**Supplemental Table 2**

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

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

Rank-ordered PGLS models within 4 AICc of the best model for predicting log longevity of bats. Model abbreviations are M = log(mass), H = hibernator (yes, no), L = absolute value of median latitude of species range, C = cave roosting (yes, no), D = sexual dimorphism in total length (log2(M-TL/F-TL)), A = log(aggregation size), P = progeny per year, F = diet (plant, animal), S = data source (captive, wild).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | AICc | AICc | Weight | R2 |
| M+H+L+C+H\*L | -84.95 | 0 | 0.39 | 0.69 |
| M+H+L+C+S+H\*L | -82.67 | 2.28 | 0.12 | 0.69 |
| M+H+L+C+D+H\*L | -82.38 | 2.57 | 0.11 | 0.67 |
| M+H+L+C+F+H\*L | -82.38 | 2.57 | 0.11 | 0.67 |
| M+H+L+C+A+H\*L | -82.33 | 2.62 | 0.10 | 0.67 |
| M+H+L+C+P+H\*L | -82.19 | 2.76 | 0.10 | 0.67 |
| M+H+L+H\*L | -81.53 | 3.42 | 0.07 | 0.63 |