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Supplementary File

Effectiveness of biomass/abundance comparison (ABC) models in assessing the response of hyporheic assemblages to ammonium contamination

Tiziana Di Lorenzo[1,2,3*], Barbara Fiasca[4], Mattia Di Cicco[4], Ilaria Vaccarelli[4], Agostina Tabilio Di Camillo [5], Simone Crisante[4], Diana Maria Paola Galassi[4]

[1] Research Institute on Terrestrial Ecosystems of the National Research Council, Via Madonna del Piano 10, 50019, Sesto Fiorentino, Firenze, Italy
[2] Emil Racovita Institute of Speleology, Romanian Academy, Clinicilor 5, Cluj Napoca 400006, Romania
[3] EC3c - Center for Ecology, Evolution and Environmental Changes & CHANGE - Global Change and Sustainability Institute, Faculdade de Ciências, Universidade de Lisboa, Campo Grande 1749-016, Lisbon, Portugal
[4] Department of Life, Health and Environmental Sciences, University of L'Aquila, Via Vetoio, 67100 L'Aquila, Italy
[5] Water Research Institute of the National Research Council, Viale Francesco De Blasio 5, 70132 Bari, Italy
* Correspondence: tiziana.dilorenzo@cnr.it

Table S1. Mean and standard deviation (SD) of the environmental variables measured in Di Lorenzo et al. [21] in the up- and downstream stretches of the Rio Gamberale creek (Italy). Heavy metals, volatile organic carbons and pesticides are indicated as "others". LOD: limit of detection. Concentrations exceeding the legal limit are indicated in bold.

Variable	Upstream stretch	Downstream stretch
Temperature (°C)	9.4 ± 4.1	10.3 ± 5.6
Elect. conductivity (μS cm^{-1})	464.7 ± 32.4	532.4 ± 140.0
pH	8.0 ± 0.2	7.8 ± 0.2
Dissolved oxygen (mg L^{-1})	6.9 ± 2.4	4.8 ± 2.7
Dissolved oxygen (%)	73.8 ± 13.5	48.2 ± 24.4
Particulate organic matter (mg L^{-1})	374.6 ± 372.9	306.6 ± 286.7
Total organic carbon (mg L^{-1})	1.8 ± 0.5	1.9 ± 0.3
Dissolved organic carbon (mg L^{-1})	1.6 ± 0.5	1.8 ± 0.3
Nitrites (mg L^{-1})	0.2 ± 0.2	0.1 ± 0.1
Nitrates (mg L^{-1})	3.5 ± 3.9	3.9 ± 3.3
Ammonium (mg L^{-1})	0.03 ± 0.01	**1.0 ± 0.7**
Sulphates (mg L^{-1})	4.6 ± 1.8	13.1 ± 10.3
Phosphates (mg L^{-1})	0.1 ± 0.1	0.2 ± 0.1
Chloride (mg L^{-1})	2.6 ± 2.7	7.0 ± 5.3
Calcium (mg L^{-1})	97.0 ± 7.0	107.2 ± 20.7
Potassium (mg L^{-1})	1.0 ± 0.7	1.8 ± 1.1
Sodim (mg L^{-1})	6.7 ± 5.2	10.6 ± 9.8
Others (μg L^{-1})	< LOD	< LOD