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Autor(en): **erný, Miloš / Merz, Bernhard**

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New records of Agromyzidae (Diptera) from the West Palaearctic Region, with an updated checklist for Switzerland

Miloš Černý[1] & Bernhard Merz[2]

[1] CZ-763 63 Halenkovice 1, Czech Republic. E-mail: cerny.milos@centrum.cz
[2] Muséum d'histoire naturelle, C.P. 6434, CH-1211 Genève, Switzerland. E-mail: bernhard.merz@ville-ge.ch

New faunistic data for 34 palaearctic species of Agromyzidae (Diptera) are given. Three species are newly recorded from Egypt, 3 species from France, 4 species from Spain, 23 species from Switzerland, and 2 species from Turkey. *Cerodontha (Poemyza) vladimiri* Černý nom. nov. is proposed for *Cerodontha (Poemyza) zlobini* Černý, 2007 nec Spencer & Martinez, 1987. An updated checklist for the fauna of Switzerland is presented which includes now 273 species.

Keywords: Agromyzidae, new name, new records, West Palaearctic Region, checklist Switzerland.

INTRODUCTION

The Agromyzidae is one of the largest families of acalyptrate Diptera in Europe with over 870 described species. As far as it is known the larvae of all species are phytophagous (Spencer 1990). Few species are known to be serious pests in agriculture and forests (Spencer 1973b, Darvas *et al.* 2000, Skuhravá & Roques 2000), but most species do not have a known economic significance. Through their activity they help to reduce the vitality of their host plants and their proliferation, thus, they are important agents of Biological Control.

Despite their important function in all terrestrial ecosystems the Agromyzidae are still insufficiently known, even in the comparatively well studied western Palaearctic Region. A notable effort has been carried out by various authors in the past years in order to increase our knowledge in taxonomy and faunistics of Agromyzidae of Europe. A summary was presented by Martinez (2005) who provided distribution data for the European species. Since then, further papers mainly of the first author dealing in particular with the fauna of the Czech Republic, Italy, Malta, and Switzerland were published (see reference section).

In the course of examination of further specimens a number of new records for several Western Palaearctic countries were found. The results of these studies are herewith presented. Most new country records concern the fauna of Switzerland. In order to summarize the present knowledge of the family for this country an updated checklist is added as appendix. It includes 273 species. Compared with other European countries (Czech Republic 452 species; Denmark 273 species; Finland 247 species; France 369 species; Germany 566 species; Great Britain 394 species; Italy 285 species; Lithuania 400 species; Poland 481 species; Norway 206 species; Slovakia 261 species; Spain 257 species; Sweden 325 species) it is to be expected that numerous additional species are waiting to be discovered with more field

work in unstudied areas and with appropriate collecting methods, like sweeping over potential host plants and rearing flies from infested plants.

MATERIAL AND METHODS

This study is based on specimens deposited in the following collections:

CMBP private collection Miroslav Barták, Praha, Czech Republic
CMCH private collection Miloš Černý, Halenkovice, Czech Republic
MHNG Muséum d'histoire naturelle, Genève, Switzerland
TAU Tel-Aviv University, Israel

Genera and species are arranged alphabetically within the two subfamilies Agromyzinae and Phytomyzinae. The specimens from Switzerland are listed alphabetically for cantons and localities. All material examined was identified by the first author.

Distribution of species in Europe is well documented in the database «Fauna Europaea» which is available online (Martinez 2005). Therefore we give here only records which are not listed in this database.

LIST OF SPECIES

Subfamily Agromyzinae

Agromyza audcenti Gibbs, 2004

Material examined: Switzerland: Genève, Bernex, Signal, 49.44N/11.40E, 510 m a.s.l., 1 ♂, 24.v.2002, B. Merz leg. (MHNG); Zürich, Embrach, Haumüli, 430 m a.s.l., 1 ♂, 29.v.1998, B. Merz leg. (MHNG).

Distribution: Europe: British Isles (Gibbs 2004). New to the fauna of Switzerland.

Japanagromyza tephrosiae (de Meijere, 1917)

Material examined: Egypt: Sinai, Ofira, 7 ♂♂, 3 ♀♀, 22.iii.1981, A. Freidberg leg. (CMCH, TAU). Spain: Andalucia, Sierra Alhamilla, 5 km E Nijar, 1 ♂, 20.iv.2003, J. Halada leg. (CMBP).

Distribution: Asia: India (Sehgal 1965), Indonesia (Java, de Meijere 1917); Australia (Spencer 1977, as *J. badia* Spencer, 1977). New to the fauna of Egypt and Spain.

Melanagromyza pubescens Hendel, 1923

Material examined: Spain: Lorca, 42.01.51N/03.45.47E, 820 m a.s.l., near river, 1 ♂, 19.viii.2006, sweeping, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2005); Asia: China (Yang 1996), Japan (Sasakawa 1997), Mongolia (Spencer 1966b), Nepal (Sasakawa 1996), Russia (Kuril Islands, Sasakawa 1961a). New to the fauna of Spain.

Ophiomyia aeneonitens (Strobl, 1893)

Material examined: Egypt: Sinai, Nueiba 20 km S, 1 ♂, 1 ♀, 12.iv.1992, A. Freidberg leg. (TAU).

Distribution: Europe (Martinez 2005), Switzerland (Černý 2005b); Asia: Israel (Spencer 1974). New to the fauna of Egypt.

Ophiomyia curvipalpis (Zetterstedt, 1848)

Material examined: Egypt: Sinai Mts, St. Katharina, 1 ♂, 18.vii.1974, A. Freidberg leg. (TAU); Sinai, Mt. Abbas, 1800 m a.s.l., 1 ♀, 26.ix.1977, A. Freidberg leg. (TAU).

Distribution: Europe (Martinez 2005), Bulgaria (Černý & Merz 2006), Greece (Černý & Merz 2006), Italy (Sardinia and Sicily, Černý 2006), Maltese Islands (Černý 2005a), Romania (Černý & Merz 2006), Ukraine (Černý & Merz 2006); Africa: Canary Islands (Spencer 1965), Morocco (Spencer 1967); Asia: Cyprus (Černý & Vála 2006), Israel (Spencer 1974), Japan (Sasakawa 1956), Turkey (Civelek *et al.* 2000). New to the fauna of Egypt.

Ophiomyia delphinii Hendel, 1928

Material examined: W. Turkey: near Bodrum, 4 km NNE, headland, 3 ♂♂, 26.iv.1998, D. M. Ackland leg. (CMCH, MHNG).

Distribution: So far only known from the type series from Croatia (Dalmatia) (not «Yugoslavia» as given by Martinez 2005). New to the fauna of Turkey.

Ophiomyia galii Hering, 1937

Material examined: W. Turkey: near Bodrum, 4 km NNE, headland, 1 ♀, 26.iv.1998, D. M. Ackland leg. (MHNG).

Distribution: Europe (Martinez 2005), Bulgaria (Černý & Merz 2006), Italy (Černý 2006), Sweden (Černý & Merz 2006), Switzerland (Černý 2005b). New to the fauna of Turkey.

Ophiomyia heringi Starý, 1930

Material examined: Switzerland: Genève, Corsier-Port, vitre véranda (= window of a veranda), 1 ♀, 1.–31.vii.2004, C. Besuchet leg. (MHNG).

Distribution: Europe (Martinez 2005), Italy (Süss 1999). New to the fauna of Switzerland.

Ophiomyia melandryi de Meijere, 1924

Material examined: Switzerland: Graubünden (= Grisons), Ausserferrera-Cresta, 1300–1670 m a.s.l., 1 ♂, 1.ix.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Sweden (Černý & Merz 2006); Africa: Morocco (Spencer 1967); Asia: Cyprus (Černý & Vála 2006). New to the fauna of Switzerland.

Ophiomyia moravica Černý, 1994

Material examined: Switzerland: Ticino, Mte. S. Giorgio, Meride-Cassina, 580–900 m a.s.l., 1 ♂, 17.v.2006, B. Merz leg. (MHNG).

Distribution: Europe (so far only recorded from the Czech Republic, Martinez 2005). New to the fauna of Switzerland.

Ophiomyia vimmeri Černý, 1994

Material examined: France: Col du Cabaretous, 43.33.02N/02.45.24E, 940 m a.s.l., edge of wood, 1 ♂, 25.v.2006, sweeping, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2005), Spain (Černý & Merz 2006), Switzerland (Černý 2005b); Africa: Morocco (Černý & Merz 2006). New to the fauna of France.

Subfamily Phytomyzinae

Amauromyza (Cephalomyza) gyrans (Fallén, 1823)

Material examined: Switzerland: Graubünden (= Grisons), Ausserferrera, 1325 m a.s.l., 1 ♂, 30.viii.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005). New to the fauna of Switzerland.

Aulagromyza discrepans (van der Wulp, 1871)

Material examined: Switzerland: Ticino, Biasca-Loderio, 350 m a.s.l., 2 ♂♂, 16.v.2006, B. Merz leg. (CMCH, MHNG).

Distribution: Europe (Martinez 2005). New to the fauna of Switzerland.

Cerodontha (Butomomyza) staryi (Starý, 1930)

Material examined: Switzerland: Graubünden (= Grisons), Grono (Dorf), 350 m a.s.l., 1 ♂, 31.viii.2006, B. Merz leg. (MHNG); Ticino, Mte. S. Giorgio, Meride-Cassina, 580–900 m a.s.l., 1 ♂, 17.v.2006, B. Merz leg. (CMCH).

Distribution: Europe (Martinez 2005), British Isles (Gibbs 2005); Asia: Japan (Sasakawa 2005). New to the fauna of Switzerland.

Cerodontha (Poemyza) phragmitidis Nowakowski, 1967

Material examined: Switzerland: Ticino, Biasca-Loderio, 350 m a.s.l., 1 ♂, 16.v.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005); Asia: Japan (Sasakawa 2005). New to the fauna of Switzerland.

Cerodontha (Poemyza) vladimiri Černý, nom. nov.

= *Cerodontha (Poemyza) zlobini* Černý, 2007 nec Spencer & Martinez, 1987: 268.

Material examined: Switzerland: Ticino, Biasca-Loderio, 350 m a.s.l., 3 ♂♂, 16.v.2006, B. Merz leg. (CMCH, MHNG).

Distribution: Europe: So far only known from the type series from the Czech

Republic (Černý 2007). New to the fauna of Switzerland.

Remarks: *Cerodontha (Poemyza) zlobini* Černý, 2007 was recently described based on 3 specimens from the Czech Republic [holotype: Bílina, 390 m a.s.l., 50.32.59N/13.49.28E, 1 ♂, 18.vii.2001, M. Barták leg. (CMBP) and 2 paratypes: Bílina, mixed dump, MT, wetland, 50.32.56N/13.50.27E, 1 ♂, 16.vi.–14.vii.2002, M. Barták leg.; Bílina – Jirásek III, MT, Phragmitetum, 310 m a.s.l., 50.33.35N/13.47.44E, 1 ♂, 14.v.–23.vii.1998, M. Barták leg. (CMBP and CMCH) (Černý 2007)]. However, this name is preoccupied as *Cerodontha (Dizygomyza) zlobini* Spencer & Martinez 1987. In order to resolve this homonymy, *C. (P.) vladimiri* Černý, nom. nov. is proposed here as replacement name for *C. (P.) zlobini* Černý, 2007.

Liriomyza amoena (Meigen, 1830)

Material examined: Spain: Lorca, 42.01.51N/03.45.47E, 820 m a.s.l., near river, 1 ♂, 19.viii.2006, sweeping, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2005), Italy (Černý 2006); Asia: India (Sasakawa 1977), Japan (Sasakawa 1961b). New to the fauna of Spain.

Liriomyza demeijerei Hering, 1930

Material examined: Switzerland: Ticino, Gordola, Verzasca-Ufer, 250 m a.s.l., 1 ♂, 15.v.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Hungary (Černý & Merz 2006). New to the fauna of Switzerland.

Liriomyza graminivora Hering 1949

Material examined: Spain: Lorca, 42.01.51N/03.45.47E, 820 m a.s.l., near river, 1 ♂, 19.viii.2006, sweeping, M. Barták leg. (CMBP).

Distribution: Europe (Martinez 2005), Romania (Černý & Merz 2006); Asia: Uzbekistan (Černý & Merz 2006). New to the fauna of Spain.

Liriomyza pedestris Hendel, 1931

Material examined: Switzerland: Ticino, Mte. S. Giorgio, Meride, ob Dorf, 580 m a.s.l., 2 ♂♂, 18.v.2006, B. Merz leg. (CMCH, MHNG).

Distribution: Europe: Austria (Franz 1989), British Isles (Spencer 1956), Corsica (Černý & Merz 2006), Czech Republic (Černý *et al.* 2006a), Denmark (Spencer 1976), Finland (Hendel 1931–36), Germany (Hendel 1931–36), Greece (Zlobin 2003), Hungary (Hendel 1931–36), Italy, Maltese Islands (Spencer 1973a), Norway (Spencer 1976), Russia, Sicily (Spencer 1966a), Spain (Spencer 1972), Sweden (Spencer 1976), Ukraine (Zlobin 2003); Africa: Morocco (Spencer 1967); Asia: Cyprus (Černý & Vála 2006), Iran (Zlobin 2003), Israel (Zlobin 2003), Russia (Kamchatka, Hendel 1931–36), Turkey (Černý & Merz 2006), Uzbekistan (Černý & Merz 2006), Yemen (Deeming 2006). New to the fauna of Switzerland.

Liriomyza puella (Meigen, 1830)

Material examined: Switzerland: Ticino, Gordola, Verzasca-Ufer, 250 m a.s.l.,

1 ♂, 15.v.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005). New to the fauna of Switzerland.

Liriomyza virgula Frey, 1946

Material examined: Switzerland: Ticino, Biasca-Loderio, 350 m a.s.l., 1 ♂, 16.v.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Belgium (Scheirs *et al.* 1995), Czech Republic (Černý *et al.* 2001, 2006a), Estonia (Elberg & Zlobin 1992). New to the fauna of Switzerland.

Liriomyza yasumatsui Sasakawa, 1972

Material examined: France: Grand Bois, 45.30.55N/04.46.20E, 440 m a.s.l., 1 ♂, 21.v.2006, M. Barták leg. (CMBP).

Distribution: Europe: Czech Republic (Černý *et al.* 2006a), Switzerland (Černý & Merz 2005); Asia: China (Yang 1996), Japan (Sasakawa 1994), South Korea (Suh & Kwon 1998), Taiwan (Sasakawa 1972), Uzbekistan (Černý & Merz 2006). New to the fauna of France.

Napomyza achilleanella von Tschirnhaus, 1992

Material examined: Switzerland: Graubünden (= Grisons), Ausserferrera-Cresta, 1300–1670 m a.s.l., 1 ♂, 1.ix.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Italy (Süss 2003), Slovakia (Černý *et al.* 2006b); Asia: Kirgyzstan (Zlobin 1994). New to the fauna of Switzerland.

Napomyza merita Zlobin, 1993

Material examined: Switzerland: Ticino, Mte. S. Giorgio, Meride, ob Dorf, 580 m a.s.l., 4 ♂♂, 18.v.2006, B. Merz leg. (CMCH, MHNG).

Distribution: Europe (Martinez 2005), Czech Republic (Černý *et al.* 2006a), Greece (Zlobin 2001). New to the fauna of Switzerland.

Napomyza scrophulariae Spencer, 1966

Material examined: Switzerland: Genève, Cartigny, Moulin de Vert, 1 ♂, 5.vi.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Greece (Černý & Merz 2006), Norway (Andersen & Jonassen 1994); Africa: Morocco (Černý & Merz 2006); Asia: Israel (Spencer 1974), Tajikistan (Zlobin 1994). New to the fauna of Switzerland.

Phytomyza buhriella Spencer, 1969

Material examined: Switzerland: Graubünden (= Grisons), Ausserferrera, 1300 m a.s.l., 1 ♂, 28.viii.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Norway (Andersen & Jonassen 1994). New to the fauna of Switzerland.

Phytomyza chaerophylliana Hering, 1931

Material examined: Switzerland: Graubünden (= Grisons), Ausserferrera, 1300 m a.s.l., 1 ♂, 28.viii.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Austria (Franz 1989), Slovakia (Černý &Vála 2005). New to the fauna of Switzerland.

Phytomyza dalmatiensis (Spencer, 1961)

Material examined: France: 9 km SW of Sète, 43.21.09N/03.35.48E, seashore dunes, 7 ♂♂, 21.–23.v.2006, pan trap, M. Barták leg. (CMBP, CMCH).

Distribution: Europe (Martinez 2005). New to the fauna of France.

Phytomyza griffithsi Spencer, 1963

Material examined: Switzerland: Graubünden (= Grisons), Ausserferrera-Cresta, 1300–1670 m a.s.l., 1 ♂, 1.ix.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005); Asia: Cyprus (Černý & Vála 2006). New to the fauna of Switzerland.

Phytomyza ranunculivora Hering, 1932

Material examined: Switzerland: Graubünden (= Grisons), Andeer (H. Rhein), 980 m a.s.l., 1 ♂, 29.viii.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005). New to the fauna of Switzerland.

Phytomyza robustella Hendel, 1936

Material examined: Switzerland: Ticino, Mte. S. Giorgio, Meride-Cassina, 850–900 m a.s.l., 3 ♂♂, 17.v.2006, B. Merz leg. (CMCH, MHNG).

Distribution: Europe (Martinez 2005); Asia: China (Yang 1996), Taiwan (Hendel 1936, as *P. robusta* Hendel, 1936). New to the fauna of Switzerland.

Phytomyza salviae (Hering, 1924)

Material examined: Switzerland: Graubünden (= Grisons), Andeer (H. Rhein), 980 m a.s.l., 1 ♂, 29.viii.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005), Austria (Franz 1989). New to the fauna of Switzerland.

Phytomyza tetrasticha Hendel, 1927

Material examined: Switzerland: Genève, Cartigny, Moulin de Vert, 350 m a.s.l., 1 ♂, 5.vi.2006, B. Merz leg. (MHNG); Ticino, Gordola, Bolle di Magadino, 200 m a.s.l., 1 ♂, 19.v.2006, B. Merz leg. (MHNG).

Distribution: Europe (Martinez 2005); Asia: Iraq (Spencer 1981). New to the fauna of Switzerland.

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APPENDIX

Updated checklist of the Agromyzidae of Switzerland.

Each species is followed by at least one reference about its occurrance in Switzerland. The following abbreviations are used: N = New record from Switzerland presented in this paper; R1 = Černý (2005b); R2 = Černý & Merz (2005); R3 = Černý & Merz (2006); R4 = Eder & Baur (2003); R5 = Martinez (1998); R6 = Martinez (2005); R7 = Papp (1984); R8 = Spencer (1964); R9 = Spencer (1966b); R10 = Spencer (1990).

Agromyzidae Fallén, 1810
Subfamily Agromyzinae

Agromyza Fallén, 1810
– *abiens* Zetterstedt, 1848 R1, R5, R6
– *albipennis* Meigen, 1830 R1, R5, R6
– *alnibetulae* Hendel, 1931 R5, R6, R7
– *ambigua* Fallén, 1823 R5, R6
– *anthracina* Meigen, 1830 R2, R5, R6
– *audcenti* Gibbs, 2004 N
– *bicaudata* (Hendel, 1920) R1
– *bromi* Spencer, 1966 R1, R5, R6
– *cinerascens* Macquart, 1835 R1, R2
– *frontella* (Rondani, 1875) R1
– *hendeli* Griffiths, 1963 R1
– *idaeiana* Hardy, 1853 R1, R2
– *lucida* Hendel, 1920 R1
– *marionnae* Griffiths, 1963 R1
– *mobilis* Meigen, 1830 R1, R2, R5, R6
– *myosotidis* Kaltenbach, 1864 R5, R6
– *nana* Meigen, 1830 R1, R2, R5, R6
– *nigrella* (Rondani, 1875) R5, R6
– *nigrescens* Hendel, 1920 R5, R6
– *nigripes* Meigen, 1830 R1, R2, R5, R6
– *nigrociliata* Hendel, 1931 R5, R6
– *orobi* Hendel, 1920 R5, R6
– *polygoni* Hering, 1941 R1, R2, R5, R6
– *prespana* Spencer, 1957 R1
– *pseudoreptans* Nowakowski, 1967 R1
– *pseudorufipes* Nowakowski, 1964 R1
– *quadriseta* Zlobin, 2001 R1
– *reptans* Fallén, 1823 R2, R5, R6

– *rondensis* Strobl, 1900 R1
– *sulfuriceps* Strobl, 1898 R1, R5, R6
– *viciae* Kaltenbach, 1872 R5, R6
– *vicifoliae* Hering, 1932 R5, R6

Hexomyza Enderlein, 1936
– *simplicoides* (Hendel, 1920) R6, R9

Melanagromyza Hendel, 1920
– *aenea* (Meigen, 1830) R6, R9
– *aeneoventris* (Fallén, 1823) R2, R5, R6
– *astragali* Spencer, 1976 R1
– *cunctans* (Meigen, 1830) R1, R2, R5, R6
– *lappae* (Loew, 1850) R5, R6

Ophiomyia Braschnikov, 1897
– *aeneonitens* (Strobl, 1893) R1
– *beckeri* (Hendel, 1923) R2
– *campanularum* Starý, 1930 R1
– *collini* Spencer, 1971 R3
– *cunctata* (Hendel, 1920) R1
– *curvipalpis* (Zetterstedt, 1848) R1, R5, R6
– *galii* Hering, 1937 R1
– *heringi* Starý, 1930 N
– *inaequabilis* (Hendel, 1931) R1
– *longilingua* (Hendel, 1920) R5, R6, R9
– *melandryi* de Meijere, 1924 N
– *moravica* Černý, 1994 N
– *nasuta* (Melander, 1913) R1, R2, R5, R6
– *orbiculata* (Hendel, 1931) R1, R2, R5, R6, R8
– *pinguis* (Fallén, 1820) R1, R5, R6
– *pulicaria* (Meigen, 1830) R2, R5, R6
– *submaura* Hering, 1926 R1
– *vimmeri* Černý, 1994 R1

Subfamily Phytomyzinae

Amauromyza Hendel, 1931
subgenus ***Amauromyza*** Hendel, 1931
– *leonuri* Spencer, 1971 R2
subgenus ***Cephalomyza*** Hendel, 1931
– *flavifrons* (Meigen, 1830) R1
– *gyrans* (Fallén, 1823) N
– *labiatarum* (Hendel, 1920) R2
– *mihalyii* Spencer, 1971 R1
– *monfalconensis* (Strobl, 1909) R1, R5, R6
– *verbasci* (Bouché, 1847) R5, R6

Aulagromyza Enderlein, 1936
– *anteposita* (Strobl, 1898) R5, R6
– *buhri* (de Meijere, 1938) R5, R6
– *discrepans* (van der Wulp, 1871) N
– *hendeliana* (Hering, 1926) R5, R6
– *luteoscutellata* (de Meijere, 1924) R1
– *orphana* (Hendel, 1920) R1
– *similis* (Brischke, 1880) R1
– *trivittata* (Loew, 1873) R1, R5, R6

Calycomyza Hendel, 1931
– *artemisiae* (Kaltenbach, 1856) R5, R6
– *humeralis* (von Roser, 1840) R1, R5, R6
– *solidaginis* (Kaltenbach, 1869) R5, R6

Cerodontha Rondani, 1861
subgenus ***Butomomyza*** Nowakowski, 1967
– *angulata* (Loew, 1869) R1
– *eucaricis* Nowakowski, 1967 R5, R6
– *rohdendorfi* Nowakowski, 1967 R1
– *scirpi* (Karl, 1926) R5, R6
– *staryi* (Starý, 1930) N
subgenus ***Cerodontha*** Rondani, 1861
– *affinis* (Fallén, 1823) R1, R2, R5, R6
– *denticornis* (Panzer, 1806) R1, R2, R5, R6
– *flavicornis* (Egger, 1862) R5, R6, R7
– *fulvipes* (Meigen, 1830) R1, R2, R5, R6
– *unguicornis* Hendel, 1932 R1, R2
subgenus ***Dizygomyza*** Hendel, 1920
– *bimaculata* (Meigen, 1830) R1, R2
– *caricicola* (Hering, 1926) R2
– *crassiseta* (Strobl, 1900) R1
– *fasciata* (Strobl, 1880) R1
– *griffithsi* Nowakowski, 1967 R1
– *iraeos* (Robineau-Desvoidy, 1851) R5, R6
– *luctuosa* (Meigen, 1830) R1
– *luzulae* (Groschke, 1957) R1
– *morosa* (Meigen, 1830) R1, R5, R6
– *spinata* (Groschke, 1954) R1
subgenus ***Icteromyza*** Hendel, 1931
– *geniculata* (Fallén, 1823) R2, R5, R6
subgenus ***Poemyza*** Hendel, 1931
– *alpina* Nowakowski, 1967 R1
– *atra* (Meigen, 1830) R1, R5, R6
– *beigerae* Nowakowski, 1973 R1
– *calamagrostidis* Nowakowski, 1967 R1
– *imbuta* (Meigen, 1838) R5, R6
– *incisa* (Meigen, 1830) R1
– *lateralis* (Macquart, 1835) R1, R2
– *lyneborgi* Spencer, 1972 R1, R2
– *muscina* (Meigen, 1830) R1, R5, R6
– *phragmitidis* Nowakowski, 1967 N
– *pygmaea* (Meigen, 1830) R1
– *spencerae* Zlobin, 1993 R1
– *superciliosa* (Zetterstedt, 1860) R5, R6, R7
– *vladimiri* Černý, nom. nov. (= *zlobini* Černý, 2007, nec Spencer & Martinez, 1987) N
subgenus ***Xenophytomyza*** Frey, 1946
– *atronitens* (Hendel, 1920) R1
– *biseta* (Hendel, 1920) R1, R5, R6
– *venturii* Nowakowski, 1967 R5, R6

Chromatomyia Hardy, 1849
– *aizoon* (Hering, 1932) R5, R6
– *alpigenae* (Hendel, 1925) R5, R6
– *ciliata* (Hendel, 1935) R5, R6
– *fuscula* (Zetterstedt, 1838) R1, R2
– *gentianae* (Hendel, 1920) R5, R6
– *gentianella* (Hendel, 1932) R1, R5, R6, R7
– *hoppiella* Spencer, 1990 R1, R2, R5, R6, R10
– *horticola* (Goureau, 1851) R1, R2, R5, R6
– *isicae* (Hering, 1962) R1
– *milii* (Kaltenbach, 1864) R1, R2, R5, R6
– *nigra* (Meigen, 1830) R1, R5, R6
– *opacella* (Hendel, 1935) R1
– *periclymeni* (Hendel, 1922) R2, R5, R6
– *pseudomilii* Griffiths, 1980 R1
– *ramosa* (Hendel, 1923) R1, R2, R5, R6

– *saxifragae* (Hering, 1924) R5, R6
– *soldanellae* (Starý, 1950) R5, R6
– *syngenesiae* Hardy, 1849 R5, R6
– *vernalis* (Groschke, 1957) R3

Galiomyza Spencer, 1981
– *galiivora* (Spencer, 1969) R1
– *morio* (Brischke, 1880) R1, R5, R6
– *violiphaga* (Hendel, 1932) R5, R6

Gymnophytomyza Hendel, 1936
– *heteroneura* (Hendel, 1920) R5, R6

Liriomyza Mik, 1894
– *approximata* (Hendel, 1920) R1
– *artemisicola* de Meijere, 1924 R2, R5, R6
– *balcanica* (Strobl, 1898) R2
– *bryoniae* (Kaltenbach, 1858) R3
– *cicerina* (Rondani, 1875) R5, R6
– *congesta* (Becker, 1903) R1, R2, R5, R6
– *demeijerei* Hering, 1930 N
– *dianthicola* (Venturi, 1949) R3
– *dracunculi* Hering, 1932 R2
– *erucifolii* de Meijere, 1944 R1, R2
– *eupatorii* (Kaltenbach, 1873) R5, R6
– *flaveola* (Fallén, 1823) R1, R2, R5, R6
– *globulariae* Hendel, 1931 R5, R6, R7
– *hieracii* (Kaltenbach, 1862) R5, R6
– *huidobrensis* (Blanchard, 1926) R5, R6
– *lutea* (Meigen, 1830) R1
– *nietzkei* Spencer, 1973 R5, R6
– *obliqua* Hendel, 1931 R1
– *orbona* (Meigen, 1830) R2, R5, R6
– *pedestris* Hendel, 1931 N
– *polygalae* Hering, 1927 R1, R5, R6, R7
– *puella* (Meigen, 1830) N
– *pusilla* (Meigen, 1830) R2
– *richteri* Hering, 1927 R5, R6
– *strigata* (Meigen, 1830) R2, R5, R6
– *taraxaci* Hering, 1927 R1
– *trifolii* (Burgess in Comstock, 1880) R5, R6
– *urophorina* Mik, 1894 R5, R6
– *virgula* Frey, 1946 N
– *yasumatsui* Sasakawa, 1972 R2

Metopomyza Enderlein, 1936
– *flavonotata* (Haliday, 1833) R1
– *nigriorbita* (Hendel, 1931) R1
– *scutellata* (Fallén, 1823) R1
– *xanthaspis* (Loew, 1858) R1, R5, R6

Napomyza Westwood, 1840
– *achilleanella* von Tschirnhaus, 1992 N
– *bellidis* Griffiths, 1967 R1
– *carotae* Spencer, 1966 R5, R6
– *cichorii* Spencer, 1966 R1, R2, R5, R6
– *elegans* (Meigen, 1830) R1
– *hirticornis* Hendel, 1932 R5, R6
– *lateralis* (Fallén, 1823) R5, R6
– *maritima* von Tschirnhaus, 1981 R1
– *merita* Zlobin, 1993 N
– *nigriceps* van der Wulp, 1871 R1

– *scrophulariae* Spencer, 1966 N
– *tripolii* Spencer, 1966 R1

Phytobia Lioy, 1864
– *mallochi* (Hendel, 1924) R5, R6, R7

Phytoliriomyza Hendel, 1931
– *arctica* (Lundbeck, 1901) R1, R5, R6
– *melampyga* (Loew, 1869) R1, R5, R6
– *perpusilla* (Meigen, 1830) R1

Phytomyza Fallén, 1810
– *abdita* Hering, 1927 R5, R6, R7
– *adenostylis* Hering, 1926 R5, R6
– *adjuncta* Hering, 1928 R5, R6
– *affinis* Fallén, 1823 R1, R5, R6
– *albipennis* Fallén, 1823 R1
– *alpestris* Hendel, 1920 R5, R6, R7
– *alpina* Groschke, 1957 R5, R6
– *angelicae* Kaltenbach, 1872 R1, R5, R6
– *aquilegiae* Hardy, 1849 R5, R6
– *arnicae* Hering, 1925 R5, R6
– *artemisivora* Spencer, 1971 R1, R5, R6
– *aurei* Hering, 1931 R5, R6
– *bipunctata* Loew, 1858 R5, R6
– *brischkei* Hendel, 1922 R1, R5, R6
– *buhriella* Spencer, 1969 N
– *calthivora* Hendel, 1934 R1
– *calthophila* Hering, 1931 R1
– *campanulae* Hendel, 1920 R2
– *chaerophylli* Kaltenbach, 1856 R1, R5, R6
– *chaerophylliana* Hering, 1931 N
– *clematidis* Kaltenbach, 1859 R5, R6
– *continua* Hendel, 1920 R1, R5, R6
– *crassiseta* Zetterstedt, 1860 R1, R2
– *digitalis* Hering, 1925 R5, R6
– *eumorpha* Frey, 1946 R1
– *evanescens* Hendel, 1920 R1
– *fallaciosa* Brischke, 1880 R1
– *flavicornis* Fallén, 1823 R1, R2
– *glechomae* Kaltenbach, 1862 R1, R5, R6
– *griffithsi* Spencer, 1963 N
– *gymnostoma* Loew, 1858 R1, R4
– *heracleana* Hering, 1937 R1
– *hirsuta* Spencer, 1976 R1
– *homogyneae* Hering, 1927 R1
– *hoppi* Hering, 1925 R5, R6, R7
– *ilicis* Curtis, 1846 R2, R5, R6
– *kaltenbachi* Hendel, 1922 R5, R6, R7
– *kyffhusana* Hering, 1928 R2
– *latifolii* Groschke, 1957 R5, R6
– *marginella* Fallén, 1823 R5, R6, R7
– *minuscula* Goureau, 1851 R5, R6
– *narcissiflorae* Hering, 1928 R5, R6, R7
– *nigripennis* Fallén, 1823 R1, R2, R5, R6
– *nigritula* Zetterstedt, 1838 R5, R6
– *notata* Meigen, 1830 R1, R5, R6
– *origani* Hering, 1931 R1, R2
– *pauliloewii* Hendel, 1920 R1
– *penicilla* Hendel, 1935 R5, R6
– *petoei* Hering, 1924 R5, R6
– *plantaginis* Robineau–Desvoidy, 1851 R1, R2, R5, R6

– *platystoma* (Hendel, 1920) R1
– *pubicornis* Hendel, 1920 R1
– *pullula* Zetterstedt, 1848 R1, R2
– *pulsatillae* Hering, 1924 R7
– *ranunculi* (Schrank, 1803) R1, R2, R5, R6
– *ranunculicola* Hering, 1949 R1
– *ranunculivora* Hering, 1932 N
– *rapunculi* Hendel, 1927 R1
– *rectae* Hendel, 1924 R5, R6
– *rhabdophora* Griffiths, 1964 R1
– *robustella* Hendel, 1936 N
– *rostrata* Hering, 1934 R1
– *rufipes* Meigen, 1830 R1, R5, R6
– *salviae* (Hering, 1924) N
– *sedi* Kaltenbach, 1869 R1, R2
– *sedicola* Hering, 1924 R5, R6
– *soenderupi* Hering, 1941 R1
– *solidaginis* Hendel, 1920 R5, R6
– *spondylii* Robineau-Desvoidy, 1851 R2, R5, R6
– *tenella* Meigen, 1830 R1, R2, R5, R6
– *tetrasticha* Hendel, 1927 N
– *thalictri* Escher-Kündig in de Rougemont, 1912 R5, R6, R7
– *thymi* Hering, 1928 R5, R6, R7
– *trollii* Hering, 1930 R5, R6
– *trolliivora* Hering, 1935 R5, R6
– *varipes* Macquart, 1835 R1
– *veronicicola* Hering, 1925 R2
– *virgaureae* Hering, 1926 R5, R6, R7
– *vitalbae* Kaltenbach, 1872 R1, R2, R5, R6
– *wahlgreni* Rydén, 1944 R1, R5, R6

Pseudonapomyza Hendel, 1920
– *atra* (Meigen, 1830) R1, R2
– *balkanensis* Spencer, 1973 R5, R6
– *errata* Zlobin, 1993 R1, R2
– *eurasiatica* Zlobin, 2003 R1, R2
– *europaea* Spencer, 1973 R1, R5, R6, R7
– *strobliana* Spencer, 1973 R1
– *vota* Spencer, 1973 R1, R2

Selachops Wahlberg, 1844
– *flavocinctus* Wahlberg, 1844 R5, R6