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 | 0.204 | 1 | 0.068 | 0.094 | 1 | -0.063 | 0.829 |
| pH | **1** | **0.081** | **0.047** | 1 | 0.079 | 0.067 | 1 | 0.349 | 0.092 |
| Conductivity | 1 | 0.042 | 0.299 | 1 | 0.053 | 0.197 | 1 | -0.036 | 0.766 |
| Dissolved O2 | 1 | 0.018 | 0.814 | 1 | 0.022 | 0.568 | 1 | -0.014 | 0.641 |
| Altitude | 1 | 0.026 | 0.625 | 1 | -0.002 | 0.919 | 1 | 0.089 | 0.323 |
| Temperature | 1 | 0.037 | 0.394 | 1 | 0.044 | 0.272 | 1 | 0.025 | 0.512 |
| Depth | 1 | 0.026 | 0.620 | 1 | 0.013 | 0.731 | 1 | 0.034 | 0.461 |
| Water velocity | 1 | 0.065 | 0.092 | 1 | 0.088 | 0.056 | 1 | -0.001 | 0.641 |
| Basin | 1 | 0.070 | 0.073 | 1 | **0.097** | **0.039** | 1 | -0.131 | 0.879 |
| Residual | 10 | 0.351 |  | 10 | 0.311 |  | 10 | 0.478 |  |
| Total | 19 | 1 |  | 19 | 1 |  | 19 | 1 |  |