1		Basal vein present and giving rise to a vein or stub; tarsal claws strongly curved (Bethylinae) Basal vein simple or absent, or wingless; tarsal claws weakly curved	2. 16.
2	(1).	Cell 2R1 (radial cell) of fore wing fully closed or nearly so, vein R bent up apically at a right angle; areolet closed; maxillary palpi with four segments and labial palpi with two (first segment of each usually hidden) Cell 2R1 broadly open , vein R obtusely bent up and ending remote from wing margin; areolet variable; palpi variable, usually maxillary palpi with five segments and labial palpi with three	Sierola 3.
3	(2).	Areolet open (Goniozus s.s.) Areolet closed (Parasierola)	4 . 9 .
4	(3).	Clypeus very short, almost truncate; frons strongly shining, polished, microsculpture very faint Clypeus prominent, semicircular or slightly angulate; frons with distinct microreticulation even if smooth	Goniozus aethiops 5.
5 -	(4).	Clypeus nearly flat with only a trace of a carina; ocelli enlarged (males only) Clypeus with a sharp carina, relatively elongate; ocelli normal	Goniozus nr. floridanus male 6.
6	(5).	Mandible black; clypeus in profile blunt and slightly recurved apicoventrally, apical angle obtuse; maxillary palpi four-segmented, two obvious segments beyond the bend; propodeum without a posterior transverse carina; antennal scrobes distinctly carinate; head narrower and more compressed, WH/LH 0.79-0.84 Mandible yellow; clypeus in profile evenly curved to elongate, apical angle acute to right; maxillary palpi five-segmented, three obvious segments beyond the bend; propodeum with a posterior transverse carina; antennal scrobes not carinate; head broader and deeper, WH/LH 0.86-0.90	7.8.
7	(6).	Rs+M stub vein relatively elongate, about as long as Rs from their junction to the prostigma; larger, LM 0.78-0.83 mm, LFW 1.52-1.64 mm	Goniozus foveolatus
_		Rs+M stub vein very short, less than twice its width, about half as long as Rs from their junction to the prostigma; very small, LM 0.57-0.69 mm, LFW 1.10-1.30 mm	Goniozus nr. hortorum
8	(6).	Clypeus in profile elongate, beak-like, apical angle strongly acute; vertex around lateral ocelli carinate but straight, not reflexed upward; fore femur moderately broad, FL/FW 1.9-2.0 Clypeus in profile evenly curved, apical angle right to weakly acute; vertex around lateral ocelli slightly sinuate in face view and slightly reflexed upward; fore femur strongly expanded, FL/FW 1.6-1.7	Goniozus cf. floridanus Goniozus cf. hubbardi
9	(3).	Head behind the eyes extremely short, less than half eye height; clypeus weakly carinate Head behind the eyes at least half eye height; clypeus distinctly carinate	Parasierola gracilicornis 10.
10 _	(9).	Head large and quadrate; clypeus short and very broadly rounded, carina low, consisting of a short ridge Head rounded, not particularly large; clypeus elongate, semicircular to rounded triangular, carina high and prominent	Parasierola rivularis 11.
13	(10).	Frons densely punctate all over, mostly about 1 pit width apart; median and submedian wing cells densely setose	Parasierola B

-		Frons densely punctate just above antennae, becoming sparser towards ocelli; median wing cell with one row of setae, submedian cell with two	14.
14 -	(13).	Coxae and femora dark brown to black; large species Legs all yellow; small	Parasierola emigratus Parasierola scitulus
16	(1).	Mesepisternum smooth, without grooves or foveae; mostly small species, females sometimes with an enlarged metasoma; sometimes wingless (Scleroderminae) Mesepisternum with distinct grooves outlining foveae; size variable, mostly larger species; metasoma not enlarged, only slightly wider than mesosoma; always	17.
17 -	(16).	winged (Epyrinae) Antenna with 13 segments; size variable; fore wing, if present, always with at least one closed cell Antenna with 12 segments; very small; fore wing venation reduced, usually without closed cells, at most with one	28.18.22.
18 -	(17).	Head and body extremely flattened, eye occupying entire height of head in lateral view Head and body not extremely flattened, gena obvious below eye in lateral view	19. 20.
19 –	(18).	Prosternum large, pentagonal, larger than procoxae Prosternum normal, relatively small and inconspicuous	Megaprosternum sp. nov. 19 cf. Alongatepyris?
20 -	(18).	Head large and rectangular; mandible thin and elongate, with 2-3 teeth; always(?) winged Head rounded; mandible stout; females usually wingless, males usually winged	Allobethylus ewa 21.
21 -	(20).		Sclerodermus Nothepyris?
_		Frons produced into a prominent projection over the clypeus and antennal bases Frons without such a projection	
- 22 -	(17).	· · · · · · · · · · · · · · · · · · ·	Nothepyris? 23.
- 22 - 23 -	(17). (22).	Frons without such a projection Radial vein absent, fore wing with only the basal vein visible as a fold; female head and mesosoma pale, testaceous to bright yellow, male head dark brown, mesosoma yellowish brown; head about 1.3 times as long as wide Radial vein present in the fore wing; body entirely black; head about as long as wide (not currently established but widely introduced for biological control of coffee	Nothepyris? 23. 24. Prorops sp. nov. 25
- 22 - 23 - 24 -	(17). (22). (22).	Frons without such a projection Radial vein absent, fore wing with only the basal vein visible as a fold; female head and mesosoma pale, testaceous to bright yellow, male head dark brown, mesosoma yellowish brown; head about 1.3 times as long as wide Radial vein present in the fore wing; body entirely black; head about as long as wide (not currently established but widely introduced for biological control of coffee berry borer) Body yellow except apex of metasoma; females sometimes wingless	Nothepyris? 23. 24. Prorops sp. nov. 25 Prorops nasuta 25. 26. Cephalonomia gallicola
- 22 - 23 - 24 - 25 -	(17). (22). (22).	Radial vein absent, fore wing with only the basal vein visible as a fold; female head and mesosoma pale, testaceous to bright yellow, male head dark brown, mesosoma yellowish brown; head about 1.3 times as long as wide Radial vein present in the fore wing; body entirely black; head about as long as wide (not currently established but widely introduced for biological control of coffee berry borer) Body yellow except apex of metasoma; females sometimes wingless Body dark brown to black; both sexes fully winged Head broad, WH/LH 0.82-0.84; posterodorsal corners of propodeum acute, slightly spinose; females always apterous, males winged Head extremely narrow, WH/LH 0.62-0.66; propodeum with corners posterodorsally	Nothepyris? 23. 24. Prorops sp. nov. 25 Prorops nasuta 25. 26. Cephalonomia gallicola

28 _	(16).	Scutellum basally with a transverse groove, straight or deflected backward at each end, with or without a thin median partition; notauli absent or represented only by very faint anterior lines Scutellum with a pair of basal pits, either completely separate or connected by a very thin and shallow line; notauli distinct, represented by elongate, lanceolate or	29.
		teardrop-shaped grooves	33.
29 _	(28).	Radial vein short, at most slightly longer than basal vein; body and wing veins with strong black setae Radial vein much longer than basal vein; setae mostly pale except on apical segments of metasoma	Laelius centratus?
30	(29).	Pronotum and mesoscutum each with a transverse line of small foveae; propodeum with 9 discal carinae; large species Pronotum and mesoscutum without foveate lines; propodeum with only 3 discal carinae; smaller species. Holepyris	Formosiepyris malihini 31.
31 -	(30).	Lateral lobes of clypeus mostly concealed under the antennal bases in dorsal view; frons relatively smooth, somewhat shining Clypeus conspicuously protruding, lateral lobes nearly as long as median lobe,	Chlorepyris sp.
		conspicuous in dorsal view; frons coriaceous to granular	32.
32	(31).	Scutellar groove divided by a narrow septum; frons punctation distinct, fine and dense; antennae not dark apically Scutellar groove undivided; frons punctation obscured by densely granular	Holepyris hospes
_		sculpture; antennae dark apically	Holepyris glabratus
33	(28).	Apical segments of metasoma red; notauli close together and broad posteriorly, teardrop-shaped, separated by less than their width; mesopleural pit obsolete, represented by a broad, shallow depression with rugose sculpture; large species (males very rare) Body entirely black; notauli separated by much more than their posterior width, linear or narrowly lanceolate; mesopleural pit distinct, or if reduced then not surrounded by a coarsely rugose area; size variable	Epyris sp. A 34.
-	(33).	Large species: WL>3.0 mm and TL>2.0 mm in females, WL>2.5 mm and TL>1.5 mm in males; mesopleural pit consisting of a rugose depression, mesopleuron above pit convex and strongly shining; head and pronotum smooth and shining, especially in male; female with flattened, twisted mandible, apically rounded with teeth inward and subapical, and with front tarsi slightly flattened and with spathulate posteroapical spines; submedian cell nearly glabrous in female, densely setose in male Smaller species: WL<2.5 mm and TL<1.5 mm in both sexes; mesopleural pit deep, distinct; both sexes with mandible normal, front legs unarmed, and wing cells densely setose; sculpture variable, head, pronotum, and mesopleuron often at least slightly coriaceous	Trachepyris extraneus 35.
35 -	(34).	Females; head dorsally strongly shining, smooth with only a faint microreticulate pattern Males; head dorsally coriaceous, with distinct texture even if slightly shining	36. 39.
36	(35).	Head narrow, WH/LH ~0.83; metapostnotum coarsely lineate-rugose laterad of median carina; head smooth and shining dorsally	37.
		Head rather broad, WH/LH 0.88-0.93; metapostnotum with a relatively fine, regular mesh-like pattern of reticulation, laterally finely striate; head microsculpture variable	38.

37 (35). –	Submedian carina distinct basally as a lineate ruga separating the metapostnotum from the lateral propodeum; larger species, LFW ~2.2 mm, LH ~0.80 mm Submedian carina indistinct, metapostnotum and lateral propodeum distinguished only by the difference in sculpture; smaller species, LFW 1.7-1.8 mm, LH ~0.64-0.68 mm	Epyris sepulchralis (sp. C) Epyris sp. F
38 (35). -	Frons conspicuously setose, arising from punctures irregularly 1-3 pit widths apart; mandible black; vertex without grooves near ocelli; drop between lateral ocelli and occipital carina short and indistinct Frons sparsely setose, punctures nearly all 3 or more pit widths apart; mandible orange; vertex with distinct grooves extending laterad from the lateral ocelli; a prominent vertical ledge present between lateral ocelli and occipital carina	Epyris californicus (sp. B) Epyris cariniceps (sp. H)
39 (35). –	Frons microsculpture coriaceous, with distinct texture but slightly shining; eyes strongly protruding in dorsal view; head strongly convex in lateral view, DH/LH ~0.54 Frons microsculpture coarsely granular; eyes not strongly protruding in dorsal view; head weakly convex in lateral view and compressed, DH/LH 0.48-0.50	Epyris californicus (sp. D) 40.
40 (39). –	Frons appearing almost impunctate, with short setae arising from indistinct pits that are mostly obscured by microsculpture; occiput evenly rounded, without a distinct posterior vertical face Frons distinctly punctate; occiput somewhat squared in lateral view, with a vertical face above the occipital carina	Epyris cariniceps (sp. I) Epyris sepulchralis (sp. G)