Table S4. Multiple comparisons of fresh specimens and preserved specimens respectively (Tamhane’s T2).

|  |  |
| --- | --- |
| Pairs | *P*-value |
| Body length | Body mass |
| Difference in Ll | Difference in Lp | Difference in Ml | Difference in Mp |
| *A. loloensis* VS. *F. multistriata* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *A. loloensis* VS. *S. glandulatus* | 0.024\*  | **0.149**  | 0.161  | 0.159  |
| *A. loloensis* VS. *N. pleskei* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *A. loloensis* VS. *P. weiningensis* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *A. loloensis* VS. *A. shapingensis* | 1.000  | 1.000  | 1.000  | 1.000  |
| *A. loloensis* VS. *O. margaretae* | 0.993  | 0.995  | 0.968  | 0.955  |
| *A. loloensis* VS. *H. gongshanensis* | 0.001\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *A. loloensis* VS. *B.gargarizans* | 0.047\*  | **0.093**  | 0.084  | 0.060  |
| *A. loloensis* VS. *P. nigromaculatus* | 0.056  | 0.126  | 0.594  | 0.613  |
| *A. loloensis* VS. *S. mammatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *A. loloensis* VS. *O. pingii* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *A. loloensis* VS. *R. dugritei* | 0.977  | 0.973  | 0.999  | 1.000  |
| *F. multistriata* VS. *S. glandulatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *F. multistriata* VS. *N. pleskei* | 0.287  | 0.625  | 0.523  | 0.025\*  |
| *F. multistriata* VS. *P. weiningensis* | 0.021\*  | **0.064**  | 0.038\*  | **0.106**  |
| *F. multistriata* VS. *A. shapingensis* | 0.003\*\*  | 0.001\*\*  | 0.014\*  | 0.014\*  |
| *F. multistriata* VS. *O. margaretae* | 0.201  | 0.201  | 0.461  | 0.483  |
| *F. multistriata* VS. *H. gongshanensis* | 1.000  | 1.000  | 1.000  | 1.000  |
| *F. multistriata* VS. *B.gargarizans* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *F. multistriata* VS. *P. nigromaculatus* | 0.014\*  | 0.007\*\*  | 0.196  | 0.184  |
| *F. multistriata* VS. *S. mammatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *F. multistriata* VS. *O. pingii* | 0.796  | 0.996  | 0.997  | 0.998  |
| *F. multistriata* VS. *R. dugritei* | 1.000  | 1.000  | 1.000  | 1.000  |
| *S. glandulatus* VS. *N. pleskei* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *S. glandulatus* VS. *P. weiningensis* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *S. glandulatus* VS. *A. shapingensis* | 0.973  | 0.998  | 0.931  | 0.710  |
| *S. glandulatus* VS. *O. margaretae* | 1.000  | 1.000  | 1.000  | 1.000  |
| *S. glandulatus* VS. *H. gongshanensis* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *S. glandulatus* VS. *B.gargarizans* | 1.000  | 1.000  | 1.000  | 1.000  |
| *S. glandulatus* VS. *P. nigromaculatus* | 1.000  | 1.000  | 1.000  | 1.000  |
| *S. glandulatus* VS. *S. mammatus* | 0.495  | 0.814  | 0.404  | 0.736  |
| *S. glandulatus* VS. *O. pingii* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *S. glandulatus* VS. *R. dugritei* | 0.120  | 0.213  | 0.100  | 0.134  |
| *N. pleskei* VS. *P. weiningensis* | 0.998  | 1.000  | 1.000  | 1.000  |
| *N. pleskei* VS. *A. shapingensis* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | 0.005\*\*  | 0.004\*\*  |
| *N. pleskei* VS. *O. margaretae* | 0.080  | 0.083  | 0.403  | 0.414  |
| *N. pleskei* VS. *H. gongshanensis* | 1.000  | 1.000  | 1.000  | 1.000  |
| *N. pleskei* VS. *B.gargarizans* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *N. pleskei* VS. *P. nigromaculatus* | 0.001\*\*  | ＜0.001\*\*\*  | 0.168  | 0.152  |
| *N. pleskei* VS. *S. mammatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *N. pleskei* VS. *O. pingii* | 1.000  | 1.000  | 1.000  | 0.790  |
| *N. pleskei* VS. *R. dugritei* | 0.891  | 0.889  | 0.999  | 0.999  |
| *P. weiningensis* VS. *A. shapingensis* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | 0.003\*\*  | 0.004\*\*  |
| *P. weiningensis* VS. *O. margaretae* | 0.041\*  | **0.052**  | 0.375  | 0.418  |
| *P. weiningensis* VS. *H. gongshanensis* | 0.995  | 0.999  | 1.000  | 1.000  |
| *P. weiningensis* VS. *B.gargarizans* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *P. weiningensis* VS. *P. nigromaculatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | 0.157  | 0.152  |
| *P. weiningensis* VS. *S. mammatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *P. weiningensis* VS. *O. pingii* | 0.718  | 0.896  | 0.970  | 0.998  |
| *P. weiningensis* VS. *R. dugritei* | 0.464  | 0.585  | 0.996  | 0.999  |
| *A. shapingensis* VS. *O. margaretae* | 1.000  | 1.000  | 0.987  | 0.967  |
| *A. shapingensis* VS. *H. gongshanensis* | 0.001\*\*  | ＜0.001\*\*\*  | 0.010\*  | 0.006\*\*  |
| *A. shapingensis* VS. *B.gargarizans* | 0.998  | 0.996  | 0.788  | 0.447  |
| *A. shapingensis* VS. *P. nigromaculatus* | 0.378  | 0.599  | 0.660  | 0.628  |
| *A. shapingensis* VS. *S. mammatus* | 0.046\*  | **0.138**  | 0.003\*\*  | 0.003\*\*  |
| *A. shapingensis* VS. *O. pingii* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | 0.007\*\*  | 0.007\*\*  |
| *A. shapingensis* VS. *R. dugritei* | 0.836  | 0.866  | 0.994  | 1.000  |
| *O. margaretae* VS. *H. gongshanensis* | 0.099  | 0.107  | 0.440  | 0.442  |
| *O. margaretae* VS. *B.gargarizans* | 1.000  | 1.000  | 1.000  | 1.000  |
| *O. margaretae* VS. *P. nigromaculatus* | 1.000  | 1.000  | 1.000  | 1.000  |
| *O. margaretae* V S. *S. mammatus* | 1.000  | 1.000  | 1.000  | 1.000  |
| *O. margaretae* VS. *O. pingii* | 0.102  | 0.117  | 0.420  | 0.451  |
| *O. margaretae* VS. *R. dugritei* | 0.508  | 0.529  | 0.719  | 0.722  |
| *H. gongshanensis* VS. *B.gargarizans* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *H. gongshanensis* VS. *P. nigromaculatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | 0.166  | 0.153  |
| *H. gongshanensis* VS. *S. mammatus* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *H. gongshanensis* VS. *O. pingii* | 1.000  | 1.000  | 1.000  | 1.000  |
| *H. gongshanensis* VS. *R. dugritei* | 0.991  | 0.985  | 1.000  | 1.000  |
|  *B.gargarizans* VS. *P. nigromaculatus* | 0.999  | 1.000  | 1.000  | 1.000  |
|  *B.gargarizans* VS. *S. mammatus* | 0.121  | 0.764  | 0.840  | 0.981  |
|  *B.gargarizans* VS. *O. pingii* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
|  *B.gargarizans* VS. *R. dugritei* | 0.149  | 0.208  | 0.048  | 0.070  |
| *P. nigromaculatus* VS. *S. mammatus* | 1.000  | 1.000  | 1.000  | 1.000  |
| *P. nigromaculatus* VS. *O. pingii* | 0.001\*\*  | 0.001\*\*  | 0.175  | 0.167  |
| *P. nigromaculatus* VS. *R. dugritei* | 0.034\*  | **0.065**  | 0.180  | 0.176  |
| *S. mammatus* VS. *O. pingii* | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  | ＜0.001\*\*\*  |
| *S. mammatus* VS. *R. dugritei* | 0.054  | 0.109  | 0.002\*\*  | 0.005\*\*  |
| *O. pingii* VS. *R. dugritei* | 0.976  | 0.988  | 1.000  | 1.000  |

\*\*\* = *P* ＜0.001; \*\* = *P* ＜0.01; \* = *P* ＜0.05. Magnitude of the interspecific differences were reduced in bold. Red indicates the magnitude of the interspecific differences were increased.