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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Total | |  | Turnover | | Nestedness | |
|  | Df | R2 | p-value | R2 | p-value | R2 | p-value |
| Turbidity | 1 | 0.05068 | 0.177 | 0.06457 | 0.096 | 0.01856 | 0.634 |
| pH | 1 | **0.09597** | **0.005** | **0.15957** | **0.002** | -0.14894 | 0.971 |
| Conductivity | 1 | 0.04479 | 0.25 | 0.06478 | 0.116 | -0.11458 | 0.956 |
| Dissolved O2 | 1 | 0.01497 | 0.902 | 0.00875 | 0.841 | 0.02684 | 0.598 |
| Altitude | 1 | 0.04238 | 0.279 | 0.02439 | 0.517 | 0.11041 | 0.324 |
| Temperature | 1 | 0.0425 | 0.294 | 0.04255 | 0.263 | -0.03705 | 0.831 |
| Depth | 1 | 0.03863 | 0.362 | 0.02842 | 0.463 | -0.00199 | 0.697 |
| Water velocity | 1 | 0.05208 | 0.176 | 0.06563 | 0.102 | 0.03257 | 0.571 |
| Basin | 1 | 0.06341 | 0.116 | 0.05951 | 0.136 | -0.01378 | 0.748 |
| Residual | 10 | 0.34882 |  | 0.30265 |  | 0.60189 |  |