

Supplementary Table 7. Frequency that each archaeal sequence or OTU was retrieved by cultivation or by culture-independent methods.

Phylum	Sequences			OTUs		
	Cultured	Uncultured	Total	Cultured	Uncultured	Total
Euryarchaeota	3352	25062	28414	320	1520	1840
Thaumarchaeota	48	17837	17885	12	715	727
Miscellaneous Crenarchaeotic Group	0	3738	3738	0	717	717
Woesearchaeota	6	618	624	1	297	298
Aenigmarchaeota	2	339	341	2	211	213
Crenarchaeota	220	965	1185	41	129	170
Aigarchaeota	8	302	310	1	56	57
Marine Hydrothermal Vent Group	0	267	267	0	51	51
SM1K20	0	33	33	0	27	27
Diapherotrites	2	39	41	2	22	24
Miscellaneous Euryarchaeotic Group	0	85	85	0	23	23
Nanohaloarchaeota	2	77	79	2	14	16
Korarchaeota	2	212	214	2	10	12
Nanoarchaeota	1	137	138	1	8	9
Parvarchaeota	0	9	9	0	7	7
Marine Hydrothermal Vent Group 1	0	13	13	0	5	5
Ancient Archaeal Group	0	191	191	0	3	3
Unclassified	0	3	3	0	3	3
TVG8AR30	0	2	2	0	2	2
Marine Hydrothermal Vent Group 2	0	3	3	0	1	1
Total	3643	49932	53575	384	3821	4205