**Table S5** Adonis analysis shows the contribution and significance of each water environmental factor to the seasonal changes in the relative abundance of zooplankton. \*, p < 0.05; \*\*, p < 0.01; \*\*\*, p < 0.001.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Factor | 18S | | |  | COI | | |
| F | R2 | Pr(>F) |  | F | R2 | Pr(>F) |
| WT | 8.3902 | 0.1979 | 0.001 \*\*\* |  | 11.474 | 0.2523 | 0.001 \*\*\* |
| pH | 5.4109 | 0.1373 | 0.002 \*\* |  | 4.1409 | 0.1086 | 0.002 \*\* |
| COD | 4.6561 | 0.1205 | 0.004 \*\* |  | 2.7062 | 0.0737 | 0.027 \* |
| TP | 3.6491 | 0.0969 | 0.009 \*\* |  | 4.5738 | 0.1186 | 0.002 \*\* |
| NH4-N | 3.9266 | 0.1035 | 0.008 \*\* |  | 6.0548 | 0.1517 | 0.002 \*\* |
| DO | 0.5711 | 0.0165 | 0.666 |  | 1.1911 | 0.0339 | 0.285 |
| TN | 6.1636 | 0.1535 | 0.001 \*\*\* |  | 6.2273 | 0.1548 | 0.001 \*\*\* |