Superfamily **Proctotrupoidea**

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Recent phylogenetic studies suggest that the Proctotrupoidea should be broken up as it is not a monophyletic taxon (e.g. Rasnitsyn, 1988; Ronquist *et al.*, 1999; Dowton & Austin, 2001). The Proctotrupoidea as presently defined (e.g. Sharkey, 2007) now comprises the Heloridae and Proctotrupidae and the extralimital families Austroniidae, Pelecinidae, Peradeniidae, Proctorenyxidae, Roproniidae and Vanhorniidae.

Family **Heloridae** Förster, 1856[[1]](#footnote-1)

***Helorus*** Latreille, 1802

 *COPELUS* Provancher, 1881

***anomalipes*** (Panzer, 1798, *Sphex*) E I

 *ater* Latreille, 1802

 *paradoxus* (Provancher, 1881, *Copelus*)

 ?*bifoveolata* Gregor, 1938

 ?*nigrotibia* Hellén, 1941

***nigripes*** Förster, 1856 E

 *rugosus* Thomson, 1858

***ruficornis*** Förster, 1856 E I

 *coruscus* Haliday, 1857

 *corruscus* misspelling

 *flavipes* Kieffer, 1907

Family **Proctotrupidae** Latreille, 1802[[2]](#footnote-2)

***Brachyserphus*** Hellén, 1941

***parvulus*** (Nees, 1834, *Codrus*) E I

***Codrus*** Panzer, 1801

***niger*** Panzer, 1805 E I

***picicornis*** (Förster, 1856, *Disogmus*)[[3]](#footnote-3) E I

 *subcompressus* (Hedicke, 1927, *Phaenoserphus*)

 *vexator* (Nixon, 1938, *Phaenoserphus*)

 *subclavatus* (Hellén, 1941, *Phaenoserphus*)

***Cryptoserphus*** Kieffer, 1907

***aculeator*** (Haliday, 1839, *Proctotrupes*) E S I

*ater* (Nees, 1834, *Codrus*) preocc.

 *perrisi* (Kieffer, 1908, *Seprhus*)

 *deshii* Drake, 1970, *Cryptoserphus*

***dilatus*** Townes, 1981 I added by Townes & Townes (1981)

***flavipes*** (Provancher, 1881, *Proctotrupes*) I

*brevimanus* (Kieffer, 1908, *Serphus*)

 *longicalcar* (Kieffer, 1908, *Serphus*)

*cumaeus* Nixon, 1938

*fungorum* Szelényi, 1940

***longitarsis*** (Thomson, 1858, *Proctotrupes*) I

***Disogmus*** Förster, 1856

***areolator*** (Haliday, 1839, *Proctotrupes*) E S I

 *aequator* Förster, 1856

 *discrepator* Förster, 1856

 *elegans* (Thomson, 1858, *Proctotrupes*)

 *nigripennis* (Thomson, 1858, *Proctotrupes*)

 *canadensis* Harrington, 1900

 *diversicornis* Kieffer, 1906

 *glabratus* Kieffer, 1906

 *carinatus* Kieffer, 1907

 *torvus* Whittaker, 1930

***basalis*** (Thomson, 1858, *Proctotrupes*) E S I

 *fuscitarsis* Kieffer, 1907

***exallonyx*** Kieffer, 1904

Subgenus ***exallonyx*** Kieffer, 1904

***ater*** (Gravenhorst, 1807, *Codrus*) E I

 *aterrimus* (Dalla Torre, 1898, *Proctotrypes*)

*xanthocerus*Kieffer, 1908

 *filicornis* Kieffer, 1908

 *syriacus* Kieffer, 1908

 *gracilis* Nixon, 1938

***brevimala*** Townes, 1981 E I added by Townes & Townes (1981)

***confusus*** Nixon, 1938 E I

***crenicornis*** (Nees 1834, *Codrus*) E S[[4]](#footnote-4)

 *clavipes* (Thomson, 1858, *Proctotrupes*)

*donisthorpei*Kieffer, 1908

*fumipennis*Kieffer, 1908

***formicarius*** Kieffer, 1904 E S I

***ligatus*** (Nees, 1834, *Codrus*) E I

***longicornis*** (Nees, 1834, *Codrus*) S I

 *micrurus* (Keiffer, 1908, *Serphus*)

***microcerus*** Kieffer, 1908[[5]](#footnote-5) E I

 *hyalinipennis* Kieffer, 1908

***minor*** Townes, 1981 E S I

***nixoni*** Townes, 1981 E

***pallidistigma*** Morley, 1922 E I

 *niger* misident.

 *milleri* (Tomšík, 1942, *Phaenoserphus*)

***quadriceps*** (Ashmead, 1893, *Proctotrypes*) E S I[[6]](#footnote-6)

 *crassicornis* Kieffer, 1908[[7]](#footnote-7)

 *hyalinipennis* (Morley, 1922, *Proctotrypes*)[[8]](#footnote-8)

***subserratus*** Kieffer, 1908 E I

*curtigena* Nixon, 1938

***trichomus*** Townes, 1981 E I added by Townes & Townes (1981)

***trifoveatus*** Kieffer, 1908 E I added by Townes & Townes (1981)

 *talpae* Kieffer, 1908

 *borneanus* (Cameron, 1912, *Proctotrypes*)

 *reicherti* (Enderlein, 1916, *Proctotrupes*)

 *parvulus* Brues, 1919

 *philonthiphagus* Williams, 1932

***wasmanni*** Kieffer, 1904 E I[[9]](#footnote-9)

 *myrmecophilus* Kieffer, 1904

 *socialis* Kieffer, 1908

Subgenus ***EOCODRUS*** Pschorn-Walcher, 1958

***brevicornis*** (Haliday, 1839, *Proctotrupes*) E S I

*lineata* Kieffer, 1908

Unplaced species of *Exallonyx*

[***leviventris*** Kieffer, 1908 nom. dub. E]

***mischoserphus*** Townes, 1981

***arcuator*** (Stelfox, 1950, *Cryptoserphus*) I

 *ione* (Kozlov, 1971, *Cryptoserphus*)

***Paracodrus*** Kieffer, 1907

***apterogynus*** (Haliday, 1839, *Proctotrupes*) I

 *albipennis* (Thomson, 1858, *Codrus*)

 *bethyliformis* Kieffer, 1907

***Parthenocodrus*** Pschorn-Walcher, 1958

 *CRYPTOCODRUS* Pschorn-Walcher, 1958

***elongatus*** (Haliday, 1839, *Proctotrupes*) E I

 *buccatus* (Thomson, 1858, *Proctotrupes*)

***Phaenoserphus*** Kieffer, 1908

 *CARABIPHAGUS* Morley, 1931

***chittii*** (Morley, 1922, *Proctotrypes*) E I

*dubiosus* Nixon, 1938

***fuscipes*** (Haliday, 1839, *Proctotrupes*) S I

***gregori*** Tomšík, 1942 I

***pallipes*** (Jurine, 1807, *Codrus*) E I

 *rufipes* (Brullé, 1846, *Proctotrupes*)

 *testaceicornis* (Kieffer, 1908, *Serphus*)

***viator*** (Haliday, 1839, *Proctotrupes*) E I

 *curtipennis* (Haliday, 1839, *Proctotrupes*)

 *laevifrons* (Förster, 1861, *Proctotrupes*)

 *sixianus* (Vollenhoven, 1879, *Proctotrypes*)

***PHANEROSERPHUS*** Pschorn-Walcher, 1958

***calcar*** (Haliday, 1839, *Proctotrupes*) E S I

 *calcaratus* (Thomson, 1858, *Proctotrupes*)

 *seticornis* (Thomson, 1858, *Proctotrupes*)

 *areolatus* (Kieffer, 1908, *Serphus*)

 *castaneus* (Kieffer, 1908, *Serphus*)

[***cristatus*** Townes, 1981[[10]](#footnote-10)]

***Proctotrupes*** Latreille, 1796

 *SERPHUS* Schrank, 1780 suppressed

*ERODORUS* Walckanaer, 1802

*PROCTRUPES* Rafinesque, 1815

 *PROCTOTRYPES* Aggasiz, 1846

 *PROCTOTROPIS* Gistel, 1848

***brachypterus*** (Schrank, 1780, *Serphus*) E I

*divagator* (Olivier, 1792, *Ichneumon*)

*campanulator* (Fabricius, 1798, *Ichneumon*)

*emarciator* (Fabricius, 1798, *Ichneumon*)

*bimaculatus* (Walckenaer, 1802, *Erodorus*)

*brevipennis* Latreille, 1802

*bicolor* Haliday, 1839

*gladiator* Haliday, 1839

*sulcatus* (Kieffer, 1908, *Serphus*)

*hofferi* (Tomšík, 1944, *Serphus*)

*azarbajdzhanicus* (Samedov, 1954, *Serphus*)

***gravidator*** (Linnaeus, 1758, *Ichneumon*)[[11]](#footnote-11) E I

*meridionalis* Gribodo, 1880

*rufigaster* Provancher, 1881

*collaris* Szépligeti, 1901

*suzukii* Matsumura, 1912

*zabriskiei* (Brues, 1919, *Serphus*)

***TRETOSERPHUS*** Townes, 1981

***laricis*** (Haliday, 1839, *Proctotrupes*) E I

*nigricauda* (Kieffer, 1908, *Serphus*)

 *melanderi* (Brues, 1919, *Cryptoserphus*)

***perkinsi*** (Nixon, 1942, *Cryptoserphus*) E I

species excluded from the British and Irish list

[***foveolatus*** (Möller, 1882, *Proctotrupes*)[[12]](#footnote-12)]

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1. Distribution data from Townes (1977), Fergusson & Smith (1974), Cooter & Fergusson (1993) and O’Connor *et al.* (2004). [↑](#footnote-ref-1)
2. Distribution data from Townes & Townes (1981) and O’Connor *et al.* (2004). [↑](#footnote-ref-2)
3. Listed as *Phaenoserphus subcompressus* in Fergusson(1978). [↑](#footnote-ref-3)
4. Listed, as *Codrus fumipennis* (Kieffer), as doubtfully British by Fergusson(1978); status as a British species confirmed by Townes & Townes (1981). [↑](#footnote-ref-4)
5. Listed as a synonym of *formicarius* in Fergusson (1978). [↑](#footnote-ref-5)
6. Recorded by Townes & Townes (1981). [↑](#footnote-ref-6)
7. Listed as a queried synonym of *ater* in Fergusson(1978). [↑](#footnote-ref-7)
8. Listed as a synonym of *ligatus* in Fergusson (1978). [↑](#footnote-ref-8)
9. Although excluded from the Irish list by O’Connor *et al.* (2004), the locality ‘Tanrego’ quoted by Townes & Townes (1981) refers to an estate in Sligo. [↑](#footnote-ref-9)
10. Fauna Europaea lists *Phaneroserphus cristatus* as occurring in Britain and France but Townes & Townes (1981) state that this species is only found in Japan, and no literature citations for its European occurrence can be traced. [↑](#footnote-ref-10)
11. *Proctotrupes indivisus* (Kieffer, 1908, *Serphus*) removed from synonymy by Notton (2007). [↑](#footnote-ref-11)
12. Listed as British by Fergusson (1978) as *perkinsi* was then considered to be a junior synonym of *foveolatus*. [↑](#footnote-ref-12)