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New *Dorcadion* (s. str.) Dalman, 1817 (Coleoptera: Cerambycidae) from Orenburg Region of Russia

Новый *Dorcadion* (s. str.) Dalman, 1817 (Coleoptera: Cerambycidae) из Оренбургской области России

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Ключевые слова: Coleoptera, Cerambycidae, *Dorcadion* s. str., новый подвид, Оренбургская область, Россия.

Abstract. *Dorcadion glicyrrhizae ishkarganum* **ssp. n.** close to *D. g. korshikovi* Danilevsky, 2006 is described from Orenburg Region of Russia. The new taxon is characterized by dark legs, totally black antennae and frons, moderately developed white dorsal pubescence. The differencial diagnosis, as well as color photos of specimens and a map of all known localities of *D. glicyrrhizae* (Pallas, 1773) in Orenburg region are supplied.

Резюме. *Dorcadion glicyrrhizae ishkarganum* **ssp. n.**, близкий к *D. g. korshikovi* Danilevsky, 2006, описан из Оренбургской области России. Новый таксон характеризуется темными ногами, полностью черными антеннами и лбом, умеренным развитием белого опушения на дорсальной стороне тела. Представлены: дифференциальный диагноз, цветные фотографии экземпляров, карта региона с обозначением всех известных локалитетов *D. glicyrrhizae* (Pallas, 1773).

The *Dorcadionini* fauna of Orenburg region is very rich. Totally 10 taxa are already known. Still careful recent investigation of the territory conducting by A. Shapovalov allows to discover new animals regularly.

Abbreviations of collections, used in the text:
ASh – collection of A. Shapovalov (Orenburg);
MD – author's collection (Moscow);
ZMM – collection of Zoological Museum of Moscow University.

Dorcadion (s. str.) *glicyrrhizae ishkarganum* **ssp. n.**
(Fig. 1–2)

Type locality (Fig. 9). Russia, south most area of Orenburg region, 9 km SE Troitzk, 2 km S Ivanovskoe, Ishkargan River Valley, 50°38'N / 54°42'E.

Body black with red femora and tibiae bases; sometimes all femora totally black; tibiae from totally red with a little darkened apices to totally black with reddish dorsal bases surfaces; head with a little widened central white stripe; frons never red; antennae in males reaching posterior elytral third, in females – elytral middle; always totally black, 1st joint considerably longer than 3rd, which is a little longer than 4th; thorax with moderately long lateral spines curved backwards; pronotum with relatively narrow central white stripe; elytra relatively elongated, oval or nearly parallel sided anteriorly, strongly tapering in posterior third; in males from 1.9 to 2.1 times longer than wide, in females from 1.6 to 1.8; humeral and external dorsal carinae strongly raised or moderately developed, partly obliterated; internal dorsal carinae usually indistinct or hardly pronounced anteriorly; humeral carinae always smooth; white elytral stripes usually moderately wide, internal dorsal stripe always absent, external stripe from about as wide as sutural stripe to much narrower, never complete, many times interrupted; humeral stripe moderately wide, about two times wider than sutural stripe; marginal stripe wide with irregular margin. All 4 known females are authochromal, with brown dark pubescence. Body length in males: 20–22 mm, width: 6.3–7.5 mm; body length in females: 18.5–22 mm, width: 6.8–9 mm.

Material. *D. g. ishkarganum* **ssp. n.** Holotype, ♂, Russia, Orenburg reg., Sol-Iletzk distr., Ishkargan river valley, 9 km SE Troitzk, 2 km S Ivanovskoe, Ishkargan River Valley, 50°38'N / 54°42'E, 120 m, 25–27.06.2007, A. Shapovalov leg. – MD. 43 paratypes with same label: 10♂, 2♀ – MD; 27♂, 2♀ – ASh; 2♂ – ZMM.

D. g. korshikovi. Holotype, ♂, Russia, Orenburg reg., Sol-Iletsk distr., Novoiletsk env., 51°01'N / 54°20'E, 90 m, 10.05.2005, M. Danilevsky leg. – MD. 45 paratypes from same locality: 20♂, 10♀ with same label – MD; 4♂, 1♀, 4–5.05.2001, L. Korshikov leg. – MD; 4♂, 6♀, 21–29.05.2003, A. Shapovalov leg. – MD; 5♂, 4♀, Russia, Orenburg reg., Sol-Iletsk distr., 20 km E Sol-Iletzk, 2 km E Pervomaiskoe, 50°57'N / 55°02'E, 220 m, 19–21.05.2007, A. Shapovalov leg. (new locality rather distant from the typical one, Fig. 5-6) – MD.-

D. g. striatum. 80♂ and 80♀ from Orenburg region of Russia: 10♂, 10♀, 37 km E Yarovoy, 51°46'N / 55°40'E, 7.05.2005, M. Danilevsky leg. – MD; 15♂, 8♀, Donguz river, Permomayskiy env., 51°34'N / 54°57'E, 4.05.2005, M. Danilevsky leg. – MD; 1♂, 1♀, Nezhinka env., 51°46'N / 55°21'E, 4.05.2002, A. Shapovalov leg. – MD; 17♂, 8♀, 50 km SSE Kuvandyk, Alimbet river, Aktykyl env., 51°02'N / 57°31'E, 9.05.2003, A. Shapovalov leg. – MD; 1♂, 1♀, Sakmara distr., Grebeni env., 10.05.2002, L. Korshikov leg. – MD; 4♂, 2♀, Dombarovsky distr., Korsunskiy, 51°00'N / 59°17'E, 30.05.2006, A. Shapovalov leg. – MD; 3♂, Svetlyj distr., Karakol lake, 8.06.2002, L. Korshikov leg. – MD; 1♂, 1♀, Belyaevka distr., 27 km E Mt. Verblyuzhka, 12.05.2003, A. Shapovalov leg. – MD; 17♂, 6♀, Sol-Iletsk distr., Shybyndy river, 10 km WWN Troitzk, 50°43'N / 54°28'E, 160 m, 13–14.05.2005, M. Danilevsky leg. – MD; 13♂, Sol-Iletsk distr., 2 km SW Troitzk, Akhmetova gully, 50°41'N / 54°31'E, 140 m, 13.05.2005, M. Danilevsky leg. – MD; 1♀, Sol-Iletsk distr., Troitzk env., 50°43'N / 54°31'E, 140 m, 13.05.2005, M. Danilevsky leg. – MD; 1♂, Gay distr., Beloshapka, 12 km W Novotroitzk,

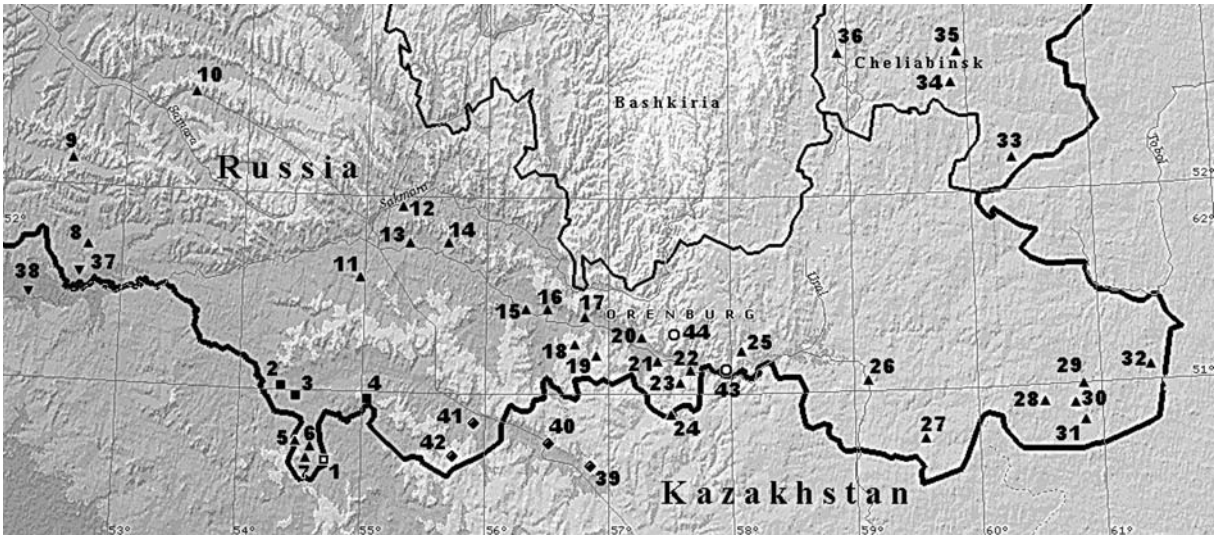

Fig. 9. Map of Orenburg region and adjacent areas with localities of *D. glicyrrhizae* (Pallas, 1773).
1 – type locality of *D. g. ishkarganum* **ssp. n.**: Ishkargan river valley, 50°38'N / 54°42'E;
2–4 – *D. g. korshikovi* Danilevsky, 2006: 2 – Novoiletsk env., 51°01'N / 54°20'E (type locality); 3 – Burannoe env.; 4 – 2 km E Pervomayskoe, 50°57'N / 55°02'E;
5–36 – *D. g. striatum* (Goeze, 1777): 5 – Shybyndy river, 50°43'N / 54°28'E; 6 – Troitzk env., 50°43'N / 54°31'E; 7 – 2 km SW Troitzk, Akhmetova gully, 50°41'N / 54°31'E; 8 – Trudovoe; 9 – Bogdanovka; 10(9) – Pervokrasnoe; 11 – Donguz river valley (locality of neotype); 12 – Grebeni; 13 – Nezhinka; 14 – Yarovoy; 15 – Dneprovka; 16 – Alabaytal; 17 – Mt. Verblyuzhka; 18 – Burtinskaya Steppe; 19 – Lugovskoy; 20 – Krasnoschekovo; 21 – Ural; 22 – Aytuar; 23 – Alimbet river valley; 24 – Kiya river; 25 – Beloshapka; 26 – Ashibutak; 27 – Korsunskiy; 28 – Zhandykol lake; 29 – Zhetykol lake; 30 – Karakol lake; 31 – Svetlyj; 32 – Batpakty lake; 33 – Nasledniskoe; 34 – Arkaim; 35 – Novinka; 36 – Kizilskoe;
37–38 – *D. g. nemkovi* Danilevsky, 2006: 37 – 7 km N Rannee (type locality); 38 – Yanvartzevo;
39–42 – *D. g. dubianskii* Jakovlev, 1906: 39 – Karatogay (type locality); 40 – Martuk; 41 – Akoba; 42 – 2km N Chagan.
43–44 – *D. g. guberlensis* Danilevsky, 2006: 43 – Guberlya env. (type locality), 51°08'N / 57°56'E; 44 – Kidryasovo.

Рис. 9. Карта Оренбургской области и участков соседних регионов с местами находок *D. glicyrrhizae* (Pallas, 1773).
1 – типовой локалитет *D. g. ishkarganum* **ssp. n.**: долина р. Ишкарган, 50°38'N / 54°42'E;
2–4 – *D. g. korshikovi* Danilevsky, 2006: 2 – окр. Новоилецка, 51°01'N / 54°20'E (типовой локалитет); 3 – Буранное; 4 – 2 км восточнее Первомайского, 50°57'N / 55°02'E;
5–36 – *D. g. striatum* (Goeze, 1777): 5 – долина р. Шыбынды, 50°43'N / 54°28'E; 6 – окр. Троицка, 50°43'N / 54°31'E; 7 – 2 км юго-западнее Троицка, Ахметова балка, 50°41'N / 54°31'E; 8 – Трудовое; 9 – Богдановка; 10(9) – Первокрасное; 11 – долина р. Донгуз (локалитет неотипа); 12 – Гребени; 13 – Нежинка; 14 – Яровой; 15 – Днепровка; 16 – Алабайтал; 17 – г. Верблюжка; 18 – Буртинская Степь; 19 – Луговской; 20 – Краснощеково; 21 – Урал; 22 – Айтуар; 23 – долина р. Алимбет; 24 – долина р. Кия; 25 – Белошапка; 26 – Ащибутак; 27 – Корсунский; 28 – оз. Жандыколь; 29 – оз. Жетыколь; 30 – оз. Караколь; 31 – Светлый; 32 – оз. Батпакты; 33 – Наследницкое; 34 – Аркаим; 35 – Новинка; 36 – Кизильское;
37–38 – *D. g. nemkovi* Danilevsky, 2006: 37 – 7 км севернее Раннего (типовой локалитет); 38 – Январцево;
39–42 – *D. g. dubianskii* Jakovlev, 1906: 39 – Каратогай (типовой локалитет); 40 – Мартук; 41 – Акоба; 42 – 2 км севернее Чагана;
43–44 – *D. g. guberlensis* Danilevsky, 2006: 43 – Губерля (типовой локалитет), 51°08'N / 57°56'E; 44 – Кидрясово.

1.06.2006, Yu. Lovtzova leg. – MD.

Remarks. The new subspecies looks close to *D. g. korshikovi* Danilevsky, 2006 (fig.5–6) because of small body, totally black antennae and frons, relatively dark legs, while in *D. g. striatum* (Goeze, 1777) legs are about totally red (only tarsi are usually darkened), antennae always with red 1st joint, or several basal joints red, or antennae totally red, frons also is often red. *D. g. korshikovi* is characterized by usually strong development of wide white hair stripes; while in *D. g. striatum* white stripes are very narrow, elytral dorsal stripes are sometimes disappeared; in *D. g. ishkarganum* **ssp. n.** white stripes are usually moderately wide; most of females in *D. g. korshikovi* are also authochromal, while in neighbor population of *D. g. striatum* females are mostly authochromal with black dark pubescence.

In fact *D. g. ishkarganum* **ssp. n.** is closer to the nearest populations of *D. g. striatum* (fig. 3–4), than to rather distant *D. g. korshikovi* because of partly red legs and relatively narrow dorsal elytral stripes. The distance between typical populations of *D. g. ishkarganum* **ssp. n.** and *D. g. striatum* is about 20 km only, and in between, in the environs of Troitzk a transitional forms are known with about same small size as in *D. g. ishkarganum* **ssp. n.**, but with strongly reduced white pubescence and usually red 1st antennal joint (sometimes darkened), sometimes red frons; legs are also a little darkened.

Most probably new subspecies was recorded for Troitzk environs as *Dorcadion g. glicyrrhizae* (Pallas, 1773) together with *D. g. striatum* by Esyunin et al. [2003].

The distribution of all forms of *D. glicyrrhizae* in Orenburg region (including *D. g. dubianskii* Jakovlev, 1906; *D. g. guberlensis* Danilevsky, 2006 and *D. g. nemkovi* Danilevsky, 2006) is shown in the map. Most of the localities were already published [Danilevsky, 2006; Shapovalov et al., 2008], others are recorded in internet [Shapovalov, 2009].

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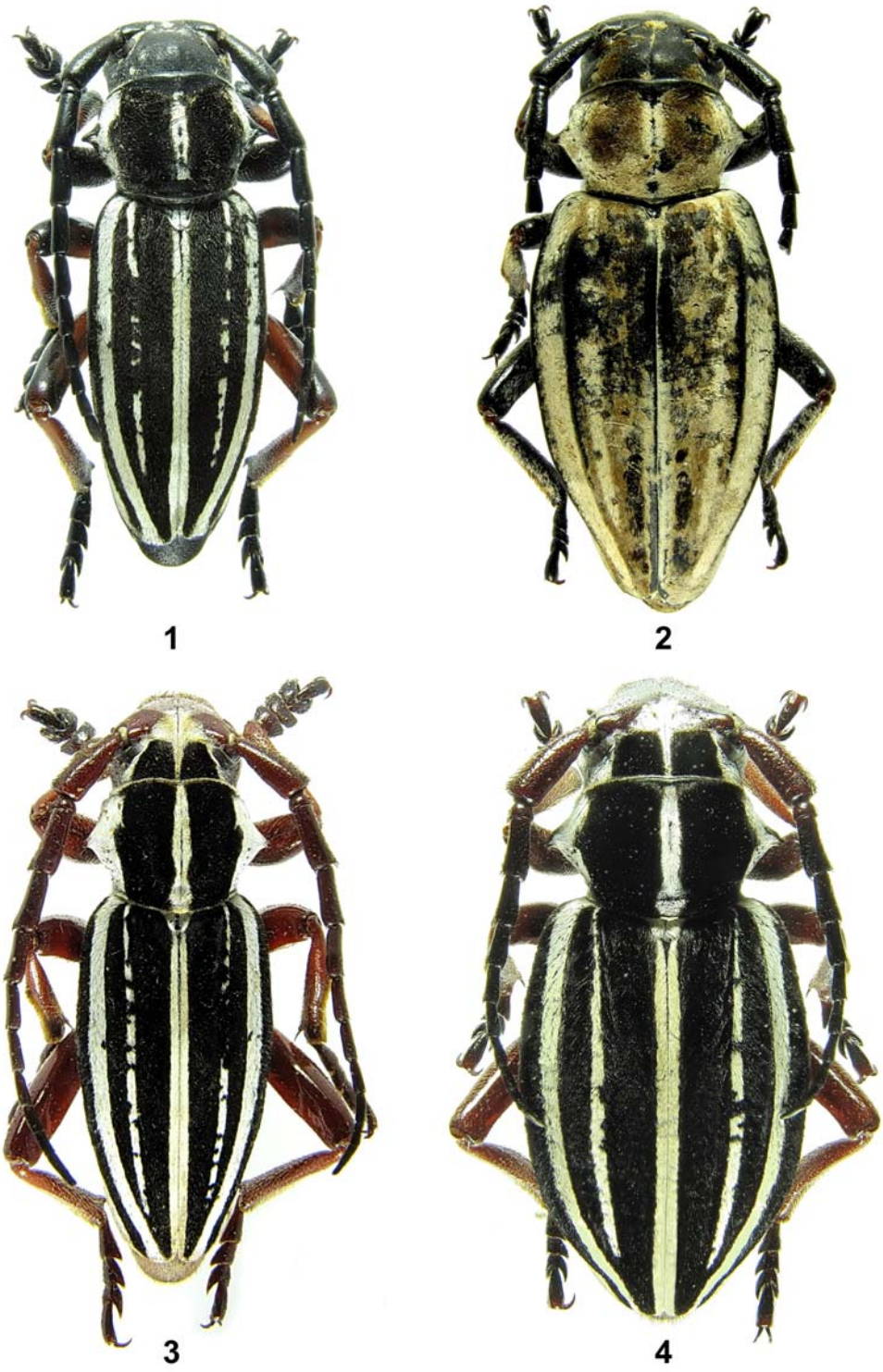

Fig. 1-2. *D. g. ishkarganum* **ssp. n.**
1 – male, holotype; 2 – female, paratype.
Рис. 1-2. *D. g. ishkarganum* **ssp. n.**
1 – самец, голотип; 2 – самка, паратип.
Fig. 3-4. *D. g. striatum* (Goeze, 1777).
3 – male from Shybyndy river valley; 4 – female from Shybyndy river valley.
Рис. 3-4. *D. g. striatum* (Goeze, 1777).
3 – самец из долины р. Шыбынды; 4 – самка из той же популяции.

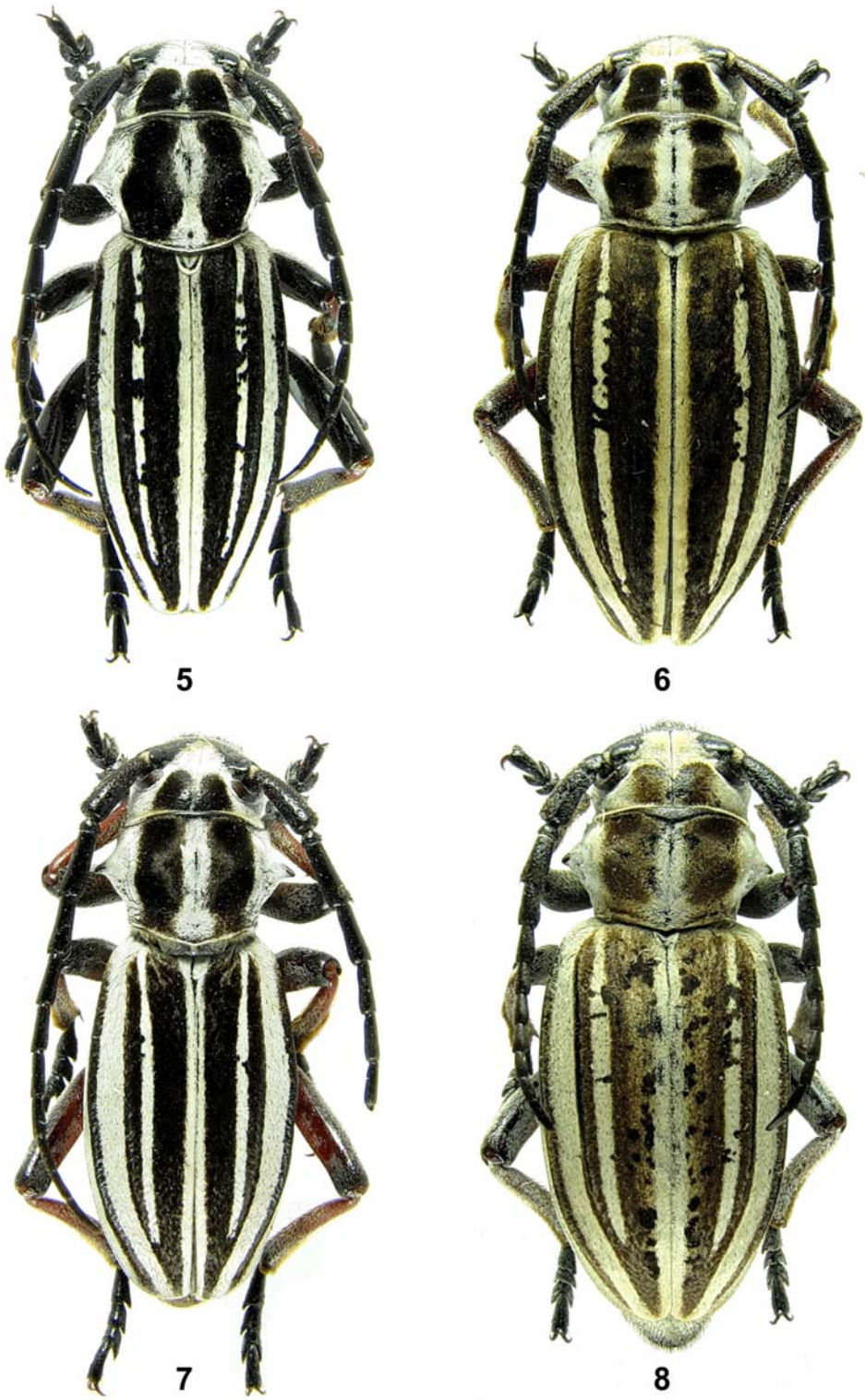

Fig. 5-8. *D. g. korshikovi* Danilevsky, 2006.
5 – male, holotype; 6 – female, paratype; 7 – male from near Pervomayskoe; 8 – female from near Pervomayskoe.
Рис. 5-8. *D. g. korshikovi* Danilevsky, 2006.
5 – самец, голотип; 6 – самка, паратип; 7 – самец из окрестностей Первомайского; 8 – самка из той же популяции.

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