

## SUPPORTING INFORMATION

**Rougerie et al., Australian Sphingidae – DNA barcodes challenge current species boundaries and distributions.**

**Figure S7:** Maximum Parsimony tree (strict consensus of 3 trees, CI=0.78, RI=0.82) and geographical distribution for 98 DNA barcode records in the *Theretra oldenlandiae* / *Theretra insignis* complex. While subspecies *fuscata* (blue) of *T. oldenlandiae* and *kuhnei* (red) of *T. insignis* are both well differentiated genetically from all other taxa, subspecies *lewini* (yellow) is barely differentiated from the nominal subspecies of *T. oldenlandiae* (gray/white). Surprisingly, specimens of *T. insignis* are not genetically different either from *T. oldenlandiae lewini*, despite a very distinctive habitus. The genetic divergence between the latter and *T. insignis kuhnei* suggest however that we may be facing a case of current or past genetic introgression with specimens of *T. insignis* being of hybrid origin.

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