|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Differences in SUL** | | | | | |  | **Rates of SUL increase** | | | | | | |
| **Week** | **Treatment** | **Estimate** | **SE** | **DF** | **T-value** | **P-value** |  | **Contrasts** | | **Estimate** | **SE** | **DF** | **T-ratio** | **P-value** |
| **0** | **Brumated** | -0.345 | 0.428 | 737 | -1.150 | 0.2503 |  | **Brumated – non-brumated** | | -0.345 | 0.300 | 995 | -1.150 | 0.2503 |
| **4** | **Brumated** | 0.843 | 0.292 | 737 | 2.889 | 0.0040\*\* |  | **Brumated – non-brumated** | | -1.232 | 0.300 | 995 | -4.114 | 0.0001\*\*\* |
| **8** | **Brumated** | 0.861 | 0.292 | 737 | 2.953 | 0.0032\*\* |  | **Brumated – non-brumated** | | -1.208 | 0.300 | 995 | -4.031 | 0.0001\*\*\* |
| **12** | **Brumated** | 1.937 | 0.564 | 737 | 3.434 | 0.0006\*\*\* |  | **Brumated – non-brumated** | | -2.262 | 0.300 | 995 | -7.552 | 0.001\*\*\* |
| **16** | **Brumated** | 2.101 | 0.564 | 737 | 3.735 | 0.0002\*\*\* |  | **Brumated – non-brumated** | | -3.038 | 0.300 | 995 | -10.143 | 0.001\*\*\* |
| **20** | **Brumated** | 3.230 | 0.617 | 737 | 5.237 | 2.14e-07\*\*\*\* |  | **Brumated – non-brumated** | | -2.853 | 0.453 | 995 | -6.293 | 0.001\*\*\* |
| **24** | **Brumated** | 3.931 | 0.617 | 737 | 6.374 | 3.25e-10\*\*\*\* |  | **Brumated – non-brumated** | | -2.460 | 0.439 | 995 | -5.601 | 0.001\*\*\* |
| **28** | **Brumated** | 4.968 | 0.617 | 737 | 8.054 | 3.25e-10\*\*\* |  | **Brumated – non-brumated** | | -3.151 | 0.463 | 995 | -6.808 | 0.001\*\*\* |
| **32** | **Brumated** | 6.988 | 0.399 | 737 | 17.499 | <2.00e-16\*\*\* |  | **Brumated – non-brumated** | | -1.562 | 0.475 | 995 | -3.482 | 0.0005\*\*\* |
| **Confidence interval: 0.95** | | | **F-statistic: 66.66** | | | **p<0.05** |  |  | **F-statistic 11.49** | | **DF 32** |  | | **p<0.05** |

**Table 4. Comparison in SUL and rates of SUL increase between brumated and non-brumated frogs held in captivity for 32-weeks.** Frogs brumated for 12 weeks showed significantly smaller SULs compared to captive non-brumated conspecifics at every time point measured (Figure 3). Similarly, brumated frogs had a significantly lower rate of weight gain compared to non-brumated frog and this trajectory prevailed throughout the 32-week study. Week 0 represents the beginning of the brumation period (blue shaded) and week 12 marks the end.