

Three Korean Species & Two new Species

Genus *Adota* Casey, 1910

Adota koreana Lee and Ahn, 2013
Adota magnipennis (Bernhauer, 1943)
Adota ushio (Sawada, 1971)

[Korea]
[Korea, Japan]
[Korea, Japan]



Adota namhae Lee and Ahn sp. nov.
Adota sinanensis Yoo and Ahn sp. nov.

[Korea]
[Korea]

A checklist of the genus *Adota* Casey

Genus *Adota* Casey, 1910

Adota colpophila Gusarov, 2003

Adota gnypetoides (Casey, 1910)

Adota koreana Lee and Ahn, 2013

Adota madida (Bernhauer, 1907)

Adota magnipennis (Bernhauer, 1943)

Adota maritima (Mannerheim, 1843)

Adota ushio (Sawada, 1971)

[Mexico]

[USA]

[Korea]

[Japan]

[Korea, Japan]

[Canada, USA, England]

[Korea, Japan]

Adota namhae Lee and Ahn sp. nov.

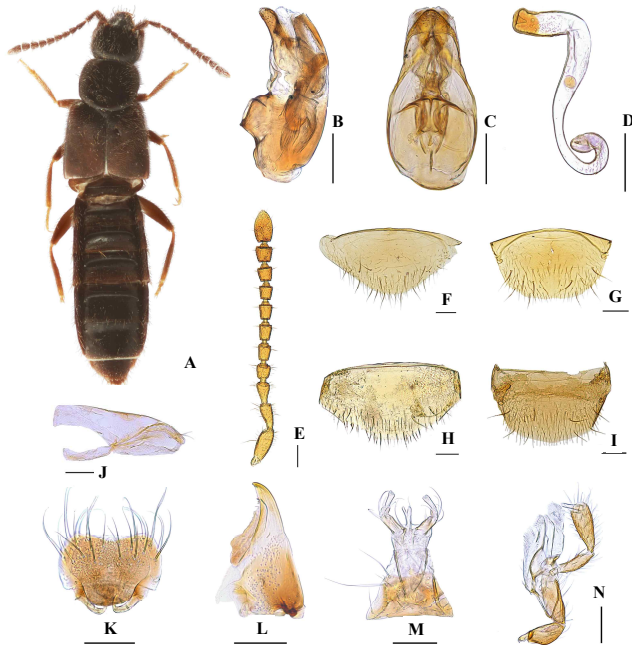


Fig. 1. *Adota namhae* new species. A) Habitus 3.1 mm; B) Median lobe, lateral aspect; C) Median lobe, ventral aspect; D) Spermatheca; E) Antenna; F) Male sternite VIII, ventral aspect; G) Male tergite VIII, dorsal aspect; H) Female sternite VIII, ventral aspect; I) Female tergite VIII, ventral aspect; J) Paramere, lateral aspect; K) Labrum, dorsal aspect; L) Mandible, ventral aspect; M) Labium, ventral aspect; N) Maxillia, ventral aspect. Scales = 0.1 mm.

Adota sinanensis Yoo and Ahn sp. nov.

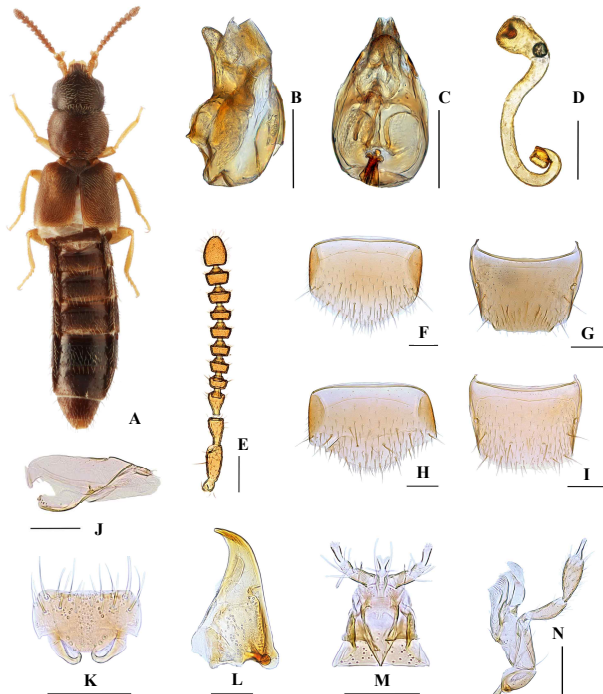


Fig. 2. *Adota sinanensis* new species. A) Habitus 2.3 mm; B) Median lobe, lateral aspect; C) Median lobe, ventral aspect; D) Spermatheca; E) Antenna; F) Male sternite VIII, ventral aspect; G) Male tergite VIII, dorsal aspect; H) Female sternite VIII, ventral aspect; I) Female tergite VIII, ventral aspect; J) Paramere, lateral aspect; K) Labrum, dorsal aspect; L) Mandible, ventral aspect; M) Labium, ventral aspect; N) Maxillia, ventral aspect. Scales = 0.1 mm.

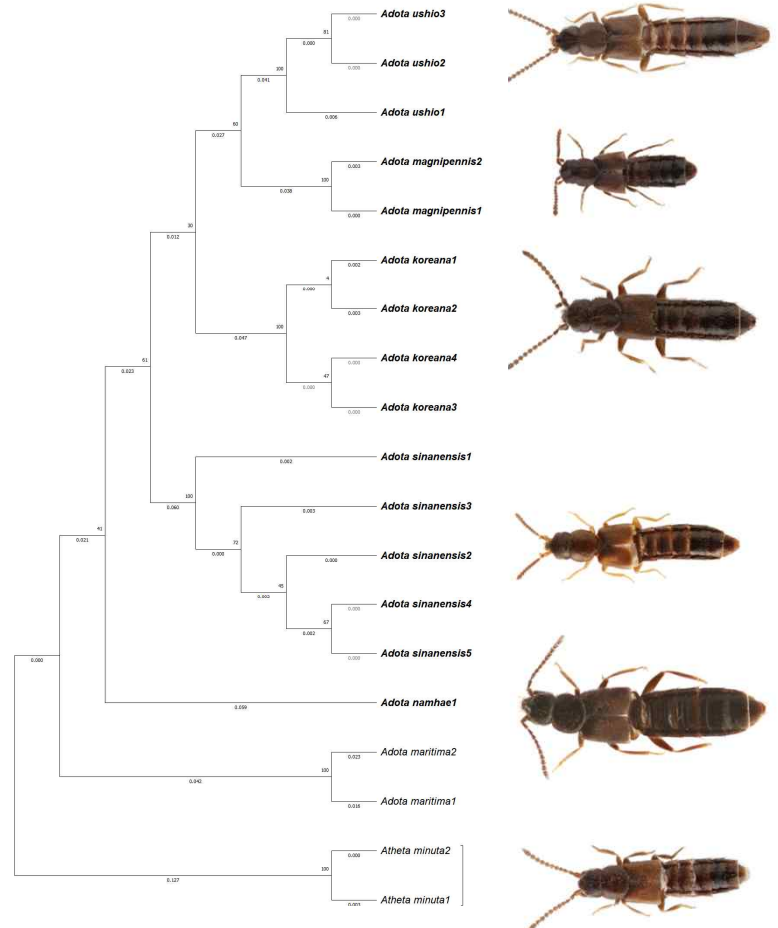


Fig. 3. Maximum likelihood tree of Korean *Adota* species based on partial *COI* gene sequences with bootstrap values.

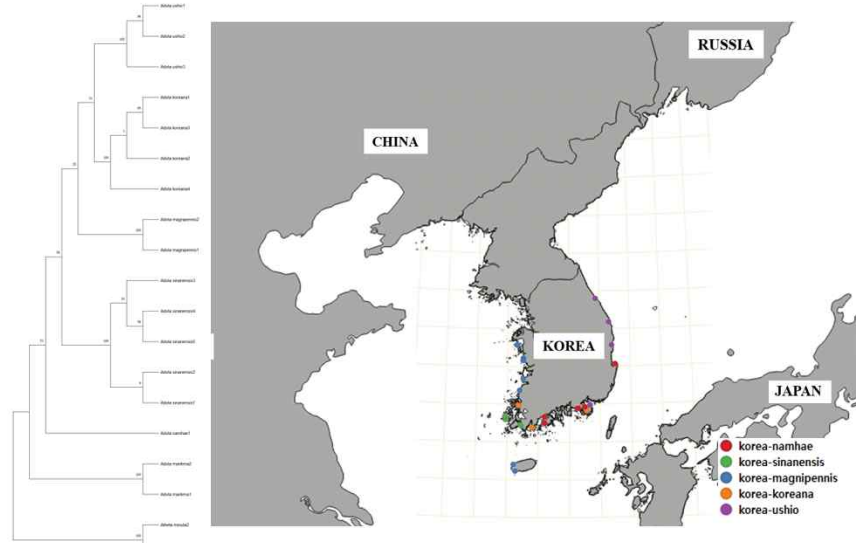


Fig. 4. Parsimony tree of Korean *Adota* based on partial *COI* gene sequences with bootstrap values.

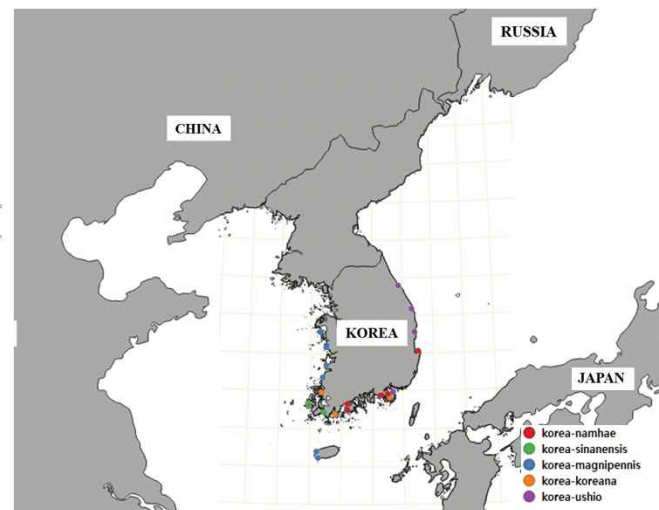


Fig. 5. Distributional map of five Korean *Adota* species. All specimens are deposited in the Chungnam National University Insect Collection (CNUIC), Daejeon, Korea.