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| --- |
| **Appendix B:** Character state matrix |
| Character | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Taxa |  |  |  |  |  |  |  |  |  |  |  |  |
| *Anisochelus inornatus* | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| *Anisonyx* *ursus*  | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| *Chasme* *decora*  | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| *Chasme* sp.  | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| *Clania* *glenlyonensis*  | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| *Clania macgregori*  | 0 | 1 | 1 | 1 | 1 | 1 | 0 | ? | 0 | 1 | 1 | 0 |
| *Congella* sp. | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| *Dolichiomicroscelis gracilis*  | 0 | 0 | 1 | 1 | 0 | 0 | 0 | ? | 0 | 1 | 1 | 0 |
| *Heterochelus pickeri*  | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| *Kubousa gentilis*  | ? | ? | 1 | 0 | 0 | 0 | 1 | ? | 0 | 1 | 1 | 0 |
| *Lepisia* *ornatissima* | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| *Lepisia rupicola*  | 0 | 1 | 1 | 1 | 1 | ? | 1 | 0 | 0 | 1 | 1 | 0 |
| *Lepithrix* sp.  | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| *Mauromecistoplia* *nieuwoudtvillensis* | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| *Pachycnema* *calcarata*  | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| *Pachycnema* *crassipes*  | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| *Pachycnema* *flavolineata*  | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| *Scelophysa* *scheffoldi*  | 0 | 1 | 1 | 1 | 1 | 1 | 0 | ? | 0 | 1 | 1 | 0 |