

**Phylogenetic species delimitation for the widespread spider wasp
Ageniella accepta (Hymenoptera: Pompilidae), with new
synonyms**

Cecilia Waichert^{a,*}, Joseph S. Wilson^b, James P. Pitts^c and Carol D. von Dohlen^c

^aUniversidade Vila Velha, Programa de Pós-Graduação em Ecologia de Ecossistemas, Vila Velha, ES 29.102-920, Brazil

^bUtah State University, Department of Biology, Tooele, UT 84074, USA

^cUtah State University, Department of Biology, Logan, UT 84322–5305, USA

*Corresponding author, e-mail: cwaichert@gmail.com

Supplementary material

S1. Matrix of 12 morphological characters, with voucher codes and sex.

S2. Maximum likelihood topology for *Ageniella accepta* species group recovered from COI.

S3. Maximum likelihood topology for *Ageniella accepta* species group recovered from Wg.

S4. Maximum likelihood topology for *Ageniella accepta* species group recovered from LWRh.

S5. Evolutionary divergence between sequences of COI in the *Ageniella accepta* species group. Analyses were conducted using the Kimura 2-parameter model and gamma distribution (shape parameter-1) for rate variation among sites.