**Table S4.** Relationship between the tadpole functional traits and RLQ axes in the fitted model of ponds (model with local environmental descriptors)

|  |  |  |  |
| --- | --- | --- | --- |
| RLQ axes | Functional traits | Std. obs. values | Adj. p-value |
|  | BH | -0.382 | 0.72 |
|  | BL | 1.649 | 0.09 |
|  | BW | 2.027 | 0.05 |
|  | TMW | -1.752 | 0.05 |
|  | DFH | 2.121 | 0.02 |
|  | VFH | 0.856 | 0.44 |
|  | NTR | -0.309 | 0.75 |
|  | ODP anterior | -0.302 | 0.41 |
|  | ODP anteroventral | -0.031 | 0.47 |
|  | ODP ventral | 0.00 | 0.99 |
| R1 | MS | -1.777 | 0.05 |
|  | ES | -1.883 | 0.05 |
|  | SL | 0.561 | 0.62 |
|  | SW | 0.903 | 0.39 |
|  | ND | -0.991 | 0.33 |
|  | IED | -2.145 | 0.02 |
|  | Fl absent | -1.985 | 0.04 |
|  | Fl present | 0.759 | 0.77 |
|  | EP dorsal | -2.148 | 0.009 |
|  | EP dorsolateral | 0.110 | 0.56 |
|  | EP lateral | -0.003 | 0.43 |
|  | SP posterior | -0.528 | 0.35 |
|  | SP posterodorsal | -2.417 | 0.02 |
|  | SP sinistral | 0.000 | 0.99 |
|  | SP ventral | 0.547 | 0.75 |
|  | NP anteroventral | -0.496 | 0.38 |
|  | NP absent | 0.016 | 0.57 |
|  | NP dorsal | -0.601 | 0.33 |
|  | NP dorsolateral | -1.145 | 0.12 |
|  | NP lateral | -1.010 | 0.16 |
|  | NP laterodorsal | 0.000 | 0.99 |
|  | BH | 1.846 | 0.05 |
|  | BL | 0.110 | 0.92 |
|  | BW | -1.264 | 0.23 |
|  | TMW | 1.129 | 0.26 |
|  | DFH | 1.403 | 0.17 |
|  | VFH | 0.112 | 0.91 |
|  | NTR | -0.913 | 0.40 |
|  | ODP anterior | 0.369 | 0.65 |
| R2 | ODP anteroventral | -0.763 | 0.24 |
|  | ODP ventral | 0.000 | 1.00 |
|  | MS | 1.458 | 0.15 |
|  | ES | 0.695 | 0.49 |
|  | SL | -0.315 | 0.79 |
|  | SW | 0.946 | 0.36 |
|  | ND | 1.220 | 0.23 |
|  | IED | 0.540 | 0.59 |
|  | Fl absent | -1.844 | 0.04 |
|  | Fl present | 2.127 | 0.98 |
|  | EP dorsal | -0.806 | 0.24 |
|  | EP dorsolateral | -0.325 | 0.38 |
|  | EP lateral | 0.734 | 0.75 |
|  | SP posterior | 0.178 | 0.60 |
|  | SP posterodorsal | -2.556 | 0.01 |
|  | SP sinistral | 0.000 | 1.00 |
|  | SP ventral | 1.709 | 0.95 |
|  | NP anteroventral | -0.017 | 0.61 |
|  | NP absent | 0.572 | 0.69 |
|  | NP dorsal | -1.163 | 0.11 |
|  | NP dorsolateral | -1.607 | 0.05 |
|  | NP lateral | -0.795 | 0.22 |
|  | NP laterodorsal | 0.000 | 1.00 |

R1 = Axis 1; R2 = Axis 2; Functional traits = Measured characteristics of tadpoles; Std. obs. values = Standard observed values; Adj. *p*-value = Adjusted *p*-value.