

SIMPER analysis showing the differences between assemblages from different sites. Taxa are shown (60% “cut-off”) and their contribution to dissimilarity. Abbreviations: EA: encrusting algae

	Site 3		Site 1		Site 2	
Site 1	74,7					
	Diatom filaments	12,20				
	Pink EA	7,07				
	<i>H. grandifolius</i>	6,94				
	Substrate	6,44				
	<i>P. decipiens</i>	5,67				
	Indet. red algae 4	5,27				
	White EA	4,67				
	<i>O. validus</i>	4,51				
	<i>Desmarestia</i> sp.	3,55				
	<i>M. acerata</i>	3,42				
Site 2	71,45		68,32			
	Diatom filaments	12,33	Diatom filaments	7,61		
	Pink EA	11,64	<i>H. grandifolius</i>	7,15		
	<i>P. decipiens</i>	8,80	Pink EA	6,90		
	<i>H. grandifolius</i>	8,60	<i>P. decipiens</i>	6,50		
	Substrate	6,84	Substrate	5,57		
	<i>P. cartilagineum</i>	5,49	<i>Desmarestia</i> sp.	4,90		
	<i>O. validus</i>	4,89	Indet. green algae 1	4,58		
			<i>P. cartilagineum</i>	4,21		
			White EA	4,10		
			Red EA	3,91		
			<i>M.(Oxymycale) acerata</i>	3,40		
Site 4	50,42		71,33		67,22	
	Substrate	12,35	Diatom filaments	12,48	Diatom filaments	12,69
	<i>P. decipiens</i>	12,00	Pink EA	7,37	Pink EA	10,38
	Diatom filaments	10,26	<i>H. grandifolius</i>	7,34	<i>H. grandifolius</i>	9,46
	<i>O. validus</i>	8,97	<i>P. decipiens</i>	6,32	<i>P. decipiens</i>	9,25
	<i>H. grandifolius</i>	5,89	Substrate	6,02	Substrate	6,98
	<i>P. cartilagineum</i>	5,23	Indet. green algae 1	5,35	<i>P. cartilagineum</i>	5,26
	Pink EA	5,19	White EA	5,15	<i>Desmarestia</i> sp.	5,23
			<i>Desmarestia</i> sp.	4,20		
			<i>N. concinna</i>	3,86		

SIMPER analysis showing the differences between assemblages from different depths. Taxa are shown (60% “cut-off”) and their contribution to dissimilarity. Abbreviations: EA: encrusting algae; indet: indeterminadas

	5 m	10 m	15 m
10 m	65,4 Diatom filaments 14,76 <i>P. decipiens</i> 11,21 Pink EA 10,39 Substrate 9,59 Desmarestia sp. 7,15 <i>H. grandifolius</i> 6,28		
15 m	68,82 Diatom filaments 13,00 <i>P. decipiens</i> 9,26 Pink EA 9,21 <i>H. grandifolius</i> 7,98 Substrate 7,64 Desmarestia sp. 6,32 <i>N. concinna</i> 4,61	57,55 <i>H. grandifolius</i> 10,46 Diatom filaments 9,80 Pink EA 7,88 <i>P. decipiens</i> 7,37 Substrate 7,34 <i>O. validus</i> 5,40 Red EA 4,16 <i>P. cartilagineum</i> 4,01	
20 m	75,72 Diatom filaments 9,95 <i>P. decipiens</i> 7,59 Pink EA 7,37 Substrate 6,83 <i>H. grandifolius</i> 6,13 <i>P. cartilagineum</i> 5,68 Indet. green algae 1 5,12 Desmarestia sp. 4,93 <i>N. concinna</i> 3,74	66,42 Diatom filaments 9,27 <i>H. grandifolius</i> 7,65 Substrate 6,65 <i>P. decipiens</i> 6,47 <i>P. cartilagineum</i> 6,34 Pink EA 5,89 Indet. green algae 1 5,74 Indet. red algae 4 4,41 <i>O. validus</i> 3,99	62,17 Diatom filaments 8,41 <i>H. grandifolius</i> 7,94 <i>P. cartilagineum</i> 6,45 <i>P. decipiens</i> 6,21 Indet. green algae.1 6,16 Substrate 5,75 Pink EA 4,45 Indet. red algae 4 4,20 <i>O. validus</i> 4,04 Indet. red algae 3 3,94