

Supplemental Materials

A Comprehensive Profile of Antibiotic Resistance Genes in the Water Column of a Shallow-Sea Hydrothermal Vent Ecosystem

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Table S1. Environmental variables of the water samples from the Kueishantao shallow-sea hydrothermal vent ecosystem.

Figure S1. Sampling map of 16 lakes in the Tibet plateau.

Table S1. Environmental variables of the water samples from the Kueishantao shallow-sea hydrothermal vent ecosystem.

Site	Sample ID	Temp (°C)	Salinity (‰)	pH	DO%	Chla (µg/L)	NH ₄ -N (ppm)	NO ₂ -N (µmol/l)	NO ₃ -N (µmol/l)	SiO ₂ -Si (µmol/l)	DIC (µmol/kg)	DOC (ppm)	CH ₄ (µM)
Control	CS	26.00	34.11	7.85	91.50	0.13	0.03	0.08	0.63	24.30	2018.00	0.96	1982.00
	CM	25.00	34.28	8.09	93.30	0.20	0.03	0.01	0.74	19.30	1991.00	0.93	299.00
	CB	25.00	34.28	8.08	93.80	0.07	0.02	0.17	1.60	15.00	1995.00	0.84	103.00
Yellow	YS	27.00	34.14	6.10	54.00	0.03	0.02	nd ^a	0.46	37.90	2465.00	0.83	4890.00
	YM	26.00	34.16	6.41	51.40	0.02	0.02	nd	0.37	12.90	2259.00	1.03	3966.00
	YB	27.00	34.65	2.20	67.30	0.00	2.23	nd	1.50	305.00	3073.00	1.02	4907.00
	YH	102.00	36.44	1.63	41.90	0.00	3.81	nd	28.20	796.00	4163.00	0.88	2874.00
White	WS	27.00	34.19	6.63	76.10	0.07	0.02	nd	0.48	9.29	2134.00	0.99	3478.00
	WM	27.00	34.18	6.77	68.30	0.05	0.02	nd	nd	5.71	1981.00	0.85	1482.00
	WB	29.00	33.81	5.64	63.00	0.01	2.34	nd	1.25	215.00	4415.00	1.43	5833.00
	WH	80.00	32.36	5.46	29.60	0.01	6.69	nd	nd	730.00	5436.00	0.99	10065.00

^and, non-detected.

Figure S1. Sampling map of 16 lakes in the Tibet plateau.

