







Figure S1: Multiple metrics in different areas of the Wanan River basin, China.

Table S1. Multiple metrics correlation in different areas of the Wanan River basin, China.

Name	Cladocera density	Copepoda density	Total Species density	Percent age of Cladocera density	Percent age of Copepoda density	Number of total individuals	Shannon-Wiener index	Pielou index	Margalef index	Number of Copepoda species	Number of total species	Percent age of Cladocera species	Percent age of Copepoda species	Cladocera biomass
Copepoda density	0.760	1.000												
Total Species density	0.925	0.923	1.000											
Percentage of Cladocera density	0.692	0.212	0.461	1.000										
Percentage of Copepoda density	-0.249	0.295	0.040	-0.549	1.000									
Number of total individuals	0.885	0.880	0.950	0.460	0.049	1.000								
Shannon-Wiener index	0.719	0.720	0.731	0.452	0.029	0.790	1.000							
Pielou index	0.179	0.228	0.197	0.292	0.160	0.191	0.515	1.000						
Margalef index	0.651	0.636	0.654	0.457	0.020	0.709	0.950	0.565	1.000					
Number of Copepoda species	0.596	0.695	0.672	0.320	0.155	0.734	0.746	0.283	0.723	1.000				
Number of total species	0.726	0.719	0.748	0.485	0.008	0.810	0.847	0.308	0.823	0.894	1.000			
Percentage of Cladocera species	0.470	0.250	0.368	0.597	-0.259	0.374	0.426	0.309	0.426	0.056	0.435	1.000		
Percentage of Copepoda species	-0.063	0.207	0.067	-0.141	0.592	0.097	0.093	0.179	0.087	0.439	0.156	-0.443	1.000	
Cladocera biomass	0.893	0.692	0.839	0.630	-0.216	0.871	0.725	0.202	0.673	0.574	0.709	0.479	-0.122	1.000

Copepoda biomass	0.697	0.894	0.829	0.229	0.271	0.885	0.773	0.250	0.693	0.762	0.757	0.206	0.281	0.786
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