



Figure S1 Percent cover of *Balanus glandula* cover (\pm SD) over time in the “No-barnacles” and “Barnacles” experimental plots (n=6). *Balanus glandula* were allowed to recruit during 28 days after the removal of mussels in all the plots in the “Barnacles” treatment, a gradual decrease in the percentage of *B. glandula* cover was observed due to the fact that the plots were covered by mussels and dead barnacles. In the “No-barnacles” treatment, *B. glandula* densities remained low over time.

Table S1. Sampling dates and days elapsed between a sampling date and the consecutive one.

Activity	Time (days)	Sampling date	Seasons	Days between samplings
Mussel removal	-28	Oct 14 2015		
Barnacle removal (No-barnacle treatment)	0	Nov 11 2015	spring	
Sampling date 1	36	Dec 17 2015	summer	36
Sampling date 2	58	Jan 8 2016	summer	22
Sampling date 3	97	Feb 16 2016	summer	39
Sampling date 4	125	Mar 15 2016	summer	28
Sampling date 5	163	Apr 22 2016	autumn	38
Sampling date 6	192	May 21 2016	autumn	29
Sampling date 7	226	Jun 24 2016	winter	34
Sampling date 8	251	Jul 19 2016	winter	25
Sampling date 9	289	Aug 26 2016	winter	38
Sampling date 10	320	Sep 26 2016	spring	31
Sampling date 11	349	Oct 25 2016	spring	29
Sampling date 12	383	Nov 28 2016	spring	34
Sampling date 13	423	Jan 7 2017	summer	40
Sampling date 14	440	Jan 24 2017	summer	17
Sampling date 15	471	Feb 24 2017	summer	31
Sampling date 16	504	Mar 29 2017	autumn	33
Sampling date 17	542	May 06 2017	autumn	38

Table S2. Summary of SIMPER results indicating individual and cumulative contribution of taxa to assemblage dissimilarity between pairs of plots with the presence or absence of *B. glandula*, which differed after pairwise PERMANOVA.

Date time	Time (days)	Species	Av.Diss	Diss/SD	Contrib%	Cum.%
3	97	<i>Siphonaria lessonii</i>	14.2	3.04	51.49	51.49
		<i>Ulva</i> spp.	4.14	0.78	15	66.49
		<i>Brachidontes rodriguezii</i>	3.77	1.63	13.67	80.16
		<i>Hildenbrandia</i> sp.	3.7	1.22	13.41	93.57
4	125	<i>Siphonaria lessonii</i>	10.69	1.17	40.62	40.62
		<i>Ralfsia</i> sp.	7.44	1.1	28.27	68.89
		<i>Hildenbrandia</i> sp.	4.09	1.17	15.56	84.45
		<i>Brachidontes rodriguezii</i>	4.09	1.2	15.55	100
5	163	<i>Siphonaria lessonii</i>	18.66	3.12	52.08	52.08
		<i>Ralfsia</i> sp.	8.58	1.04	23.95	76.03
		<i>Hildenbrandia</i> sp.	5.31	1.12	14.81	90.85
6	192	<i>Siphonaria lessonii</i>	11.3	2.1	32.62	32.62
		<i>Ralfsia</i> sp.	10.2	1.7	29.44	62.06
		<i>Brachidontes rodriguezii</i>	7.38	1.42	21.31	83.38
		<i>Hildenbrandia</i> sp.	3.8	1.1	10.98	94.35
7	226	<i>Ralfsia</i> sp.	14.28	1.34	40.36	40.36
		<i>Siphonaria lessonii</i>	9.22	1.67	26.04	66.4
		<i>Brachidontes rodriguezii</i>	5.53	1.32	15.62	82.02
		<i>Hildenbrandia</i> sp.	3.05	1.19	8.61	90.63
8	251	<i>Ralfsia</i> sp.	13.08	1.41	38.62	38.62
		<i>Siphonaria lessonii</i>	6.32	1.45	18.65	57.27
		<i>Hildenbrandia</i> sp.	4.76	0.79	14.05	71.32
		<i>Briopsis</i> sp.	4.43	0.69	13.09	84.41
		<i>Brachidontes rodriguezii</i>	3.89	1.05	11.5	95.91
9	289	<i>Ralfsia</i> sp.	13.93	2.15	30.95	30.95
		<i>Siphonaria lessonii</i>	7.76	2.2	17.24	48.19
		<i>Briopsis</i> sp.	6.77	0.71	15.05	63.24
		<i>Brachidontes rodriguezii</i>	6.07	1.42	13.49	76.74
		<i>Porphyra</i> spp.	4.31	0.61	9.57	86.31
		<i>Hildenbrandia</i> sp.	3.64	0.99	8.09	94.39
10	320	<i>Ralfsia</i> sp.	10.47	1.77	32.62	32.62
		<i>Brachidontes rodriguezii</i>	4.94	1.31	15.4	48.02
		<i>Briopsis</i> sp.	4.33	0.78	13.48	61.5
		<i>Siphonaria lessonii</i>	3.85	1.54	11.99	73.49
		<i>Porphyra</i> spp.	3.17	0.61	9.86	83.35
		<i>Polysiphonia</i> sp.	2.3	0.82	7.18	90.53
11	349	<i>Ralfsia</i> sp.	11.31	1.72	23.82	23.82
		<i>Siphonaria lessonii</i>	7.6	1.74	16.01	39.82
		<i>Porphyra</i> spp.	6.33	1.16	13.33	53.16
		<i>Briopsis</i> sp.	5.83	0.69	12.26	65.42
		<i>Brachidontes rodriguezii</i>	5.5	1.16	11.58	77
		<i>Nemalion</i> sp.	3.6	0.44	7.59	84.59
		<i>Ulva</i> spp.	3.19	0.95	6.71	91.3
12	383	<i>Porphyra</i> spp.	6.97	1.12	14.26	14.26

		<i>Ulva</i> spp.	6.83	1.11	13.98	28.24
		<i>Briopsis</i> sp.	6.65	1.19	13.6	41.84
		<i>Ralfsia</i> sp.	5.6	1.44	11.46	53.31
		<i>Polysiphonia</i> sp.	5.24	1.03	10.72	64.03
		<i>Siphonaria lessonii</i>	4.39	1.38	8.98	73.01
		<i>Hildenbrandia</i> sp.	3.89	0.67	7.97	80.98
		<i>Chaetomorpha</i> sp.	3.28	0.44	6.71	87.69
		<i>Nemalion</i> sp.	3.1	0.44	6.35	94.03
15	471	<i>Ralfsia</i> sp.	10.66	1.42	26.9	26.9
		<i>Siphonaria lessonii</i>	9.62	2.08	24.29	51.18
		<i>Brachidontes rodriguezii</i>	8.81	1.05	22.23	73.41
		<i>Polysiphonia</i> sp.	4.64	0.72	11.71	85.12
		<i>Hildenbrandia</i> sp.	3.62	0.91	9.15	94.27
16	504	<i>Ralfsia</i> sp.	11.51	1.63	29.72	29.72
		<i>Brachidontes rodriguezii</i>	9.03	1.6	23.31	53.03
		<i>Polysiphonia</i> sp.	6.27	0.91	16.19	69.21
		<i>Siphonaria lessonii</i>	4.7	1.21	12.15	81.36
		<i>Briopsis</i> sp.	4.34	0.67	11.22	92.58
17	542	<i>Ralfsia</i> sp.	14.84	1.36	31.01	31.01
		<i>Brachidontes rodriguezii</i>	11.5	1.68	24.03	55.05
		<i>Siphonaria lessonii</i>	7.93	1.51	16.57	71.62
		<i>Polysiphonia</i> sp.	7.38	0.82	15.42	87.04
		<i>Briopsis</i> sp.	3.27	0.68	6.84	93.89

Table S3. List of macroalgae genera found on each sample date. Crosses that are underlined and italicized indicate species that were only found in the “No-Barnacles” plots, while bolded crosses indicate species that were only found in the “Barnacles” plots.

Macroalgae	Spring	Summer			Autumn			Winter			Spring			Summer		Autumn		
	36	58	97	125	163	192	226	251	289	320	349	383	423	440	471	504	542	
Genera																		
<i>Ulva</i> spp.	x	x	x							X		x	x	x	X	<u>X</u>	<u>X</u>	
<i>Polysiphonia</i> sp.							<u>X</u>	<u>X</u>	x	x	x	x	x	x	<u>X</u>	x	x	x
<i>Bryopsis</i> sp.							<u>X</u>	<u>X</u>		x	<u>X</u>	x	x		<u>X</u>	<u>X</u>	<u>X</u>	
<i>Porphyra</i> sp.	x	x							x	x	x	x	x		<u>X</u>			
<i>Nemalion</i> sp.																	<u>X</u>	