**Supplemental Table 4.** Comparisons of Scutellation and Black Spot Pattern characters in *Pituophis deppei* among the four biogeographic provinces. Characters marked with an \* indicate those with significant differences. The column χ² (Province) indicates the percentage of variation explained by the fixed factors, with respect to the percentage explained by χ² (Error) corresponding to the random factors. The column *P(adj)* indicates the *P* values adjusted by Holm test.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Scutelation and Black Spot Pattern Characters** | **d.f. (Provinces)** | **d.f. (Error)** | **d.f. (Total)** | **χ² (Provinces)** | **χ² (Error)** | **χ² (Total)** | ***P*** | ***P(adj)*** |
| Dorsal Scales (DS)\* | 3 | 244 | 247 | 4.55 (6.6%) | 64.2 (93.4%) | 68.85 | 0.0005 | <0.05 |
| Gular Scales (GS)\* | 3 | 220 | 223 | 18.11 (12.8%) | 122.8 (87.2%) | 140.99 | 0.0004 | <0.05 |
| Loreal Scales (LS) | 3 | 238 | 241 | 0.14 (1.5%) | 9.8 (98.5%) | 10.02 | 0.9858 | >0.05 |
| Lower Labial Scales (LLS) | 3 | 240 | 243 | 0.74 (3.7%) | 19.4 (96.3%) | 20.23 | 0.825 | > 0.05 |
| Nasal Scales (NS) | 3 | 238 | 241 | 0.003 (0.2%) | 1.6 (99.8%) | 1.66 | 0.9999 | >0.05 |
| Postocular Scales (POS) | 3 | 238 | 241 | 2.42 (7.7%) | 29.1 (92.3%) | 31.55 | 0.4898 | >0.05 |
| Scales Bordering Parietal Scales (SBPS) | 3 | 238 | 241 | 0.40 (0.9%) | 46.1 (99.1%) | 46.58 | 0.94 | >0.05 |
| Tail Scales (TS)\* | 3 | 204 | 207 | 3.73 (2.4%) | 149 (97.6%) | 152.81 | 0.0385 | <0.05 |
| Temporal Scales (TMS) | 3 | 242 | 245 | 0.76(1.3%) | 57.3 (98.7%) | 58.17 | 0.8573 | >0.05 |
| Upper Labial Scales (ULS) | 3 | 238 | 241 | 0.004 (0.1%) | 3.4 (99.9%) | 3.45 | 0.9999 | >0.05 |
| Ventral Scales (VS)\* | 3 | 237 | 240 | 5.69 (6.4%) | 83.4 (93.6%) | 89.17 | 0.0011 | <0.05 |
| Dorsal Black Spots (DBS)\* | 3 | 245 | 248 | 17.08 (9.1%) | 171.4 (90.9%) | 188.49 | 0.0006 | <0.05 |
| Lower Labial Black Spots (LLBS)\* | 3 | 249 | 252 | 24.96 (6.4%) | 367.1 (93.6%) | 392.07 | 0.0001 | <0.05 |
| Tail Black Spots (TBS) | 3 | 221 | 224 | 2.22 (2.9%) | 75 (97.1%) | 77.25 | 0.5278 | >0.05 |
| Upper Labial Black Spots (ULBS)\* | 3 | 249 | 252 | 21.74 (6.4%) | 317.3 (93.6%) | 339.12 | 0.0001 | <0.05 |