**Supplementary file 4.** Pairwise p-distances among 18S sequences of three new Loxocaudinae species.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Glacioloxoconcha jeongokensis*\_I11 |  |  |  |  |  |  |  |  |  |
| *Glacioloxoconcha jeongokensis*\_I12 | 0.000 |  |  |  |  |  |  |  |  |
| *Glacioloxoconcha jeongokensis*\_I13 | 0.002 | 0.002 |  |  |  |  |  |  |  |
| *Glacioloxoconcha jisepoensis*\_I21 | 0.002 | 0.002 | 0.003 |  |  |  |  |  |  |
| *Glacioloxoconcha jisepoensis*\_I22 | 0.000 | 0.000 | 0.002 | 0.002 |  |  |  |  |  |
| *Glacioloxoconcha jisepoensis*\_I23 | 0.001 | 0.001 | 0.003 | 0.003 | 0.001 |  |  |  |  |
| *Loxocauda orientalis*\_I31 | 0.003 | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 |  |  |  |
| *Loxocauda orientalis*\_I32 | 0.003 | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 | 0.000 |  |  |
| *Loxocauda orientalis*\_I41 | 0.003 | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 | 0.000 | 0.000 |  |
| *Loxocauda orientalis*\_I42 | 0.003 | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 | 0.000 | 0.000 | 0.000 |