

Supplementary material

Differentiating the roles of shrimp and aquatic insects in leaf processing in a Neotropical stream

Claudia M. Andrade^{A,B}, *Vinicius Neres-Lima*^C and *Timothy P. Moulton*^{C,D}

^APrograma de Pós-graduação em Ecologia e Evolução, Instituto de Biologia Roberto Alcântara Gomes, Universidade do Estado do Rio de Janeiro, RJ, Brazil.

^BPresent address: Laboratório de Limnologia, Departamento de Ecologia, Instituto de Biologia, Universidade Federal do Rio de Janeiro, Avenida Carlos Chagas Filho 373, Edifício CCS, Bloco A, Ilha do Fundão, Rio de Janeiro, RJ 21941-902, Brazil.

^CDepartamento de Ecologia, Instituto de Biologia Roberto Alcântara Gomes, Universidade do Estado do Rio de Janeiro, Rua São Francisco Xavier 524, Maracanã, Rio de Janeiro, RJ 20550-013, Brazil.

^DCorresponding author. Email: moulton.timothy@gmail.com

Table S1. Abundance of macroinvertebrate taxa per leaf pack in exclusion treatments of both experiments (mean of 4 replicates and 5 sampling dates, \pm s.e.)

Taxa	Experiment 1			Experiment 2		
	Control	Low	High	Control	Low	High
Diptera						
Ceratopogonidae	0	0	0	0	0.1 (\pm 0.2)	0.1 (\pm 0.2)
<i>Stenochironomus</i> (Chironomidae)	0.4 (\pm 0.9)	0.4 (\pm 1.2)	0.3 (\pm 0.9)	0.2 (\pm 0.6)	0.9 (\pm 2.0)	1.2 (\pm 1.6)
Tanypodinae (Chironomidae)	0	0.33 (\pm 0.7)	0.1 (\pm 0.3)	0.1 (\pm 0.3)	0.2 (\pm 0.6)	0.9 (\pm 1.7)
Chironomidae (other)	1.5 (\pm 1.6)	5 (\pm 9.3)	7.3 (\pm 12.9)	1.0 (\pm 1.7)	2.6 (\pm 2.4)	7.6 (\pm 5.7)
Ephemeroptera						
Baetidae	1.6 (\pm 2.5)	1.6 (\pm 2.3)	0.4 (\pm 1.3)	2.0 (\pm 1.9)	1.5 (\pm 1.9)	0.4 (\pm 0.6)
Leptophlebiidae	0.7 (\pm 1.5)	1.6 (\pm 1.7)	0.5 (\pm 0.9)	1.5 (\pm 1.9)	1.9 (\pm 2.6)	0.6 (\pm 1.0)
Coleoptera						
Elmidae	0	0.1 (\pm 0.3)	0.04 (\pm 0.2)	0	0.1 (\pm 0.2)	0
Odonata						
Libellulidae	0.04 (\pm 0.2)	0	0	0	0	0
Plecoptera						
Perlidae	0	0	0	0.1 (\pm 0.3)	0.1 (\pm 0.3)	0
Trichoptera						
Helicopsychidae	0.1 (\pm 0.4)	0	0	0	0	0
<i>Macronema</i> (Hydropsychidae)	0.04 (\pm 0.2)	0.1 (\pm 0.3)	0	0	0	0.3 (\pm 0.6)
<i>Phylloicus</i> (Calamoceratidae)	0	0.05 (\pm 0.2)	0.04 (\pm 0.2)	0.1 (\pm 0.3)	0	0.2 (\pm 0.4)
<i>Triplectides</i> (Leptoceridae)	0.04 (\pm 0.2)	0	0.2 (\pm 0.5)	0.1 (\pm 0.3)	0.4 (\pm 0.6)	1.1 (\pm 2.0)
Decapoda						
<i>Potimirim</i> (Athyidae)	0.04 (\pm 0.2)	0	0	0.2 (\pm 0.6)	0	0