A key to the females of Japanese tabanid flies with a checklist of all species and subspecies (Diptera, Tabanidae)

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Abstract: Key to the subfamilies, genera, species and subspecies of the female of Japanese tabanid flies is presented. One hundred and three species and subspecies are accepted as valid excluding two new synonyms.

The latest monograph of Tabanidae in Japan was published in 1969 by Murdoch and Takahasi. Since then, 39 new species and subspecies have been added to the fauna in Japan (Watanabe and Takahasi, 1971; etc.). Recently the author examined the type specimens in the collection of Dr. H. Takahasi's (Hayakawa, 1984), and find that

the following two species are new synonyms: *Hybomitra akiyamai* Murdoch and Takahasi, 1969 = *Hy. hirticeps* (Loew, 1858). *Tabanus tanbaensis* Murdoch and Takahasi, 1969 = *T. administrans* Schiner, 1868. As a result, 9 genera, 94 species and 9 subspecies should be accepted as valid in the taxonomy of Japanese tabanid flies.

Key to the subfamilies and genera

1. Antennal flagellum with less than 5 annulations 2
Antennal flagellum with 8 annulations Subfamily *Pangoniinae*...*Stonemyia*
2. Hind tibia with spurs Subfamily *Chrysopinae*... 3
Hind tibia without spurs Subfamily *Tabaninae*... 5
3. First segment of antennal flagellum cylindrical or plate-like 4
First segment of antennal flagellum ring-like *Nagatomyia*
4. Wing with cross-band *Chrysops*
Wing without cross-band *Silvius*
5. Wing clear or somewhat smoky 6
Wing brown with clear reticular designs *Haematopota*
6. Dorsal process of antennal flagellum short or vestigial 7
Dorsal process of antennal flagellum very long, almost reaching the base of annulated portions *Isshikia*
7. Ocellar tubercle absent; eyes not hairy 8
Ocellar tubercle present; eyes usually hairy *Hybomitra*
8. Head normal; eyes blackish when dried, greenish in life; frontal callus large 9
Head large; eyes ochre-yellow; frontal callus very small or absent *Atylotus*

* 早川博文: 農林水産省 北海道 農業試験場 畑作部
(〒082 北海道河西郡芽室町新生)

9. Dorsal process of antennal flagellum distinctly projected *Tabanus*
 Dorsal process of antennal flagellum slightly projected or vestigial *Hirosia*

Key to the species and subspecies (female)

Genus *Stonemyia* Brennan, 1935

St. yezoensis and *St. enokizonoi*; but the latter is known only by male.

Genus *Nagatomyia* Murdoch and Takahasi, 1961

N. melanica only.

Genus *Silvius* Meigen, 1820

1. Frontal callus very large 2
 Frontal callus absent or vestigial *Si. formosensis*
2. Upper side callus of genae absent 3
 Upper side callus of genae present 4
3. Wing clear; abdomen yellowish orange *Si. matsumurai*
 Wing brown; abdomen yellowish brown *Si. shirakii*
4. Frontal callus very large, almost reaching eye-margins *Si. dorsalis*
 Frontal callus rather small, not reaching eye-margins *Si. oshimaensis*

Genus *Chrysops* Meigen, 1800

1. Thorax and abdomen entirely black 2
 Thorax and abdomen with markings 3
2. Wing with an apical marginal stripe *C. japonicus*
 Wing without an apical marginal stripe *C. yamaguchii*
3. Abdominal terga 2 to 4 with 4 blackish vertical stripes 4
 Abdominal terga 2 to 4 without 4 blackish vertical stripes 10
4. Sublateral stripes on abdominal tergum 2 broader at base 5
 Sublateral stripes on abdominal tergum 2 narrower at base 7
5. Thorax and abdomen almost concolorous, yellow 6
 Thorax and abdomen not concolorous; abdomen distinctly yellowish orange
 C. vanderwulpi tanensis
6. Stripes on abdominal tergum 2 very broad; submedian and sublateral stripes almost
 connecting at base *C. vanderwulpi kitaensis*
 Stripes on abdominal tergum 2 rather narrow; submedian and sublateral stripes
 separating at base *C. vanderwulpi saikaiensis*
7. Thorax and abdomen yellow or yellowish orange, with distinct black stripes 8
 Thorax and abdomen yellowish brown, with somewhat indistinct black stripes
 C. vanderwulpi sakishimaensis
8. Thorax and abdomen concolorous, yellow 9
 Thorax and abdomen not concolorous; abdomen distinctly yellowish orange
 C. vanderwulpi nanbuensis
9. Submedian stripes on abdominal tergum 2 bending sideways at the end
 C. vanderwulpi yamatoensis
 Submedian stripes on abdominal tergum 2 bending innerways at the end
 C. vanderwulpi stonei
10. Black markings on abdominal tergum 2 about reversed V-figure 11
 Black markings on abdominal tergum 2 about spot or elongate-shaped 12
11. Markings on abdominal tergum 2 long, extending to sublateral parts *C. nigripes*

- Markings on abdominal tergum 2 rather short, only extending to submedian parts *C. makerowi*
12. Marking on abdominal tergum 2 large, reaching posterior margin 13
 Markings on abdominal tergum 2 small, spot-like, separating from posterior margin *C. dissectus*
13. Marking on abdominal tergum 2 longitudinal *C. suavis*
 Markings on abdominal tergum 2 horizontal *C. basalis*

Genus *Hybomitra* Enderlein, 1922

1. Abdomen with distinct markings 2
 Abdomen without distinct markings, almost black *Hy. stigmatoptera fujii*
2. Markings on abdomen longitudinally rowed 3
 Markings on abdomen horizontally striped, black and golden *Hy. tarandina*
3. Markings on abdomen white or greyish white 4
 Markings on abdomen yellowish orange or reddish brown 7
4. Sublateral markings on abdomen round or oblique-rectangular 5
 Sublateral markings on abdomen about triangular 6
5. Palpus narrow, brown *Hy. borealis*
 Palpus broad, light yellow *Hy. tsushimaensis*
6. Subcallus nude, black *Hy. hirticeps*
 Subcallus pollinose, light brown *Hy. harai*
7. Sublateral markings on abdomen large; markings on terga 1 to 3 especially large, connecting each other 8
 Sublateral markings on abdomen rather small; markings on terga 1 to 3 not especially large, disconnecting each other 9
8. Middle callus linear *Hy. distinguenda*
 Middle callus fusiform *Hy. brevis*
9. Sublateral markings on abdomen about the same size on each segment 10
 Sublateral markings on abdomen especially large in tergum 2 *Hy. jersey*
10. Middle callus short, not exceeding half of frons 11
 Middle callus long, exceeding half of frons *Hy. takahasii*
11. Middle callus separating from basal callus 12
 Middle callus connecting to basal callus *Hy. ussuriensis*
12. Antennal flagellum almost black entirely 13
 Antennal flagellum black only at style *Hy. ishiharai*
13. Sublateral markings on abdomen distinct, orange *Hy. montana*
 Sublateral markings on abdomen indistinct, orange brown *Hy. olsoi*

Genus *Atylotus* Osten Sacken, 1876

1. Frontal callus absent or vestigial; frons rather broad 2
 Frontal callus present; frons narrow 4
2. Median stripe on abdomen indistinct, brownish 3
 Median stripe on abdomen distinct, golden *A. suzuki*
3. Femur orange or yellowish orange *A. angusticornis*
 Femur greyish dark brown *A. sawadai*
4. Markings on abdomen indistinct 5
 Marking on abdomen distinct 7
5. Abdomen yellowish brown; middle callus present 6

- Abdomen greyish black with yellowish tint; middle callus absent ... *A. aethereus sibiricus*
6. Appendix on wing vein R_4 long *A. kakeromaensis*
 Appendix on wing vein R_4 very short *A. takaraensis*
7. Median stripe on abdomen yellowish grey or black, darker than other parts 8
 Median stripe on abdomen yellow, brighter than other parts *A. keegani*
8. Median stripe on abdomen as wide as on each tergum 9
 Median stripe on abdomen narrowest on tergum 2 *A. horvathi*
9. Lateral or sublateral markings on abdomen rather small, present on terga 1 to 6 10
 Lateral markings on abdomen large, present on terga 1 to 3 *A. hasegawai*
10. Sublateral markings on abdomen rather indistinct, yellow or greyish yellow
 A. bivittateinus
 Sublateral markings distinct, creamy white *A. ozensis*

Genus *Hirosia* Hayakawa, 1983

1. Scutellum white or yellowish white, not concolorous with scutum 2
 Scutellum yellow or blackish, concolorous with scutum 3
2. Whitish band on abdomen largest on tergum 3 *Hi. iyoensis*
 Whitish or yellowish white band on abdomen largest on tergum 2 *Hi. humilis*
3. Thorax and abdomen almost brown to black 4
 Thorax and abdomen entirely yellow *Hi. sapporoensis*
4. Subcallus pollinose 5
 Subcallus nude *Hi. amamiensis*
5. Tibia dark brown to black 6
 Tibia white to greyish white *Hi. hyugaensis*
6. Middle callus very large 7
 Middle callus very small *Hi. kotoshoensis*
7. Basal callus about rectangular 8
 Basal callus about round or semi-circular *Hi. otsurui*
8. Middle callus connecting broadly to basal callus *Hi. daishojii*
 Middle callus connecting linearly to basal callus *Hi. masamitsui*

Genus *Tabanus* Linné, 1758

1. Wing vein R_5 and M_1 closed or slightly open 2
 Wing vein R_5 and M_1 widely open 7
2. Median and sublateral markings on abdomen present 3
 Median and sublateral markings on abdomen absent *T. yoneyamai*
3. Sublateral markings on abdomen present on terga 1 to 6 4
 Sublateral markings on abdomen present only on terga 2 and 3 *T. trigeminus*
4. Antennal flagellum brown to orange yellow; abdomen olive with light olive markings ... 5
 Antennal flagellum almost black; abdomen black with whitish markings
 T. takasagoensis
5. Sublateral markings on abdomen elongate-triangular 6
 Sublateral markings on abdomen oblique-rectangular *T. pallidiventris*
6. Middle callus rather short *T. nipponicus*
 Middle callus rather long, extending half of frons *T. taiwanus*
7. Middle callus spindle-shaped, slightly separating from middle callus 8
 Middle callus not spindle-shaped, connecting to basal callus 9
8. Lateral markings on abdomen present on tergum 2, light yellowish brown

.....	<i>T. fulvimediodides</i>
Lateral markings on abdomen absent; abdomen light yellowish brown basally	
.....	<i>T. fulvilineus</i>
9. Middle callus clearly distinguishable from basal callus	10
Middle callus undistinguishable from basal callus	14
10. Median markings on abdomen about triangular	11
Median markings on abdomen about rectangular	<i>T. ryukyuensis</i>
11. Middle callus about the same size as basal callus	12
Middle callus much smaller than basal callus	<i>T. toshiokai</i>
12. Sublateral markings on abdomen oblique-elongate or round	13
Sublateral markings on abdomen indistinct	<i>T. monomiensis</i>
13. Subcallus nude	<i>T. kinoshitai</i>
Subcallus pollinose	<i>T. matsumotoensis</i>
14. Appendix on wing vein R_4 present	15
Appendix on wing vein R_4 absent or vestigial	25
15. Middle callus very long, exceeding half of frons	16
Middle callus short, not exceeding half of frons	<i>T. maedai</i>
16. Sublateral markings on abdomen absent	17
Sublateral markings on abdomen present on terga 2 and 3, elongate-triangular	
.....	<i>T. coquilletti</i>
17. Subcallus light brown to yellowish brown, concolorous with frons	18
Subcallus white, not concolorous with frons	<i>T. trigonus</i>
18. Dorsal process of antennal flagellum well projected	19
Dorsal process of antennal flagellum not well projected	20
19. Abdomen reddish brown; median and posterior-marginal markings yellowish brown	
.....	<i>T. matsuzawai</i>
Abdomen greyish brown; median and posterior-marginal markings greyish white ..	
.....	<i>T. inaensis</i>
20. Abdomen reddish brown to brown; median markings clear	21
Abdomen greyish brown; median markings indistinct	<i>T. shikokuensis</i>
21. Posterior-marginal markings on abdomen rather broad	22
Posterior-marginal markings on abdomen absent or very narrow	24
22. Middle callus connecting linearly to basal callus	23
Middle callus connecting broadly to basal callus	<i>T. tokaraensis</i>
23. Antennal flagellum reddish brown at base; wing hyaline	<i>T. rufidens</i>
Antennal flagellum entirely black; wing light brown	<i>T. yaeyamaensis</i>
24. Middle callus connecting linearly to basal callus; hairs on venter of thorax black	
.....	<i>T. okinawanus</i>
Middle callus connecting broadly to basal callus; hairs on venter of thorax yellowish brown	<i>T. tokunoshimaensis</i>
25. Dorsal process of antennal flagellum well projected	26
Dorsal process of antennal flagellum not well projected	29
26. Antennal flagellum yellowish orange at base	27
Antennal flagellum entirely black	<i>T. sapporoensis</i>
27. Median triangular markings on abdomen absent or indistinct	28
Median triangular markings on abdomen clearly present	<i>T. katoi</i>

28. Antennal flagellum entirely yellowish orange *T. chrysurus*
 Antennal flagellum blackish brown at style *T. chrysurus*
 29. Middle callus long, exceeding half of frons 30
 Middle callus short, not exceeding half of frons *T. sasai*
 30. Abdominal terga 2 and 3 with median markings 31
 Abdominal terga 2 and 3 without median markings *T. miyajima*
 31. Middle callus very broad 32
 Middle callus linear; abdomen golden olive *T. kanoi*
 32. Sublateral markings on abdomen present, elongate-triangular; wing hyaline
 T. administrans
 Sublateral markings on abdomen absent; wing distinctly brown *T. yanbaruensis*

Genus *Isshikia* Shiraki, 1918

- Abdomen dark brown to black; posterior-marginal markings greyish white *I. yajimai*
 Abdomen yellowish brown, especially at terga 1 to 3; posterior-marginal markings
 light yellow *I. japonica*

Genus *Haematopota* Meigen, 1803

1. Frons as broad as or narrower than the height 2
 Frons much broader than the height *Ha. tamerlani*
 2. Basal segment of antennal flagellum very narrow, more than 2.5 times as long as the
 width 3
 Basal segment of antennal flagellum very broad, about twice as long as the width
 Ha. antennata
 3. Antennal scape without a dorsal excision 4
 Antennal scape with a dorsal excision at apex *Ha. tristis*
 4. Frontal callus not divided at upper point 5
 Frontal callus divided at upper point *Ha. nagashimai*
 5. Frontal callus about chestnut-shaped; side spot on frons rather simple 6
 Frontal callus about rectangular; side spot on frons complicated *Ha. shinonagai*
 6. Side spot on frons about square or round 7
 Side spot on frons elongate-oval with a little hollow on top *Ha. kouzuensis*
 7. Side spot on frons about square 8
 Side spot on frons about round 9
 8. White spots present around appendix of wing vein R_4 *Ha. hakusanensis*
 White spots absent around appendix of wing vein R_4 *Ha. toyamaensis*
 9. Scutellum brown to brownish black 10
 Scutellum greyish white *Ha. rufipennis*
 10. Apical spot not crossing wing vein R_{2+3} 11
 Apical spot crossing wing vein R_{2+3} *Ha. nasuensis*
 11. White spots on wing rather large *Ha. hikosanensis*
 White spots on wing very small *Ha. surugaensis*

Checklist of tabanid species and subspecies in Japan†

1. *Stonemyia yezoensis* (Shiraki, 1918) マルガタアブ “Hokkaido, Honshu, Shikoku, Kyushu, Amami Islands”
 2. *St. enokizonoi* (Ouchi, 1940) エノキゾノアブ “Yaku Island”

† Localities are shown in parenthesis.

3. *Nagatomyia melanica* Murdoch and Takahasi, 1961 ムカシアブ “Honshu, Kyushu, Amami Islands”
4. *Silvius dorsalis* Coquillett, 1898 ヒメアブ “Hokkaido, Honshu, Kyushu”
5. *Si. oshimaensis* Hayakawa, Takahasi and Suzuki, 1982 オオシマヒメアブ “Amami Islands”
6. *Si. matsumurai* Kono and Takahasi, 1939 マツムラヒメアブ “Hokkaido, Honshu, Shikoku”
7. *Si. shirakii* Philip and Mackerras, 1959 シラキヒメアブ “Nansei Islands”
8. *Si. formosensis* Ricardo, 1913 タイワンヒメアブ “Honshu, Shikoku, Nansei Islands”
9. *Chrysops japonicus* Wiedemann, 1828 クロメクラアブ “Hokkaido, Honshu, Shikoku, Kyushu”
10. *C. yamaguchii* Shimizu and Takahasi, 1975 ヤマガチメクラアブ “Honshu”
11. *C. nigripes* Zetterstedt, 1840 ヒメカラフトメクラアブ “Hokkaido”
12. *C. makerowi* Pleske, 1910 カラフトメクラアブ “Hokkaido”
13. *C. dissectus* Loew, 1858 マンシュウメクラアブ “Honshu, Kyushu”
14. *C. suavis* Loew, 1858 メクラアブ “Hokkaido, Honshu, Shikoku, Kyushu”
15. *C. basalis* Shiraki, 1918 キゴシメクラアブ “Hokkaido, Honshu”
16. *C. vanderwulpi sakishimaensis* Hayakawa, 1983 サキシマヨスジメクラアブ “Sakaishima Islands”
17. *C. vanderwulpi nanbuensis* Hayakawa, 1983 ホソヨスジメクラアブ “Honshu”
18. *C. vanderwulpi yamatoensis* Hayakawa, 1983 ヨスジメクラアブ “Hokkaido, Honshu, Shikoku, Kyushu”
19. *C. vanderwulpi stonei* Pechuman, 1977 オシマヨスジメクラアブ “Hokkaido”
20. *C. vanderwulpi tanensis* Hayakawa, 1983 タネヨスジメクラアブ “Tanegashima Island”
21. *C. vanderwulpi kitaensis* Hayakawa, 1983 キタヨスジメクラアブ “Hokkaido”
22. *C. vanderwulpi saikaiensis* Hayakawa, 1983 サイカイヨスジメクラアブ “Kyushu”
23. *Hybomitra stigmoptera fujii* Murdoch and Takahasi, 1969 ニッポンクロアブ “Honshu”
24. *Hy. tarandina* (Linné, 1761) カラフトアカアブ “Hokkaido, Honshu”
25. *Hy. hirticeps* (Loew, 1858) マルヒゲアブ “Honshu”
Hy. akiyamai Murdoch and Takahasi, 1969, **n. syn.**
26. *Hy. harai* Hayakawa and Takahasi, 1976 ハラキボシアブ “Honshu”
27. *Hy. brevis* (Loew, 1858) ヒゲクロアブ “Honshu”
28. *Hy. distinguenda* (Verrall, 1909) キバラアブ “Hokkaido, Honshu”
29. *Hy. jersey* (Takahasi, 1950) ジャーシーアブ “Honshu”
30. *Hy. takahasii* Inaoka and Hayakawa, 1982 タカハシキボシアブ “Hokkaido”
31. *Hy. ussuriensis* (Olsoufieff, 1937) ウスリーキボシアブ “Hokkaido”
32. *Hy. ishiharai* (Takahasi, 1950) イシハラアブ “Honshu, Kyushu”
33. *Hy. tsushimaensis* Hayakawa, Yoneyama and Inaoka ツシマキボシアブ “Tsushima Islands”
34. *Hy. borealis* (Fabricius, 1981) コムラアブ “Hokkaido”
35. *Hy. montana* (Meigen, 1820) キボシアブ “Hokkaido, Honshu”
36. *Hy. olsoi* Takahasi, 1962 ホソヒゲキボシアブ “Hokkaido”
37. *Atylotus suzukii* Hayakawa, 1978 スズキキイロアブ “Shikoku, Kyushu”
38. *A. angusticornis* (Loew, 1858) オキナワキイロアブ “Ryukyu Islands”
39. *A. sawadai* Watanabe and Takahasi, 1971 サワダキイロアブ “Amami Islands”
40. *A. keegani* Murdoch and Takahasi, 1969 キーガンキイロアブ “Ryukyu Islands”

41. *A. aethereus sibiricus* (Olsoufieff, 1936) シベリアキイロアブ “Hokkaido”
42. *A. kakeromaensis* Hayakawa, Takahasi and Suzuki, 1982 カケロマキイロアブ “Amami Islands”
43. *A. takaraensis* Hayakawa and Takahasi, 1983 タカラキイロアブ “Tokara Islands”
44. *A. horvathi* (Szilady, 1926) ホルバートアブ “Hokkaido, Honshu, Shikoku, Kyushu”
45. *A. hasegawai* Hayakawa, 1978 ハセガワキイロアブ “Honshu”
46. *A. bivittateinus* Takahasi, 1962 フタスジアブ “Hokkaido, Honshu, Shikoku, Kyushu”
47. *A. ozensis* Hayakawa, 1983 オゼキイロアブ “Honshu”
48. *Hirosia sapporoensis* (Shiraki, 1918) キンイロアブ “Hokkaido, Honshu, Kyushu”
49. *Hi. amamiensis* (Hayakawa, Suzuki and Nagashima, 1981) アマミクロアブ “Amami Islands”
50. *Hi. hyugaensis* (Hayakawa, 1977) ヒュウガクロアブ “Honshu, Kyushu”
51. *Hi. iyoensis* (Shiraki, 1918) イヨシロオビアブ “Hokkaido, Honshu, Shikoku, Kyushu”
52. *Hi. humilis* (Coquillett, 1898) アオコアブ “Honshu”
53. *Hi. kotoshoensis* (Shiraki, 1918) チビアブ “Yaeyama Islands”
54. *Hi. otsurui* (Ogawa, 1960) オオツルアブ “Honshu”
55. *Hi. daishojii* (Murdoch and Takahasi, 1969) ダイショウジアブ “Honshu”
56. *Hi. masamitsui* (Hayakawa, 1976) マサミツアブ “Okinawa Island”
57. *Tabanus chrysurus* Shiraki, 1918 アカウシアブ “Hokkaido, Honshu, Shikoku, Kyushu”
58. *T. chrysurus* (Enderlein, 1925) ニセアカウシアブ “Honshu, Shikoku, Kyushu”
59. *T. sapporoensis* Shiraki, 1918 アカアブ “Hokkaido, Honshu”
60. *T. katoi* Kono and Takahasi, 1940 カトウアカアブ “Hokkaido, Honshu”
61. *T. yoneyamai* Hayakawa, 1984 ヨネヤマアブ “Honshu”
62. *T. trigeminus* Coquillett, 1898 シロフアブ “Hokkaido, Honshu, Shikoku, Kyushu”
63. *T. takasagoensis* Shiraki, 1918 ギシロフアブ “Hokkaido, Honshu, Shikoku, Kyushu, Amami Islands”
64. *T. pallidiventrus* Olsoufieff, 1937 マンシュウシロフアブ “Hokkaido, Honshu, Shikoku, Kyushu”
65. *T. nipponicus* Murdoch and Takahasi, 1969 ニッポンシロフアブ “Hokkaido, Honshu”
66. *T. taiwanus* Hayakawa and Takahasi, 1983 タイワンシロフアブ “Honshu, Kyushu, Nansei Islands”
67. *T. kinoshitai* Kono and Takahasi, 1939 キノシタシロフアブ “Hokkaido, Honshu, Shikoku, Kyushu”
68. *T. matsumotoensis* Murdoch and Takahasi, 1961 マツモトアブ “Honshu, Shikoku”
69. *T. monomiensis* Takahasi, 1950 モノミクロバラアブ “Honshu, Kyushu”
70. *T. toshiokai* Murdoch and Takahasi, 1969 トシオカアブ “Shikoku, Kyushu, Amami Islands”
71. *T. maedai* Hayakawa, 1976 マエダアブ “Honshu”
72. *T. trigonus* Coquillett, 1898 ウシアブ “Hokkaido, Honshu, Shikoku, Kyushu”
73. *T. shikokuensis* Murdoch and Takahasi, 1961 シコクアブ “Shikoku”
74. *T. inaensis* Asakawa and Takahasi, 1975 イナウシアブ “Honshu”
75. *T. coquilletti* Shiraki, 1918 ハタケヤマアブ “Hokkaido, Honshu, Shikoku, Kyushu”
76. *T. matsuzawai* Hayakawa and Takahasi, 1983 マツザワアブ “Honshu, Shikoku, Kyushu”
77. *T. rufidens* (Bigot, 1887) ヤマトアブ “Hokkaido, Honshu, Shikoku, Kyushu”
78. *T. yaeyamaensis* Hayakawa and Hasegawa, 1981 ヤエヤマヤマトアブ “Yaeyama Islands”
79. *T. okinawanus* Shiraki, 1918 オキナワオオアブ “Okinawa Islands”

80. *T. tokunoshimaensis* Hayakawa and Suzuki, 1984 トクノシマオオアブ “Amami Islands”
81. *T. tokaraensis* Hayakawa and Suzuki, 1984 トカラヤマトアブ “Tokara Islands”
82. *T. miyajima* Ricardo, 1911 シロスネアブ “Honshu, Shikoku, Kyushu”
83. *T. kanoi* Murdoch and Takahasi, 1961 カノウアブ “Shikoku, Kyushu, Amami Islands”
84. *T. ryukyuensis* Murdoch and Takahasi, 1969 リュウキュウアブ “Nansei Islands”
85. *T. yanbaruensis* Hayakawa and Yoneyama, 1983 ヤンバルアブ “Okinawa Islands”
86. *T. administrans* Schiner, 1868 オカダアブ “Honshu, Kyushu”
T. tanbaensis Murdoch and Takahasi, 1969, **n. syn.**
87. *T. sasai* Watanabe and Takahasi, 1971 サッサアブ “Honshu”
88. *T. fulvimedoides* Shiraki, 1918 キスジアブ “Hokkaido, Honshu, Shikoku, Kyushu”
89. *T. fulvilineus* Hayakawa and Takahasi, 1961 ヒメキスジアブ “Honshu, Kyushu”
90. *Ischikia japonica* (Bigot, 1892) ヒゲナガサシアブ “Honshu, Shikoku, Kyushu”
91. *I. yajimai* Murdoch and Takahasi, 1961 ヤジマサシアブ “Honshu, Kyushu”
92. *Haematopota tamerlani* (Szilady, 1923) シベリアゴマフアブ “Hokkaido”
93. *Ha. antennata* (Shiraki, 1932) ヒゲブトゴマフアブ “Tsushima Islands”
94. *Ha. tristis* Bigot, 1981 ゴマフアブ “Hokkaido, Honshu”
95. *Ha. kouzuensis* (Takahasi, 1950) コウズゴマフアブ “Honshu”
96. *Ha. rufipennis* Bigot, 1891 アカバゴマフアブ “Honshu, Shikoku, Kyushu”
97. *Ha. toyamaensis* Watanabe, Kamimura and Takahasi, 1976 トヤマゴマフアブ “Honshu”
98. *Ha. nagashimai* Hayakawa and Takahasi, 1976 ナガシマゴマフアブ “Honshu”
99. *Ha. hakusanensis* Tagashi, 1977 ハクサンゴマフアブ “Honshu”
100. *Ha. shinonagai* Hayakawa, 1977 シノナガゴマフアブ “Honshu”
101. *Ha. hikosanensis* Hayakawa and Takahasi, 1977 ヒコサンゴマフアブ “Shikoku, Kyushu”
102. *Ha. surugaensis* Hayakawa and Takahasi, 1977 スルガゴマフアブ “Honshu”
103. *Ha. nasuensis* Hayakawa and Moriyama, 1981 ナスゴマフアブ “Honshu”

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摘 要

日本産アブ科雌成虫の検索表と全種の目録

Murdoch and Takahasi (1969) 以後に報告された日本産アブ科の種を整理し、亜種を含めて 103 種が産することを確認した。その中で、アキヤマアブ *Hybomitra akiyamai* Murdoch and Takahasi, 1969 はマルヒゲアブ *Hy. hirticeps* (Loew, 1858) の、またタンバアブ *Tabanus tanbaensis* Murdoch and Takahasi, 1969 はオカダアブ *T. administrans* Schiner, 1968 の同物異名であることを明らかにした。亜科、属、種(雌)の検索表を作製し、チェックリストを掲げた。