Supplementary Table 4. Frequency that each bacterial phylum was found across each of the environmental categories.

	loso	ckish	ckish sediment	shwater	shwater sediment	rine	rine sediment	drothermal vent		uatic other	esters	od-associated	ustrial/mining	lution associated	uit other	nt root	nt surface	nt other	icultural soil	sert soil	mafrost	er soils	tebrate	hropod	er invertebrate	er zoological	ie.	
	Aer	Bra	Bra	Fre	F	Ma	Ma	Hyd	<u>8</u>	Aqı	Dig	§.	힏	<u>P</u>	Bai	Pla	Pla	Pla	Agı	Des	Per	ě	Ver	Art	₹	ő	ě	Į į
Firmicutes	939	88	69	1430	956	5000	2184	1459	184	1052	7886	7919	2556	3939	2144	3290	929	3399	2616	614	289	9302	363435	2148	678	2085	3179	476988
Proteobacteria Actinobacteria	1921 388	705 31	210 8	11422 2815	3405 454	53191 3161	11209 2894	5515 172	1151 257	4673 619	11076 842	3329 240	9115 904	18649 6226	4293 1110	11447 2454	2668 567	3434 1016	3765 923	570 701	698 447	21436 10720	133674 159964	6384 940	4209 492	7407 269	10038 1692	412696 219985
Bacteroidetes	116	132	39	2328	445	21069	1943	684	365	752	4511	170	1062	4289	333	693	186	1157	343	188	110	3839	94839	1147	708	323	1596	149683
Chloroflexi	7	14	6	220	268	11894	1712	295	3	153	3504	11	386	894	124	165	60	97	187	283	21	1586	314	11	331	16	291	23340
Cyanobacteria	20 9	28	1 19	1098 295	28 241	9100 518	216 648	325 174	33 12	237 181	66 504	38 15	112	75	72 97	22	320 61	44 134	82 1563	342 106	147 108	992 7079	652 454	28	198 317	30	1126 308	18182 15881
Acidobacteria Planctomycetes	11	6 16	19	295 319	153	7516	1464	265	31	311	778	21	506 346	1215 751	64	839 196	3	124	130	36	20	1163	454 496	63 95	154	8 81	308	15542
Spirochaetae	4	7	3	44	55	5803	246	42	1	55	403	3	111	129	18	2	0	3	1	8	0	71	1508	1183	30	10	85	11792
Fusobacteria	1	0	1	3	6	18	36	17	0	10	24	3	11	2	20	0	0	0	0	0	0	11	8494	3	1	440	15	9458
Verrucomicrobia	5	7	1	328	77	3337	107	99	17	93	95	0	117	397	35	200	2	88	66	37	28	731	2207	65	82	71	100	8608
Tenericutes Lentisphaerae	0	1 7	1	22 47	4 42	31 2237	12 163	8 13	1 0	0 14	257 233	14 0	34 21	57 38	6	2	68 0	56 11	2	0 4	0	21	2373 631	94 11	57 39	58	17 8	5734 3605
Nitrospirae	10	5	4	262	91	77	291	96	0	237	121	23	275	183	6 58	98	0	13	55	10	7	26 671	61	4	43	12 2	108	2990
Gemmatimonadetes	1	2	8	42	43	245	176	20	2	15	29	2	102	695	21	123	0	28	178	71	12	738	149	3	30	0	71	2912
Saccharibacteria	4	3	0	23	7	18	4	4	6	22	80	3	43	374	6	29	13	15	11	8	3	182	1609	22	5	8	24	2576
Fibrobacteres	0	1	0	18	12	1429	30	2	0	8	42	2	3	8	2	1	0	3	3	1	0	17	199	721	12	0	7	2540
Atribacteria Deinococcus-Thermus	0 14	0	0	0 61	28 12	78 216	2222 16	21 227	0 4	0 30	85 34	0 5	31 162	16 86	2 30	0 8	0 5	1 13	0 11	2 33	0	13 198	2 519	0 3	0	0	3 89	2519 2152
Synergistetes	1	0	0	6	13	16	4	10	0	1	895	2	95	44	30 5	0	0	10	1	0	0	18	560	59	0	1	10	1827
Aminicenantes	0	Ö	Ö	9	42	1193	337	22	Ō	3	30	0	9	17	12	1	Ō	0	3	1	Ö	38	0	0	7	Ó	1	1731
Deferribacteres	0	0	1	20	11	1058	74	31	0	8	28	0	39	20	1	0	0	1	0	1	0	20	185	5	1	0	1	1548
Chlorobi Armatimonadetes	7 3	21	1	186	57 21	285 424	75 72	88 38	1 2	36 17	155 107	0	85 41	73 74	38 5	14 23	1	11 30	13 20	1 9	19	63 224	28 179	16 2	12	0	49 23	1415 1413
Armatimonadetes Marinimicrobia	0	1	0	36 1	1	424 1149	72 42	23	0	7	23	0	41	74 8	0	23	0	0	0	0	0	224	1/9 0	0	0	0	23	1315
Parcubacteria	0	5	0	118	36	328	207	83	1	31	151	0	48	70	16	11	0	9	14	0	1	76	50	0	3	0	22	1291
Kazan-3B-09	0	0	0	1	2	1181	47	1	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1236
Gracilibacteria	4	2	1	34	19	744	52	96	0	18	15	0	11	11	4	1	0	4	0	0	0	10	57	9	5	4	11	1126
Latescibacteria	0	2	2	16	40	614	137	19	0	5	7	0	23	11	2	9 4	0	3	7	2	0	71 18	2 4	0	0 3	0	14	998
Hydrogenedentes Aquificae	0	0	0	13 46	10 0	640 2	70 1	15 650	0	12 3	62 0	0	10 1	35 0	2 0	0	0	0	17 0	0	0	3	2	0	0	1	21 71	955 913
Thermotogae	0	0	Ö	7	8	39	9	89	0	2	368	Ö	106	30	2	2	Ő	7	1	1	0	21	0	0	ő	o O	9	805
TM6	1	1	0	27	11	327	114	7	1	19	36	2	29	34	2	13	0	19	2	0	1	75	19	0	3	9	27	793
Microgenomates	1	1	0	38	28	172	83	23	0	32	64	0	33	104	13	9	0	8	13	1	1	77	20	0	1	1	14	758
Chlamydiae	0	0	0	40 42	6 9	9 402	6 85	0	0	16 13	1 25	0	1 16	1	2	0	0	0 3	0	0	0	15	159 6	1	0 3	2	8	721 633
Omnitrophica TA06	0	0	1	14	15	206	152	24	0	8	114	0	6	11	2	0	0	0	1	0	0	14	0	0	1	0	0	574
OP3	0	0	0	40	31	234	130	9	0	18	15	Ö	18	16	2	5	Ő	1	4	ő	0	29	3	0	o O	Ö	9	573
Elusimicrobia	0	1	0	28	2	9	15	18	0	13	9	0	18	25	2	7	0	4	9	1	1	57	47	179	0	0	5	457
Cloacimonetes	0	0	0	9	9	6	3	1	0	2	356	2	16	15	1	0	0	0	0	0	0	4	2	7	1	0	1	442
Acetothermia Aerophobetes	0	2	0	56 20	7 0	24 4	148 234	18 2	0	4	3 0	0	4	3	0	0	0	0	0	5 0	0	4 5	0	0	0	0	8	299 277
Caldiserica	0	0	0	2	0	142	8	9	0	i	57	0	4	14	1	0	0	3	0	0	0	2	0	0	0	0	5	252
Hyd24-12	0	0	0	3	6	203	14	6	0	0	6	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	242
WS6	0	1	0	4	6	94	44	6	0	8	13	1	30	10	0	0	0	1	1	0	0	5	5	0	0	0	5	235
SR1	0	0	0	8 5	0 4	124	1 8	12	0	8 0	8	0	6 9	2	0	0	0	0	1	0	0	0 18	17	2	1 2	0	0	190 175
SHA-109 PAUC34f	0	0	0	2	0	17 45	8 10	3	0	0	13 1	0	2	0	0	0	0	0	0	0 1	0	18 2	83 7	0	42	0	2	175
WD272	Õ	ő	0	2	2	0	0	0	1	5	1	0	3	7	0	4	0	0	ő	3	0	108	i	0	0	0	ī	140
Thermodesulfobacteria	0	0	0	8	0	0	1	85	0	0	0	0	4	1	0	0	0	0	0	0	0	1	0	0	0	0	0	118
SM2F11	0	0	0	9	0	62	6	1	0	0	3	0	0	0	0	15	0	0	1	0	0	3	5	0	0	0	1	107
WCHB1-60 JL-ETNP-Z39	0	0	0	3 4	2	1 12	1 10	0	0	0	6 0	0	2 0	16 4	1	2 0	0	1	4	0	0	22 9	5 0	0	0	0	2	70 45
CKC4	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0	0	1	17	1	0	13	0	42
LCP-89	Ö	Ö	Ö	1	2	5	13	1	Ö	1	Ö	Ö	1	0	Ö	Ö	Ö	Ö	Ö	Ö	0	7	0	0	ő	0	0	32
GOUTA4	0	0	0	7	3	1	2	1	0	1	2	0	2	1	0	2	0	1	0	0	0	6	0	0	0	0	1	31
Dictyoglomi	0	0	0	1	0	1	0	11	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
GAL08 SBYG-2791	0	0	0	2 0	0	0 16	0	9	0	0	0	0	4 0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	17 16
Chrysiogenetes	0	0	0	0	0	0	3	0	0	0	1	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	13
LD1-PA38	0	Ö	Ö	Ö	Ö	Ö	8	0	Ö	Ö	Ö	Ö	0	0	Ö	Ö	Ö	Ö	Ö	Ö	0	1	Ö	0	ő	Ō	0	9
OC31	0	0	0	0	0	0	1	0	0	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	7
RsaHF231	0	0	0	0	0	0	0	1	0	1	0	0	0	3	0	0	0	0	0	0	0	0	1	1	0	0	0	7
Calescamantes S2R-29	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	3472	1094	390	21647	6733	134727	27801	10860	2073	8760	33152	11813	16582	38696	8556	19695	4892	9753	10051	3042	1922	59855	773045	13209	7476	10855	19414	1411234
70141	UNL	. 554	550	2.047	0.00	.01/2/	2,001	. 5555	2070	0.00	00102		. 5562	55555	5556	.0000	.552	0.00		557L		55555		.0200	0	.0000	10717	