**Table S10.** Relationship between the stream landscape descriptors and RLQ axes of the fitted model

|  |  |  |  |
| --- | --- | --- | --- |
| RLQ axes | Environment descriptor | Std. obs. values | Adj. *p*-value |
|  | Forest | -1.491 | 0.14 |
|  | Agriculture | -1.427 | 0.15 |
|  | Pasture | 0.368 | 0.72 |
| Q1 | Urban | 2.063 | 0.03 |
|  | Edge dist. | 1.796 | 0.08 |
|  | Canopy open | 1.758 | 0.08 |
|  | Forest | -0.838 | 0.42 |
|  | Agriculture | 0.808 | 0.43 |
| Q2 | Pasture | -1.646 | 0.10 |
|  | Urban | -1.238 | 0.18 |
|  | Edge dist. | -1.444 | 0.16 |
|  | Canopy open | 1.438 | 0.15 |

.Q1 = Axes 1; Q2 = Axes 2; Environment Descriptor = environment descriptor; Std. obs. values = Standard observed values; Adj. *p*-value = Adjusted *p*-value.