

Supplementary Data for:

Fragmenta entomologica, 52 (2): 197–211 (2020)

Research article

Submitted: September 11th, 2020 - *Accepted:* October 18th, 2020 - *Published:* November 15th, 2020

A new weevil genus from the highlands of China casts doubts on monophyly of Cotasteromimina (Coleoptera: Curculionidae, Molytinae)

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Fig. S1. Habitus of *Zembrus perseus* dorsal view.



Fig. S2. Habitus of *Zembrus perseus* ventral view.



Fig. S3. Habitus of *Zembrus perseus* lateral view.



Fig. S4. Habitus of *Zembrus perseus* dorso-lateral view.



Fig. S5. Habitus and genitalia of *Aparopion chevrolati*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, K: three last ventrites, L: bursa copulatrix, © Christoph Germann.



Fig. S6. Habitus and genitalia of *Cotasteromimus morimotoi*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-F: penis in dorsal and lateral view, G: female sternite VIII, H: spermatheca, I: gonocoxites, J: three last ventrites, © Christoph Germann.



Fig. S7. Habitus and genitalia of *Cotasteromorphus chujoii*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.



Fig. S8. Habitus and genitalia of *Seleuca* sp. A-C: habitus dorsal, ventral and lateral of female, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.

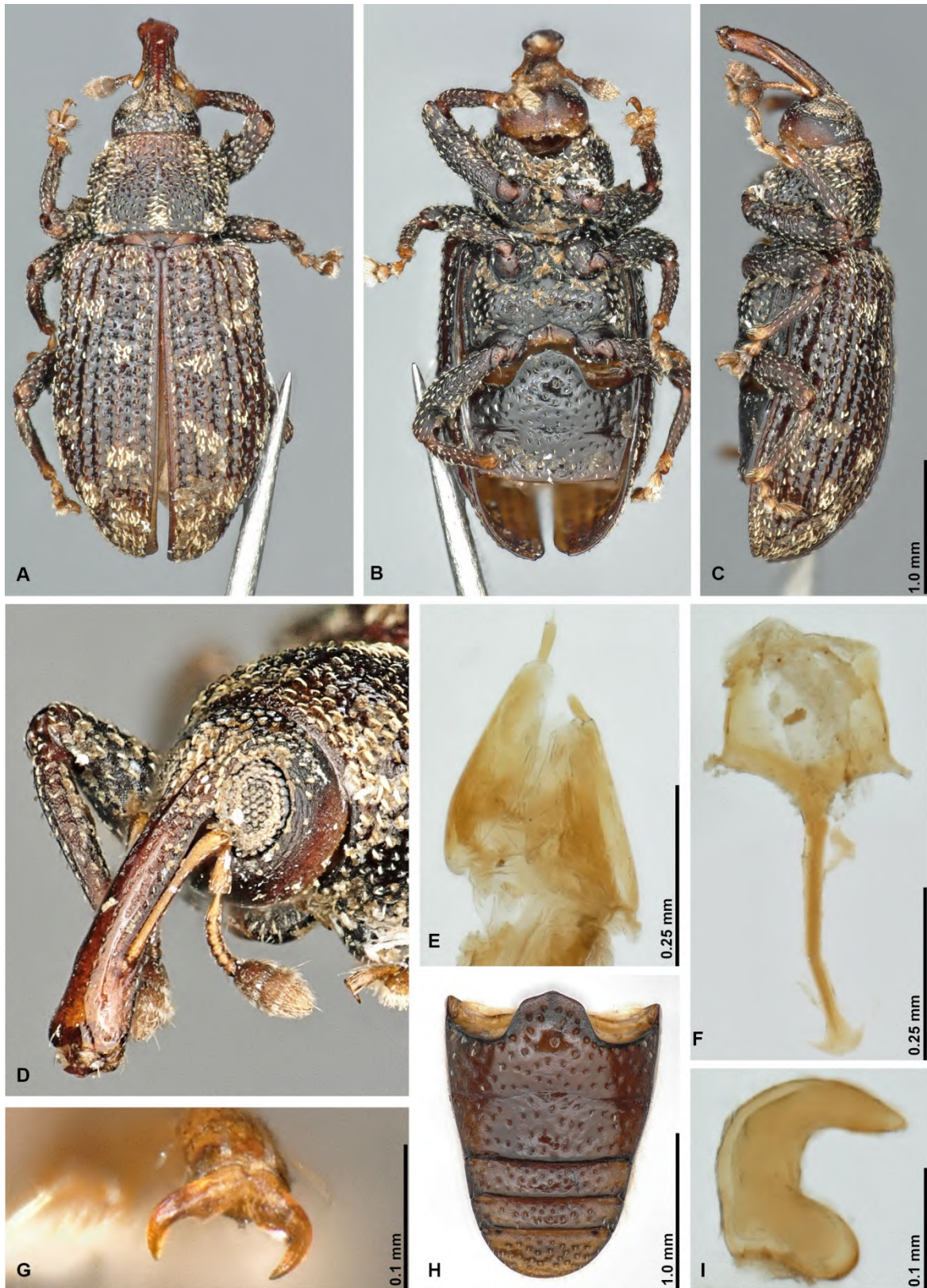


Fig. S9. Habitus and genitalia of *Dorytomorpha tonsa*. A-C: habitus dorsal, ventral and lateral of female, D: dorso-lateral view on head and rostrum, E: gonocoxites, F: sternite VIII, G: claws, H: ventrites, I: spermatheca, © Christoph Germann.

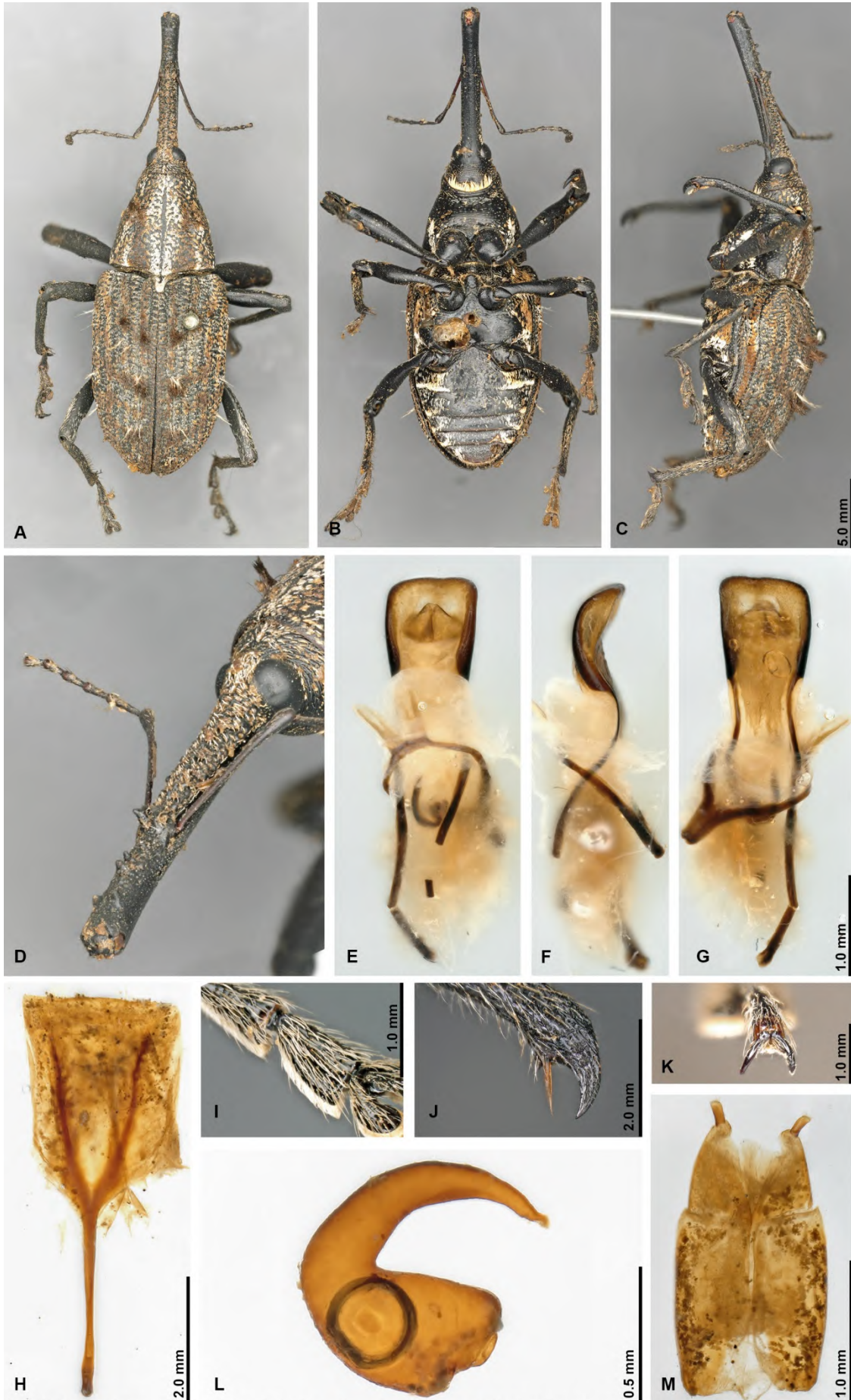


Fig. S10. Habitus and genitalia of *Eurhamphus fasciculatus*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: tarsus (flattened second tarsomere), J: premucro and uncus on apex of left protibia, K: claws, L: spermatheca, M: gonocoxites, © Christoph Germann.

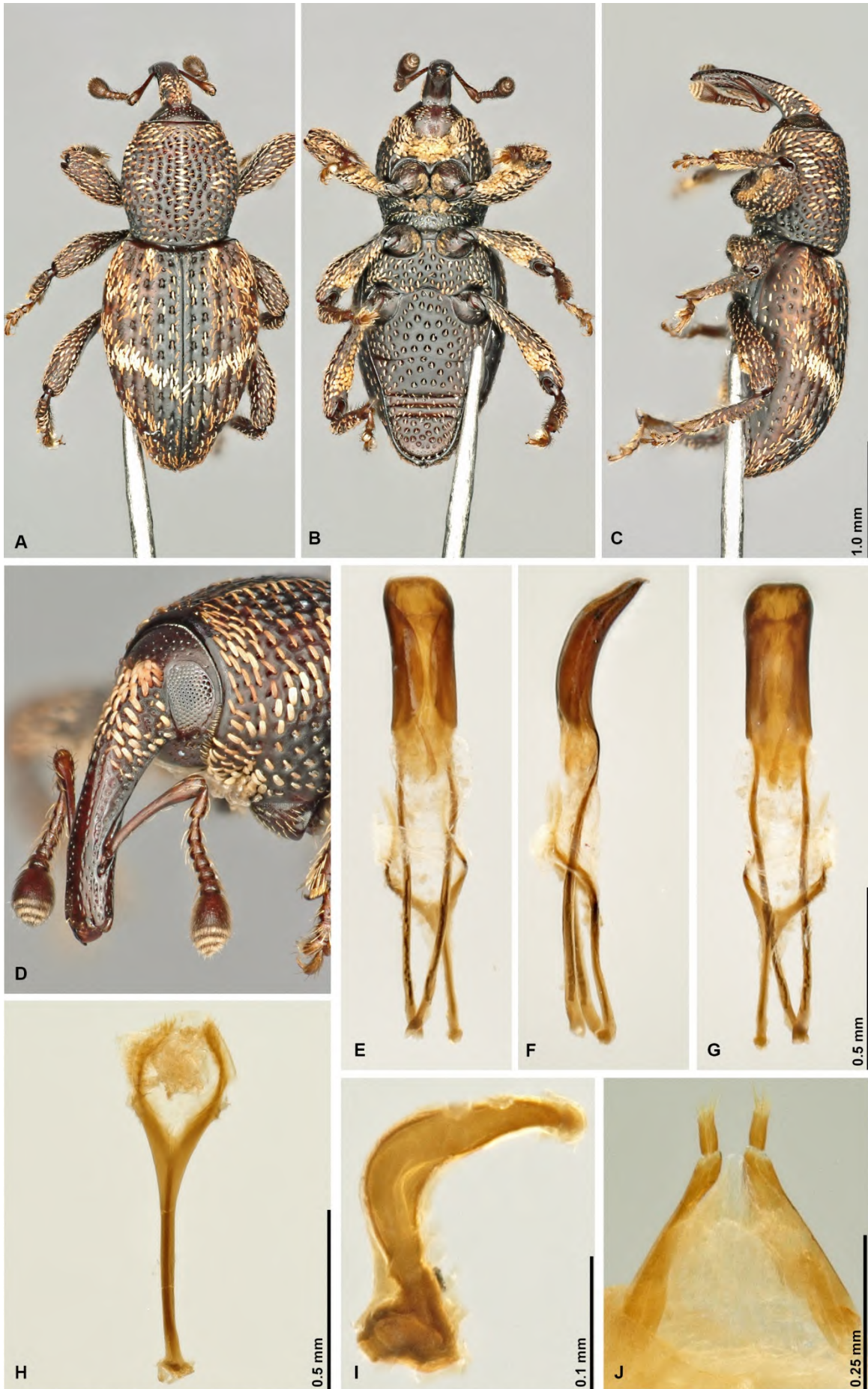


Fig. S11. Habitus and genitalia of *Himalanchonus* sp. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.

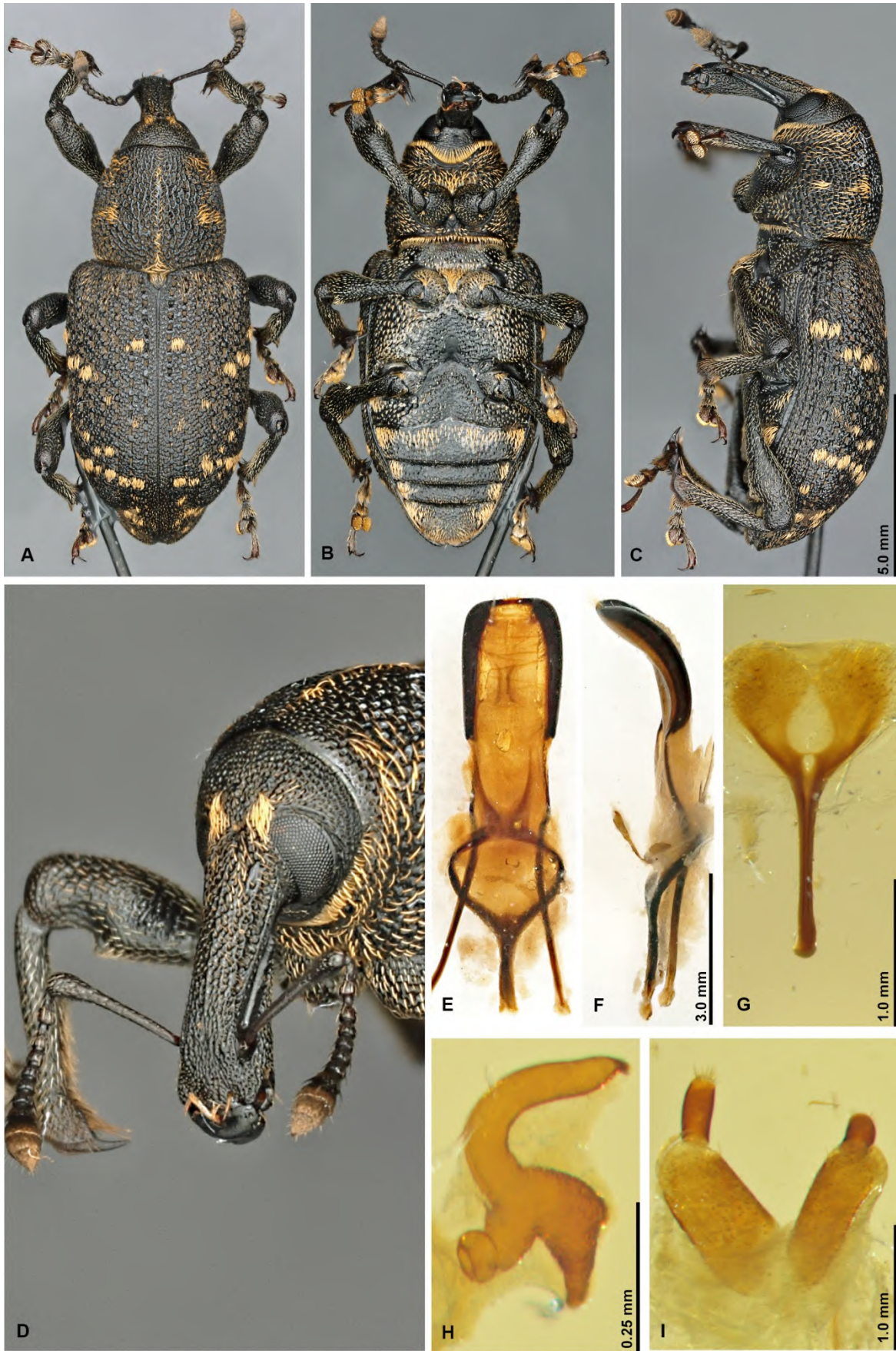


Fig. S12. Habitus and genitalia of *Hylobius abietis*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-F: penis in dorsal and lateral view, G: sternite VIII, H: spermatheca, I: gonocoxites, © Christoph Germann.

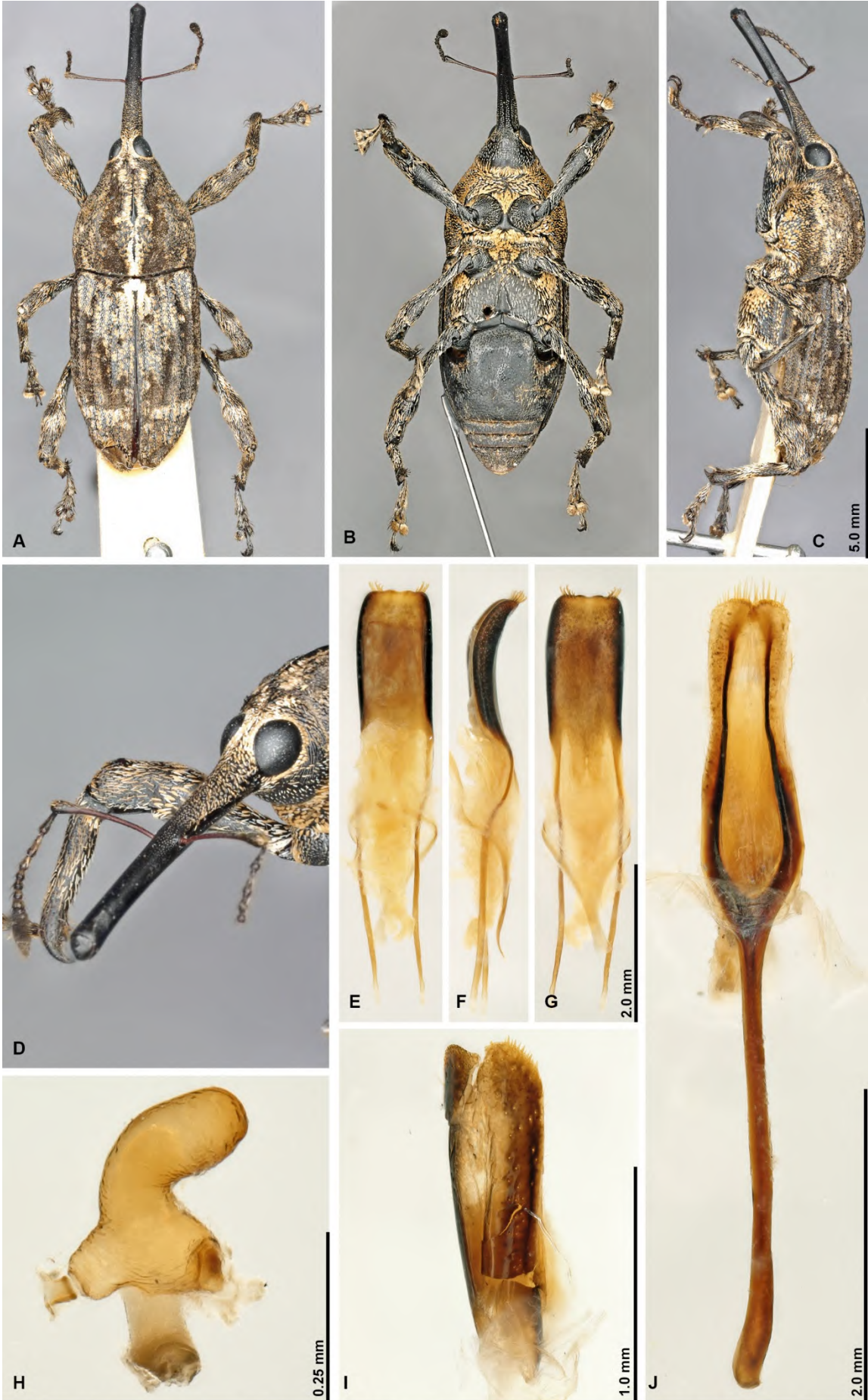


Fig. S13. Habitus and genitalia of *Ilacuris laticollis*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: spermatheca, I: gonocoxites, J: female sternite VIII, © Christoph Germann.

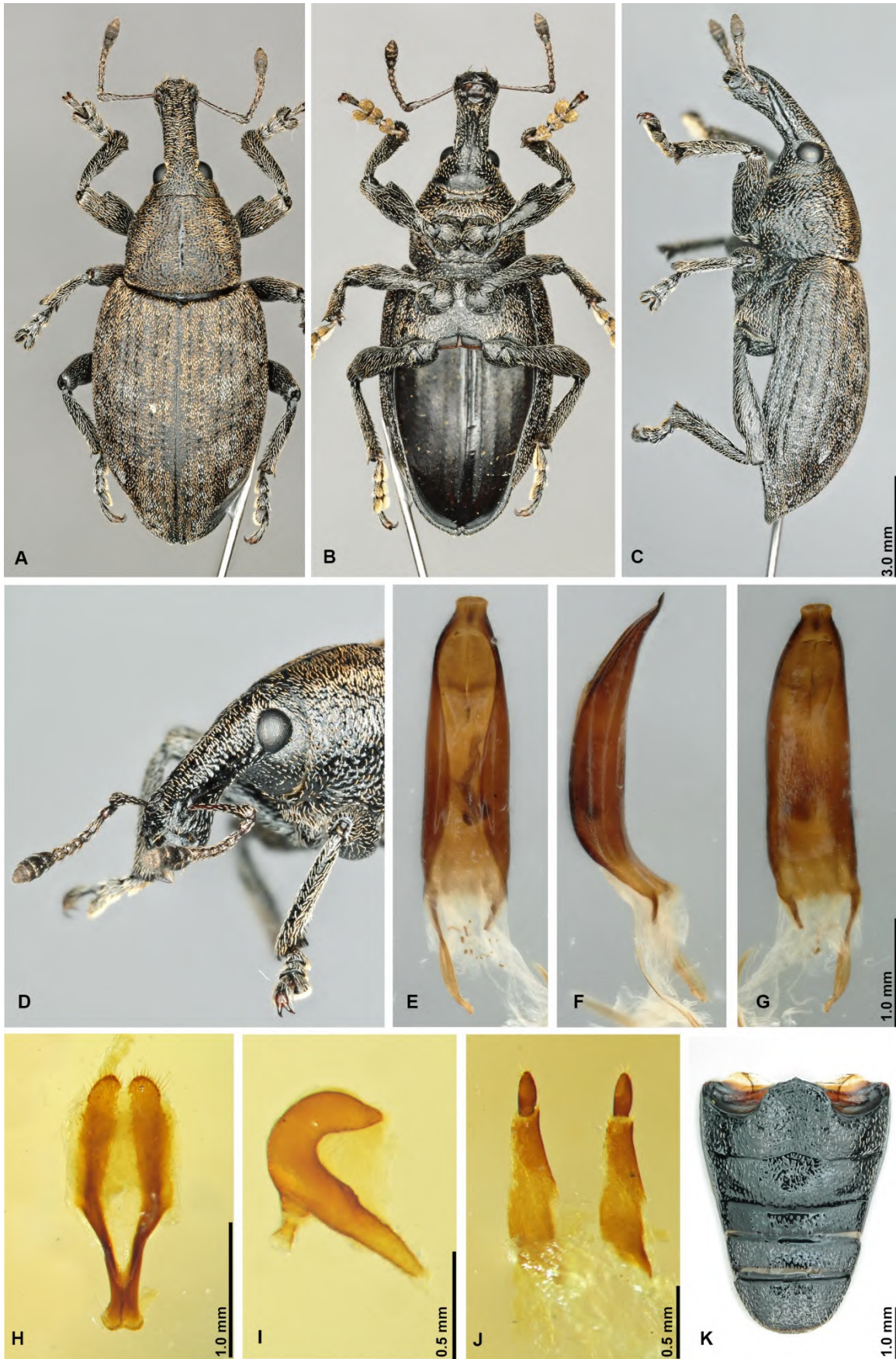


Fig. S14. Habitus and genitalia of *Lepyrus capucinus*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, K: ventrites, © Christoph Germann.

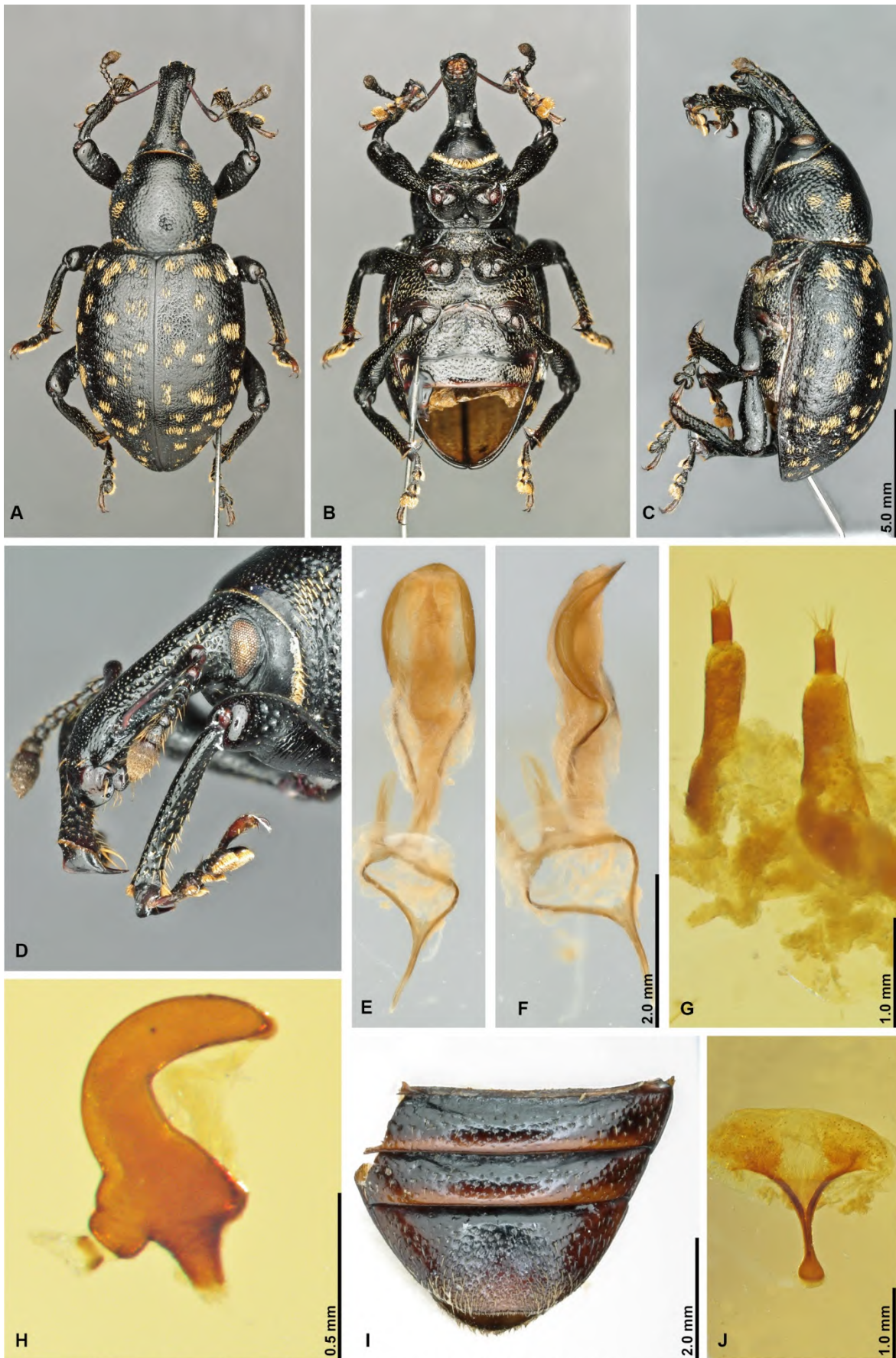


Fig. S15. Habitus and genitalia of *Liparus germanus*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-F: penis in dorsal and lateral view, G: gonocoxites, H: spermatheca, I: last three ventrites, J: female sternite VIII, © Christoph Germann.

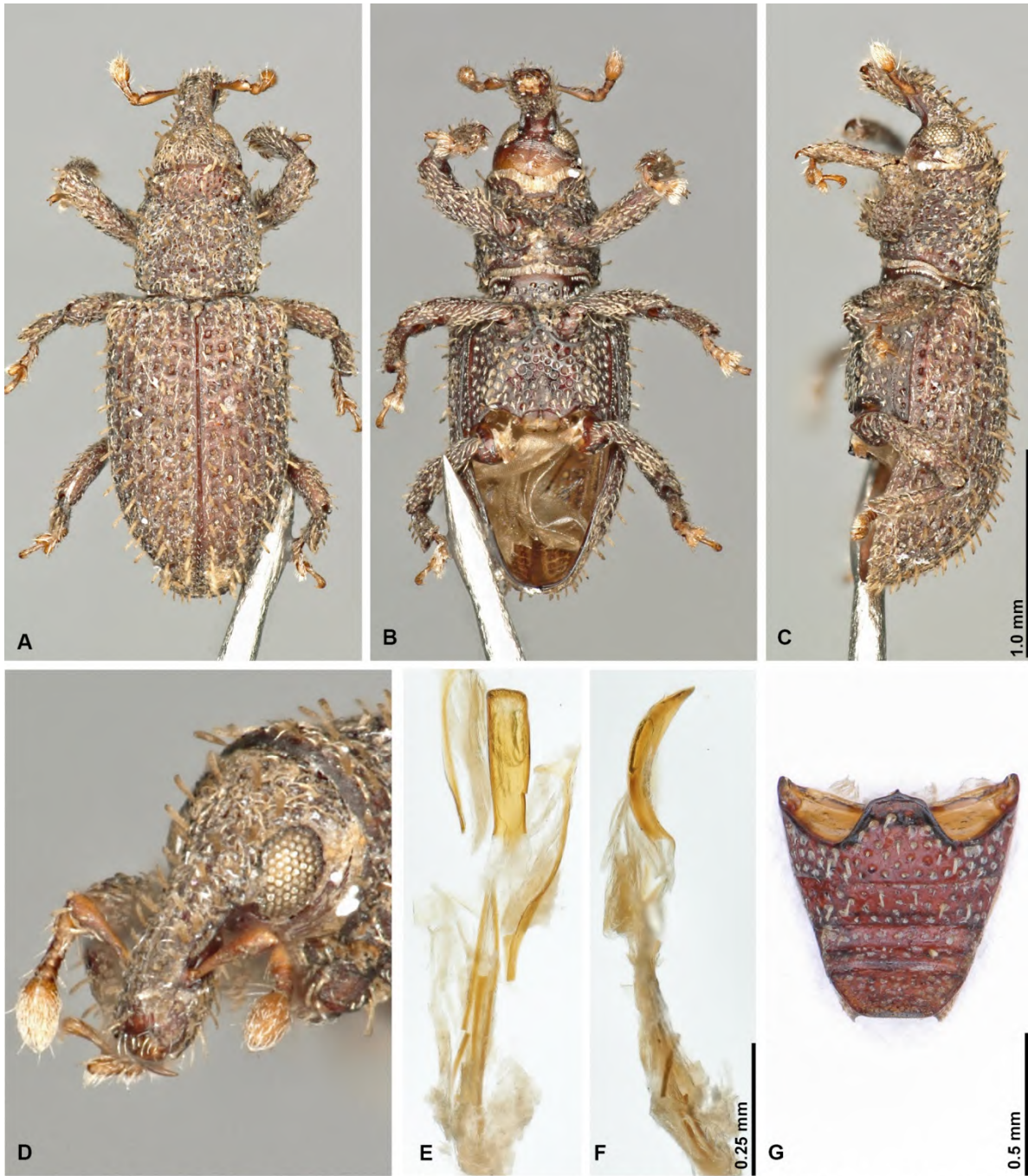


Fig. S16. Habitus and genitalia of a species in a genus near *Pseudohylobius*. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-F: penis in ventral and lateral view, G: ventrites, © Christoph Germann.

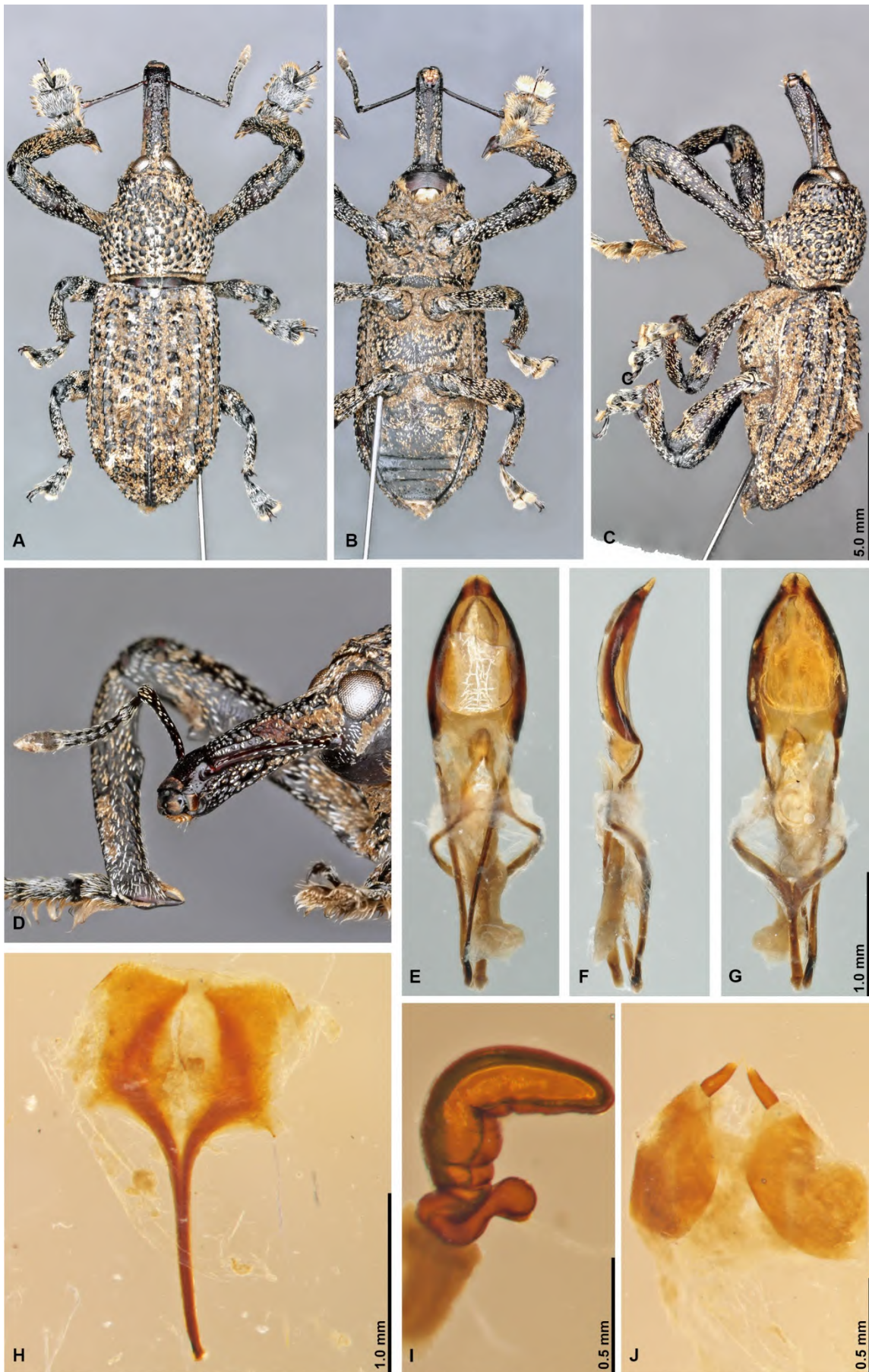


Fig. S17. Habitus and genitalia of *Orthorhinus* sp. A-C: habitus dorsal, ventral and lateral of male, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.

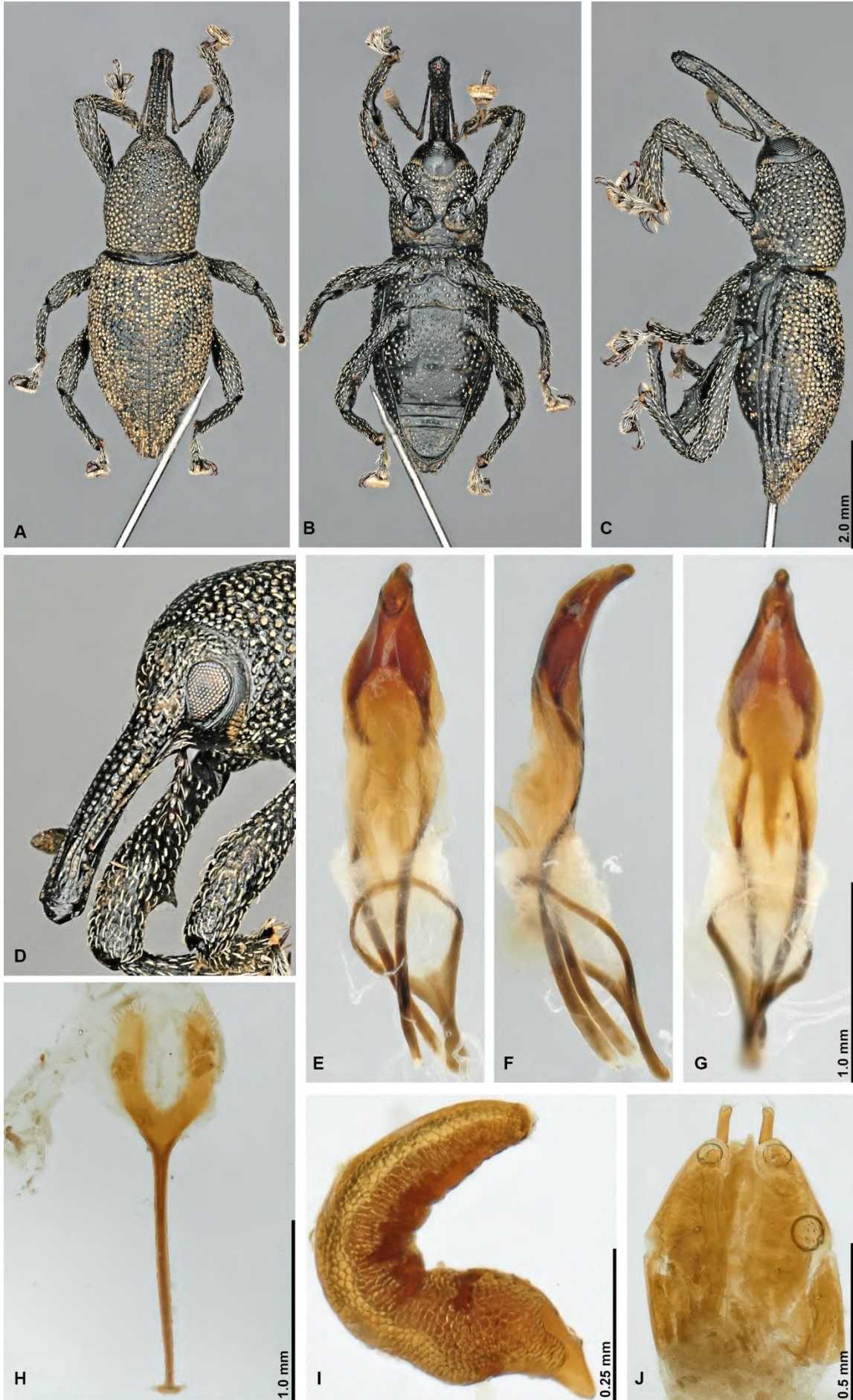


Fig. S18. Habitus and genitalia of *Pinacopus intermedius*. A-C: habitus dorsal, ventral and lateral of female, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.

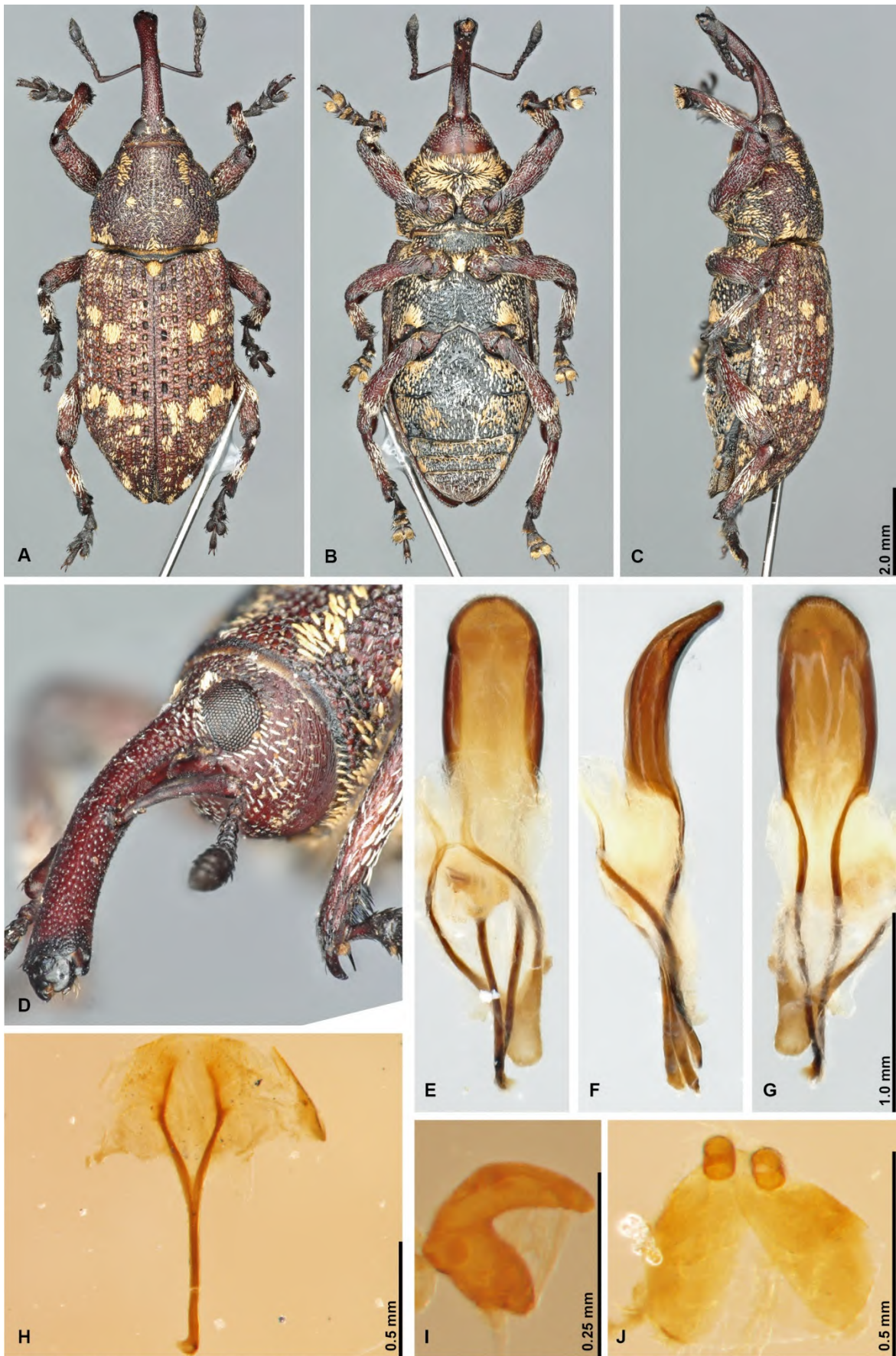


Fig. S19. Habitus and genitalia of *Pissodes pini*. A-C: habitus dorsal, ventral and lateral of female, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.

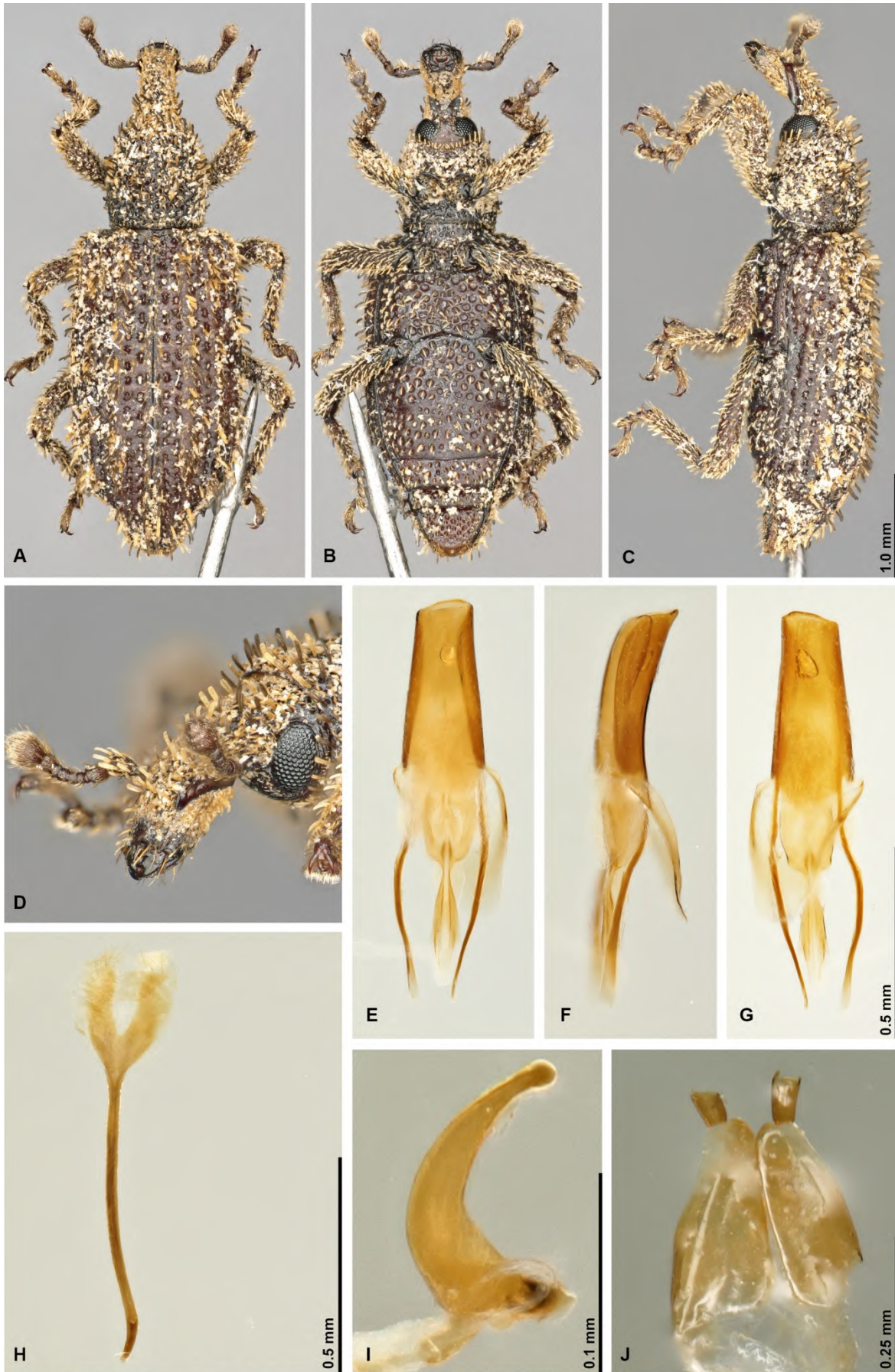


Fig. S20. Habitus and genitalia of *Pseudohylobius setosus*. A-C: habitus dorsal, ventral and lateral of female, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.

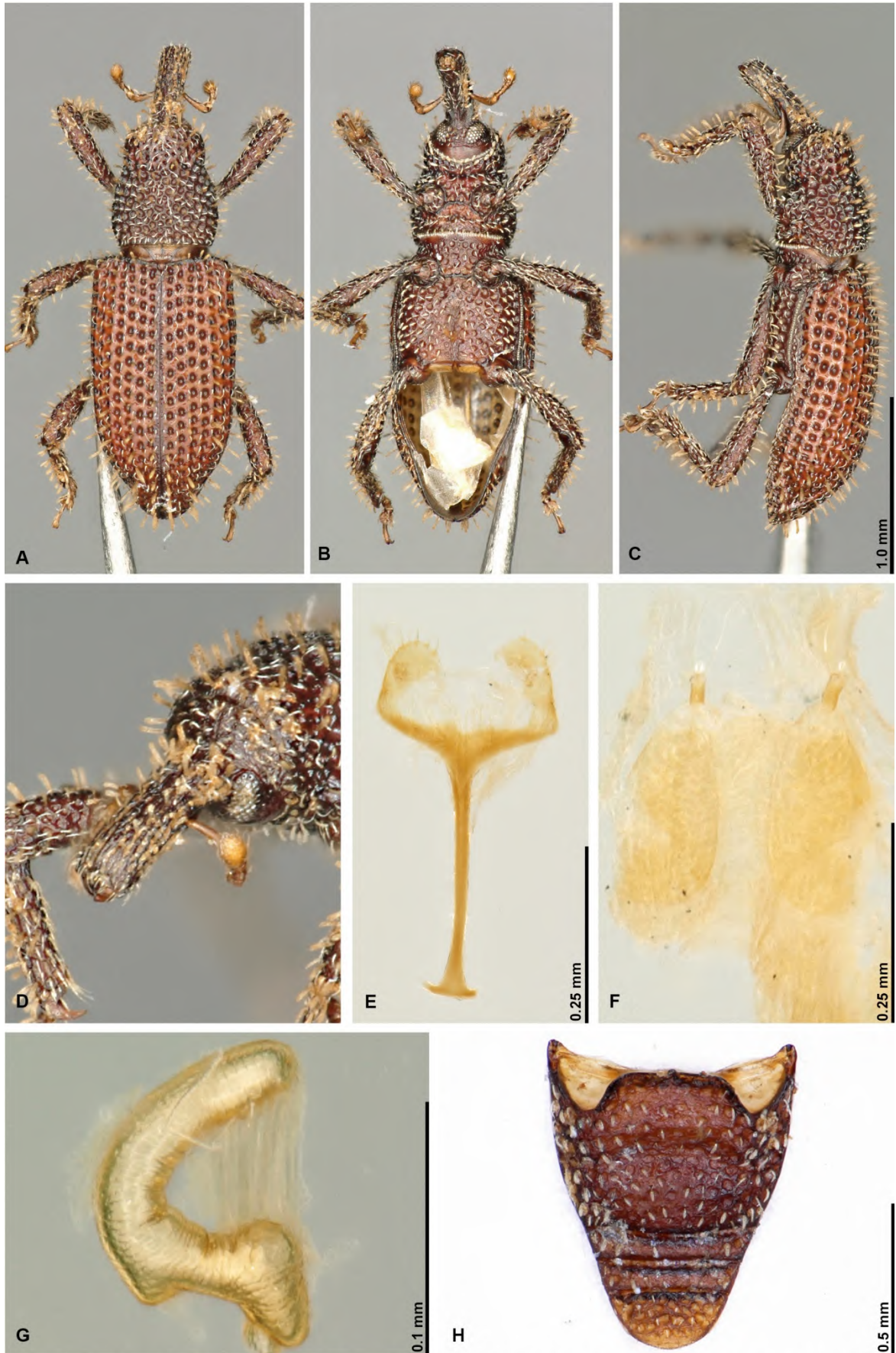


Fig. S21. Habitus and genitalia of *Seticotasteromimus* sp. A-C: habitus dorsal, ventral and lateral of female, D: dorso-lateral view on head and rostrum, E: female sternite VIII, F: gonocoxites, G: spermatheca, H: ventrites, © Christoph Germann.

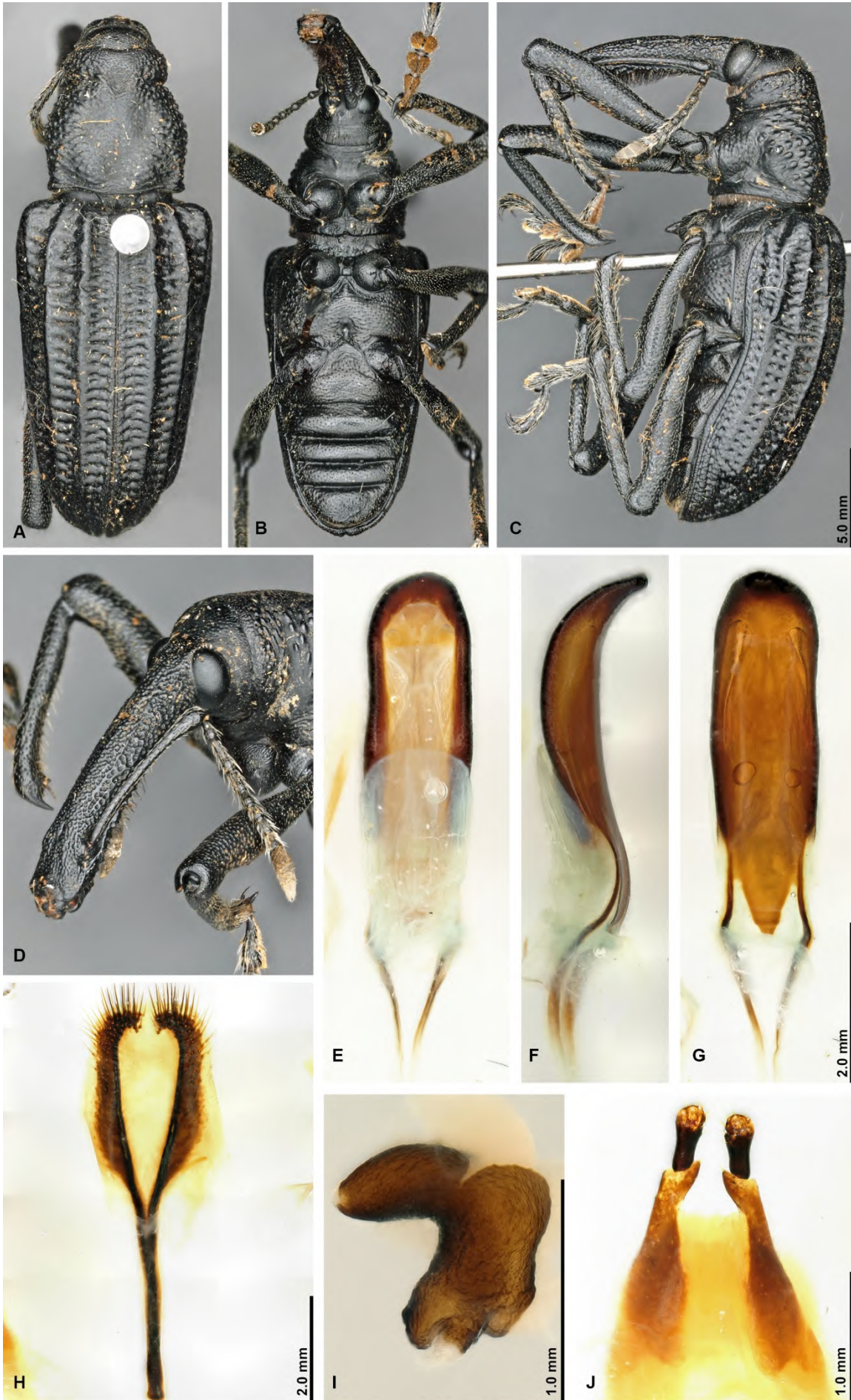


Fig. S22. Habitus and genitalia of *Vanapa oberthuri*. A-C: habitus dorsal, ventral and lateral of female, D: dorso-lateral view on head and rostrum, E-G: penis in dorsal, lateral and ventral view, H: female sternite VIII, I: spermatheca, J: gonocoxites, © Christoph Germann.