

Supplemental Table 1

Sample Type	Site ID (N=13)	Library (N=19)	Culture (mean colonies/mL)			Sequences (per ~1mL)	t-tests	p-value
			thermo-tolerant (TTB)	lactose-fermenting (Lac)	β-D-glucuronidase (BDGB)			
Treated	indoor	HH	CWS4	3.5	1	0	310	
	indoor	NH	CWS9	2	0	0	118	
	indoor	NH	CWSJ	1	0	0	4650	
	indoor	RR	CWS7	29	0	0	39	
	outdoor	CU	CWS6	1	0	0	27	
	outdoor	CU	CWSF	8	4	0	2847	
	outdoor	KR	CWS5	2.5	1	1	198	
	outdoor	MR	CWS8	1	0	0	230	
	outdoor	SHB	CWSH	1	1	0	4188	
	outdoor	SJ	CWSE	2	2	0	1168	
	outdoor	SR	CWSD	4	2.5	0	1248	
	tank	tank	CWS1	0	0	0	1338	
	tank	tank	CWSA	0	0	0	186	
	Un-Treated	filter	filter	CWS2	58	19	2	1806
filter		filter	CWSB	56	47	5	3573	
raw		raw	CWS3	103	41	3.5	663	
raw		raw	CWSC	54	41	1	5758	
river		river	CWSG	251	208	8	2592	
rain		rain	CWS10	200	200	0	1598	
Total Seqs:						32537		

Supplemental Table 1: Individual sample site information is reported including sample type, culture results, number of total pyrosequences generated, and statistical comparisons of culture and sequence data. Paired, two-tailed, unequal variance (heteroscedastic) Student's t-tests were performed on Anscombe transformed data (not shown), p-values reported.

Phylum	Genus	Sample Type	Library	Treated										Untreated					total			
				indoor CW54	indoor CW57	indoor CW59	indoor CW51	outdoor CW55	outdoor CW56	outdoor CW58	outdoor CW5D	outdoor CW5E	outdoor CW5F	outdoor CW5H	outdoor CW5I	tank CW5A	tank CW5B	filter CW52		raw CW53	river CW5C	rain CW510
Acidobacteria	Acidobacteria_Gp1												2.716	1.815	2.716	1.815			0.242	2.048	7.335	0.796
Acidobacteria	Acidobacteria_Gp10												0.139	0.139	0.139				0.137			0.010
Acidobacteria	Acidobacteria_Gp12												0.209	0.209								0.015
Acidobacteria	Acidobacteria_Gp13												0.139	0.139								0.010
Acidobacteria	Acidobacteria_Gp16												0.487	1.049	0.487	1.049	0.100		0.181	1.433		1.552
Acidobacteria	Acidobacteria_Gp17												0.241	0.161	0.161					1.638		0.155
Acidobacteria	Acidobacteria_Gp18												0.348	0.348								0.025
Acidobacteria	Acidobacteria_Gp19												0.070	0.070								0.005
Acidobacteria	Acidobacteria_Gp20												1.871	1.089	1.671	1.089			0.427	0.060	3.345	0.811
Acidobacteria	Acidobacteria_Gp22												0.209	0.209						0.068	0.716	0.045
Acidobacteria	Acidobacteria_Gp24												0.070	0.070						0.341		0.030
Acidobacteria	Acidobacteria_Gp3												0.295	0.444	0.295	0.444			0.712	0.060	0.897	0.310
Acidobacteria	Acidobacteria_Gp4												0.348	0.242	0.348	0.242	0.162		0.410	6.977		1.017
Acidobacteria	Acidobacteria_Gp5												0.766	0.766						0.273		0.075
Acidobacteria	Acidobacteria_Gp6												2.925	0.484	2.925	0.484			0.285	0.181	1.433	0.406
Acidobacteria	Acidobacteria_Gp7												0.348	0.928	0.348	0.928						0.140
Actinobacteria	Holophaga																			0.121	0.137	0.020
Actinobacteria	Ferrihrix												0.139	0.139						0.060		0.055
Actinobacteria	Lamia												0.279	0.524	0.279	0.524			0.570	0.020		0.537
Actinobacteria	Iumabacter												0.070	0.040	0.070	0.040						0.010
Actinobacteria	Corynebacterium												0.840	0.070	0.807	0.070			0.786	0.341	0.358	0.230
Actinobacteria	Mycobacterium												2.521	0.139	1.533	0.139	1.533			1.980	1.789	1.608
Actinobacteria	Nocardia																			0.142		0.020
Actinobacteria	Stermania																					0.005
Actinobacteria	Takumarella																				0.179	0.010
Actinobacteria	Cryptosporangium																			0.142		0.005
Actinobacteria	Blastococcus												0.418	0.121	0.418	0.121						0.065
Actinobacteria	Modesobacter												0.070	0.121	0.070							0.005
Actinobacteria	Nokamurella												0.139	0.139								0.010
Actinobacteria	Kineococcus												0.121	0.121					0.060			0.025
Actinobacteria	Kineosporia												0.121	0.121								0.015
Actinobacteria	Brevibacterium												2.098	1.735	1.735							0.230
Actinobacteria	Brachybacterium												1.399								0.683	0.060
Actinobacteria	Dermacoccus																					0.095
Actinobacteria	Exoella																					0.881
Actinobacteria	Terrabacter												0.070	0.202	0.070	0.202				0.121		0.040
Actinobacteria	Tetrasphaera												0.139	0.323	0.139	0.323				0.060		0.005
Actinobacteria	Agrococcus												0.081	0.081						0.060		0.060
Actinobacteria	Agromyces												0.070	0.070								0.010
Actinobacteria	Clavibacter												0.070	0.070								0.005
Actinobacteria	Cartobacterium												0.209	0.023	0.209	0.023						0.070
Actinobacteria	Leucobacter												0.081	0.081						0.121		0.065
Actinobacteria	Microbacterium												0.840									0.005
Actinobacteria	Microbacterium												0.418	5.930	0.418	5.930	2.506					2.048
Actinobacteria	Myxospora																			0.968		1.092
Actinobacteria	Myxospora																					0.080
Actinobacteria	Myxospora																					0.179
Actinobacteria	Yangiapharkia																			0.060		0.005
Actinobacteria	Actinobacter												1.614	1.614							0.068	0.005
Actinobacteria	Actinobacter												0.766	0.766						2.564		0.205
Actinobacteria	Micrococcus																					0.065
Actinobacteria	Nesterenkonia																			1.051		0.025
Actinobacteria	Actinoplanes																			0.404		0.005
Actinobacteria	Aeromicrobium																					0.068
Actinobacteria	Marmorisella												0.605	0.605								0.095
Actinobacteria	Marmorisella												0.605	0.605	0.162	0.600				0.614		0.311
Actinobacteria	Friedmanniella																					1.425
Actinobacteria	Luteococcus												0.557	0.557								0.125
Actinobacteria	Propionibacterium																					0.040
Actinobacteria	Propionibacterium												1.586									1.831
Actinobacteria	Amycolopsis																					0.025
Actinobacteria	Kutzneria												0.070	0.070								0.010
Actinobacteria	Actinomyces												0.348	0.348								0.005
Actinobacteria	Streptomycetes												0.444	0.444								0.025
Actinobacteria	Streptosporangium												0.139	0.139								0.060
Actinobacteria	Actinoplanes												0.139	0.363	0.139	0.363						0.010
Actinobacteria	Bifidobacterium												19.496	2.507	2.507					0.700		0.085
Actinobacteria	Gardnerella																					1.227
Actinobacteria	Ascarhobacter																					0.336
Actinobacteria	Collisia												3.077									0.015
Actinobacteria	Eggerthella												3.361									0.020
Actinobacteria	Rubrobacter																					0.020
Actinobacteria	Actinobacter												0.282	0.282		0.323						0.010
Actinobacteria	Putidobacter												0.070	0.070								0.005
Actinobacteria	Solirubrobacter												0.070	1.170	0.070	1.170						1.297
Actinobacteria	Thermophilum												0.139	0.139								0.316
Actinobacteria	Thermophilum												0.139	0.139								0.010
Aquificae	Venerivibrio												0.202	0.202								0.030
Aquificae	Venerivib																					

