

Table 1. Status of microbial census by habitat classifications and domain. The isolation_source field from the SILVA reference database was manually curated to assign bacterial and archaeal sequences coarse and fine scale habitat classifications. We calculated the number of sequences and OTUs observed and the percent coverage on a sequence or OTU basis for each classification and domain.

Coarse	Fine	Bacteria				Archaea			
		Sequences (N)	OTUs (N)	% Seq. Coverage	% OTU Coverage	Sequences (N)	OTUs (N)	% Seq. Coverage	% OTU Coverage
Aerosol		3,472	773	85.0	32.5	2	1	100.0	100.0
Aquatic	Brackish	1,094	581	59.5	23.8	1,368	263	88.4	39.5
	Brackish sediment	390	231	54.1	22.5	525	202	72.4	28.2
	Freshwater	21,647	5,382	83.3	33.0	1,540	371	85.1	38.3
	Freshwater sediment	23,974	4,535	85.0	20.5	1,324	473	74.9	29.8
	Marine	134,727	12,306	94.4	39.2	10,983	564	97.0	41.3
	Marine sediment	27,801	9,190	76.7	29.4	14,049	1,536	92.9	35.4
	Hydrothermal vent	10,860	4,011	73.6	28.6	3,797	788	87.8	41.0
	Ice	2,073	592	83.9	43.8	42	3	100.0	100.0
	Other	8,760	3,349	72.6	28.2	772	278	76.9	36.0
Built	Digesters	33,152	7,492	84.9	33.3	4,764	222	97.5	45.5
	Food-associated	11,813	1,080	94.8	43.3	117	32	82.9	37.5
	Industrial/mining	16,582	5,465	77.5	31.6	1,245	265	87.7	42.3
	Pollution associated	38,696	9,212	85.4	38.8	716	198	84.2	42.9
	Other	8,556	2,150	83.5	34.5	444	89	88.3	41.6
Plant associated	Root	19,695	3,571	87.9	33.0	200	48	85.5	39.6
	Surface	4,892	833	90.0	41.4	0	0	NA	NA
	Other	9,753	2,571	82.6	34.0	22	8	90.9	75.0
Soil	Agriculture	10,051	2,779	81.9	34.7	146	44	82.9	43.2
	Desert	3,042	1,150	73.3	29.4	245	69	80.8	31.9
	Permafrost	1,922	652	80.1	41.4	39	13	84.6	53.8
	Other	60,334	16,271	81.2	30.2	2,091	500	86.1	41.8
Zoological	Vertebrate	773,045	28,448	97.6	34.7	5,389	142	98.7	51.4
	Arthropod	13,209	3,072	84.2	32.1	87	25	87.4	56.0
	Other invertebrate	7,476	2,140	81.5	35.5	67	28	70.1	28.6
	Other	10,855	1,201	92.9	35.5	54	11	90.7	54.5
Other		19,414	5,570	80.5	32.1	882	209	86.3	42.1
No source data		151,669	11,886	95.8	46.2	2,565	461	91.7	54.0
Total		1,428,954	99,431	95.5	35.4	53,550	4,241	95.1	38.6