**Table S2.** **ANOVA of the number of yeast CFU per termite gut at two and three weeks of ingesting α-cellulose diets.**

**Analysis of Variance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Sum of Squares** | **Mean Square** | **F Ratio** | **Prob > F** |
| Model | 23 | 2.09E+10 | 9.11E+08 | 4.092709 | <.0001 |
| Error | 48 | 1.07E+10 | 2.23E+08 |  |  |
| C. Total | 71 | 3.16E+10 |  |  |  |

**Effect Tests**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **DF** | **Sum of Squares** | **F Ratio** | **Prob > F** |
| Colony | 2 | 5.78E+08 | 1.298933 | 0.2822 |
| Diet | 3 | 7.25E+09 | 10.85877 | <.0001 |
| Time | 3 | 9.31E+09 | 41.81566 | <.0001 |
| Colony\*Diet | 6 | 2.26E+08 | 0.1693 | 0.9838 |
| Colony\*Time | 2 | 2.25E+08 | 0.505903 | 0.6061 |
| Diet\*Time | 3 | 3.24E+09 | 4.848157 | 0.0050 |
| Colony\*Diet\*Time | 6 | 1.27E+08 | 0.095069 | 0.9966 |