

Table S1. Details of hypersaline aquatic ecosystems from Chile where no *Artemia* were found during the sampling visits in 2017 and 2018.

Region / Locality	Coordinates	Sampling date	Temperature (°C)	Salinity (g/L)	pH	Altitude (m)
North Chile- II Region-Antofagasta						
Laguna Puilar PUI (Salar de Atacama, Atacama Desert)	23°18' 16.8''S, 68°08'22''W	04/11/2017 01/06/2018	- -	30 30	- -	2,300
Salar de Tara TAR (Atacama Desert)	23°01'2.83''S, 67°19'11.9''W	04/06/2018	3	10	8.3	4,322
Salar de Pujsa PUJ (Atacama Desert)	23°11'39''S, 67°32'41''W	04/06/2018	< 0	-	-	4,500
Central Chile- VI Region-Libertador Bernardo O'Higgins						
Salinas de La Villa LAV (Pichilemu, Cardenal Caro Province)	34°31'1.09''S, 71°58'51.1''W	06/02/2018	26	70	-	7
Salinas de Boyeruca BOY (Cardenal Caro Province)	34°42.6'51''S, 72°1'56.4''W	03/02/2018	-	-	-	6
South Chile- Region-Magallanes and Chilean Antarctica						
Laguna de La Sal LLS (Porvenir, Tierra del Fuego Island)	53°17'11.0''S, 70°23'34.1''W	29/11/2017	17.3	360	7.2	0

(-) Denotes no available data