

Supplementary materials

Table S1. Score (S) and frequency (F_x) of the invertebrate trait categories (Tachet et al. 2000) used to characterize resilience, resistance, and avoidance to osmotic stress of each taxon. ⁽ⁱ⁾ Sum of the scores of the aquatic life stages for taxa with non-aquatic stages only.

Attribute	Resilience						Resistance		Avoidance			
Trait	Lifespan		Reproduction		Respiration		Generations /year		Aquatic life stages ⁽ⁱ⁾		Reproduction Terrestrial	
Category	< 1 year		Ovoviviparous		Aerial		>1					
Taxon	S	F _x	S	F _x	S	F _x	S	F _x	S	F _x	S	F _x
Gastropoda												
Physidae	3	0.75	0	0	0	0	0	0	0	0	0	0
Insecta: Ephemeroptera												
Baetidae	3	1.00	3	0.60	0	0	3	1.00	6	1.00	0	0
Caenidae	3	1.00	0	0	0	0	3	1.00	6	1.00	0	0
Insecta: Odonata												
Coenagrionidae	0	0	0	0	0	0	0	0	6	1.00	0	0
Corduliidae	1	0.25	0	0	0	0	0	0	6	1.00	0	0
Insecta: Heteroptera												
Notonectidae	3	0.60	0	0	3	0.60	0	0	0	0	0	0
Corixidae	3	1.00	0	0	2	0.33	2	0.40	0	0	0	0
Veliidae	3	1.00	0	0	2	1.00	1	0.25	0	0	1	0.50
Insecta: Coleoptera												
Noteridae	0	0	0	0	3	0.50	0	0	0	0	0	0
Dytiscidae	0	0	0	0	3	0.75	0	0	0	0	0	0
Insecta: Diptera												
Chaoboridae	3	1.00	0	0	0	0	1	0.25	0	0	0	0
Culicidae	3	1.00	0	0	3	1.00	2	0.50	0	0	1	0.20
Chironomidae	3	1.00	1	0.20	0	0	3	0.75	3	1.00	0	0
Limoniidae	1	1.00	0	0	3	0.75	1	0.25	0	0	0	0

References

Tachet, H.; Richoux, P.; Bournaud, M.; Usseglio-Polatera, P. *Invertébrés d'eau douce – systématique, biologie, écologie*. CNRS Éditions: Paris, France, **2000**.