

# Supplementary Materials: In Situ Cultured Bacterial Diversity from Iron Curtain Cave, Chilliwack, British Columbia, Canada

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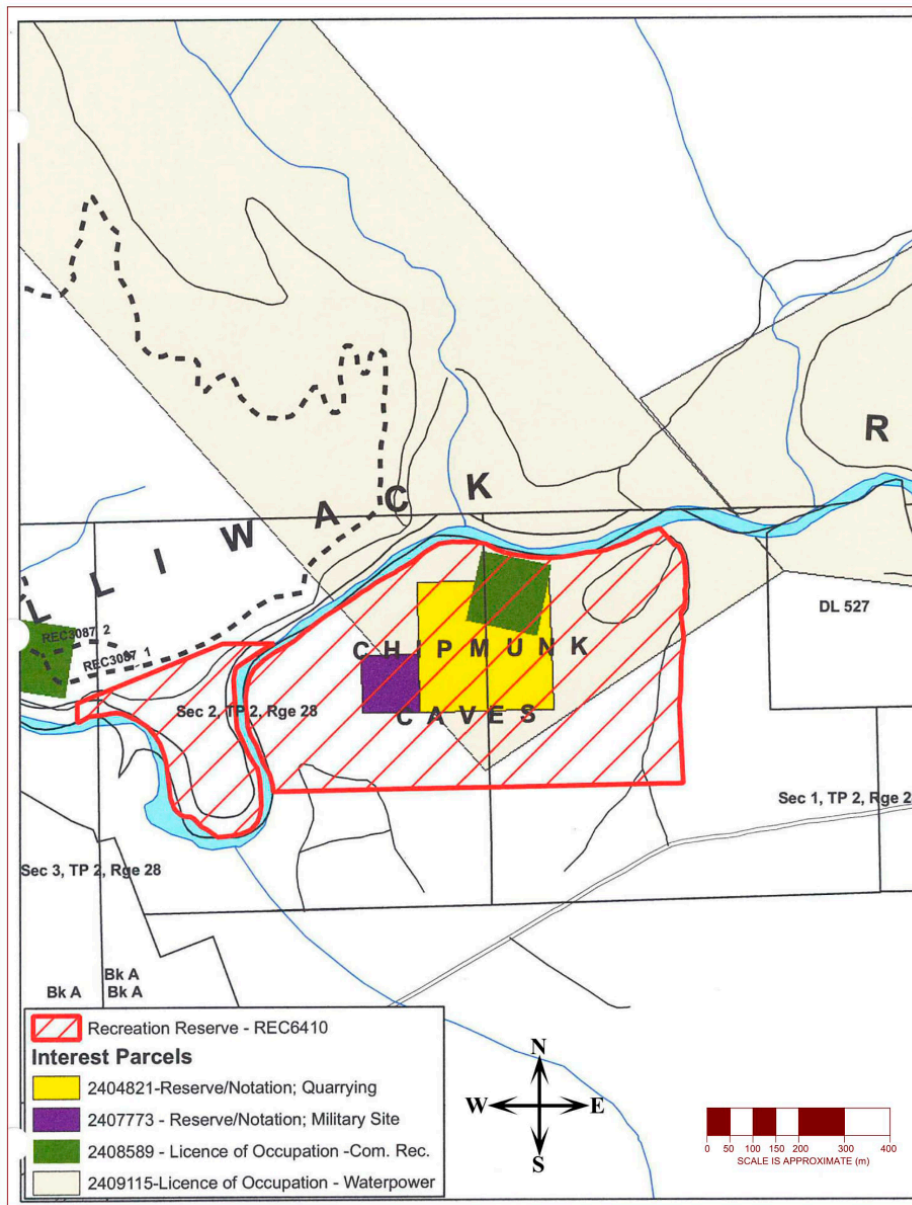
**Table S1.** Bacterial isolates identified to their closest homologue, with their GenBank accession number assigned, from different locations in the Iron Curtain Cave, Chilliwack, BC.

Isolate ID	Closest Homologue	Identity %	Coverage %	GenBank Accession Number(s)	Sampling Points in Caves
ICC2	<i>Pedobacter</i> spp.	99	100	KY419835	1
ICC23	<i>Sporosarcina</i> spp.	82	96	KY419836	2
ICC30	<i>Arthrobacter</i> spp.	97	97	KY419837	4
ICC40	<i>Bacillus simplex</i>	99	96	KY419838	4
ICC41	<i>Rhodococcus erythropolis</i>	96	96	KY419839	4
ICC42	<i>Variovorax paradoxus</i>	99	96	KY419840	4
ICC49	<i>Arthrobacter scleromae</i>	99	96	KY419841	3
ICC50	<i>Bacterium</i>	97	87	KY419842	3
ICC51	<i>Flavobacterium</i> spp.	90	95	KY419843	6
ICC54	<i>Arthrobacter scleromae</i>	96	96	KY419844	6
ICC58	<i>Stenotrophomonas rhizophila</i>	99	96	KY419845	6
ICC68	<i>Leifsonia</i> spp.	99	96	KY419846	5
ICC69	<i>Williamsia faeni</i>	99	92	KY419847	5
ICC9	Bacterium XD-H1	99	100	KY419848	1
ICC4	<i>Streptomyces</i> spp.	99	100	KY419849	1
ICC10	<i>Sporosarcina</i> spp.	99	98	KY419850	7
ICC14	<i>Nocardia</i> spp.	99	93	KY419851	7
ICC15	<i>Streptomyces cirratus</i>	99	92	KY419852	7
ICC17	<i>Devosia</i> spp.	99	99	KY419853	7
ICC59	Bacterium XD-H1	99	97	KY419854	6
ICC22	<i>Sphingobacterium</i> spp.	99	100	KY419855	2
ICC70	<i>Paenisporosarcina</i> spp.	99	97	KY419856	5
ICC26	<i>Flavobacterium</i> spp.	99	95	KY419857	2
ICC62	<i>Stenotrophomonas</i> spp.	99	97	KY419858	5
ICC66	<i>Arthrobacter</i> spp.	99	97	KY419859	5
ICC33	Bacterium isolate	99	92	KY419860	4
ICC34	<i>Arthrobacter kerguelensis</i>	90	99	KY419861	4
ICC35	<i>Arthrobacter kerguelensis</i>	99	99	KY419862	4
ICC38	<i>Paenibacillus</i> spp.	99	100	KY419863	4
ICC43	<i>Sporosarcina</i> spp.	99	96	KY419864	3
ICC45	Bacterium clone	95	100	KY419865	3
ICC46	<i>Stenotrophomonas</i> spp.	99	94	KY419866	3
ICC53	Bacterium XD-H1	99	89	KY419867	6
ICC61	<i>Paenisporosarcina</i> spp.	99	99	KY419868	5
ICC55	<i>Arthrobacter scleromae</i>	99	98	KY419869	6
ICC56	<i>Achromobacter xylosoxidans</i>	98	99	KY419870	6
ICC11	<i>Sporosarcina</i> spp.	99	97	KY419871	7
ICC13	<i>Streptomyces</i> spp.	99	95	KY419872	7
ICC20	<i>Sporosarcina</i> spp.	99	98	KY419873	7
ICC24	<i>Brevundimonas</i> spp.	99	99	KY419874	2
ICC32	Bacterium isolate	99	95	KY419875	4

ICC37	<i>Arthrobacter</i> spp.	99	100	KY419876	4
ICC44	<i>Sporosarcina</i> spp.	99	90	KY419877	3
ICC48	<i>Stenotrophomonas rhizophila</i>	99	100	KY419878	3
ICC52	<i>Chitinophaga soli</i>	99	94	KY419879	6
ICC57	<i>Stenotrophomonas</i> spp.	99	97	KY419880	6
ICC63	<i>Arthrobacter</i> spp.	99	95	KY419881	5
ICC65	<i>Williamsia faeni</i>	99	93	KY419882	5
ICC67	<i>Arthrobacter kerguelensis</i>	99	91	KY419883	5
ICC71	<i>Leifsonia</i> spp.	99	97	KY419884	5

**Table S2.** Bacterial isolates that have not been deposited to GenBank hence without accession numbers. These are identified to their closest homologue. The asterisk (\*) denotes the bacteria that show identity below 90%.

Isolate ID	Closest Homologue	Identity %	Coverage %	Sampling Points in Caves
ICC6	<i>Arthrobacter antarcticus</i> strain 27	99	79	1
ICC7	<i>Arthrobacter antarcticus</i> strain 27	98	90	1
ICC8	<i>Stenotrophomonas rhizophila</i> strain PN8	99	78	1
ICC18	<i>Arthrobacter antarcticus</i> strain 27	99	78	7
ICC21 *	<i>Paenibacillus</i> spp.	83	77	2
ICC31	Soil bacterium clone B138	97	75	4
ICC39 *	<i>Bacillus megaterium</i>	81	72	4
ICC25	<i>Rhodococcus</i> spp. ASDP3	98	79	2
ICC28	<i>Brevundimonas</i> spp. B055-6	99	88	2
ICC36	<i>Arthrobacter</i> spp. IARI-L-29	99	86	4
ICC29	<i>Brevundimonas</i> spp.	99	88	2
ICC1 *	<i>Streptomycesnojiriensis</i>	73	95	1
ICC12 *	<i>Nocardia</i> spp.	84	92	7
ICC16	<i>Devosia limi</i> spp.	94	96	7
ICC27	<i>Pseudomonas</i> spp.	99	91	2



**Figure S1.** The area shaded with red lines shows the Chipmunk Ridge. The Iron Curtain Cave is located on the north of this ridge.