

**Table S1.** Effects of temperature, eutrophication, pesticide, and their interactions on zoobenthos abundance at the end of the experiment. Accumfreq represents the cumulative proportion of species abundance. "\*\*\*\*" represents highly significant ( $p \leq 0.001$ ), "\*\*\*" represents significant ( $0.001 < p \leq 0.01$ ), "\*\*" represents moderately significant ( $0.01 < p \leq 0.05$ ), "." represents approaching significance ( $0.05 < p \leq 0.1$ ), "NS" represents not significant ( $p > 0.1$ ); "(+)" represents positive correlation ( $r > 0$ ), "(-)" represents negative correlation ( $r \leq 0$ ).

Species name	Rank	Abundance	Accumfreq	Warming	Eutrophic	Pesticide
<i>Chironomus sp.</i>	1	1820	15.5	** (+)	NS	*** (+)
<i>Glyptotendipes sp.</i>	2	1690	29.9	NS	NS	* (-)
<i>Ecnomus sp.</i>	3	1497	42.6	NS	NS	*** (-)
<i>Radix swinhoei</i>	4	1063	51.7	*** (+)	* (+)	*** (+)
<i>Limnodrilus hoffmeisteri</i>	5	881	59.2	* (-)	** (+)	** (-)
<i>Glossiphonia lata</i>	6	600	64.3	NS	NS	* (+)
<i>Hippeutis umbilicalis</i>	7	463	68.2	NS	NS	* (+)
<i>Polypedilum sp.</i>	8	452	72.1	NS	NS	NS
<i>Limnodrilus sp.</i>	9	391	75.4	NS	NS	NS
<i>Bellamyia sp.</i>	10	334	78.2	NS	NS	NS
<i>Branchiura sowerbyi</i>	11	322	81	NS	NS	*** (-)
<i>Sympetrum sp.</i>	12	251	83.1	. (+)	NS	NS
<i>Limnodrilus claparedianus</i>	13	247	85.2	NS	NS	NS
<i>Alocinma longicornis</i>	14	215	87	NS	NS	NS
<i>Parachironomus sp.</i>	15	211	88.8	NS	NS	*** (+)
<i>Bellamyia_aeruginosa</i>	16	167	90.3	NS	NS	NS
<i>Ischnura sp.</i>	17	143	91.5	NS	NS	NS
<i>Parafossarulus striatulus</i>	18	131	92.6	NS	NS	NS
<i>Cricotopus trifasciatur</i>	19	108	93.5	NS	NS	*** (+)
<i>Pila sp.</i>	20	104	94.4	NS	NS	* (+)
<i>Assimineia sp.</i>	21	103	95.3	NS	NS	NS
<i>Bithynia fuchsiana</i>	22	91	96	NS	NS	. (+)
<i>Bellamyia angularia</i>	23	64	96.6	. (-)	NS	NS
<i>Ablabesmyia sp.</i>	24	53	97	NS	NS	NS
<i>Bellamyia purificata</i>	25	50	97.5	NS	NS	NS
<i>Paludinella stricta</i>	26	39	97.8	NS	NS	. (+)
<i>Orthocladus sp.</i>	27	20	98	NS	NS	* (+)
<i>Hippeutis cantori</i>	28	17	98.1	NS	NS	NS
<i>Bithynia misella</i>	29	16	98.2	NS	NS	NS
<i>Radix plicatula</i>	30	15	98.4	NS	NS	NS
<i>Physa acuta</i>	31	14	98.5	NS	NS	NS
<i>Tanytarsus sp.</i>	32	14	98.6	NS	. (+)	NS
<i>Parapoyx sp.</i>	33	14	98.7	. (+)	NS	. (+)
<i>Limnodrilus grandisetosus</i>	34	12	98.8	NS	NS	NS
<i>Cloeon sp.</i>	35	11	98.9	NS	NS	* (-)
<i>Paracercion sp.</i>	36	11	99	NS	NS	NS
<i>Chironomidae pupa</i>	37	11	99.1	NS	NS	NS
<i>Cricotopus sp.</i>	38	10	99.2	NS	NS	NS
<i>Barbronia weberi</i>	39	8	99.3	NS	NS	NS
<i>Polypylis hemisphaerula</i>	40	7	99.3	NS	NS	NS
<i>Paraplea sp.</i>	41	6	99.4	NS	NS	NS

<i>Bellaamya dispiralis</i>	42	5	99.4	NS	NS	NS
<i>Clinotanypus sp.</i>	43	5	99.5	NS	NS	NS
<i>Gyraulus albus</i>	44	5	99.5	NS	NS	NS
<i>Nigrobaetis sp.</i>	45	5	99.5	NS	NS	NS
<i>Tanypus sp.</i>	46	5	99.6	NS	NS	NS
<i>Harnischia sp.</i>	47	5	99.6	NS	NS	NS
<i>Rheopelopia sp.</i>	48	5	99.7	NS	NS	NS
<i>Bellamya quadrata</i>	49	4	99.7	NS	NS	NS
<i>Ephydridae</i>	50	4	99.7	NS	NS	NS
<i>Pseudothemis zonata</i>	51	3	99.8	NS	NS	NS
<i>Macrobrachium sp.</i>	52	3	99.8	NS	NS	NS
<i>Dicrotendipes sp.</i>	53	3	99.8	NS	NS	NS
<i>Parafossarulus eximius</i>	54	3	99.8	NS	NS	NS
<i>Orthetrum sp.</i>	55	3	99.9	NS	NS	. (-)
<i>Anax parthenope</i>	56	2	99.9	NS	NS	NS
<i>Procladius sp.</i>	57	2	99.9	NS	NS	NS
<i>Caenis sp.</i>	58	1	99.9	NS	NS	NS
<i>Glossiphonia complanata</i>	59	1	99.9	NS	NS	NS
<i>Anodonta angula</i>	60	1	99.9	NS	NS	NS
<i>Limnodrilus udekemianus</i>	61	1	99.9	NS	NS	NS
<i>Valvata sp.</i>	62	1	99.9	NS	NS	NS
<i>Baetis sp.</i>	63	1	100	NS	NS	NS
<i>Nais inflata</i>	64	1	100	NS	NS	NS
<i>Polypedilum scalaenum</i>	65	1	100	NS	NS	NS
<i>Hydrophilus sp.</i>	66	1	100	NS	NS	NS
<i>Paratanytarsus sp.</i>	67	1	100	NS	NS	NS
<i>Hydrobaenus sp.</i>	68	1	100	NS	NS	NS

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