The following supplement accompanies the article

Resistance of benthic intertidal communities to multiple disturbances and stresses

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Supplement

Table S1. Taxa list (with classification) found during the sampling period at Sainte-Flavie, Quebec, Canada. Taxa marked with * were removed in the canopy treatments, and taxa with ** were removed in the grazer exclusion treatments.

Species	Type	Phylum	Class	Order	Family
Algae					
Chordaria flagelliformis	Brown algae	Ochrophyta	Phaeophyceae	Ectocarpales	Chordariaceae
Ectocarpus sp.	Brown algae	Ochrophyta	Phaeophyceae	Ectocarpales	Ectocarpaceae
*Fucus distichus edentatus**	Brown algae	Ochrophyta	Phaeophyceae	Fucales	Fucaceae
*Fucus vesiculosus**	Brown algae	Ochrophyta	Phaeophyceae	Fucales	Fucaceae
Laminaria sp.	Brown algae	Ochrophyta	Phaeophyceae	Laminariales	Laminariaceae
Ralfsia fungiformis	Brown algae	Ochrophyta	Phaeophyceae	Ralfsiales	Ralfsiaceae
Stragularia clavata	Brown algae	Ochrophyta	Phaeophyceae	Scytosiphonales	Scytosiphonaceae
Clathromorphum circumscriptum	Red algae	Rhodophyta	Florideophyceae	Corallinales	Hapalidiaceae
Rhodomela confervoides	Red algae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae
Hildenbrandia rubra	Red algae	Rhodophyta	Rhodophyceae	Hildenbrandiales	Hildenbrandiaceae
Ulvaceae	Green algae	Chlorophyta	Ulvophyceae	Ulvales	Ulvaceae
Invertebrates					
*Lacuna vincta***	Animals	Mollusca	Gastropoda	Littorinimorpha	Littorinidae
*Littorina obtusata***	Animals	Mollusca	Gastropoda	Littorinimorpha	Littorinidae
*Littorina saxatilis***	Animals	Mollusca	Gastropoda	Littorinimorpha	Littorinidae
*Littorina littorea***	Animals	Mollusca	Gastropoda	Littorinimorpha	Littorinidae
Margarites sp.**	Animals	Mollusca	Gastropoda	Archaeogastropoda	Trochidae
Nudibranchia	Animals	Mollusca	Gastropoda	Nudibranchia	
*Skeneopsis planorbis***	Animals	Mollusca	Gastropoda	Littorinimorpha	Skeneopsidae
*Tectura Testudinalis***	Animals	Mollusca	Gastropoda	Patellogastropoda	Lottidae
Macoma Balthica	Animals	Mollusca	Bivalva	Veneroida	Tellinidae
Mya arenaria	Animals	Mollusca	Bivalva	Myoida	Myidae
Mytilus edulis	Animals	Mollusca	Bivalva	Mytiloida	Mytilidae
Balanus sp.	Animals	Arthropoda	Maxillopoda	Sessilia	Balanidae
*Jaera marina***	Animals	Arthropoda	Malacostraca	Isopoda	Janiridae
Etone sp.	Animals	Annelida	Polychaeta	Phyllodocida	Phyllodocidae
Fabricia sabella	Animals	Annelida	Polychaeta	Sabellida	Fabriciidae
Lepidonotus squamatus	Animals	Annelida	Polychaeta	Phyllodocida	Polynoidae
Nereis sp.	Animals	Annelida	Polychaeta	Phyllodocida	Nereididae
Pectinaria gouldii	Animals	Annelida	Polychaeta	Terebellida	Pectinariidae
Phyllodocidae	Animals	Annelida	Polychaeta	Phyllodocida	
Phyllodoce maculata	Animals	Annelida	Polychaeta	Phyllodocida	Phyllodocidae
Oligochaeta sp.	Animals	Annelida	Clitellata (oligochaeta)		
Cyanophthalma obscura	Animals	Nermertea	Enopla	Monostilifera	Tetrastemmatidae
Nemerta	Animals	Nermertea			
Aulactinia stella	Animals	Cnidaria	Anthozoa	Actiniaria	Actiniidae

Table S2. Summary of repeated measures ANOVAs showing the effects among Periods (2 to 4; Period 1 was excluded in this analysis) of canopy (Ca), grazer (Gr) and nutrient enrichment (Nu) treatments and crossed factors on a) % cover, b) richness, and c) Simpson's index of diversity of the associated species of the community. Significant values are shown in bold.

	df	*F* Ratio	*p*
a) % Cover			
Between subjects			
Ca	1	0.4791	0.4955
Gr	1	1.6410	0.2124
Nu	1	0.0252	0.8752
CaxGr	1	0.0575	0.8125
CaxNu	1	1.2562	0.2735
GrxNu	1	0.2039	0.6557
CaxGrxNu	1	1.9641	0.1739
Residual	24		
Within subjects			
Period	2	2.4870	0.0938
Period x Ca	2	0.8563	0.4311
Period x Gr	2	0.8079	0.4518
Period x Nu	2	0.8965	0.4147
Period x CaxGr	2	0.8412	0.4375
Period x CaxNu	2	0.3138	0.7321
Period x GrxNu	2	2.5536	0.0883
Period x CaxGrxNu	2	0.9655	0.3881
Residual	48		

	df	*F* Ratio	*p*
b) Richness			
Between subjects			
Ca	1	49.9307	**<.0001**
Gr	1	0.7426	0.3974
Nu	1	0.0297	0.8646
CaxGr	1	3.5941	0.0701
CaxNu	1	0.2673	0.6099
GrxNu	1	8.5842	**0.0073**
CaxGrxNu	1	0.2673	0.6099
Residual	24		
Within subjects			
Period	2	181.16	**<.0001**
Period x Ca	2	10.666	**0.0001**
Period x Gr	2	0.2558	0.7754
Period x Nu	2	0.0484	0.9528
Period x CaxGr	2	0.1313	0.8772
Period x CaxNu	2	1.3894	0.2591
Period x GrxNu	2	3.6152	**0.0345**
Period x CaxGrxNu	2	0.1452	0.8653
Residual	48		

	df	*F* Ratio	*p*
c) Diversity*			
Between subjects			
Ca	1	1.2167	0.2810
Gr	1	2.4978	0.1271
Nu	1	0.4291	0.5187
CaxGr	1	9.0454	**0.0061**
CaxNu	1	0.5752	0.4556
GrxNu	1	0.0617	0.8060
CaxGrxNu	1	0.4469	0.5102
Residual	24		
Within subjects			
Period	2	4.8607	**0.0120**
Period x Ca	2	1.3092	0.2795
Period x Gr	2	0.7229	0.4905
Period x Nu	2	0.0324	0.9681
Period x CaxGr	2	0.0508	0.9505
Period x CaxNu	2	0.9447	0.3959
Period x GrxNu	2	0.4969	0.6115
Period x CaxGrxNu	2	0.0484	0.9528
Residual	48		

*Mauchly's test of sphericity only failed for Diversity, however conclusions remains unchanged irrespective of whether adjusted or unadjusted df and *p*-values from Huynh-Feldt or Greenhouse-Geisser corrections are used.