

Table S1 ANOVA on skeletal weights of symbiotic primary polyp of *Acropora digitifera* under four $p\text{CO}_2$ treatments.

Factor	df	SS	F	p
$p\text{CO}_2$	3	23912.31	16.3206	<0.0001
Symbiosis	1	116758.83	239.0698	<0.0001
$p\text{CO}_2 \times \text{Symbiosis}$	3	1977.95	1.3500	0.2604
Error	152	74234.97		

Table S2 ANOVA on the fragment weight adjusted for initial size variation (W_{AFIN}).

	Factor	df	SS	F	p
Colony a	$p\text{CO}_2$	4	0.00055	3.65	0.017
	Aquarium ($p\text{CO}_2$)	5	0.00031	1.62	0.19
	Error	26	0.00099		
Colony b	$p\text{CO}_2$	4	0.0020	7.46	$<10^{-3}$
	Aquarium ($p\text{CO}_2$)	5	0.00072	2.13	0.084
	Error	36	0.0024		
Colony c	$p\text{CO}_2$	4	0.0016	19.10	$<10^{-7}$
	Aquarium ($p\text{CO}_2$)	5	0.000059	0.58	0.71
	Error	38	0.00078		
Colony d	$p\text{CO}_2$	4	0.0070	20.65	$<10^{-8}$
	Aquarium ($p\text{CO}_2$)	5	0.0010	2.27	0.066
	Error	39	0.0033		
Colony e	$p\text{CO}_2$	4	0.0035	11.90	$<10^{-5}$
	Aquarium ($p\text{CO}_2$)	5	0.00064	1.75	0.15
	Error	32	0.0023		

Table S3 ANOVA on arcsine transformed Fv/Fm values of coral fragments from five colonies of *Acropora digitifera* under five $p\text{CO}_2$ treatments.

Factor	df	SS	F	p
$p\text{CO}_2$	4	0.002791	0.9531	0.4342
Error	216	0.158138		

Fig. S1. Calcification rates of coral nubbins from five colonies (Colonies a to e) of *Acropora digitifera* in the five $p\text{CO}_2$ treatments. Calcofocation rates were presented in two ways: (A) percentage change in buoyant weight per day, and (B) increase of CaCO_3 weight in air per day. Bars show mean \pm S.E..

Figure S1

