**Supplementary Table S4**. Generalized linear model (GLZ) showing the effects of seasonal period, year of collection, maternal origin of hybrids (H) of *Abramis brama*, AB and *Rutilus rutilus*, RR) and body size which were included in the analyses. AB indicates common bream maternal origin. RR indicates roach maternal origin. Parameter estimates (B) and S.E. for categories are shown.

|  |  |  |  |
| --- | --- | --- | --- |
| **Dependent variable** | **Parameter** | **B** | **S.E.** |
| Digenean abundance | season=autumn | -0.454 | 0.265 |
|  | season=spring | - | - |
|  | maternal origin=H (AB) | 0.785 | 0.250 |
|  | maternal origin=H (RR) | - | - |
|  | Year=2011 | -0.024 | 0.318 |
|  | Year=2012 | -0.002 | 0.309 |
|  | Year=2013 | - | - |
|  | Standard length (mm) | 0.113 | 0.027 |
| Crustacean abundance | season=autumn | -0.431 | 0.261 |
|  | season=spring | - | - |
|  | maternal origin=H (AB) | 0.779 | 0.257 |
|  | maternal origin=H (RR) | - | - |
|  | Year=2011 | -0.084 | 0.307 |
|  | Year=2012 | 0.687 | 0.315 |
|  | Year=2013 | - | - |
|  | Standard length (mm) | 0.141 | 0.028 |