

**Supplementary Table 6. Frequency that each bacterial sequence or OTU was retrieved by cultivation or by culture-independent methods.**

Phylum	Sequences			OTUs		
	Cultured	Uncultured	Total	Cultured	Uncultured	Total
Proteobacteria	116980	289188	406168	4898	21420	26318
Firmicutes	82882	388431	471313	2582	18990	21572
Bacteroidetes	9424	152606	162030	1579	11697	13276
Actinobacteria	40337	178218	218555	1680	3960	5640
Planctomycetes	539	14598	15137	127	4111	4238
Chloroflexi	190	22689	22879	62	3991	4053
Acidobacteria	218	15513	15731	103	3686	3789
Spirochaetae	1917	9518	11435	108	1523	1631
Cyanobacteria	3518	13787	17305	415	1211	1626
Verrucomicrobia	169	8227	8396	80	1415	1495
Gemmatimonadetes	23	2833	2856	18	980	998
Lentisphaerae	18	3541	3559	9	906	915
Tenericutes	2113	3515	5628	195	658	853
Parcubacteria	5	1244	1249	5	716	721
Saccharibacteria	10	2522	2532	10	598	608
Nitrospirae	112	2818	2930	25	581	606
Armatimonadetes	9	1374	1383	4	551	555
Euryarchaeota	2089	3818	5907	218	315	533
Microgenomates	4	758	762	4	471	475
Chlorobi	79	1334	1413	17	411	428
TM6	5	784	789	3	405	408
Fibrobacteres	30	2440	2470	8	356	364
Hydrogenedentes	6	920	926	2	318	320
Latescibacteria	4	989	993	4	311	315
Gracilibacteria	4	1111	1115	4	306	310
Synergistetes	103	1707	1810	21	282	303
OP3	1	558	559	1	295	296
Deinococcus-Thermus	545	1580	2125	90	197	287
TA06	0	563	563	0	228	228
Deferribacteres	43	1483	1526	16	208	224
Elusimicrobia	4	445	449	3	218	221
Marinimicrobia	19	1295	1314	6	193	199
Fusobacteria	521	8903	9424	27	167	194
Omnitrophica	2	597	599	2	184	186
Aminicenantes	23	1735	1758	1	164	165
Thermotogae	152	640	792	33	110	143
Chlamydiae	535	185	720	49	62	111
WS6	0	234	234	0	107	107
Atribacteria	14	2518	2532	5	76	81
Cloacimonetes	23	446	469	2	76	78
SHA-109	0	170	170	0	77	77
Acetothermia	1	297	298	1	75	76
Aerophobetes	3	266	269	3	73	76
Aquificae	209	681	890	34	28	62
WD272	0	139	139	0	58	58
Caldiserica	3	240	243	1	55	56
Kazan-3B-09	0	1221	1221	0	56	56
SR1	0	178	178	0	54	54
PAUC34f	1	171	172	1	53	54
WCHB1-60	0	67	67	0	54	54
Hyd24-12	0	235	235	0	47	47
SM2F11	0	98	98	0	38	38
JL-ETNP-Z39	0	45	45	0	25	25
LCP-89	0	32	32	0	24	24
GOUTA4	0	27	27	0	23	23
Thermodesulfobacteria	21	94	115	8	15	23
CKC4	2	40	42	2	10	12
Dictyoglomi	11	14	25	1	9	10
LD1-PA38	0	9	9	0	8	8
GAL08	0	15	15	0	7	7
OC31	0	7	7	0	6	6
Chrysiogenetes	12	1	13	5	0	5
RsaHF231	0	6	6	0	5	5
Calescamantes	7	4	11	1	2	3
S2R-29	0	2	2	0	2	2
SBYG-2791	0	16	16	0	2	2
Total	262940	1149740	1412680	12473	83260	95733