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Tipula (Lunatipula) peliostigma Schummel, 1833, new to Norway, and new distributional data for Tipulidae (Diptera) for Norway

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Hofsvang, T. 2025. *Tipula* (*Lunatipula*) *peliostigma* Schummel, 1833, new to Norway, and new distributional data for Tipulidae (Diptera) for Norway. *Norwegian Journal of Entomology* 72, 7–10.

Records for 25 species of Tipulidae (Diptera) are presented, collected during the period 2016–2024 mainly from Grimstad (Aust-Agder), Nesodden (Akershus) and Oslo (Oslo). *Tipula* (*Lunatipula*) *peliostigma* Schummel, 1833, is recorded for the first time in Norway at Nesodden (**AK**). The second record in Norway of *Tipula* (*Lunatipula*) *cava* Riedel, 1913, is reported from Grimstad (**AAY**). *Tipula* (*Pterelachisus*) *pabulina* Meigen, 1818 is also recorded new in the Strand region **AAY**.

Key words: Diptera, Tipulidae, *Dictenidia, Nephrotoma, Tipula, Lunatipula, Pterelachisus, Savtshenkia, Tipula, Vestiplex, Yamatotipula,* distribution, new records, Norway.

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Introduction

Until 2018, 106 species of Tipulidae (Diptera) were recorded in Norway (Hofsvang *et al*. 2019). An updated and annotated checklist of species occurring in Norway, Sweden, Finland, Denmark and Iceland is given in Hofsvang *et al.* (2019), including distributional data for Norway. Later, Olsen & Andersen (2022) published one new species and Kolcsár *et al*. (2023) published five species of Tipulidae new to Norway.

Material and methods

The speciemens of Tipulidae presented here were collected by Malaise traps (MT) or netted (N). A few speciemens were found indoors, dead under an open window (D). Species marked with an * are new to Norway. Nomenclature follows Oosterbroek (2024). Localities are given using the revised Strand-system (Endrestøl 2021). Material collected is kept in Trond Hofsvang's private collection. Abbreviations for collectors and identifier: JH=Jakob Hofsvang, TH=Trond Hofsvang. Information on the biology of the species (habitat of the larva, the flight period) can be found in Hofsvang (2016) and Hofsvang *et al*. (2019).

Results

CTENOPHORINAE

***Dictenidia bimaculata* (Linnaeus, 1760)**

Material examined: AK, Nesodden: Lyngveien, 59.85195° N 10.65909°E, 11 July 2024, 1♂, N, leg. JH/det. TH; **AAY**, Grimstad: Hesnes, Sandum, 58.34334°N 08.64031°E, 8 June 2016, 1♂, 22 July 2016, 1♂, 24 July 2016, 1♀, 24 June 2021, 1♀, N, 20 June–7 July 2016, 1♀, 23–30 June 2019, 1♀, MT, leg./det. TH.

TIPULINAE

***Nephrotoma aculeata* (Loew, 1871)**

Material examined: AK, Oslo: Marienlyst, 59.93476ºN 10.71654ºE, 11 July 2022, 1♂, N, leg./det. TH; **AAY**, Grimstad: Hesnes, Sandum, 22–29 July 2016, 1♂, 29 July–2 August 2018, 1♂, 14–19 July 2019, 1♂, 19 July–3 August 2019, 4♂♂, MT, leg./det. TH.

***Nephrotoma analis* (Schummel, 1833)**

Material examined: AK, Oslo: Marienlyst, 17 July–17 August 2022, 2♂♂, D, 30 July 2023, 1♂, N, leg./det. TH; Nesodden: Lyngveien, 7 July 2024, 1♂, N, leg. JH/det. TH; **AAY**, Grimstad: Hesnes, Sandum, 7 July 2017, 1♂, N, 25–29 July 2018, 1♂, 2–6 August 2018, 1♂, MT, leg./det. TH.

***Nephrotoma appendiculata appendiculata* (Pierre, 1919)**

Material examined: AAY, Grimstad: Hesnes, Sandum, 18 July 2022, 1♂, N, leg./det. TH.

Comment: This is the second record of *N. appendiculata* from **AAY** (Artsdatabanken 2025).

***Nephrotoma cornicina cornicina* (Linnaeus, 1758)**

Material examined: AK, Oslo: Marienlyst, 17 July–17 August 2022, 2♂♂, D, leg./det. TH.

***Nephrotoma dorsalis* (Fabricius, 1781)**

Material examined: AK, Nesodden: Lyngveien, 5 August 2024, 1♂, N, leg. JH/det. TH.

***Nephrotoma flavipalpis* (Meigen, 1830)**

Material examined: AAY, Grimstad: Hesnes, Sandum, 27 July 2018, 1♂, 17 July 2021, 1♂, 28 July 2022, 1♂, N, leg./det. TH.

Comment: *N. flavipalpis* was recorded new for Norway in Hofsvang *et al*. (2019). So far, the species has only been found in **AAY**, **VAY** and **RY** (Artsdatabanken 2025).

***Nephrotoma lunulicornis* (Schummel, 1833)**

Material examined: AK, Oslo: Marienlyst, 24 June–21 July 2017, 1♂, D, leg./det. TH.

***Nephrotoma quadrifaria quadrifaria* (Meigen, 1804)**

Material examined: AAY, Grimstad: Hesnes, Sandum, 20 June–7 July 2016, 1♂, MT, leg./det. TH.

***Nephrotoma scurra* (Meigen, 1818)**

Material examined: AAY, Grimstad: Hesnes, Sandum, 5–12 August 2016, 1♂, 14–19 July 2019, 1♂, MT, leg./det. TH.

***Nephrotoma tenuipes* (Riedel, 1910)**

Material examined: AK, Oslo: Marienlyst, 22 July–18 August 2016, 1♂, D, 3 July 2020, 1♂, N, 18 July–15 August 2020, 2♂♂, D, leg./det. TH; Oslo: Alna-elva nedenfor Bryn, 59.90709ºN 10.80889ºE, 11–24 July 2017, 1♂1♀, MT, leg./det. TH; **FØ**, Sør-Varanger: Kirkenes, 69.72928ºN 30.04464ºE, 27 August 2021, 2♂♂, N, leg./det. TH.

Comment: *N. tenuipes* has now been recorded from three localities in Finmark, all in **FØ** (Artsdatabanken 2025).

***Tipula* (*Lunatipula*) *alpina* Loew, 1873**

Material examined: AK, Nesodden: Lyngveien, 28 June 2020, 1♂, 19 June 2024, 1♂, 27 June 2024, 1♂, N, leg. JH/det. TH.

Comment: The species is also recorded from Langøyene (**AK**) close to Nesodden (Artdatabanken 2025).

***Tipula* (*Lunatipula*) *cava* Riedel, 1913**

Material examined: **AAY**, Grimstad: Hesnes, Sandum, 31 July 2022, 1♂, N, 18 July 2024, 1♂, N, leg./det. TH.

Comment: *T. cava* was reported new to Norway in **VAY**, Farsund: Lomsesanden, 11 June 2022 (Kolcsár et al. 2023). The record from Grimstad is the second in Norway.

***Tipula* (*Lunatipula*) *fascipennis* Meigen, 1818**

Material examined: AK, Nesodden: Lyngveien, 26 June 2022, 1♂, N, leg. JH/det. TH.

***Tipula (Lunatipula) lunata* Linnaeus, 1758**

Material examined: AK, Oslo: Marienlyst, 18 June 2022, 1♂, N, leg./det. TH; Nesodden:

Lyngveien, 26 June 2022, 1♂, 26 May 2024, 1♂, N, leg. JH/det. TH.

**** Tipula (Lunatipula) peliostigma* Schummel, 1833**

Material examined: AK, Nesodden: Lyngveien, 2 July 2022, 1♂, 9 July 2024, 1♂, N, leg. JH/det. TH.

Comment: The two specimens were found in a garden close to an area of mixed forest (deciduous, spruce, pine) surrounding a small lake (Skoklefalltjernet). *T. peliostigma* is a new species for Norway. It is recorded in Denmark and Sweden, but not yet confirmed for Finland (Oosterbroek 2024). In Sweden it is found as far north as Västergötland and Uppland (SLU Artdatabanken 2024). *T. peliostigma* is distributed in west palearctic and east palearctic. Flight period: May—August. The larvae have been found in leaf-litter and under mosses in broad-leaved forests (see Oosterbroek (2024) for more details).

***Tipula* (*Lunatipula*) *selene* Meigen, 1830**

Material examined: AK, Oslo: Marienlyst, 14 June 2019, 1♂, N, leg./det. TH.

***Tipula* (*Pterelachisus*) *pabulina* Meigen, 1818**

Material examined: AAY, Grimstad: Hesnes, Sandum, 16 May 2017, 1♂, N, leg./det. TH.

Comment: This record from **AAY** represents a new Strand-region. *T. pabulina* is otherwise recorded only from **AK** and **BØ** (Hofsvang *et al*. 2019).

***Tipula* (*Pterelachisus*) *submarmorata* Schummel, 1833**

Material examined: AK, Oslo, Alna-elva nedenfor Bryn, 23–31 May 2017, 2♂♂, MT, leg./det. TH.

***Tipula* (*Savtshenkia*) *confusa* van der Wulp, 1883**

Material examined: AAY, Grimstad: Hesnes, Sandum, 18 September 2017, 1♂, 17 September 2021, 1♂, N, leg./det. TH.

***Tipula* (*Savtshenkia*) *pagana* Meigen, 1818**

Material examined: AK, Oslo: Alna-elva nedenfor Bryn, 28 August–4 October 2017, 1♂, MT, leg./det. TH.

***Tipula* (*Tipula) paludosa* Meigen, 1830**

Material examined: AK: Nesodden, Lyngveien, 1 August 2024, 1♂, 5 August 2024, 1♂, N, leg. JH/det. TH; **AAY**, Grimstad: Hesnes, Sandum, 24 July 2020, 1♂, 13 August 2020, 1♂, 17 September 2021, 1♂, 15 August 2024, 2♂♂, N, leg./det. TH.

***Tipula* (*Tipula) subcunctans* Alexander, 1921**

Material examined: AAY, Grimstad: Hesnes, Sandum, 13 October 2018, 1♂, N, leg./det. TH.

Comment: This is the second record from **AAY** (Artsdatabanken 2025).

***Tipula* (*Vestiplex*) *scripta* Meigen, 1830**

Material examined: AAY, Grimstad: Hesnes, Sandum 12 July 2021, 1♂, 21 July 2024, 1♂, 28 July 2024, 1♂, N, leg./det. TH.

***Tipula* (*Yamatotipula*) *lateralis* Meigen, 1804**

Material examined: AK, Nesodden: Lyngveien, 1 August 2024, 1♂, N, leg. JH/det. TH.

Discussion

According to Hofsvang *et al*. (2019) 106 species of Tipulidae have been recorded in Norway. Since then, six species new to Norway are published: *Tipula* (*Pterelachisus*) *wahlgreni* Lackschewitz, 1925 (Olsen & Andersen 2022), *Ctenophora* (*Cnemoncosis*) *festiva* Meigen, 1804, *Prionocera abscondita* Lackschewitz, 1933, *Tipula* (*Lunatipula*) *cava* Riedel, 1913, *Tipula* (*Vestiplex*) *balioptera* Loew, 1863 and *Tipula* (*Yamatotipula*) *freyana freyana* Lackschewitz, 1936 (Kolcsár *et al*. 2023). With the record of *T. peliostigma* presented here, the total number of Tipulidae in Norway then adds up to 113.

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