Table S7. Plesiomorphic and apomorphic states of the main morphological characters of *Pedetontus* (*Verhoeffilis*), *Platypedetontus*, *Pedetontinus*, and *Silvestrichilis*.

Character	State	
	plesiomorphic	**apomorphic**
1. Number of abdominal eversible vesicles	1.1. 2 pairs on some urocoxite	1.2. only 1 pair
2. Eye length to width	2.1. >0.95	2.2. <0.95
3. Length of contact line of eyes/length of eye	3.1. >0.5	3.2. <0.5
4. Subspiniform setae on tarsus	4.1. Present	4.2. Absent
5. Ultimate article of male labial palpus	5.1. Clavate	5.2. Modified
6. Male stylus IX (not including supporting spines) to urocoxite IX length ratio	6.1. >1	6.2. <1
7. Scales on flagellum	7.1. Present	7.2. Absent
8. Lateral ocelli	8.1. Sole-shaped (dumbbell-shaped)	8.2. Subrectangular (elliptic)
9. Anterior parameres	9.1. Present	9.2. Absent
10. Male foreleg femur	10.1. Normal	10.2. Swollen