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Supplement of

Intercomparison of four methods to estimate coral calcification under various environmental conditions

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Table S1. Calcification rates estimated by the different methods considered in this study: the alkalinity and calcium anomaly techniques (G_{AT} and G_{Ca} , respectively) as well as the ^{45}Ca and ^{13}C incorporation techniques (G_{45Ca} and G_{13C} , respectively). All rates are mean \pm standard errors of the mean (SE) and are expressed in $\mu\text{mol CaCO}_3 \text{ g DW}^{-1} \text{ h}^{-1}$.

Experiment	Beaker#	G_{AT}	SE G_{AT}	G_{Ca}	SE G_{Ca}	G_{45Ca}	SE G_{45Ca}	G_{13C}	SE G_{13C}
Ambient pH - ^{45}Ca - Light	1	3.28	0.01	3.17	0.11	3.41	0.08	NA	NA
	2	3.21	0.01	3.03	0.09	3.29	0.11	NA	NA
	3	2.69	0.01	2.89	0.04	2.77	0.08	NA	NA
	4	3.38	0.01	3.54	0.12	3.48	0.03	NA	NA
	5	2.41	0.00	2.68	0.02	2.53	0.07	NA	NA
	6	2.43	0.01	2.10	0.01	2.65	0.09	NA	NA
Ambient pH - ^{13}C - Light	1	3.26	0.01	3.29	0.06	NA	NA	1.92	1.35

2	3.30	0.01	3.23	0.07	NA	NA	4.27	2.27
3	3.09	0.01	3.06	0.03	NA	NA	5.47	3.66
4	2.98	0.01	3.14	0.02	NA	NA	3.74	1.36
5	2.80	0.01	2.92	0.06	NA	NA	3.49	0.41
6	2.73	0.01	2.81	0.04	NA	NA	3.00	1.22
1	1.33	0.01	1.50	0.01	NA	NA	2.58	0.79
2	1.63	0.01	1.63	0.02	NA	NA	0.68	0.23
3	0.85	0.01	1.03	0.01	NA	NA	0.61	0.30
4	1.24	0.00	1.32	0.00	NA	NA	3.14	3.67
5	1.96	0.00	2.07	0.01	NA	NA	3.21	1.35
6	1.42	0.00	1.46	0.02	NA	NA	3.28	4.16

Ambient pH - ¹³C - Dark

Ambient pH - ⁴⁵ Ca - Dark										
1	1.59	0.01	1.72	0.02	1.54	0.03	NA	NA	NA	NA
2	1.39	0.01	1.32	0.04	1.26	0.02	NA	NA	NA	NA
3	1.46	0.01	1.64	0.01	1.43	0.04	NA	NA	NA	NA
4	1.29	0.01	1.10	0.04	1.33	0.01	NA	NA	NA	NA
5	1.44	0.01	1.45	0.03	1.44	0.07	NA	NA	NA	NA
6	0.75	0.01	0.75	0.02	0.89	0.04	NA	NA	NA	NA
Lowered pH - ⁴⁵ Ca - Light										
1	1.00	0.04	0.05*	0.23	0.85	0.03	NA	NA	NA	NA
2	0.66	0.03	0.33	0.07	0.58	0.02	NA	NA	NA	NA
3	0.96	0.04	0.75	0.16	0.80	0.01	NA	NA	NA	NA
4	1.04	0.04	1.06	0.23	0.94	0.02	NA	NA	NA	NA
5	0.75	0.03	0.52	0.19	0.73	0.03	NA	NA	NA	NA

Lowered pH - ⁴⁵ Ca - Dark	1	4.05*	0.07	-0.01*	0.00	0.20	0.00	NA	NA
	2	0.22	0.01	0.01*	0.01	0.24	0.00	NA	NA
	3	0.25	0.01	0.22	0.03	0.30	0.00	NA	NA
	4	0.30	0.01	0.34	0.10	0.35	0.01	NA	NA
	5	0.48	0.01	0.32	0.04	0.21	0.00	NA	NA