|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S1.** Statistical analyses of carbon and nitrogen isotope values (δ13C, δ15N) in bulk tissues of coral and Symbiodiniaceae exposed to Light-by-Feeding nutrition treatments\*. | | | | | | | |
| *Bulk tissue isotope values* | *Effect* | | *df* | *SS* | *MS* | *F* | *P* |
| δ13C | Fraction | 1 | | 1.401 | 1.401 | 1.532 | 0.251 |
|  | Treatment | 2 | | 3.772 | 1.886 | 2.062 | 0.190 |
|  | Residual | 8 | | 7.317 | 0.915 |  |  |
|  |  |  | |  |  |  |  |
| δ15N | Fraction | 1 | | 4.083 | 4.083 | 14.770 | **0.005** |
|  | Treatment | 2 | | 0.105 | 0.053 | 0.190 | 0.831 |
|  | Residual | 8 | | 2.212 | 0.277 |  |  |
|  |  |  | |  |  |  |  |
| C:N | Fraction | 1 | | 0.132 | 0.132 | 0.723 | 0.420 |
|  | Treatment | 2 | | 2.218 | 1.109 | 6.086 | **0.025** |
|  | Residual | 8 | | 1.457 | 0.182 |  |  |
|  |  |  | |  |  |  |  |
| δ13CH-S | Treatment | 1 | | 0.763 | 0.382 | 7.897 | 0.064 |
|  | Residual | 2 | | 0.145 | 0.048 |  |  |
|  |  |  | |  |  |  |  |
| δ15NH-S | Treatment | 1 | | 0.063 | 0.032 | 0.288 | 0.769 |
|  | Residual | 2 | | 0.330 | 0.110 | 0.000 |  |
| \*‘Fraction’ is host coral or symbiont Symbiodiniaceae tissue. ‘Treatment’ represents combination of Light-by-Feeding nutrition treatments: Light–Not Fed, Light–Fed, Dark–Fed. | | | | | | | |