

Additional file 1. Temperature data (in °C) collected between May 28th 2014 and June 2nd 2015 from loggers positioned at the level of *L. pustulata* thalli (two loggers per population).

Months	Pool1	Pool2	Pool3	Pool4	Pool5	Pool6
January	8.97	10.65	6.73	5.99	3.44	2.50
February	8.69	9.38	5.22	4.85	1.69	1.39
March	12.43	12.47	8.77	7.83	5.20	3.97
April	16.22	16.94	13.00	14.49	10.55	9.89
May	22.94	22.63	19.38	20.88	15.81	15.09
June	25.59	26.88	22.08	24.83	18.92	18.73
July	27.37	26.76	22.89	24.09	18.96	17.81
August	28.67	28.69	24.12	27.05	21.72	20.17
September	25.81	26.64	21.51	23.02	18.92	17.68
October	21.51	23.46	17.90	18.59	15.40	14.97
November	15.13	16.69	12.89	12.66	10.23	9.35
December	10.27	11.40	7.62	6.53	4.57	3.84
	18.63	19.38	15.18	15.90	12.12	11.28
Indices	Pool1	Pool2	Pool3	Pool4	Pool5	Pool6
average temperature coldest quarter (°C)	9.31	10.48	6.52	5.79	3.23	2.58
average temperature warmest quarter (°C)	27.21	27.44	23.03	25.32	19.87	18.90
max temperature of warmest month (°C)	53.28	49.80	42.59	53.55	42.59	40.35
min temperature of coldest month (°C)	0.79	1.31	-0.45	-2.06	-2.48	-3.73
average temperature coldest month (°C)	8.69	9.38	5.22	4.85	1.69	1.39