Table S1 ANOVA on skeletal weights of symbiotic primary polyp of *Acropora digitifera* under four pCO_2 treatments.

Factor	df	SS	*F*	p
pCO_2	3	15354.8	8.0734	<0.0001
Error	76	48181.5		

Table S2 ANOVA on skeletal weights of aposymbiotic primary polyp of *Acropora digitifera* under four pCO_2 treatments.

Factor	df	SS	*F*	p
pCO_2	3	10535.5	10.2443	<0.0001
Error	76	26053.4		

Table S3 ANOVA on the fragment weight adjusted for initial size variation.

Colony a

Factor	df	SS	*F*	p
pCO_2	4	0.00055	3.65	0.017
Aquarium (pCO_2)	5	0.00031	1.62	0.19
Error	26	0.00099		

Colony b

Factor	df	SS	*F*	p
pCO_2	4	0.0020	7.46	$<10^{-3}$
Aquarium (pCO_2)	5	0.00072	2.13	0.084
Error	36	0.0024		

Colony c

Factor	df	SS	*F*	p
pCO_2	4	0.0016	19.10	$<10^{-7}$
Aquarium (pCO_2)	5	0.000059	0.58	0.71
Error	38	0.00078		

Colony d

Factor	df	SS	*F*	p
pCO_2	4	0.0070	20.65	$<10^{-8}$
Aquarium (pCO_2)	5	0.0010	2.27	0.066
Error	39	0.0033		

Colony e

Factor	df	SS	*F*	p
pCO_2	4	0.0035	11.90	$<10^{-5}$
Aquarium (pCO_2)	5	0.00064	1.75	0.15
Error	32	0.0023		

Table S4 ANOVA on arcsine transformed *Fv/Fm* values of coral fragments from five colonies of *Acropora digitifera* under five pCO_2 treatments.

Factor	df	SS	*F*	p
pCO_2	4	0.002791	0.9531	0.4342
Error	216	0.158138		