**Table S2:** Definition of characters used in traditional morphometrics analysis

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| **Character ID** | **Description** |
| C9SN | Number of spines on coxite 9; insertion points of spines were counted to include also broken and removed spines |
| G8ArN | Number of articles (pseudosegments) of gonapophysis VIII |
| G8FCN | Number of fossorial claws on gonapophysis VIII |
| G8SGN | Number of groups of sensory spines on gonapophysis VIII |
| G9ArN | Number of articles (pseudosegments) of gonapophysis IX |
| G9FCN | Number of fossorial claws on gonapophysis IX |
| Ti1SN | Number of spines on ventral side of tibia 1; insertion points were counted to include broken and missing spines |
| Ti2SN | Number of spines on ventral side of tibia 2; insertion points were counted to include broken and missing spines |
| Ti3SN | Number of spines on ventral side of tibia 3; insertion points were counted to include broken and missing spines |