Table S3. Slopes, mean percent prediction errors, and standard errors of the estimate of the regression lines in figure 2. The slopes of the estimation equations are shown without error, whereas the error associated with the avian slope is provided in the form of the 95% confidence intervals. 95% confidence intervals are also provided for all mean PPE values. Standard errors of the estimate is calculated based on log-transformed results. Equation abbreviations follow those used in the text. CF\* refers to an updated Christiansen & Fariña (2004) equation, in which all the life-reconstruction estimates in tables 3 and 4 are used. CF\*\* is similar to CF\*, with the exception that uses the mean mass and circumference value for species that are known from more than one specimen. Colours follow those used in figure 2.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Slope** | | **Percent Prediction Error** | | **Standard Error of Estimate** |
| **Equation** | ***m*** | **95% CI** | **mean** | **95% CI** |
| True | 2.39 | 2.276 to 2.505 | 33.8 | 28.9 to 38.6 | 0.175 |
| cQE | 2.754 | - | 63.8 | 53.8 to 73.8 | 0.241 |
| AHR | 2.73 | - | 114.6 | 99.4 to 129.8 | 0.344 |
| CM | 2.411 | - | 31 | 27 to 34.9 | 0.185 |
| CF | 2.738 | - | 50.3 | 42.1 to 58.4 | 0.212 |
| CF\* | 2.913 | - | 144.1 | 124.8 to 163.3 | 0.394 |
| CF\*\* | 2.894 | - | 124.1 | 106.9 to 141.2 | 0.361 |