**Supplemental Table 1**

**for "Recurrent Evolution of Extreme Longevity in Bats" by**

**Gerald S. Wilkinson and Danielle M. Adams**

Phylogenetic signal ( or D) in each variable. Estimates that differ from 0 are indicated in bold.

|  |  |  |
| --- | --- | --- |
| Variable | Estimate | CI() or P(D)\* |
| **Log (longevity)** | ** = 0.716** | **0.186-0.916** |
| **Log (mass)** | ** = 0.881** | **0.729-0.959** |
| **|Median latitude|** | ** = 0.774** | **0.506-0.939** |
| Progeny per year |  = 0.348 | 0.000-0.596 |
| **Sexual dimorphism** | ** = 0.317** | **0.026-0.784** |
| Log (aggregation size) |  = 0.165 | 0.000-0.681 |
| **Hibernation** | **D = -0.640** | **0, 0.948** |
| **Cave use** | **D = -0.160** | **0, 0.663** |
| **Diet** | **D = -1.040** | **0, 0.984** |

**\***probability of D resulting from random, or Brownian evolution