

## Revision and phylogenetic analysis of *Chilicola sensu stricto* (Hymenoptera: Colletidae) with the description of a new species

JASON GIBBS<sup>1</sup> & LAURENCE PACKER<sup>2</sup>

Department of Biology, York University, 4700 Keele St., Toronto, ON, M3J 1P3, Canada.

E-mail: <sup>1</sup>[gibbs@yorku.ca](mailto:gibbs@yorku.ca); <sup>2</sup>[bugsrus@yorku.ca](mailto:bugsrus@yorku.ca)

### Table of contents

Abstract .....	2
Resumen .....	2
Introduction .....	2
Materials and methods .....	3
Results .....	4
Subgenus <i>Chilicola</i> s. str. Spinola .....	4
Key to the species of the subgenus <i>Chilicola</i> s. str. Spinola .....	5
<i>Chilicola (Chilicola) rubriventris</i> Spinola .....	6
<i>Chilicola (Chilicola) aisenensis</i> Toro and Moldenke .....	10
<i>Chilicola (Chilicola) colliguay</i> Toro and Moldenke .....	13
<i>Chilicola (Chilicola) luzmarieae</i> new species .....	15
<i>Chilicola (Chilicola) pangue</i> Toro and Moldenke .....	19
<i>Chilicola (Chilicola) venticola</i> Packer .....	21
Phylogenetic analysis .....	25
Discussion .....	27
Acknowledgements .....	28
References .....	28
Appendix .....	29