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Supplementary Material

Benthic macroinvertebrates in rivers of agricultural lands in Argentina: the functional diversity response to environmental stress

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Table S1. Affinity of taxa for traits modalities.

Taxa	Group 1	Group 2	Group 3	Group 4	Suckers	Anal hook	Tarsal hook	Flow NA	Aerial	Aquatic	Collector–gatherer	Collector–filterer	Predator	Scraper
Aegla sp.	0	0	0	3	0	0	3	0	0	3	0	0	3	0
Americabaetis sp.	0	0	0	3	0	0	3	0	3	0	3	0	0	0
Berosus sp.	0	0	0	3	0	0	0	3	3	0	3	0	0	0
Bothrioneurum sp.	0	0	0	3	0	0	0	3	0	3	3	0	0	0
Brinkhursia americanus	0	0	0	3	0	0	0	0	0	3	3	0	0	0
Chironomus sp	0	3	0	0	0	3	0	0	3	0	3	0	0	0
Cladocera	3	0	0	0	0	0	0	3	0	3	0	3	0	0
Corbicula fluminea	3	0	0	0	0	0	0	3	0	3	0	3	0	0
Cricotopus sp.	0	3	0	0	0	3	0	0	3	0	3	0	0	0
Cyclopoidea	3	0	0	0	0	0	0	3	0	3	0	3	0	0
Cyrnelus sp.	0	0	0	3	0	3	0	0	3	0	1	0	3	0
Dero sp.	3	0	0	0	0	0	0	3	0	3	3	0	0	0
Dicrotendipes sp	0	0	0	3	0	3	0	0	3	0	3	0	0	0
Dugesidae	3	0	0	0	0	0	0	3	0	3	0	0	3	0
Entomobrydae	0	0	0	3	0	0	0	3	0	3	3	0	0	0
Harpacticoidea	3	0	0	0	0	0	0	3	0	3	3	1	0	0
Helleobia sp.	3	0	0	0	1	0	0	3	0	3	0	0	0	3
Heterocorixa sp.	0	0	0	3	0	0	3	0	0	3	1	0	1	0
Hydrachnidae	0	0	0	3	0	0	1	3	0	3	3	0	0	0
Hydroptilidae	0	0	0	3	0	3	0	0	3	0	3	0	0	0
Hirudinea	0	0	0	3	3	0	0	0	0	3	0	0	3	0
Hyalella curvispina	0	0	0	3	0	0	3	0	0	3	3	0	0	0
Hydra sp.	3	0	0	0	3	0	0	0	0	3	0	0	3	0
Limnodrilus hoffmaisteri	0	0	0	3	0	0	0	3	0	3	3	0	0	0
Nais sp.	3	0	0	0	0	0	0	3	0	3	3	0	0	0
Cyanocyclas sp.	3	0	0	0	0	0	0	3	0	3	0	3	0	0
Ophidonais serpentina	3	0	0	0	0	0	0	3	0	3	3	0	0	0
Ostracoda	3	0	0	0	0	0	0	3	0	3	0	3	0	0
Paranais frici	3	0	0	0	0	0	0	3	0	3	3	0	0	0
Pisidium sp.	0	0	0	3	0	0	0	3	0	3	0	3	0	0
Poduridae	0	0	0	3	0	0	0	3	0	3	3	0	0	0
Polycentropodidae	0	0	0	3	0	3	0	0	3	0	0	0	3	0
Polypedilum sp.	0	3	0	0	0	3	0	0	3	0	3	0	0	0
Pristina sp.	0	0	0	3	0	0	0	3	0	3	3	0	0	0
Procladius sp.	0	0	3	0	0	3	0	0	3	0	0	0	3	0
Slavina isoachaeta	0	0	0	3	0	0	0	3	0	3	3	0	0	0
Sthephensoniana tribandrana	0	0	0	3	0	0	0	3	0	3	3	0	0	0
Tenagobia sp.	0	0	0	3	0	0	3	0	0	3	3	0	0	0
Thienemannimyia sp.	0	0	0	3	0	3	0	0	3	0	3	0	0	0
Tipulidae	0	0	0	3	0	0	0	3	3	0	3	0	0	0
Tobrilus sp.	0	0	0	3	0	3	0	0	0	3	3	0	0	0

Group 1, taxa that present resistance eggs or cysts; Group 2, taxa that overcome drought as eggs; Group 3, taxa that avoid drought, leaving the water body before it dries up; Group 4: species that are not adapted to drought; Flow NA, no adaptation to high flow velocity.

Table S2. Mean densities of taxa (individuals m^{-2}) in each sampling site.

	S1	S2	S3	S4	S5	S6	S7
Aegla sp.	0	0	0	0	0	0	33
Americabaetis sp.	0	0	0	3150	467	0	0
Berosus sp.	0	0	0	33	0	0	0
Bothrioneurum sp.	67	167	0	0	0	100	0
Brinkhursia americanus	0	0	0	0	0	0	33
Chironomus sp.	0	617	5667	283	283	150	533
Cladocera	0	100	33	1750	0	0	0
Corbicula fluminea	133	0	0	0	0	149	83
Cricotopus sp.	0	167	0	0	0	0	100
Cyclopoidea	0	117	67	133	133	33	67
Cyrnelus sp.	0	0	0	0	33	0	0
Dero sp.	0	67	33	0	0	0	0
Dicrotendipes sp	0	33	0	0	0	0	0
Dugesidae	0	0	0	67	0	0	0
Entomobrydae	0	0	0	33	0	33	0
Harpacticoidea	167	400	23522	950	300	67	0
Helleobia sp.	267	33	0	350	0	0	0
Heterocorixa sp.	33	0	0	0	0	0	0
Hydrachnidae	0	0	0	0	67	0	0
Hydroptilidae	0	0	0	0	100	0	0
Hirudinea	67	67	100	200	100	0	322
Hyalella curvispina	0	1233	256	883	89	0	0
Hydra sp.	0	0	0	250	0	0	0
Limnodrilus hoffmaisteri	600	2644	783	783	689	683	1189
Nais sp.	0	2950	200	1883	483	33	0
Cyanocyclas sp.	200	0	0	0	0	0	33
Ophidonais serpentina	0	67	0	0	0	0	0
Ostracoda	1233	433	322	422	300	33	33
Paranais frici	0	0	383	200	883	217	100
Pisidium sp.	0	0	0	0	0	0	33
Poduridae	0	0	0	0	0	50	0
Polycentropodidae	100	0	0	233	100	0	0
Polypedilum sp.	0	233	33	0	0	200	0
Pristina sp.	700	483	0	700	494	200	633
Procladius sp.	0	417	0	33	0	0	0
Slavina isoachaeta	0	33	0	0	0	0	0
Sthephensoniana tribandrana	0	0	0	0	0	0	67
Thienemannimyia sp.	0	0	0	533	0	0	0
Tenagobia sp.	0	0	100	0	0	0	0
Tipulidae	0	0	33	0	0	33	0
Tobrilus sp.	0	200	0	0	0	0	0