Table 1: Results from adonis analysis relating different taxonomic components of beta diversity and environmental variables.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Taxonomic | | | | | | | | | |
|  | Total | | | Turnover | | | Nestedness | | | |
| Environmental variables | Df | R2 | P value | Df | R2 | P value | Df | R2 | P value |
| Turbidity | 1 | 0.049 | 0.212 | 1 | 0.067 | 0.123 | 1 | -0.061 | 0.828 |
| pH | **1** | **0.081** | **0.034** | 1 | 0.079 | 0.098 | 1 | 0.344 | 0.091 |
| Conductivity | 1 | 0.042 | 0.304 | 1 | 0.053 | 0.212 | 1 | -0.037 | 0.766 |
| Dissolved O2 | 1 | 0.018 | 0.823 | 1 | 0.022 | 0.579 | 1 | -0.014 | 0.663 |
| Altitude | 1 | 0.026 | 0.618 | 1 | -0.003 | 0.954 | 1 | 0.091 | 0.297 |
| Temperature | 1 | 0.037 | 0.394 | 1 | 0.044 | 0.294 | 1 | 0.025 | 0.508 |
| Depth | 1 | 0.026 | 0.6 | 1 | 0.013 | 0.769 | 1 | 0.035 | 0.447 |
| Water velocity | 1 | 0.065 | 0.093 | 1 | 0.087 | 0.063 | 1 | -0.0019 | 0.606 |
| Basin | 1 | 0.070 | 0.069 | 1 | **0.097** | **0.042** | 1 | -0.133 | 0.886 |
| Residual | 10 | 0.352 |  | 10 | 0.317 |  | 10 | 0.478 |  |
| Total | 19 | 1 |  | 19 | 1 |  | 19 | 1 |  |