Supplementary Material

Microbial diversity in a submarine hydrothermal chimney from the serpentinized system of the Prony Bay (New Caledonia) over a 6 years period.

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Supplementary Table 1. Geochemical properties of marine and terrestrial serpentinizing sites (modified from Suzuki et al., 2013).

	Prony (New Caledonia)	Lost City (Mid Atlantic Ridge)	Cabeço de Vide (Portugal)	The Cedars (USA)		
	ST09		**AC3**	**BS1**	**BS5**	**GPS1**
pH	10.6	9-9.8	11.4	11.5	11.6	11.9
N_2 (% by vol)	67-69*	-	-	49.6	53.6	36.6
H_2 (% by vol)	19-24*	-	-	39.2	34	50.9
CH_4 (% by vol)	6-13*	-	-	6.5	5.3	7.4
N_2 (aq) mM	-	-	-	-	-	-
H_2 (aq) mM	-	0.25-0.43	-	-	-	-
CH_4 (aq) mM	-	0.13-0.28	-	-	-	-
Na^+ (mM)	6.46	479-485	2.26	2.0	1.98	14.69
K^+ (mM)	0.98	-	0.12	0.038	0.03	0.13
Ca^{2+} (mM)	2.76	21.0-23.3	0.58	-	1.17	0.94
Mg^{2+} (mM)	2.768	9-19	<dl	-	0.036	0.004
PO_4^{3-} (mM)	-	-	-	<dl	<dl	<dl
HCO^{3-} (mM)	-	-	-	<dl	<dl	<dl
Cl^- (mM)	50.58	546-549	1.48	1.7	1.49	8.73
NO_3^- (mM)	-	-	<dl	<dl	<dl	<dl
SO_4^{2-} (mM)	1.72	5.9-12.9	0.03	<dl	0.001	<dl

* from Bain des Japonais and Rivière des Kaoris sites (Monnin et al. 2014). - ; not available, <dl ; below detection limit.