|  | Carbohydrates | Proteins | Lignins | Lipids | Carbonyls |
| --- | --- | --- | --- | --- | --- |
| (Intercept) | 0.34 (0.04)\*\*\* | 0.16 (0.02)\*\*\* | 0.08 (0.02)\*\*\* | 0.12 (0.03)\*\*\* | 0.00 (0.01) |
| AS | 0.85 (0.07)\*\*\* | -0.26 (0.05)\*\*\* |  | -0.09 (0.04)\* | -0.02 (0.02) |
| DecompFresh | 0.21 (0.03)\*\*\* |  |  | -0.03 (0.02)+ | 0.05 (0.01)\*\*\* |
| AS × AIS | -1.08 (0.14)\*\*\* | 0.49 (0.15)\*\* |  | 0.14 (0.13) | 0.31 (0.06)\*\*\* |
| AS × DecompFresh | -0.51 (0.08)\*\*\* | 0.06 (0.03)\* |  |  |  |
| AIS |  | -0.19 (0.04)\*\*\* | 0.41 (0.03)\*\*\* |  |  |
| AIS × DecompFresh |  | -0.15 (0.03)\*\*\* |  |  |  |
| DecompFresh × AIS |  |  |  | 0.14 (0.05)\*\* | -0.18 (0.02)\*\*\* |
| SD (Intercept Litter\_category) | 0.07 | 0.02 | 0.03 | 0.06 | 0.01 |
| SD (Observations) | 0.10 | 0.04 | 0.07 | 0.06 | 0.03 |
| SD (Intercept Decomp) |  |  | 0.03 |  |  |
| Num.Obs. | 394 | 394 | 394 | 394 | 394 |
| R2 Marg. | 0.275 | 0.252 | 0.361 | 0.045 | 0.153 |
| R2 Cond. | 0.511 | 0.360 |  | 0.474 | 0.233 |
| AIC | -611.3 | -1314.9 | -920.0 | -998.8 | -1647.0 |
| Significance levels: \*\*\* p < 0.001, \*\* p < 0.01, \* p < 0.05, . p < 0.1, + p > 0.1 | | | | | |