

Supplementary Table S2. Morphological characters and their states coded for this phylogenetic analysis, from Pescador et al. (2009), except where noticed.

Character	Character states
<i>Nymph</i>	
0. Frontal projection	(0) absent (1) bilobed (2) non-bilobed
1. Genae	(0) not produced into spines (1) produced into spines
2. Genal shelf (new)	(0) not projected/less projected (1) projected
3. Antennae (new)	(0) short (1) long
4. Compound eyes	(0) non-stripped (1) stripped
5. Occipital tubercles (female)	(0) absent (1) present
6. Mesonotal shield (new)	(0) smooth (1) with projections and spines
7. Lateral margins of mesonotal shield	(0) strongly divergent (1) nearly parallel
8. Lateromedian lobe of mesonotal shield	(0) absent (1) weakly developed broadly rounded (2) well-developed subtriangular
9. Lateral projections of mesonotal shield	(0) absent (1) length subequal to shorter than width at base (2) length 1.3-1.7x width at base (3) length 2x or more the width at base
10. Dorsal projections of mesonotal shield	(0) absent (1) present, low elevated, broadly rounded (2) present, highly elevated, cone or peg shaped
11. Lateral margins of mesonotal shield	(0) smooth (1) finely denticulate (2) coarsely serrate
12. Outlining/markings of ventral margin of mesonotal shield	(0) absent (1) present
13. Length vs width of mesonotal shield	(0) length subequal to or shorter than width (1) length longer than width
14. Pattern of speckling/ markings on mesonotal shield	(0) banded (1) reticulate (2) finely checked or grainy (3) dotted
15. Apex of lateral projections of mesonotal shield	(0) absent (1) blunt (2) tapered to pointed, if sclerotised, only at tip (3) pointed and heavily sclerotised
16. Legs	(0) unicolorous (1) bicolorous
17. Tarsal claws	(0) <1/2 length of tarsi (1) >1/2 length of tarsi
18. Lateral margins of abdomen	(0) glabrous or with few short hairs (1) with long thick hairs
19. Posterolateral projections of abdominal segments VI-VIII	(0) weakly developed, apically blunt (1) well-developed, apically sharp pointed
20. Dorsoventral shape of nymph	(0) compressed (1) distinctly convex
<i>Adult</i>	
21. Shape of penes	(0) triangular (1) subquadrangular
22. Penis lobes (new)	(0) separated (1) not separated
23. First segment of forceps	(0) with triangular projection on inner margin (1) without triangular projection on inner margin
24. Ratio forewing/hind wing (new)	(0) almost 1/2 (1) 1/3 (2) 1/4 (3) 1/5
25. Forewing colouration of imago	(0) entirely hyaline (1) basal 1/3-1/2 flushed with orange to reddish brown
26. Forewing shape (new)	(0) triangular (1) elongated/narrower
27. Crossveins of forewing (new)	(0) absent (1) present - prominent (2) present - not prominent
28. MA vein of forewing (new)	(0) unforked (1) forked
29. Hind wing colouration of imago	(0) entirely hyaline (1) basal 1/4-3/4 flushed with orange to reddish brown (2) almost entirely orange to reddish brown
30. Shape of hind wing (new)	(0) oval (1) rounded
31. Costal projection on hind wing (new)	(0) absent (1) present
32. Middorsal transverse elevation in tergum VI (new)	(0) absent (1) present
33. Apical cleft in sternum IX (female) (new)	(0) absent (1) present
34. Prosternal bispinate projection (new)	(0) absent (1) present
35. Each foreleg in male adult with (new)	(0) two blunt claws (1) single blunt claw