

Table S4. Distribution of the most abundant bacterial Families. The relative abundance of bacterial families with more than 1% in at least two libraries in each of the sampling dates and sites. Values represent the percentage of each group in the respective library.

	Dry lagoon						River					
	Before sterilization	3 months	6 months	9 months	12 months	Undisturbed soil	Before sterilization	3 months	6 months	9 months	12 months	Undisturbed soil
Acidobacteriaceae	24.48	0.01	17.90	13.07	21.66	20.80	45.75	14.21	21.05	28.81	23.33	32.12
Anaerolineaceae	0.60	0.00	0.77	1.91	0.49	3.89	0.93	0.00	1.08	1.63	0.81	5.35
Bacillaceae	0.07	1.26	0.23	0.01	0.09	0.00	0.24	3.36	0.10	0.02	0.16	0.04
BD2-11 Gemmatimonadetes	0.11	0.00	0.37	0.50	1.04	0.53	0.50	0.00	1.21	2.45	1.44	0.58
Caldilineaceae	0.08	0.00	0.13	0.57	0.10	1.03	0.33	0.00	0.57	0.85	0.29	3.16
Chitinophagaceae	0.22	0.00	1.59	2.42	3.99	0.64	6.94	0.00	3.78	5.30	4.42	0.56
Cyclobacteriaceae	3.43	0.00	0.10	0.36	0.65	0.01	0.38	0.00	0.25	0.57	1.00	0.10
Desulfobacteraceae	0.00	0.00	0.01	0.27	0.00	1.79	0.52	0.04	2.28	1.60	0.10	3.14
Ectothiorhodospiraceae	0.05	0.00	0.23	0.08	0.37	0.18	0.39	0.00	4.25	4.51	0.73	0.64
Enterobacteriaceae	0.10	0.00	0.02	0.00	0.04	0.06	0.05	7.81	0.04	0.12	0.15	0.09
Flavobacteriaceae	0.30	0.00	0.07	2.69	1.18	0.25	0.69	0.00	0.10	2.89	1.36	0.20
GIF3 Chloroflexi	0.00	0.00	0.00	0.00	0.00	0.00	0.02	6.17	0.14	0.07	0.21	0.51
Halanaerobiaceae	0.00	0.00	0.00	0.00	0.00	2.26	0.06	0.00	0.22	0.81	0.18	2.14
Halomonadaceae	0.02	0.02	0.23	0.48	3.62	0.05	0.61	0.00	0.19	0.10	4.15	0.12
Holophagaceae	0.37	0.00	0.35	0.39	1.48	0.57	6.49	20.16	10.02	4.10	6.01	7.03
Idiomarinaceae	0.08	0.00	0.06	0.44	1.16	0.08	0.24	0.00	0.03	0.06	1.28	0.00
Iii1-8 Holophagales	0.38	0.00	1.05	0.40	0.03	0.02	1.18	0.00	1.93	2.38	0.66	0.71
LCP-89 Deferribacteres	0.00	0.00	0.00	0.00	0.00	0.00	0.87	1.08	1.48	0.16	0.30	1.51
Listeriaceae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.01	0.00

MBMPE71 Planctomycetes	0.00	0.00	0.00	0.00	0.00	0.01	0.01	4.62	0.03	0.01	0.25	0.13
Moraxellaceae	2.33	18.01	1.68	0.68	0.57	1.53	1.89	1.61	2.17	2.07	0.52	0.80
OP11 unclassified	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.41	1.86	0.02	0.82
Phycisphaeraceae	0.50	0.00	0.11	0.00	0.01	0.01	0.04	0.00	1.05	1.51	1.07	0.06
Piscirickettsiaceae	0.01	0.00	0.02	1.95	1.41	0.00	1.85	0.00	0.06	0.03	1.87	0.02
Pseudomonadaceae	0.63	5.32	0.25	2.17	2.21	0.03	1.23	0.80	0.41	0.55	2.05	0.12
Puniceicoccaceae	0.05	0.00	0.00	1.70	1.05	0.33	0.11	0.00	0.21	0.35	1.08	0.51
RB25 Acidobacteria Holophaga	0.06	0.01	0.10	0.01	0.13	0.54	2.18	10.99	7.21	1.80	14.13	2.59
SHA-26 Chloroflexi	0.01	0.00	0.03	0.02	0.04	0.00	0.43	2.20	0.41	1.22	2.08	1.40
SJA-36 Acidobacteria Holophaga	0.01	0.00	0.01	0.00	0.02	0.00	3.63	3.94	6.37	1.73	1.76	3.70
Sporolactobacillaceae	0.00	0.00	0.00	0.00	0.00	0.02	0.07	2.12	0.01	0.00	0.05	0.00
Streptococcaceae	0.13	7.97	0.07	0.32	0.00	0.00	0.02	5.82	0.03	0.00	0.00	0.00
TA06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.97	0.08	0.00	0.51	0.06
TM6 unclassified	0.46	0.00	0.13	4.53	0.51	0.80	0.89	0.02	0.94	3.60	0.38	1.09
TM7 unclassified	0.23	0.00	0.05	3.65	0.42	0.22	0.39	0.00	0.39	1.18	0.52	0.43
Trueperaceae	2.77	0.33	6.03	2.26	0.69	0.47	0.38	0.00	5.98	5.42	0.85	0.20
Vibrionaceae	0.01	0.00	0.07	0.20	2.13	0.00	0.10	0.00	0.05	0.05	2.70	0.01
Xanthomonadaceae	0.98	0.36	2.71	1.45	0.78	0.07	1.98	0.09	4.55	3.23	0.87	0.15
unclassified	33.59	12.01	33.56	26.63	18.21	30.55	0.00	0.00	0.00	0.00	0.00	0.00
Unclassified Acidobacteria	14.54	30.52	17.86	9.06	18.92	9.18	0.00	0.00	0.00	0.00	0.00	0.00
Unclassified Halophaga	4.56	0.01	4.75	1.32	0.44	2.25	0.00	0.00	0.00	0.00	0.00	0.00
Alcaligenaceae	0.00	6.55	0.00	0.30	0.02	0.00	0.03	0.00	0.00	0.00	0.01	0.00
unclassified deltaproteobacteria	0.26	5.73	0.06	0.20	0.09	0.32	0.00	0.00	0.00	0.00	0.00	0.00
Micrococcaceae	0.11	3.05	0.09	0.25	0.02	0.13	0.13	0.14	0.44	0.38	0.28	0.44
unclassified gammaproteobacteria	0.62	1.06	1.24	1.89	2.67	1.01	0.00	0.00	0.00	0.00	0.00	0.00
unclassified proteobacteria	0.72	0.47	1.13	1.17	1.13	1.87	0.00	0.00	0.00	0.00	0.00	0.00
Unclassified Chloroflexi	0.16	0.00	0.30	2.11	0.32	4.09	0.00	0.00	0.00	0.00	0.00	0

