**Table 2:** Phylogenetically adjusted generalised least squares analysis *(PGLS)* of module shape *vs* log-tranformed centroid sizes for joint (top) and separate (bottom) GPAs. SS, sum of squares;

MS, Mean Squares; R2, R-squared value; F – F values; Z, Z scores (effect sizes from F values); *p*, p-value (probability of significant association at *p* < 0.05 based on 10,000 permutations).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | SS | MS | R2 | F | Z | *p* |
| Joint GPA | | | | | | |
| Basicranium | 0.002 | 0.133 | 0.13 | 5.38 | 3.31 | **0.000** |
| Molar | 0 | 0.09 | 0.09 | 3.47 | 2.7 | **0.002** |
| Orbital | 0.001 | 0.206 | 0.21 | 9.07 | 3.59 | **0.000** |
| Rostrum | 0.003 | 0.074 | 0.07 | 2.79 | 2.29 | **0.007** |
| Vault | 0.01 | 0.263 | 0.26 | 12.49 | 3.79 | **0.000** |
| Separate GPA | | | | | | |
| Basicranium | 0.01 | 0.085 | 0.09 | 3.26 | 2.69 | **0.002** |
| Molar | 0.025 | 0.139 | 0.14 | 5.63 | 3.74 | **0.000** |
| Orbital | 0.027 | 0.196 | 0.2 | 8.51 | 3.37 | **0.000** |
| Rostrum | 0.005 | 0.038 | 0.04 | 1.37 | 1.44 | 0.077 |
| Vault | 0.021 | 0.184 | 0.18 | 7.9 | 4.14 | **0.000** |