

Table S6. Mean species density ($\pm$ s.d.), total percentage of cover, and mean percentage of cover of each algae species in the subtidal area, categorized by zone and time studied.

Subtidal algae metrics				Lava flows 2 months	Control zone 2 months	Lava flows 4.5 months	Control zone 4.5 months	Lava flows 7 months	Control zone 7 months
Species density				3.37 $\pm$ 1.92	8.75 $\pm$ 3.12	2.63 $\pm$ 1.23	8.09 $\pm$ 1.92	5.73 $\pm$ 2.03	7.26 $\pm$ 1.98
Total percentage of cover				63.27 $\pm$ 27.02	81.50 $\pm$ 19.83	44.96 $\pm$ 26.09	70.10 $\pm$ 21.98	52.86 $\pm$ 18.32	70.58 $\pm$ 20.09
Species	Family	Order	Phyllum						
<i>Caulerpa webbiana</i> Montagne	Caulerpaceae	Bryopsidales	Chlorophyta		0.004 $\pm$ 0.03				
<i>Pseudotetraspora marina</i> Wille	Palmellopsidaceae	Chlamydomonadales	Chlorophyta	0.01 $\pm$ 0.04				1.20 $\pm$ 4.05	0.17 $\pm$ 0.60
<i>Parvocaulis</i> sp.	Polyphysaceae	Dasycladales	Chlorophyta		0.0007 $\pm$ 0.003				0.002 $\pm$ 0.01
<i>Ulva prolifera</i> O.F.Müller	Ulviceae	Ulvales	Chlorophyta	0.001 $\pm$ 0.01		0.30 $\pm$ 2.22			
Cyanophyceae	-	-	Cyanobacteria					0.48 $\pm$ 1.24	0.02 $\pm$ 0.14
Pelagophyceae spp.	-	-	Heterokontophyta	0.03 $\pm$ 0.26	0.01 $\pm$ 0.12			0.41 $\pm$ 1.99	0.02 $\pm$ 0.12
<i>Canistrocarpus cervicornis</i> (Kützinger) De Paula & De Clerck	Dictyotaceae	Dictyotales	Heterokontophyta		10.07 $\pm$ 15.35		9.06 $\pm$ 11.24	0.008 $\pm$ 0.05	13.16 $\pm$ 14.90
<i>Dictyota ciliolata</i> Sonder ex Kützinger	Dictyotaceae	Dictyotales	Heterokontophyta				1.35 $\pm$ 4.85		0.07 $\pm$ 0.37
<i>Dictyota cyanoloma</i> Tronholm, De Clerck, A.Gómez-Garreta & Rull Lluch	Dictyotaceae	Dictyotales	Heterokontophyta		0.004 $\pm$ 0.03		0.04 $\pm$ 0.42		
<i>Dictyota cymatophila</i> Tronholm, M.Sanson & Afonso-Carrillo	Dictyotaceae	Dictyotales	Heterokontophyta				0.26 $\pm$ 1.11		0.32 $\pm$ 1.49
<i>Dictyota dichotoma</i> (Hudson) J.V.Lamouroux	Dictyotaceae	Dictyotales	Heterokontophyta		1.47 $\pm$ 3.29	0.0002 $\pm$ 0.001	2.07 $\pm$ 3.22	0.67 $\pm$ 1.51	0.23 $\pm$ 0.98
<i>Dictyota fasciola</i> (Roth) J.V.Lamouroux	Dictyotaceae	Dictyotales	Heterokontophyta		0.004 $\pm$ 0.03		0.02 $\pm$ 0.12		
<i>Dictyota friabilis</i> Setchell	Dictyotaceae	Dictyotales	Heterokontophyta		0.10 $\pm$ 0.77		0.07 $\pm$ 0.35		
<i>Dictyota humifusa</i> Hörnig, Schnetter & Coppejans	Dictyotaceae	Dictyotales	Heterokontophyta		2.08 $\pm$ 3.16		0.69 $\pm$ 1.45	0.001 $\pm$ 0.01	0.15 $\pm$ 0.47
<i>Dictyota implexa</i> (Desfontaines) J.V.Lamouroux	Dictyotaceae	Dictyotales	Heterokontophyta		0.17 $\pm$ 0.63		0.38 $\pm$ 1.32		0.42 $\pm$ 2.09
<i>Lobophora canariensis</i> (Sauvageau) C.W.Vieira, De Clerck & Payri	Dictyotaceae	Dictyotales	Heterokontophyta		0.23 $\pm$ 1.11		1.55 $\pm$ 4.72	0.95 $\pm$ 8.43	0.28 $\pm$ 1.25
<i>Lobophora dagamae</i> C.W.Vieira	Dictyotaceae	Dictyotales	Heterokontophyta				4.10 $\pm$ 12.93		
<i>Lobophora schneideri</i> C.W.Vieira	Dictyotaceae	Dictyotales	Heterokontophyta		0.04 $\pm$ 0.265		5.58 $\pm$ 17.79	0.01 $\pm$ 0.10	9.17 $\pm$ 19.27
<i>Padina pavonica</i> (Linnaeus) Thivy	Dictyotaceae	Dictyotales	Heterokontophyta		1.27 $\pm$ 8.13		0.23 $\pm$ 1.10		0.44 $\pm$ 1.46
<i>Styopodium zonale</i> (J.V.Lamouroux) Papenfuss	Dictyotaceae	Dictyotales	Heterokontophyta	0.001 $\pm$ 0.01	0.58 $\pm$ 1.54		2.04 $\pm$ 4.60		6.80 $\pm$ 11.72
<i>Taonia atomaria</i> (Woodward) J.Agardh	Dictyotaceae	Dictyotales	Heterokontophyta		17.65 $\pm$ 23.63	0.03 $\pm$ 0.19	5.36 $\pm$ 10.07	0.005 $\pm$ 0.03	0.06 $\pm$ 0.63
Ectocarpaleans/diatoms	-	Ectocarpales	Heterokontophyta	58.06 $\pm$ 26.34	0.96 $\pm$ 3.19	34.76 $\pm$ 26.23		18.87 $\pm$ 12.52	0.11 $\pm$ 0.86
<i>Nemacystus</i> sp.	Chordariaceae	Ectocarpales	Heterokontophyta		0.0003 $\pm$ 0.002		0.001 $\pm$ 0.01		
<i>Hydroclathrus clathratus</i> (C.Agardh) M.Howe	Scytosiphonaceae	Ectocarpales	Heterokontophyta						0.01 $\pm$ 0.10
<i>Rosenvingea</i> sp.	Scytosiphonaceae	Ectocarpales	Heterokontophyta	0.001 $\pm$ 0.01	0.001 $\pm$ 0.01				
<i>Rosenvingea intricata</i> (J.Agardh) Børgesen	Scytosiphonaceae	Ectocarpales	Heterokontophyta	1.03 $\pm$ 3.36				0.002 $\pm$ 0.01	
<i>Cystoseira compressa</i> (Esper) Gerloff & Nizamuddin	Sargassaceae	Fucales	Heterokontophyta		0.01 $\pm$ 0.12		0.01 $\pm$ 0.10		
<i>Sargassum</i> sp1	Sargassaceae	Fucales	Heterokontophyta				2.50 $\pm$ 4.30	0.002 $\pm$ 0.02	0.60 $\pm$ 1.33
<i>Sargassum</i> sp2	Sargassaceae	Fucales	Heterokontophyta		0.29 $\pm$ 0.83		0.48 $\pm$ 1.61		0.05 $\pm$ 0.30
<i>Halopteris scoparia</i> (Linnaeus) Sauvageau	Stypocaulaceae	Sphacelariales	Heterokontophyta						1.65 $\pm$ 6.99
<i>Acrosymphyton purpuriferum</i> (J.Agardh) G.Sjöstedt	Acrosymphytaceae	Acrosymphytales	Rhodophyta	0.001 $\pm$ 0.01				0.01 $\pm$ 0.10	0.12 $\pm$ 1.16
<i>Asparagopsis taxiformis</i> (Delile) Trevisan	Bonnemaisoniaceae	Bonnemaisoniales	Rhodophyta		0.04 $\pm$ 0.19		3.48 $\pm$ 11.75		0.16 $\pm$ 0.96

<i>Asparagopsis taxiformis</i> (Delile) Trevisan [<i>Falkenbergia</i> stage]	Bonnemaisoniaceae	Bonnemaisoniales	Rhodophyta		0.05±0.28		0.003±0.02		
Ceramiales	-	Ceramiales	Rhodophyta	0.21±0.38	0.21±0.84	1.82±2.97	0.01±0.10	0.01±0.06	0.02±0.21
<i>Dasya baillouviana</i> Zanardini	Delesseriaceae	Ceramiales	Rhodophyta	1.29±4.80		2.14±8.50		0.30±1.11	
<i>Cottoniella filamentosa</i> (M.Howe) Børgesen	Delesseriaceae	Ceramiales	Rhodophyta	0.07±0.27	6.52±12.69	1.00±3.44	7.35±13.09	5.95±9.12	5.86±13.85
<i>Lophocladia trichoclados</i> (C.Agardh) F.Schmitz	Rhodomelaceae	Ceramiales	Rhodophyta		15.59±14.26		9.89±15.98	0.51±1.95	22.54±25.71
Crustose coralline algae	-	Corallinales	Rhodophyta	2.60±5.16	20.26±21.49	4.74±12.21	11.51±10.87	15.65±16.78	6.00±6.80
<i>Corallina berteroi</i> Montagne ex Kützing	Corallinaceae	Corallinales	Rhodophyta		0.69±2.84		0.07±0.40		0.0001±0.001
<i>Jania pedunculata</i> var. <i>adhaerens</i> (J.V.Lamouroux) A.S.Harvey, Woelkerling & Reviers	Corallinaceae	Corallinales	Rhodophyta		0.22±0.32	0.0001±0.001	0.51±0.73	0.04±0.13	0.15±0.32
<i>Jania pumila</i> J.V.Lamouroux	Corallinaceae	Corallinales	Rhodophyta						0.13±0.41
<i>Amphiroa</i> sp.	Lithophyllaceae	Corallinales	Rhodophyta		0.89±0.87		0.27±0.91	0.03±0.19	0.79±1.39
<i>Meristotheca decumbens</i> Grunow	Solieriaceae	Gigartinales	Rhodophyta			0.0001±0.001			
<i>Ganonema farinosum</i> (J.V.Lamouroux) K.-C.Fan & Y.-C.Wang	Liagoraceae	Nemaliales	Rhodophyta					1.58±5.90	
<i>Ganonema lubricum</i> Afonso-Carrillo, Sansón & Reyes	Liagoraceae	Nemaliales	Rhodophyta	0.17±0.71				0.48±2.14	
<i>Liagora</i> sp.	Liagoraceae	Nemaliales	Rhodophyta	0.001±0.01				4.80±11.38	
<i>Peyssonnelia</i> sp.	Peyssonneliaceae	Peyssonneliales	Rhodophyta		1.98±7.01		0.98±5.80	0.04±0.24	0.92±3.99
<i>Peyssonnelia</i> sp2	Peyssonneliaceae	Peyssonneliales	Rhodophyta			0.02±0.21	0.10±0.94	0.65±2.21	