**Table S11.** Relationship between the tadpole functional traits and RLQ axes in the fitted model of streams (model with landscape descriptors)

|  |  |  |  |
| --- | --- | --- | --- |
| RLQ axes | Environment descriptor | Std. obs. values | Adj. p-value |
|  | BH | 1.067 | 0.31 |
|  | BL | -2.236 | 0.02 |
|  | BW | -1.909 | 0.05 |
|  | TMW | 1.976 | 0.04 |
|  | DFH | -0.769 | 0.46 |
|  | VFH | 1.536 | 0.12 |
|  | NTR | -0.896 | 0.38 |
|  | ODP anterior | -0.818 | 0.09 |
|  | ODP anteroventral | -1.205 | 0.13 |
|  | MS | 1.066 | 0.31 |
| R1 | ES | 1.792 | 0.07 |
|  | SL | -1.989 | 0.03 |
|  | SW | -0.646 | 0.55 |
|  | ND | 1.815 | 0.05 |
|  | IED | 1.689 | 0.08 |
|  | Fl absent | -1.100 | 0.14 |
|  | Fl present | -0.514 | 0.27 |
|  | EP dorsal | -1.553 | 0.08 |
|  | EP dorsolateral | 0.784 | 0.78 |
|  | EP lateral | -0.494 | 0.27 |
|  | SP posterior | 1.917 | 0.95 |
|  | SP posterodorsal | -1.756 | 0.04 |
|  | SP ventral | -0.358 | 0.42 |
|  | NP anteroventral | -0.358 | 0.42 |
|  | NP dorsal | -1.928 | 0.03 |
|  | NP dorsolateral | -0.648 | 0.28 |
|  | NP lateral | -0.215 | 0.40 |
|  | BH | 0.057 | 0.96 |
|  | BL | 0.031 | 0.98 |
|  | BW | -0.199 | 0.85 |
|  | TMW | 1.729 | 0.07 |
|  | DFH | -0.823 | 0.41 |
|  | VFH | -0.861 | 0.40 |
|  | NTR | 2.187 | 0.02 |
|  | ODP anterior | -0.737 | 0.12 |
|  | ODP anteroventral | -0.791 | 0.18 |
|  | MS | 1.834 | 0.05 |
| R2 | ES | 1.390 | 0.18 |
|  | SL | 0.922 | 0.38 |
|  | SW | -0.516 | 0.64 |
|  | ND | 1.612 | 0.11 |
|  | IED | 1.619 | 0.10 |
|  | Fl absent | -1.435 | 0.09 |
|  | Fl present | 1.626 | 0.92 |
|  | EP dorsal | -1.608 | 0.02 |
|  | EP dorsolateral | 1.488 | 0.93 |
|  | EP lateral | 1.627 | 0.93 |
|  | SP posterior | -0.542 | 0.39 |
|  | SP posterodorsal | -0.725 | 0.24 |
|  | SP ventral | 2.099 | 0.95 |
|  | NP anteroventral | 2.099 | 0.95 |
|  | NP dorsal | -1.689 | 0.03 |
|  | NP dorsolateral | 0.137 | 0.62 |
|  | NP lateral | -1.274 | 0.05 |

R1 = Axes 1; R2 = Axes 2; Environment Descriptor = environment descriptor; Std. obs. values = Standard observed values; Adj. *p*-value = Adjusted *p*-value.