|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table S11**. Generalized additive models (GAM) testing treatment (burned vs. unburned) and type (< 63 μm, > 63 μm) and factor-smooth interaction effects on trophic transfer efficiency (TTE, plankton percent sage-15N) calculated from a two-member mixing model. Separate smoothers were fit for burned and unburned data, and ANOVA tables were generated by *anova.gam*(). | | | | | |
| **TTE, Plankton % sage-15N** | |  |  |  |  |
|  | *Effect* | *df / edf* | *Ref.df* | *F* | *p-value* |
| Day-10 | Treatment | 1 | – | 31.261 | **<0.001** |
|  | Type | 1 | – | 1.721 | 0.196 |
|  | s(plant material) : burned | 3.560 | 4.338 | 136.8 | **<0.001** |
|  | s(plant material) : unburned | 3.921 | 4.762 | 173.6 | **<0.001** |
|  |  |  |  |  |  |
| Day-31 | Treatment | 1 | – | 13.082 | **<0.001** |
|  | Type | 1 | – | 1.004 | 0.321 |
|  | s(plant material) : burned | 4.669 | 5.621 | 79.45 | **<0.001** |
|  | s(plant material) : unburned | 3.34 | 4.082 | 125.45 | **<0.001** |
| *Treatment* indicates the parametric term in GAM, *s(plant material)* is the smooth term for either burned or unburned treatments. *df / edf* column indicates either *df* (degrees of freedom) for parametric terms or *edf* (effective degrees of freedom) for smoother terms; *Ref.df* = reference degree of freedom, where dashes indicate NA for parametric terms. Significant effects (p<0.05) are in bold. | | | | | |