**Table S1**. Morphometric data for *Pseudolithoxus kinja*. N = number of observations (including the holotype), SD = standard deviation.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Measurement** | **Holotype** | **N** | **Range** | **Mean** | **SD** |
| Standard length (mm) | 148.0 | 35 | 72.2 - 153.1 | 108.8 |  |
| **Percents of standard length** | | | | | |
| Predorsal length | 41.1 | 35 | 39.4 - 43.5 | 41.0 | 1.0 |
| Head length | 34.1 | 35 | 31.9 - 35.6 | 33.6 | 1.1 |
| Occipital depth | 13.3 | 35 | 11.4 - 14.9 | 13.1 | 0.6 |
| Supracleithral width | 25.8 | 35 | 23.9 - 27.2 | 25.3 | 0.7 |
| Cleithral width | 33.1 | 35 | 30.0 - 33.5 | 31.9 | 1.0 |
| Dorsal-fin base length | 25.4 | 35 | 23.0 - 28.6 | 24.8 | 1.1 |
| Interdorsal length | 20.7 | 35 | 18.5 - 22.3 | 20.3 | 0.8 |
| Prepectoral length | 28.5 | 35 | 26.3 - 29.6 | 27.9 | 0.9 |
| Prepelvic length | 45.6 | 35 | 44.8 - 48.9 | 46.8 | 1.1 |
| Dorsal-fin spine length | 26.0 | 34 | 21.9 - 26.7 | 24.4 | 1.2 |
| Pectoral-fin spine length | 45.9 | 35 | 31.9 - 46-3 | 38.7 | 3.9 |
| Pelvic-fin spine length | 23.0 | 35 | 20.1 - 24.2 | 22.4 | 0.9 |
| Thoracic length | 20.5 | 35 | 20.0 - 24.1 | 22.1 | 1.1 |
| Abdominal length | 23.9 | 35 | 20.3 - 23.9 | 22.0 | 0.9 |
| Upper caudal-fin spine length | - | 20 | 20.7 - 25.7 | 23.0 | 1.6 |
| Lower caudal-fin spine length | 30.2 | 22 | 23.2 - 32.6 | 28.4 | 2.3 |
| Adipose fin to caudal fin length | 12.9 | 35 | 11.1 - 16.0 | 13.2 | 1.2 |
| Caudal peduncle depth | 8.3 | 35 | 7.3 - 8.3 | 7.8 | 0.3 |
| Anal fin to caudal fin length | 32.5 | 35 | 31.9 - 37.0 | 34.2 | 1.3 |
| **Percents of head length** | | | | | |
| Snout length | 62.7 | 35 | 57.6 - 64.2 | 60.6 | 1.6 |
| Interorbital distance | 28.2 | 35 | 24.4 - 30.4 | 27.9 | 1.5 |
| Orbital diameter | 14.6 | 35 | 14.3 - 18.9 | 16.8 | 1.1 |
| Mandibular width | 17.1 | 35 | 15.0 - 17.6 | 16.2 | 0.7 |
| **Counts** |  |  |  |  |  |
| Mid-lateral plates | 24 | 35 | 23 - 25 | 24 | 0.4 |
| Plates along dorsal-fin base | 6 | 35 | 6 - 8 | 7 | 0.4 |
| Plates between dorsal and adipose fins | 7 | 35 | 6 - 8 | 7 | 0.3 |
| Plates between adipose and caudal fins | 6 | 35 | 5 - 6 | 6 | 0.5 |
| Plates between anal and caudal fins | 12 | 35 | 12 - 13 | 13 | 0.3 |
| Premaxilary teeth | 75 | 35 | 47 - 81 | 61 | 8.0 |
| Dentary teeth | 84 | 35 | 51 - 86 | 67 | 8.7 |
| Hypertrophied cheek odontodes | 43 | 35 | 29 - 89 | 39 | 5.1 |