaceae*	0.08	0.05	0	<0.01	0.03	0	38	41	0	3	26	0
Frigoribacterium	0.13	0.02	<0.01	<0.01	<0.01	0	61	18	5	2	2	0
Pseudoalteromonas	0.03	0.05	0	<0.01	0	0.08	13	41	0	3	0	61
Cnuella	0.05	0.11	<0.01	<0.01	<0.01	0	22	97	1	1	1	0
Clostridium sensu stricto 1	0.15	0	0	<0.01	<0.01	<0.01	70	0	0	1	3	1
Chryseobacterium	0.12	0.02	<0.01	<0.01	<0.01	<0.01	56	20	3	1	6	2

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Candidatus Hepatincola	0.06	0.09	<0.01	<0.01	<0.01	0	28	81	1	3	1	0
Truepera	0	0.16	0	0	0	0	0	141	0	0	0	0
Patulibacter	0.04	0.10	<0.01	<0.01	<0.01	0	20	94	1	1	2	0
Unclassified *Bacillales*	0	0	0	0.03	0.02	0.10	0	0	0	16	19	78
Aerosphaera	0.08	0.01	<0.01	0.02	0.01	0.02	38	10	5	10	10	16
Pseudorhodoferax	0.11	0.04	0	0	0	<0.01	49	34	0	0	0	1
Unclassified *Mycoplasmataceae*	0.13	<0.01	<0.01	<0.01	<0.01	0	60	5	1	2	1	0
Propionibacterium	0.05	0.08	<0.01	<0.01	<0.01	<0.01	22	70	2	4	1	3
Ornithinimicrobium	0.04	0.09	<0.01	0	<0.01	0	16	84	5	0	4	0
Escherichia-Shigella	0.02	0.08	<0.01	<0.01	0.01	<0.01	11	76	1	5	9	2
Unclassified *Caldilineaceae*	0.06	0.06	0	<0.01	<0.01	0	26	56	0	2	2	0
Shewanella	0.12	<0.01	0	0	0	<0.01	53	4	0	0	0	2
Aureimonas	0.02	0.09	0	0	0.01	0	9	77	0	0	10	0
Rhabdobacter	0.05	0.06	0	0	0	0	25	54	0	0	0	0
Unclassified *Anaerolineaceae*	0.06	0.05	0	<0.01	0	<0.01	28	41	0	2	0	1
Rubritalea	0.06	0.05	<0.01	0	0	0	28	44	1	0	0	0
Bosea	0.09	<0.01	0	<0.01	<0.01	<0.01	41	6	0	3	6	1
Unclassified *Rhodobacteraceae*	0.02	0.09	0	0	<0.01	<0.01	8	78	0	0	2	1
Rhodopirellula	0.04	0.07	0	0	0	0	16	63	0	0	0	0
Unclassified *Legionellaceae*	0.11	0	0	0	0	0	48	0	0	0	0	0
Mesorhizobium	0.06	0.04	<0.01	<0.01	<0.01	<0.01	26	35	1	1	4	1
Rothia	<0.01	0.05	0.04	<0.01	<0.01	<0.01	2	45	43	2	3	1
Chryseomicrobium	0.03	0.07	0	0	<0.01	<0.01	13	59	0	0	1	1
Rubripirellula	0.07	0.02	<0.01	0	<0.01	<0.01	30	21	1	0	3	1
Unclassified *Erythrobacteraceae*	0.03	0.06	0	<0.01	<0.01	0	12	57	0	2	1	0
Williamsia	0	0.09	0	0	0	0	0	82	0	0	0	0
Muricoccus	0.03	0.06	<0.01	0	0	0	13	51	1	0	0	0
Rheinheimera	0.03	0.05	0	0	0	<0.01	14	48	0	0	0	1
Solibacillus	0.03	<0.01	0.03	0.01	<0.01	<0.01	12	4	31	7	3	4
Unclassified *7B-8*	0.03	0.04	0	0	<0.01	0	15	40	0	0	1	0
Unclassified *TM6 (Dependentiae)*	0.05	0.02	0	0	0.01	0	22	17	0	0	9	0
Yonghaparkia	0.02	0.05	0	<0.01	<0.01	<0.01	9	48	0	1	1	1
Bythopirellula	0.01	0.06	0	<0.01	<0.01	0	5	52	0	3	2	0
Enterococcus	0	<0.01	0	0.01	0.01	0.05	0	2	0	8	11	35
Unclassified *Flammeovirgaceae*	0.07	<0.01	0	0	0	0	32	3	0	0	0	0
Peredibacter	0.04	0.03	0	0	0	0	17	31	0	0	0	0
Chelatococcus	0.04	0.03	0	0	<0.01	0	19	25	0	0	2	0
Salinarimonas	0.03	0.04	<0.01	<0.01	0	0	14	34	1	1	0	0
Unclassified *Betaproteobacteria*	<0.01	0.06	0	0	<0.01	0	1	58	0	0	1	0
Peptoclostridium	0.01	<0.01	0.05	<0.01	<0.01	0	6	3	52	1	2	0
Prosthecobacter	0.03	0	0	<0.01	0.03	0	13	0	0	2	30	0
Rubritepida	0.03	0.03	0	0	<0.01	0	14	30	0	0	1	0
Paeniclostridium	0.04	0.02	0	0	0	0	19	21	0	0	0	0
Unclassified *Xanthomonadaceae*	0.01	0.05	<0.01	0	<0.01	<0.01	5	45	1	0	1	1
Brachybacterium	0.04	0.01	<0.01	<0.01	<0.01	0	18	9	3	2	6	0
Shinella	0.04	<0.01	0	0	0.01	<0.01	20	6	0	0	9	1
Unclassified *Clostridiales vadinBB60 group*	0.06	0	0	0	0	0	28	0	0	0	0	0
Unclassified *Acidimicrobiales*	0.03	0.03	0	0	0	0	15	25	0	0	0	0
Unclassified *Carnobacteriaceae*	0	0.04	<0.01	<0.01	<0.01	<0.01	0	33	2	2	7	7
Paenibacillus	0.04	0.02	0	0	0	0	18	18	0	0	0	0
Prochlorococcus	<0.01	<0.01	0.01	0.01	0.02	<0.01	2	5	14	6	19	3
Unclassified *KD4-96*	0.04	0.02	0	<0.01	0	0	19	14	0	1	0	0
Turicibacter	0.05	<0.01	<0.01	0	0	0	23	6	1	0	0	0

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Gemmatirosa	0.01	0.04	0	0	0	0	6	40	0	0	0	0
Unclassified *Aminicenantes*	0.06	0	0	0	0	0	26	0	0	0	0	0
Unclassified *ML635J-21*	0.01	0.04	0	0	<0.01	0	6	37	0	0	1	0
Weissella	0	0	0	0	0.06	0	0	0	0	0	48	0
Unclassified *Gammaproteobacteria*	0.02	0.01	<0.01	<0.01	<0.01	<0.01	7	12	3	5	6	6
Streptococcus	0.04	0.02	<0.01	0	<0.01	0	16	16	1	0	1	0
Unclassified *Sphingomonadales*	0.03	0.02	<0.01	0	<0.01	0	12	21	1	0	3	0
Unclassified *Enterobacteriaceae*	<0.01	<0.01	0	0	0.03	<0.01	3	3	0	0	30	6
Coxiella	0.03	0.02	0	0	0	0	15	17	0	0	0	0
Bdellovibrio	<0.01	0.04	0	0	<0.01	0	2	39	0	0	3	0
Ralstonia	0	0.05	0	0	0	0	0	46	0	0	0	0
Unclassified *Subgroup 9*	0.03	0.02	0	0	0	<0.01	15	15	0	0	0	1
Unclassified *OPB41*	0.02	0.03	0	0	0	0	11	24	0	0	0	0
Unclassified *Simkaniaceae*	0.01	0.03	0	0	0	0	6	31	0	0	0	0
Unclassified *Clostridiaceae 1*	<0.01	0.04	0	0	0	0	4	34	0	0	0	0
Unclassified *NB1-j*	0.04	<0.01	0	<0.01	0	0	16	8	0	1	0	0
Geodermatophilus	<0.01	0.04	0	0	0	0	1	38	0	0	0	0
Unclassified *JG30-KF-CM45*	0.01	0.03	0	0	0	0	6	28	0	0	0	0
Rhodocista	0.02	0.03	0	0	<0.01	0	7	24	0	0	1	0
Lactococcus	0	0	0	0.01	0.03	<0.01	0	0	0	6	27	1
Oceanisphaera	0.04	0	0	0	0	<0.01	19	0	0	0	0	1
Unclassified *Longimicrobiaceae*	0.02	0.02	<0.01	0	<0.01	0	7	22	1	0	1	0
Unclassified *Sva0996 marine group*	0.02	0.02	0	0	<0.01	0	11	14	0	0	1	0
Unclassified *MD3-55*	0.04	0	0	0	0	<0.01	18	0	0	0	0	1
Unclassified *Parcubacteria*	0.01	0.03	0	<0.01	0	0	6	23	0	1	0	0
Unclassified *Deinococcaceae*	<0.01	0.04	0	0	<0.01	0	1	32	0	0	2	0
Filomicrobium	0.02	0.01	<0.01	<0.01	0	0	11	10	1	2	0	0
Unclassified *Parachlamydiaceae*	0.02	0.02	0	0	0	0	8	19	0	0	0	0
Neorhizobium	0.02	0.02	0	<0.01	0	<0.01	8	16	0	1	0	1
Limnobacter	0.04	<0.01	0	<0.01	0	0	16	1	0	1	0	0
Unclassified *Elev-16S-1332*	0.01	0.02	0	0	0	0	6	22	0	0	0	0
Corynebacterium 1	0	0.03	0	<0.01	<0.01	<0.01	0	28	0	2	1	1
Candidatus Protochlamydia	0.02	0.02	0	0	<0.01	0	7	16	0	0	3	0
Alkanindiges	0.02	0.01	0	0	<0.01	0	11	9	0	0	1	0
Rhodococcus	0.03	<0.01	0	<0.01	<0.01	<0.01	13	2	0	1	1	1
Unclassified *Subgroup 17*	0.01	0.02	0	0	<0.01	0	5	20	0	0	1	0
Rhodopseudomonas	0.02	0	0	0.01	0	0	9	0	0	8	0	0
Skermanella	<0.01	0.03	0	0	<0.01	<0.01	1	24	0	0	2	1
Planomicrobium	0	0.03	0	0	0	0	0	29	0	0	0	0
Unclassified *Burkholderiales*	0	0.03	0	<0.01	0	0	0	27	0	1	0	0
Unclassified *Enterococcaceae*	0	0	0	<0.01	0.01	0.01	0	0	0	3	11	10
Azorhizobium	0.02	<0.01	0	0	0	0	10	8	0	0	0	0
Unclassified *DEV007*	0.01	0.02	0	0	0	0	5	17	0	0	0	0
Unclassified *Candidatus Peribacteria*	0.01	0.02	0	0	0	0	6	15	0	0	0	0
Dolichomastix tenuilepis	0.02	<0.01	0	<0.01	<0.01	0	10	3	0	1	2	0
Gloeocalita	0	0.03	0	0	0	0	0	26	0	0	0	0
Marinococcus	<0.01	0.02	0	0	0	0	2	22	0	0	0	0
Unclassified *ODP1230B8.23*	0.02	<0.01	0	0	0	0	11	4	0	0	0	0
Fusibacter	0.03	0	0	0	0	0	13	0	0	0	0	0
Sulfurospirillum	0.03	0	0	0	0	0	13	0	0	0	0	0
Marinifilum	0.03	0	0	0	0	0	13	0	0	0	0	0
Pedobacter	0.02	<0.01	0	0	0	<0.01	10	2	0	0	0	3
Waddlia	<0.01	0.02	0	0	0	0	3	19	0	0	0	0

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Streptomyces	0.02	<0.01	0	0	<0.01	0	8	7	0	0	2	0
Unclassified *Chlamydiales*	0.02	0.01	0	0	0	0	7	11	0	0	0	0
Unclassified *Flavobacteriaceae*	0.02	<0.01	0	0	0	0	9	7	0	0	0	0
Pseudarthrobacter	0.02	<0.01	<0.01	0	0	0	9	4	3	0	0	0
Unclassified *Gaiellales*	0.01	0.01	0	0	0	0	6	12	0	0	0	0
Leucobacter	0.02	0	<0.01	<0.01	0	<0.01	9	0	1	1	0	2
Pseudochrobactrum	0	0	0	0	0.02	0	0	0	0	0	21	0
Pseudahrensia	0.02	<0.01	0	0	0	0	9	4	0	0	0	0
Spirochaeta 2	0.02	0	0	0	0	0	11	0	0	0	0	0
Unclassified *Family XIII*	0.02	0	0	0	0	0	11	0	0	0	0	0
Dietzia	<0.01	0.02	0	<0.01	0	0	3	14	0	1	0	0
Unclassified *Gracilibacteria*	0.02	0	0	0	0	<0.01	10	0	0	0	0	1
Unclassified *Subgroup 21*	0.01	0.01	0	0	0	0	5	11	0	0	0	0
Belnapia	0	0.02	0	0	0	0	0	20	0	0	0	0
Unclassified *Staphylococcaceae*	0	0	0	0	0.02	0	0	0	0	0	19	0
Unclassified *JTB255 marine benthic group*	0.02	<0.01	0	0	0	0	9	2	0	0	0	0
Unclassified *Sva0725*	0.02	<0.01	0	0	0	0	9	2	0	0	0	0
Unclassified *NB1-n*	0.02	<0.01	0	0	0	0	9	2	0	0	0	0
Unclassified *Chitinophagaceae*	<0.01	0.01	0	<0.01	0	0	4	10	0	1	0	0
Agaricicola	<0.01	0.01	0	0	0	0	3	13	0	0	0	0
Unclassified *Fimbriimonadaceae*	<0.01	0.01	0	0	0	0	4	11	0	0	0	0
Unclassified *Bacilli*	0	<0.01	<0.01	<0.01	<0.01	0	0	5	10	3	1	0
Gramella	<0.01	0.02	0	0	0	0	2	14	0	0	0	0
Lysinibacillus	<0.01	0.01	0	0	0	0	3	12	0	0	0	0
Cellvibrio	<0.01	<0.01	0	<0.01	<0.01	0	1	8	0	1	6	0
Unclassified *Peptococcaceae*	0.02	<0.01	0	0	0	0	8	2	0	0	0	0
Roseobacter	0.02	<0.01	<0.01	0	0	0	8	1	1	0	0	0
Unclassified *Lachnospiraceae*	0.01	<0.01	0	0	0	0	6	5	0	0	0	0
Sporosarcina	0.02	<0.01	0	0	0	0	7	3	0	0	0	0
Ruegeria	0.01	<0.01	0	<0.01	0	0	6	3	0	1	0	0
Unclassified *Nitrosomonadaceae*	0	0.02	0	0	0	0	0	16	0	0	0	0
Parachlamydia	<0.01	0.01	0	0	0	0	3	10	0	0	0	0
Unclassified *Phyllobacteriaceae*	0.01	<0.01	0	0	0	0	6	4	0	0	0	0
Unclassified *Chlamydiaceae*	0.01	<0.01	0	0	0	0	6	4	0	0	0	0
Tepidibacter	0.02	0	0	0	0	0	8	0	0	0	0	0
Unclassified *Rickettsiaceae*	0.02	0	0	0	0	0	8	0	0	0	0	0
Unclassified *Aerococcaceae*	<0.01	<0.01	0	<0.01	<0.01	<0.01	1	2	0	3	4	2
Psychroglaciecola	<0.01	<0.01	0	0	0	0	4	7	0	0	0	0
Unclassified *PAUC43f marine benthic group*	0.01	<0.01	0	0	0	0	5	5	0	0	0	0
Cocleimonas	0.02	0	<0.01	0	0	0	7	0	1	0	0	0
Cupriavidus	0	0.02	0	0	0	0	0	14	0	0	0	0
Finegoldia	0	0.02	0	0	0	0	0	14	0	0	0	0
Pantoea	0.01	0	0	0	<0.01	0	5	0	0	0	4	0
Unclassified *X35*	<0.01	<0.01	0	0	0	0	4	6	0	0	0	0
Tissierella	0.01	<0.01	0	0	0	0	5	4	0	0	0	0
Unclassified *AKYG937*	0.01	<0.01	0	0	0	0	5	4	0	0	0	0
Candidatus Fritschea	0.01	<0.01	0	0	0	0	5	4	0	0	0	0
Ilumatobacter	0.01	<0.01	0	0	0	0	5	4	0	0	0	0
Moraxella	0	0	0	<0.01	<0.01	<0.01	0	0	0	2	8	2
Methylotenera	0.01	<0.01	0	0	0	0	6	2	0	0	0	0
Pseudonocardia	0.01	<0.01	0	0	0	0	6	2	0	0	0	0
Unclassified *FCPS473*	0.02	0	0	0	0	0	7	0	0	0	0	0
Colubraria reticulata	0.01	0	<0.01	0	<0.01	0	6	0	1	0	1	0

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Aquibacter	<0.01	<0.01	<0.01	0	0	0	2	6	4	0	0	0
Aminobacter	<0.01	<0.01	0	<0.01	0	0	3	4	0	2	0	0
Cohaesibacter	0.01	<0.01	0	0	<0.01	0	5	2	0	0	1	0
Unclassified *S085*	0.01	<0.01	0	0	0	0	5	3	0	0	0	0
Singulisphaera	0.01	<0.01	0	0	0	0	5	3	0	0	0	0
Klebsiella	<0.01	0	0	0	0.01	0	1	0	0	0	10	0
Erythrobacter	<0.01	<0.01	0	0	0	<0.01	2	7	0	0	0	1
Neochlamydia	0	0.01	0	0	0	0	0	12	0	0	0	0
Candidatus Alysiosphaera	0	0.01	0	0	0	0	0	12	0	0	0	0
Unclassified *Oligoflexaceae*	<0.01	<0.01	0	0	0	0	3	6	0	0	0	0
Sphingopyxis	<0.01	<0.01	0	0	<0.01	0	4	3	0	0	1	0
Unclassified *HTA4*	<0.01	<0.01	0	0	0	0	4	4	0	0	0	0
Unclassified *SBR1093*	<0.01	<0.01	0	0	0	0	4	4	0	0	0	0
Cohnella	0.01	<0.01	0	0	0	0	5	2	0	0	0	0
Unclassified *1174-901-12*	0.01	0	0	0	0	0	6	0	0	0	0	0
Aquabacter	0	0.01	<0.01	0	0	0	0	10	2	0	0	0
Unclassified *Bacteria*	0	<0.01	0	<0.01	<0.01	<0.01	0	3	0	4	1	1
Unclassified *Rhizobiales*	0	0.01	0	0	0	<0.01	0	9	0	0	0	2
Erwinia	<0.01	0	0	<0.01	<0.01	0	1	0	0	2	6	0
Kytococcus	0	<0.01	0	0	<0.01	0	0	5	0	0	6	0
Solanum melongena (eggplant)	<0.01	0.01	0	0	0	0	1	9	0	0	0	0
Unclassified *Ruminococcaceae*	<0.01	<0.01	0	0	0	0	2	7	0	0	0	0
Friedmanniella	<0.01	<0.01	0	0	0	0	3	5	0	0	0	0
Altererythrobacter	<0.01	<0.01	0	0	0	0	3	5	0	0	0	0
Micromonospora	<0.01	<0.01	0	0	0	0	3	5	0	0	0	0
Unclassified *Tepidisphaeraceae*	<0.01	<0.01	<0.01	0	0	0	1	8	1	0	0	0
Carboxylicivirga	0	0	0	0	0	0.01	0	0	0	0	0	9
Leuconostoc	<0.01	<0.01	0	0	0	0	2	6	0	0	0	0
Unclassified *Alteromonadales*	<0.01	<0.01	0	0	0	0	3	4	0	0	0	0
Roseibacillus	<0.01	<0.01	0	0	0	0	4	2	0	0	0	0
Pelosinus	<0.01	<0.01	0	0	0	0	4	2	0	0	0	0
Lutibacter	0.01	0	0	0	0	0	5	0	0	0	0	0
Unclassified *EC3*	0.01	0	0	0	0	0	5	0	0	0	0	0
Unclassified *Cardiobacteriaceae*	0.01	0	0	0	0	0	5	0	0	0	0	0
Bizionia	0.01	0	0	0	0	0	5	0	0	0	0	0
Unclassified *Microbacteriaceae*	0.01	0	0	0	0	0	5	0	0	0	0	0
Pontibacter	<0.01	<0.01	<0.01	0	0	0	3	3	1	0	0	0
Actinoplanes	<0.01	0	0	<0.01	0	0	4	0	0	1	0	0
Unclassified *alphaI cluster*	<0.01	<0.01	<0.01	0	0	<0.01	2	2	1	0	0	2
Pirellula	0	0.01	0	0	0	0	0	9	0	0	0	0
Facklamia	0	0.01	0	0	0	0	0	9	0	0	0	0
Unclassified *Gastranaerophilales*	0	0.01	0	0	0	0	0	9	0	0	0	0
Blastocatella	0	0.01	0	0	0	0	0	9	0	0	0	0
Simplicispira	0	<0.01	0	0	0	0	0	8	0	0	0	0
Unclassified *Proteobacteria*	<0.01	<0.01	0	0	0	0	1	6	0	0	0	0
Curtobacterium	<0.01	<0.01	0	0	0	0	2	4	0	0	0	0
Unclassified *SAR202 clade*	<0.01	<0.01	0	0	0	0	2	4	0	0	0	0
Simkania	<0.01	<0.01	0	0	0	0	3	2	0	0	0	0
Nonomuraea	<0.01	0	0	0	0	0	4	0	0	0	0	0
Persicirhabdus	<0.01	0	0	0	0	0	4	0	0	0	0	0
Mesonia	<0.01	0	0	0	0	0	4	0	0	0	0	0
Unclassified *Gsoil-1167*	<0.01	0	0	0	0	0	4	0	0	0	0	0
Unclassified *KIST-JJY010*	<0.01	0	0	0	0	0	4	0	0	0	0	0

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Ruminococcaceae UCG-014	<0.01	0	0	0	0	0	4	0	0	0	0	0
Sneathia	<0.01	0	0	0	0	0	4	0	0	0	0	0
Caloranaerobacter	<0.01	0	0	0	0	0	4	0	0	0	0	0
Desulfosporosinus	<0.01	0	0	0	0	0	4	0	0	0	0	0
Clostridium sensu stricto	<0.01	0	0	0	0	0	4	0	0	0	0	0
Unclassified *OCS116 clade*	<0.01	0	0	0	0	0	4	0	0	0	0	0
Unclassified *OPB35 soil group*	<0.01	0	0	0	0	0	4	0	0	0	0	0
Unclassified *Mitochondria*	<0.01	<0.01	0	<0.01	0	0	2	2	0	1	0	0
Unclassified *Pseudomonadales*	0	<0.01	0	0	<0.01	0	0	1	0	0	6	0
Macrococcus	0	<0.01	0	0	<0.01	0	0	3	0	0	4	0
Unclassified *Sphingomonadaceae*	0	<0.01	0	0	0	0	0	7	0	0	0	0
Unclassified *WS6*	0	<0.01	0	0	0	0	0	7	0	0	0	0
Brevibacterium	0	<0.01	0	0	0	0	0	7	0	0	0	0
Anoxybacillus	<0.01	<0.01	0	0	0	0	1	5	0	0	0	0
Iamia	<0.01	<0.01	0	0	0	0	2	3	0	0	0	0
Unclassified *Saprospiraceae*	<0.01	<0.01	0	0	0	0	3	1	0	0	0	0
Rubrobacter	<0.01	<0.01	<0.01	0	0	0	2	2	1	0	0	0
Vitis vinifera (wine grape)	0	<0.01	0	<0.01	0	0	0	5	0	1	0	0
Luteimonas	0	<0.01	0	<0.01	<0.01	<0.01	0	1	0	2	1	1
Clostridiisalibacter	0	<0.01	0	0	0	0	0	6	0	0	0	0
Candidatus Microthrix	0	<0.01	0	0	0	0	0	6	0	0	0	0
Clostridium sensu stricto 13	0	<0.01	0	0	0	0	0	6	0	0	0	0
Caenimonas	0	<0.01	0	0	0	0	0	6	0	0	0	0
Roseovarius	0	<0.01	0	0	0	0	0	6	0	0	0	0
Unclassified *Hydrogenedentes*	0	<0.01	0	0	0	0	0	6	0	0	0	0
Haemophilus	0	<0.01	0	0	0	0	0	6	0	0	0	0
Tessaracoccus	<0.01	<0.01	0	0	0	0	1	4	0	0	0	0
Luteolibacter	<0.01	<0.01	0	0	0	0	2	2	0	0	0	0
Methylobacillus	<0.01	0	0	0	0	0	3	0	0	0	0	0
Sulfitobacter	<0.01	0	0	0	0	0	3	0	0	0	0	0
Methanobacterium	<0.01	0	0	0	0	0	3	0	0	0	0	0
Afifella	<0.01	0	0	0	0	0	3	0	0	0	0	0
Unclassified *MD2904-B13*	<0.01	0	0	0	0	0	3	0	0	0	0	0
Colwellia	<0.01	0	0	0	0	0	3	0	0	0	0	0
Crustomastix stigmatica	<0.01	0	0	0	0	0	3	0	0	0	0	0
Dactylosporangium	<0.01	0	0	0	0	0	3	0	0	0	0	0
Vogesella	<0.01	0	0	0	0	0	3	0	0	0	0	0
Unclassified *Blfdi19*	<0.01	0	0	0	0	0	3	0	0	0	0	0
Thermobacillus	<0.01	0	0	0	0	0	3	0	0	0	0	0
FS140-16B-02 marine group	<0.01	0	0	0	0	0	3	0	0	0	0	0
Unclassified *Gitt-GS-136*	<0.01	0	0	0	0	0	3	0	0	0	0	0
Halomonas	0	<0.01	<0.01	0	0	0	0	4	2	0	0	0
Polaribacter 3	0	<0.01	0	0	0	<0.01	0	2	0	0	0	3
Pseudoxanthomonas	<0.01	0	<0.01	0	0	0	2	0	2	0	0	0
Mycoplasma	0	<0.01	0	<0.01	0	0	0	2	0	2	0	0
Citrobacter	0	<0.01	<0.01	0	0	0	0	1	5	0	0	0
Actinomadura	0	<0.01	0	0	0	0	0	5	0	0	0	0
Unclassified *Subgroup 6*	0	<0.01	0	0	0	0	0	5	0	0	0	0
Unclassified *Vampirovibrionales*	0	<0.01	0	0	0	0	0	5	0	0	0	0
Roseateles	0	<0.01	0	0	0	0	0	5	0	0	0	0
Craurococcus	0	<0.01	0	0	0	0	0	5	0	0	0	0
Chroococcidiopsis	0	<0.01	0	0	0	0	0	5	0	0	0	0
Seonamhaeicola	<0.01	<0.01	0	0	0	0	1	3	0	0	0	0

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Sva0081 sediment group	<0.01	<0.01	0	0	0	0	1	3	0	0	0	0
Herbaspirillum	<0.01	<0.01	0	0	0	0	2	1	0	0	0	0
Peptoniphilus	<0.01	<0.01	0	0	0	0	2	1	0	0	0	0
Niveispirillum	<0.01	<0.01	0	0	0	0	2	1	0	0	0	0
Roseiflexus	0	<0.01	<0.01	0	0	0	0	4	1	0	0	0
Rahnella	0	0	0	<0.01	0	0	0	0	0	3	0	0
Unclassified *OM190*	0	<0.01	0	0	0	<0.01	0	3	0	0	0	1
Unclassified *Micrococcaceae*	0	<0.01	0	0	<0.01	0	0	2	0	0	2	0
Aneurinibacillus	0	<0.01	0	0	0	0	0	4	0	0	0	0
Urania-1B-19 marine sediment group	0	<0.01	0	0	0	0	0	4	0	0	0	0
Polynucleobacter	0	<0.01	0	0	0	0	0	4	0	0	0	0
Anderseniella	0	<0.01	0	0	0	0	0	4	0	0	0	0
Gemmatimonas	0	<0.01	0	0	0	0	0	4	0	0	0	0
Kineosphaera	0	<0.01	0	0	0	0	0	4	0	0	0	0
Unclassified *Phycisphaeraceae*	0	<0.01	0	0	0	0	0	4	0	0	0	0
Gaiella	0	<0.01	0	0	0	0	0	4	0	0	0	0
Porphyrobacter	0	<0.01	0	0	0	0	0	4	0	0	0	0
Unclassified *Micromonosporaceae*	<0.01	<0.01	0	0	0	0	1	2	0	0	0	0
Chaetoceros affinis	<0.01	0	0	0	0	0	2	0	0	0	0	0
Xiangella	<0.01	0	0	0	0	0	2	0	0	0	0	0
Christensenellaceae R-7 group	<0.01	0	0	0	0	0	2	0	0	0	0	0
Clostridium sensu stricto 11	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *Moraxellaceae*	<0.01	0	0	0	0	0	2	0	0	0	0	0
Chlamydia	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *Halobacteroidaceae*	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *Intrasporangiaceae*	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *Belgica2005-10-ZG-3*	<0.01	0	0	0	0	0	2	0	0	0	0	0
Lacinutrix	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *0319-6M6*	<0.01	0	0	0	0	0	2	0	0	0	0	0
Perlucidibaca	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *Subgroup 5*	<0.01	0	0	0	0	0	2	0	0	0	0	0
Pedomicrobium	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *bacteriap25*	<0.01	0	0	0	0	0	2	0	0	0	0	0
Methyloversatilis	<0.01	0	0	0	0	0	2	0	0	0	0	0
Ruminiclostridium 1	<0.01	0	0	0	0	0	2	0	0	0	0	0
Solirubrobacter	<0.01	0	0	0	0	0	2	0	0	0	0	0
Sphaerisporangium	<0.01	0	0	0	0	0	2	0	0	0	0	0
Pseudovibrio	<0.01	0	0	0	0	0	2	0	0	0	0	0
Tenacibaculum	<0.01	0	0	0	0	0	2	0	0	0	0	0
Xylophilus	<0.01	0	0	0	0	0	2	0	0	0	0	0
Burkholderia-Paraburkholderia	<0.01	0	0	0	0	0	2	0	0	0	0	0
Unclassified *Listeriaceae*	0	0	0	<0.01	0	0	0	0	0	2	0	0
Epulopiscium	0	0	0	<0.01	0	0	0	0	0	2	0	0
Hydrogenophaga	0	<0.01	0	0	0	0	0	3	0	0	0	0
Aeromonas	0	<0.01	0	0	0	0	0	3	0	0	0	0
Actinoallomurus	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *NS11-12 marine group*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Cellulosimicrobium	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *Hot Creek 32*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *H2-104-2*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *Candidatus Uhrbacteria*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Maribius	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *Clostridiales*	0	<0.01	0	0	0	0	0	3	0	0	0	0

Genus	D0 (%)	D2 0°C (%)	D4 0°C (%)	D5 0°C (%)	D1 4°C (%)	D2 4°C (%)	D0 (reads)	D2 0°C (reads)	D4 0°C (reads)	D5 0°C (reads)	D1 4°C (reads)	D2 4°C (reads)
Parafilimonas	0	<0.01	0	0	0	0	0	3	0	0	0	0
Rudanella	0	<0.01	0	0	0	0	0	3	0	0	0	0
Pasteuria	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *Sandaracinaceae*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *SBR2076*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Aquipuribacter	0	<0.01	0	0	0	0	0	3	0	0	0	0
Atopostipes	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *SAR324 clade(Marine group B)*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *Kazan-2B-17*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Jannaschia	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *JG30-KF-CM66*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Unclassified *Bacillaceae*	0	<0.01	0	0	0	0	0	3	0	0	0	0
Haliangium	<0.01	<0.01	0	0	0	0	1	1	0	0	0	0
Luedemannella	<0.01	<0.01	0	0	0	0	1	1	0	0	0	0
Acidothermus	<0.01	<0.01	0	0	0	0	1	1	0	0	0	0
Methyloceanibacter	<0.01	<0.01	0	0	0	0	1	1	0	0	0	0
Unclassified *Family XI*	<0.01	<0.01	0	0	0	0	1	1	0	0	0	0
Lachnoclostridium	<0.01	<0.01	0	0	0	0	1	1	0	0	0	0
Janibacter	<0.01	0	<0.01	0	0	0	1	0	1	0	0	0
Kurthia	0	0	0	0	<0.01	0	0	0	0	0	2	0
Verrucosispora	0	0	0	0	<0.01	0	0	0	0	0	2	0
Methylopila	0	<0.01	0	0	0	0	0	2	0	0	0	0
Mobilicoccus	0	<0.01	0	0	0	0	0	2	0	0	0	0
Ottowia	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *type III*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *Syntrophaceae*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Pontibaca	0	<0.01	0	0	0	0	0	2	0	0	0	0
Quadrisphaera	0	<0.01	0	0	0	0	0	2	0	0	0	0
Bergeyella	0	<0.01	0	0	0	0	0	2	0	0	0	0
Anaerococcus	0	<0.01	0	0	0	0	0	2	0	0	0	0
Siphonobacter	0	<0.01	0	0	0	0	0	2	0	0	0	0
Schlegelella	0	<0.01	0	0	0	0	0	2	0	0	0	0
Kistimonas	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *Bradymonadales*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *Alcaligenaceae*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Hymenobacter	0	<0.01	0	0	0	0	0	2	0	0	0	0
Hydrogenispora	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *EV818SWSAP88*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Gemmata	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *Acidimicrobiaceae*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Kineosporia	0	<0.01	0	0	0	0	0	2	0	0	0	0
Bradyrhizobium	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *MB-A2-108*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Caulobacter	0	<0.01	0	0	0	0	0	2	0	0	0	0
Candidatus Entotheonella	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *Planococcaceae*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Chlamydiae bacterium Ga0074140	0	<0.01	0	0	0	0	0	2	0	0	0	0
Verticia	0	<0.01	0	0	0	0	0	2	0	0	0	0
Unclassified *Rs-D42*	0	<0.01	0	0	0	0	0	2	0	0	0	0
Vulcaniibacterium	0	<0.01	0	0	0	0	0	2	0	0	0	0
Yeosuana	0	<0.01	0	0	0	0	0	2	0	0	0	0