

16S rRNA gene amplicon sequencing data of the Iron Quadrangle ferruginous caves (Brazil) shows the importance of conserving this singular and threatened geosystem

Short title: 16S rRNA gene amplicon sequencing of ferruginous caves

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Supplementary Table S1. Sequencing data of collected samples.

#	Sample	Cave	Collection place	Barcode	Bioproject PRJNA575049	Sequencing data			Taxons prediction (OTUs)			
					Biosample accession number	Number of bases	Number of reads	Mean Read Length (bp)	Number of phyla (P)	Number of genera (G)	Non-redundant at cave P/G	Average (SD) P/G
1	MC1F1	1	Floor	CTAAGGTAAC	SAMN12876970	33,668,062	196,487	171	23	152	27/189	23,5 (1,0)/148,0 (10,7)
2	MC1F2	1	Floor	TAAGGAGAAC	SAMN12876971	27,729,374	129,281	214	25	155		
3	MC1C1	1	Ceiling	AAGAGGATTC	SAMN12876972	23,481,858	116,742	201	23	132		
4	MC1C2	1	Ceiling	TACCAAGATC	SAMN12876973	35,221,378	182,483	193	23	153		
5	MC2F1A	2	Floor	CAGAAGGAAC	SAMN12876974	33,371,557	174,006	192	22	183	26/216	20,0 (4,3)/147,0 (33,4)
6	MC2F2A	2	Floor	CTGCAAGTTC	SAMN12876975	60,918,051	358,109	170	23	182		
7	MC2C1A	2	Ceiling	TTCGTGATTC	SAMN12876976	36,754,698	187,706	196	15	118		
8	MC2C2A	2	Ceiling	TTCCGATAAC	SAMN12876977	31,954,172	184,115	174	14	101		
9	MC2FB	2	Floor	TGAGCGGAAC	SAMN12876978	53,737,772	281,825	191	23	143		
10	MC2SB	2	Biofilm	CTGACCGAAC	SAMN12876979	49,797,749	308,819	161	23	155		
11	MC3F	3	Floor	TCCTCGAATC	SAMN12876980	37,108,725	218,346	170	21	162	23/183	19,5 (2,1)/137,0 (35,4)
12	MC3C	3	Ceiling	TAGGTGGTTC	SAMN12876981	34,991,048	107,025	327	18	112		
13	GC1F	4	Floor	TCTAACGGAC	SAMN12876982	32,037,345	206,242	155	24	161	24/161	24/161
14	GMC1FAF	5	Floor	TTGGAGTGTC	SAMN12876983	42,668,359	239,859	178	26	162	27/208	

15	GMC1CAF	5	Ceiling	TCTAGAGGTC	SAMN12876984	22,032,158	128,998	171	24	160		23,7 (1,8)/149,5 (23,0)
16	GMC1FE	5	Floor	TCTGGATGAC	SAMN12876985	35,391,068	200,623	176	23	129		
17	GMC1CE	5	Ceiling	TCTATTGTC	SAMN12876986	33,332,423	187,728	178	21	115		
19	GMC1CG	5	Ceiling	TTAGTCGGAC	SAMN12876987	29,755,581	153,085	194	25	177		
20	LCFAB	6	Floor	CAGATCCATC	SAMN12876988	27,163,571	112,004	243	23	154	27/214	22,6 (2,6)/156,2 (12,1)
21	LCFCE	6	Floor	TCGCAATTAC	SAMN12876989	42,090,700	207,298	203	25	173		
22	LCCAB	6	Ceiling	TTCGAGACGC	SAMN12876990	20,717,017	84,003	247	19	149		
23	LCCCE	6	Ceiling	TGCCACGAAC	SAMN12876991	46,229,115	222,335	208	25	163		
24	LCCF	6	Ceiling	AACCTCATTC	SAMN12876992	40,791,827	218,176	187	21	142	23/168	21,5 (0,7)/143,5 (5,0)
25	LQCF*	7	Floor	CCTGAGATAC	SAMN12876993	54,676,744	304,547	180	21	140		
26	LQCC*	7	Ceiling	TTACAACCTC	SAMN12876994	34,714,249	203,685	170	22	147	27/202	20,5 (4,9)/132,0 (21,2)
27	SMF1	8	Floor	AACCATCCGC	SAMN12876995	36,569,387	181,685	201	14	103		
28	SMF2	8	Floor	ATCCGGAATC	SAMN12876996	51,511,429	263,203	196	26	154		
29	SMC1	8	Ceiling	TCGACCACTC	SAMN12876997	43,295,850	225,117	192	21	135		
30	SMC2	8	Ceiling	CGAGGTTATC	SAMN12876998	32,177,417	159,843	201	21	136		

* Cave control samples (quarzitic cave); #18 was excluded; SD – Standard deviation.