SUPPLEMENTARY MATERIAL

Table S1. Enzyme activities (UE/mg protein) in hydrocorals *Millepora alcicornis* after the 20-day period of acclimation in the marine mesocosm system. Data are expressed as mean ± standard deviation. For each enzyme, no significant difference was observed among replicates ($p>0.05$; one-way ANOVA). HEX: hexokinase; PK: pyruvate kinase; LDH: lactate dehydrogenase; CS: citrate synthase.

Replicate	Enzyme			
	HEX	PK	LDH	CS
1	0.0213 ± 0.0038	0.401 ± 0.021	0.158 ± 0.030	0.0668 ± 0.0077
2	0.0209 ± 0.0056	0.384 ± 0.022	0.165 ± 0.036	0.0640 ± 0.0094
3	0.0229 ± 0.0041	0.402 ± 0.015	0.166 ± 0.032	0.0630 ± 0.0103
4	0.0208 ± 0.0041	0.383 ± 0.016	0.134 ± 0.031	0.0745 ± 0.0089

Table S2. Enzyme activities (UE/mg protein) in hydrocorals *Millepora alcicornis* exposed to the different experimental conditions for 16 days. Data are expressed as mean ± standard deviation. For each enzyme, no significant difference was observed among replicates at the same experimental condition ($p>0.05$; one-way ANOVA). HEX: hexokinase; PK: pyruvate kinase; LDH: lactate dehydrogenase; CS: citrate synthase.

Enzyme	Replicate	Experimental condition			
		pH 8.1	pH 7.8	pH 7.5	pH 7.2
HEX	1	0.0199 ± 0.0022	0.0228 ± 0.0018	0.0189 ± 0.0012	0.0138 ± 0.0009
	2	0.0188 ± 0.0026	0.0234 ± 0.0015	0.0185 ± 0.0013	0.0133 ± 0.0010
	3	0.0165 ± 0.0018	0.0222 ± 0.0016	0.0191 ± 0.0011	0.0155 ± 0.0008
	4	0.0165 ± 0.0020	0.0219 ± 0.0021	0.0177 ± 0.0009	0.0142 ± 0.0008
PK	1	0.339 ± 0.042	0.303 ± 0.022	0.292 ± 0.034	0.260 ± 0.042
	2	0.352 ± 0.042	0.307 ± 0.020	0.269 ± 0.038	0.267 ± 0.048
	3	0.333 ± 0.036	0.281 ± 0.023	0.299 ± 0.024	0.279 ± 0.039
	4	0.345 ± 0.038	0.285 ± 0.022	0.267 ± 0.030	0.253 ± 0.035
LDH	1	0.162 ± 0.027	0.172 ± 0.012	0.202 ± 0.025	0.172 ± 0.041
	2	0.160 ± 0.017	0.180 ± 0.005	0.189 ± 0.015	0.189 ± 0.030
	3	0.174 ± 0.030	0.182 ± 0.008	0.202 ± 0.019	0.152 ± 0.036
	4	0.157 ± 0.026	0.177 ± 0.010	0.181 ± 0.024	0.170 ± 0.034
CS	1	0.0551 ± 0.0024	0.0515 ± 0.0028	0.0553 ± 0.0100	0.0633 ± 0.0035
	2	0.0531 ± 0.0035	0.0538 ± 0.0045	0.0565 ± 0.0114	0.0663 ± 0.0016
	3	0.0544 ± 0.0042	0.0556 ± 0.0048	0.0522 ± 0.0110	0.0630 ± 0.0009
	4	0.0518 ± 0.0037	0.0540 ± 0.0033	0.0549 ± 0.0123	0.0651 ± 0.0022

Table S3. Enzyme activities (UE/mg protein) in hydrocorals *Millepora alcicornis* exposed to the different experimental conditions for 30 days. Data are expressed as mean ± standard deviation. For each enzyme, no significant difference was observed among replicates at the same experimental condition ($p>0.05$; one-way ANOVA). HEX: hexokinase; PK: pyruvate kinase; LDH: lactate dehydrogenase; CS: citrate synthase.

Enzyme	Replicate	Experimental condition			
		pH 8.1	pH 7.8	pH 7.5	pH 7.2
HEX	1	0.0140 ± 0.0015	0.0105 ± 0.0017	0.0125 ± 0.0021	0.0113 ± 0.0018
	2	0.0161 ± 0.0014	0.0121 ± 0.0016	0.0112 ± 0.0018	0.0119 ± 0.0016
	3	0.0156 ± 0.0017	0.0104 ± 0.0019	0.0116 ± 0.0021	0.0130 ± 0.0019
	4	0.0136 ± 0.0019	0.0120 ± 0.0021	0.0111 ± 0.0020	0.0117 ± 0.0019
PK	1	0.283 ± 0.038	0.264 ± 0.027	0.284 ± 0.052	0.333 ± 0.010
	2	0.316 ± 0.020	0.242 ± 0.030	0.310 ± 0.046	0.355 ± 0.012
	3	0.321 ± 0.031	0.255 ± 0.017	0.279 ± 0.057	0.340 ± 0.013
	4	0.290 ± 0.041	0.247 ± 0.020	0.280 ± 0.058	0.309 ± 0.011
LDH	1	0.156 ± 0.034	0.149 ± 0.010	0.127 ± 0.043	0.144 ± 0.008
	2	0.149 ± 0.036	0.139 ± 0.007	0.139 ± 0.053	0.130 ± 0.009
	3	0.139 ± 0.021	0.158 ± 0.009	0.113 ± 0.056	0.144 ± 0.014
	4	0.136 ± 0.025	0.145 ± 0.006	0.131 ± 0.051	0.140 ± 0.012
CS	1	0.0691 ± 0.0088	0.0284 ± 0.0061	0.0328 ± 0.0136	0.0386 ± 0.0024
	2	0.0696 ± 0.0093	0.0239 ± 0.0042	0.0346 ± 0.0121	0.0395 ± 0.0031
	3	0.0699 ± 0.0079	0.0274 ± 0.0069	0.0349 ± 0.0125	0.0437 ± 0.0060
	4	0.0626 ± 0.0094	0.0249 ± 0.0061	0.0368 ± 0.0127	0.0445 ± 0.0039