# SUPPLEMENTARY FILE 1

**Table S1.** ANOVA table for the linear mixed model testing whether the relationships between biodiversity and ecosystem functions measured in a riverine trophic chain differ between thebiodiversity facets (species or genetic diversity), the types of BEF (*within-* or *between-trophic levels*) and the trophic levels at which BEFs are estimated (primary producers, primary consumers or secondary consumers). A Wald chi-quare test is used to test the significance of each fixed effect.

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| --- | --- | --- | --- |
|   | Degree of freedom | Chisq-value | P-value |
| (Intercept) | 1 | 1.453 | 0.228 |
| Biodiversity facet | 1 | 1.293 | 0.255 |
| Type of BEF | 1 | 7.498 | **0.006** |
| Trophic level | 2 | 1.976 | 0.372 |
| Biodiversity facet\*Type of BEF | 1 | 7.884 | **0.005** |
| Biodiversity facet\*Trophic level | 2 | 3.520 | 0.172 |
| Trophic level\*Type of BEF | 2 | 2.901 | 0.234 |
| Biodiversity facet\*Type of BEF\*Trophic level | 1 | 2.994 | 0.224 |