Table S4. Multiple comparisons of fresh specimens and preserved specimens respectively (Tamhane’s T2). Magnitude of the interspecific differences were reduced in bold. Red indicates the magnitude of the interspecific differences were increased.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pairs | *P*-value | | | |
| Body length | | Body mass | |
| Difference in Ll | Difference in Lp | Difference in Ml | Difference in Mp |
| *A. loloensis* VS. *F. multistriata* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *A. loloensis* VS. *S. glandulatus* | 0.024\* | **0.149** | 0.161 | 0.159 |
| *A. loloensis* VS. *N. pleskei* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *A. loloensis* VS. *P. weiningensis* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *A. loloensis* VS. *M. 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\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *A. loloensis* VS. *O. pingii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *A. loloensis* VS. *R. dugritei* | 0.977 | 0.973 | 0.999 | 1.000 |
| *A. loloensis* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.210 | 0.061 |
| *F. multistriata* VS. *S. glandulatus* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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. *M. 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* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *F. multistriata* VS. *P. nigromaculatus* | 0.014\* | 0.007\*\* | 0.196 | 0.184 |
| *F. multistriata* VS. *S. mammatus* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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 |
| *F. multistriata* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *S. glandulatus* VS. *N. pleskei* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *S. glandulatus* VS. *P. weiningensis* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *S. glandulatus* VS. *M. 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* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *S. glandulatus* VS. *R. dugritei* | 0.120 | 0.213 | 0.100 | 0.134 |
| *S. glandulatus* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *N. pleskei* VS. *P. weiningensis* | 0.998 | 1.000 | 1.000 | 1.000 |
| *N. pleskei* VS. *M. shapingensis* | 0.000\*\*\* | 0.000\*\*\* | 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* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *N. pleskei* VS. *P. nigromaculatus* | 0.001\*\* | 0.000\*\*\* | 0.168 | 0.152 |
| *N. pleskei* VS. *S. mammatus* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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 |
| *N. pleskei* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *P. weiningensis* VS. *M. shapingensis* | 0.000\*\*\* | 0.000\*\*\* | 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* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *P. weiningensis* VS. *P. nigromaculatus* | 0.000\*\*\* | 0.000\*\*\* | 0.157 | 0.152 |
| *P. weiningensis* VS. *S. mammatus* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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 |
| *P. weiningensis* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *M. shapingensis* VS. *O. margaretae* | 1.000 | 1.000 | 0.987 | 0.967 |
| *M. shapingensis* VS. *H. gongshanensis* | 0.001\*\* | 0.000\*\*\* | 0.010\* | 0.006\*\* |
| *M. shapingensis* VS. *B.gargarizans* | 0.998 | 0.996 | 0.788 | 0.447 |
| *M. shapingensis* VS. *P. nigromaculatus* | 0.378 | 0.599 | 0.660 | 0.628 |
| *M. shapingensis* VS. *S. mammatus* | 0.046\* | **0.138** | 0.003\*\* | 0.003\*\* |
| *M. shapingensis* VS. *O. pingii* | 0.000\*\*\* | 0.000\*\*\* | 0.007\*\* | 0.007\*\* |
| *M. shapingensis* VS. *R. dugritei* | 0.836 | 0.866 | 0.994 | 1.000 |
| *M. shapingensis* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.687 | 0.507 |
| *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 |
| *O. margaretae* VS. *B. pinchonii* | 0.005\*\* | **0.029\*** | 0.740 | 0.693 |
| *H. gongshanensis* VS. *B.gargarizans* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *H. gongshanensis* VS. *P. nigromaculatus* | 0.000\*\*\* | 0.000\*\*\* | 0.166 | 0.153 |
| *H. gongshanensis* VS. *S. mammatus* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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 |
| *H. gongshanensis* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.006\*\* | 0.000\*\*\* |
| *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* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *B.gargarizans* VS. *R. dugritei* | 0.149 | 0.208 | 0.048 | 0.070 |
| *B.gargarizans* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *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 |
| *P. nigromaculatus* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.355 | 0.313 |
| *S. mammatus* VS. *O. pingii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *S. mammatus* VS. *R. dugritei* | 0.054 | 0.109 | 0.002\*\* | 0.005\*\* |
| *S. mammatus* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *O. pingii* VS. *R. dugritei* | 0.976 | 0.988 | 1.000 | 1.000 |
| *O. pingii* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* | 0.000\*\*\* |
| *R. dugritei* VS. *B. pinchonii* | 0.000\*\*\* | 0.000\*\*\* | 1.000 | 1.000 |

\*\*\* = *P* ＜ 0.001; \*\* = *P* ＜ 0.01; \* = *P* ＜ 0.05.