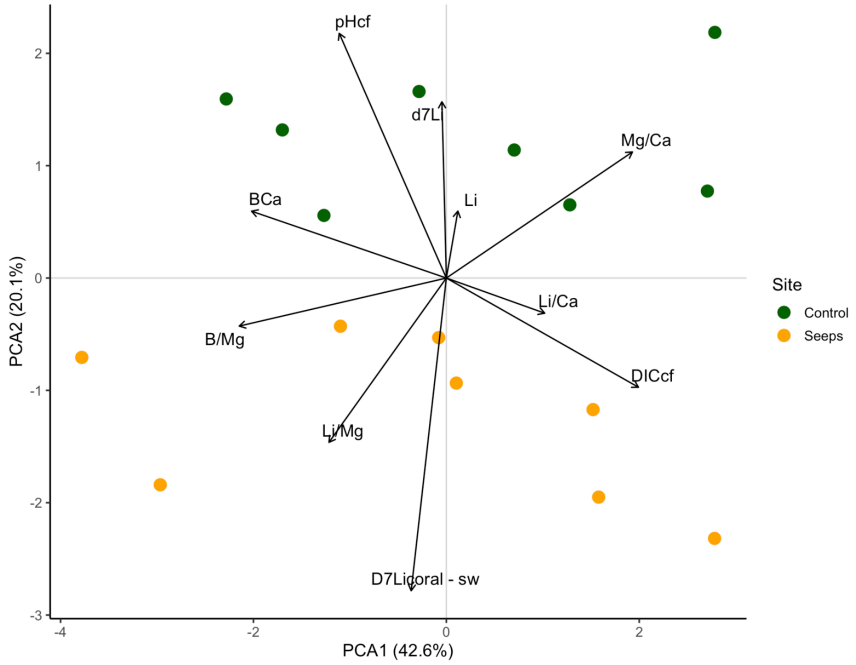
Additional Table to Sup. Information: Seawater temperature and pH_T measured at selected stations during 2016 (stations 1- 3) and in 2017 (station 4-6 and Control). Carbonate chemistry parameters were calculated with CO_2sys using the temperature and pH_T data collected by the SeaFETs at 10-min logging interval (n is in brackets), mean total alkalinity (A_T = 2158.5 and 2182.6 µmol kg^{-1}, for Control (Ctrl) and Tutum Bay stations respectively; n = 28 and 95, respectively), and salinity (34). Mean pH were calculated after conversion of data to hydrogen ion concentrations (see Pichler et al., 2019 for details of the methods).

Station		**T** (°C)	**pH_T**	***p*CO_2** µatm	**CO_2** µmol kg^{-1}	**HCO_3** µmol kg^{-1}	**CO_3^{2-}** µmol kg^{-1}	**Ω_{calc}**	**Ω_{arag}**
St Ctrl	Mean	30.37	8.007	10	1629	214	10	5.25	3.52
(146)	SD	0.12	0.035	1	33	13	1	0.32	0.22
	Min	29.84	7.917	9	1575	181	9	4.44	2.97
	Max	30.93	8.066	13	1712	235	13	5.78	3.87
St 1	Mean	30.61	7.736	881	22	1856	134	3.30	2.21
(267)	SD	0.06	0.076	183	5	49	20	0.48	0.32
	Min	30.49	7.540	555	14	1740	88	2.17	1.46
	Max	30.74	7.907	1462	36	1969	181	4.45	2.98
St 2	Mean	30.58	7.638	1138	28	1912	112	2.74	1.84
(974)	SD	0.09	0.09	263	7	50	20	0.50	0.33
	Min	30.37	7.419	638	16	1778	68	1.68	1.13
	Max	30.80	7.856	1980	49	2019	166	4.07	2.73
St 3	Mean	30.59	7.748	854	21	1848	138	3.38	2.27
(981)	SD	0.08	0.080	189	5	52	21	0.52	0.35
	Min	30.19	7.489	515	13	1716	80	1.96	1.31
	Max	30.81	7.933	1660	41	1991	191	4.69	3.14
St 4	Mean	30.51	7.625	1177	29	1921	108	2.65	1.78
(952)	SD	0.13	0.096	303	8	50	20	0.50	0.33
	Min	30.23	7.346	680	17	1801	58	1.42	0.95
	Max	30.91	7.833	2369	59	2044	157	3.85	2.57
St 5	Mean	30.55	7.516	1552	39	1961	92	2.25	1.51
(144)	SD	0.12	0.144	565	14	65	26	0.65	0.43
	Min	30.34	7.308	800	20	1842	54	1.33	0.89
	Max	30.81	7.772	2599	65	2054	140	3.43	2.30
St 6	Mean	30.48	7.685	1006	25	1888	121	2.98	2.00
(145)	SD	0.09	0.080	209	5	48	19	0.48	0.32
	Min	30.38	7.518	573	14	1751	85	2.08	1.39
	Max	30.74	7.895	1547	38	1979	177	4.34	2.91



Revised Figure 7: Principal component analysis (PCA) of coral geochemical parameters at control and seep sites. Points represent individual coral samples, with control corals shown in green and seep corals in orange. Black arrows indicate the direction of the variables in PCA space. PCA1 and PCA2 explain 42.6% and 20.1% of the total variance, respectively.

Seawater data :

Specie	Type	Li - Netpune (ng/mL)	d7Li	2se	n
Water	seep	195.2	29.1	0.03	1
Water	seep	208.3	29.5	0.03	1
Water	seep	222.1	28.7	0.03	1
Water	seep	181.4	29.4	0.03	1
Water	CTRL	174.4	31.2	0.43	3
Water	CTRL	171.1	31.3	0.53	3
Water	CTRL	188.8	32.3	0.03	1
Water	CTRL	175.5	31.7	0.17	2