

Manuscript title:

Habitat development and species arrival drive succession of the benthic invertebrate community
in restored urban streams

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Appendix S1:

Table S1. Spearman's Rank coefficients of all environmental variables

Variables	TsR	shade	pH	conductivity	oxygen	LTP	gravel/stones	sand/sludge	macrophytes	POM	algae	loam
TsR	1.000	0.400	-0.340	-0.366	0.037	-0.282	-0.198	0.369	0.071	-0.192	-0.154	-0.304
shade	0.400	1.000	-0.059	0.006	0.098	-0.437	-0.221	0.268	-0.023	0.051	-0.055	0.013
pH	-0.340	-0.059	1.000	0.163	0.125	-0.003	0.063	-0.057	-0.063	0.067	0.118	-0.030
conductivity	-0.366	0.006	0.163	1.000	0.030	0.155	-0.002	-0.054	-0.075	0.086	0.070	0.220
oxygen	0.037	0.098	0.125	0.030	1.000	-0.220	0.141	-0.065	0.042	-0.021	-0.030	-0.185
LTP	-0.282	-0.437	-0.003	0.155	-0.220	1.000	0.288	-0.149	-0.250	-0.105	0.363	0.229
gravel/stones	-0.198	-0.221	0.063	-0.002	0.141	0.288	1.000	-0.098	-0.448	-0.166	0.162	0.018
sand/sludge	0.369	0.268	-0.057	-0.054	-0.065	-0.149	-0.098	1.000	-0.506	-0.129	-0.237	0.008
macrophytes	0.071	-0.023	-0.063	-0.075	0.042	-0.250	-0.448	-0.506	1.000	-0.434	-0.193	-0.222
POM	-0.192	0.051	0.067	0.086	-0.021	-0.105	-0.166	-0.129	-0.434	1.000	-0.095	-0.057
algae	-0.154	-0.055	0.118	0.070	-0.030	0.363	0.162	-0.237	-0.193	-0.095	1.000	0.580
loam	-0.304	0.013	-0.030	0.220	-0.185	0.229	0.018	0.008	-0.222	-0.057	0.580	1.000