**Table S3.** Relationships between pond variables and RLQ axes in the fitted model

|  |  |  |  |
| --- | --- | --- | --- |
| RLQ axes | Local environment descriptor | Std. obs. values | Adj. *p*-value |
|  | Water depth | -2.570 | 0.006 |
|  | Water pH | -2.346 | 0.008 |
|  | Water temperature | -1.333 | 0.20 |
|  | Water conductivity | 1.287 | 0.20 |
| Q1 | Pond grass | -0.462 | 0.32 |
|  | Pond grass+monocultures | 2.384 | 0.94 |
|  | Pond grass+trees | 0.401 | 0.62 |
|  | Pond shrubs | -0.535 | 0.38 |
|  | Pond trees | -0.916 | 0.17 |
|  | Water depth | -0.270 | 0.80 |
|  | Water pH | 0.576 | 0.58 |
|  | Water temperature | 1.336 | 0.58 |
|  | Water conductivity | -1.650 | 0.05 |
| Q2 | Pond grass | 0.191 | 0.60 |
|  | Pond grass+monocultures | -0.408 | 0.5 |
|  | Pond grass+trees | 0.661 | 0.75 |
|  | Pond shrubs | -0.719 | 0.29 |
|  | Pond trees | -1.397 | 0.05 |

Q1 = Axis 1; Q2 = Axis 2; Local environment descriptor = Local physicochemical and morphological characteristics; Std. obs. values = Standard observed values; Adj. *p*-value = Adjusted *p*-value.