[https://doi.org/10.5852/ejt.2024.931.2505.1120](https://doi.org/10.5852/ejt.2024.931.2505.11209)9

**Supp. file 2.** Supplementary figures including images of the primary types and associated labels of all species of *Triepeolus* known from South America and their junior synonyms except that of *T. nemoralis*, which has been destroyed.

A collage of a bee

Description automatically generated with low confidence

**Fig. S1.** *Triepeolus aguilari* Moure, 1955 holotype, ♂ (DZUP) (herein synonymized under *T. buchwaldi* (Friese, 1908)). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Associated labels.

A picture containing text, invertebrate, arthropod, spider

Description automatically generated

**Fig. S2.** *Triepeolus alvarengai* Moure, 1955, ♀ (DZUP). **A**. Head, frontal view. **B**. Associated labels.

A collage of a bee

Description automatically generated with low confidence

**Fig. S3.** *Triepeolus atoconganus* Moure, 1955 lectotype, ♂ (DZUP). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Associated labels.

A collage of a spider

Description automatically generated with low confidence

**Fig. S4.** *Triepeolus bilineatus* Cockerell, 1949 holotype, ♀ (USNM 534618). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Habitus, ventral view. **E**. Pseudopygidial area, dorsal view. **F**. Associated labels.

A picture containing text, different, same

Description automatically generated

**Fig. S5.** *Epeolus buchwaldi* Friese, 1908 lectotype, ♂ (ZMB 8e2500). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Habitus, ventral view. **E**. Posterior metasoma, dorsal view. **F**. Associated labels (note that the lectotype designation label is provisional and will be replaced). Images are copyright of the Museum für Naturkunde and reproduced here with permission.

A collage of a bee

Description automatically generated with medium confidence

**Fig. S6.** *Triepeolus cecilyae* Packer, 2016 holotype, ♂ (PCYU). **A**. Posterior metasoma, dorsal view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Associated labels.

A collage of a bee

Description automatically generated with medium confidence

**Fig. S7.** *Epeolus flavipennis* Friese, 1916 lectotype, ♂ (ZMB 323e41). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Habitus, ventral view. **E**. Posterior metasoma, dorsal view. **F**. Associated labels (note that the lectotype designation label is provisional and will be replaced). Images are copyright of the Museum für Naturkunde and reproduced here with permission.

A picture containing text, different, insect

Description automatically generated

**Fig. S8.** *Epeolus luteipes* Friese, 1916 lectotype, ♀ (ZMB 235ffd). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Habitus, ventral view. **E**. Pseudopygidial area, dorsal view. **F**. Associated labels (note that the lectotype designation label is provisional and will be replaced). Images are copyright of the Museum für Naturkunde and reproduced here with permission.

A picture containing text, different

Description automatically generated

**Fig. S9.** *Triepeolus megadelphus* Cockerell, 1914 holotype, ♂ (AMNH AMNH\_IZC 00323951) (herein synonymized under *T. buchwaldi* (Friese, 1908)). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Habitus, ventral view. **E**. Posterior metasoma, dorsal view. **F**. Associated labels.

A collage of a bee

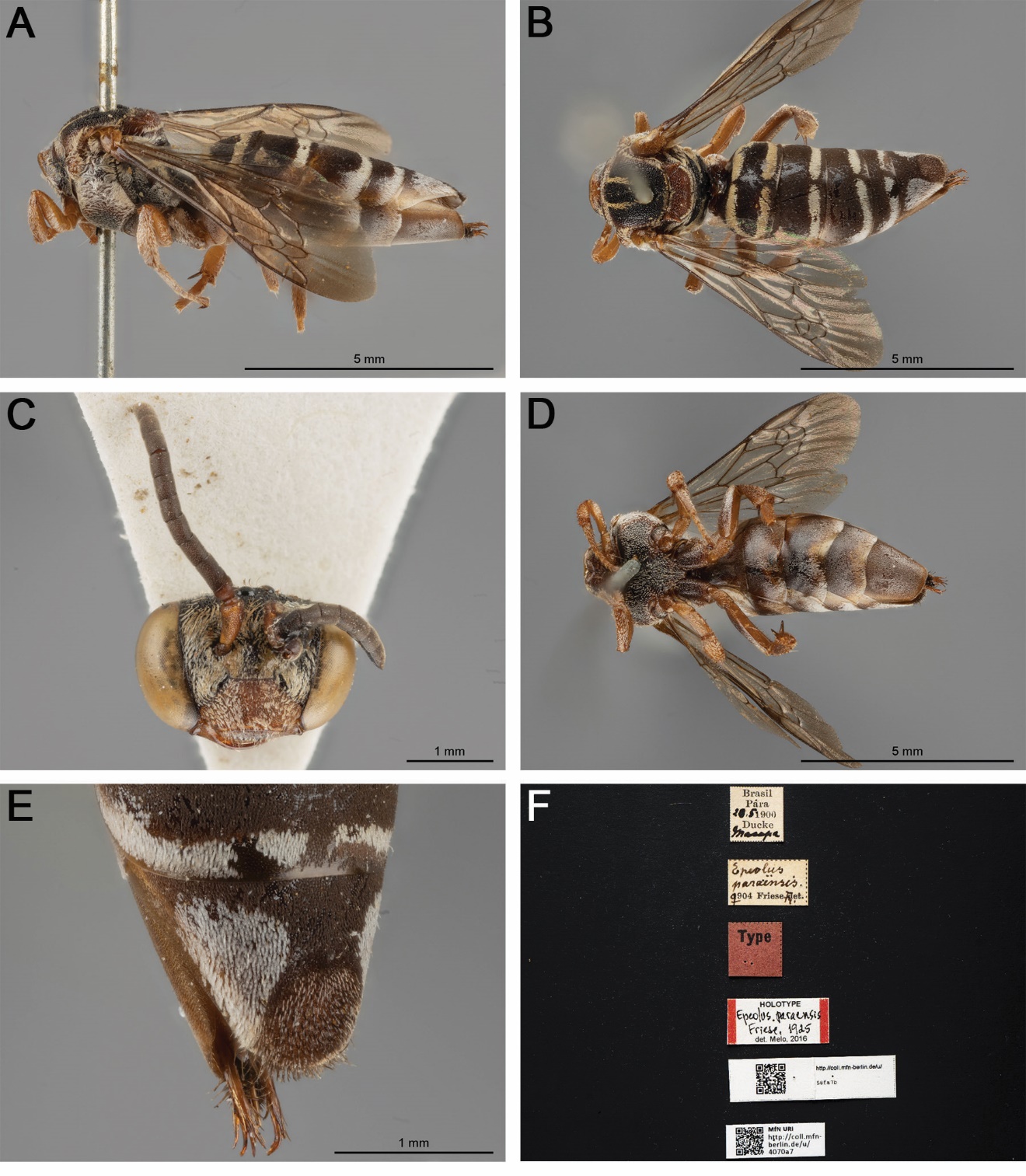
Description automatically generated with medium confidence

**Fig. S10.** *Epeolus merus* Brèthes, 1909 holotype, ♂ (MACN 10136). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Associated labels.

A picture containing text, different, insect

Description automatically generated

**Fig. S11.** *Epeolus osiriformis* Schrottky, 1910 lectotype, ♂ (MZUSP 102.272). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Associated labels (note that a lectotype designation label is missing but will be added).

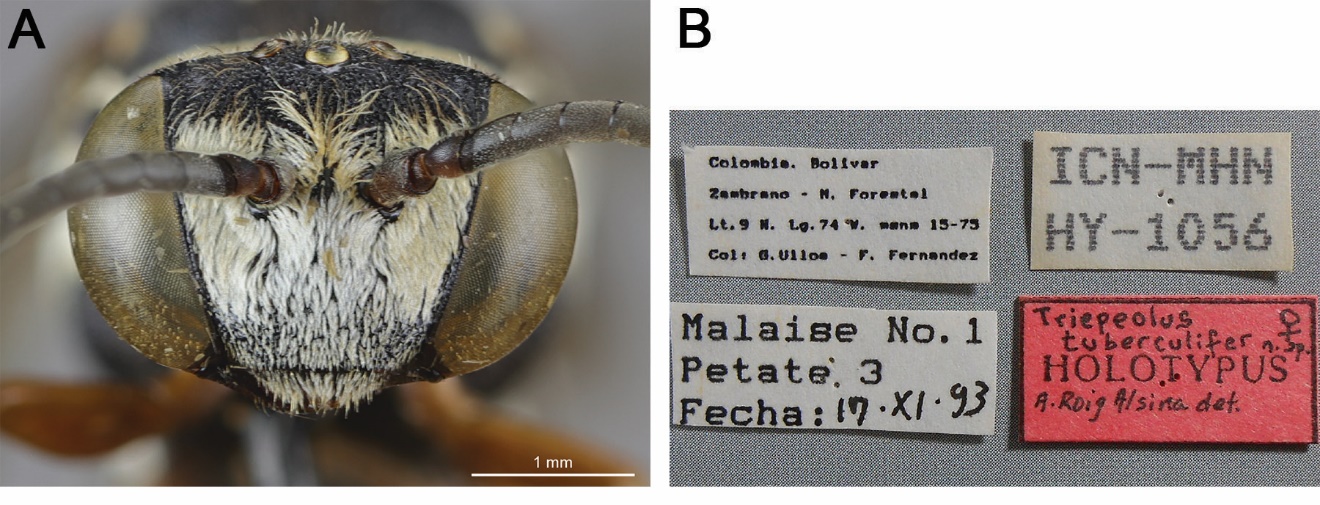


**Fig. S12.** *Epeolus paraensis* Friese, 1925 holotype, ♀ (ZMB 4070a7). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Habitus, ventral view. **E**. Pseudopygidial area, dorsal view. **F**. Associated labels. Images are copyright of the Museum für Naturkunde and reproduced here with permission.

A picture containing different, outdoor object

Description automatically generated

**Fig. S13.** *Epeolus rufotegularis* Ashmead, 1900 lectotype, ♀ (USNM 534865). **A**. Habitus, lateral view. **B**. Habitus, dorsal view. **C**. Head, frontal view. **D**. Habitus, ventral view. **E**. Pseudopygidial area, dorsal view. **F**. Associated labels (note that a lectotype designation label is missing but will be added).



**Fig. S14.** *Triepeolus* *tuberculifer* Onuferko, Rightmyer & Roig-Alsina sp. nov. holotype, ♀ (ICN HY-1056). **A**. Head, frontal view. **B**. Associated labels (note that the holotype determination label is provisional and will be replaced).