

SUPPLEMENTARY MATERIAL

Morphological phylogenetics of the Tenthredinidae (Insecta : Hymenoptera)

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Table S1. Material examined

Taxon	Author	Biogeographic region	Specimens
XYELIDAE			
Macroxyelinae			
<i>Macroxyela ferruginea</i>	(Say, 1824)	Nearctic	2♀♀
Xyelinae			
<i>Xyela julii</i>	(Brébisson, 1818)	Palaearctic	2♀♀, 1♂
PAMPHILIIDAE			
Pamphiliinae			
<i>Onycholyda amplecta</i>	(Fabricius, 1804)	Nearctic	2♀♀
CEPHIDAE			
Cephinae			
<i>Cephus pygmeus</i>	(Linné, 1767)	Palaearctic	2♀♀

SIRICIDAE

Siricinae

<i>Urocerus gigas</i>	(Linné, 1758)	Palaearctic	3♀♀
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ARGIDAE

Arginae

<i>Arge ustulata</i>	(Linné, 1758)	Palaearctic	2♀♀
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Sterictiphorinae

<i>Aproceros leucopoda</i>	Takeuchi, 1939	Palaearctic	2♀♀
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<i>Sterictiphora furcata</i>	(Villers, 1789)	Palaearctic	1♀, 1♂
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BLASTICOTOMIDAE

<i>Blasticotoma filiceti</i>	Klug, 1834	Palaearctic	1♀
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<i>Blasticotoma filiceti pacifica</i>	Malaise, 1931	Palaearctic	1♀
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<i>Runaria reducta</i>	Malaise, 1931	Palaearctic	2♀♀
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CIMBICIDAE

Abiinae

<i>Abia fasciata</i>	(Linné, 1758)	Palaearctic	1♀
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Cimbicinae

<i>Cimbex femoratus</i>	(Linné, 1758)	Palaearctic	1♀
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Coryninae

<i>Corynis crassicornis</i>	(Rossi, 1790)	Palaearctic	1♀, 1♂
Pachylostictinae			
<i>Pachylosticta albiventris</i>	Klug, 1824	Neotropic	2♀♀
DIPRIONIDAE			
Diprioninae			
<i>Diprion pini</i>	(Linné, 1758)	Palaearctic	1♀, 1♂
<i>Gilpinia polytoma</i>	(Hartig, 1834)	Palaearctic	1♀
<i>Neodiprion sertifer</i>	(Geoffroy, 1785)	Palaearctic	2♀♀
Monoceteninae			
<i>Monocetus juniperi</i>	(Linné, 1758)	Palaearctic	1♀, 2♂♂
PERGIDAE			
Acordulecerinae			
<i>Acordulecera dorsalis</i>	Say, 1836	Nearctic	1♀
Conocoxinae			
<i>Conocoxa</i> sp.		Neotropic	1♀, 1♂
Perginae			
<i>Perga dorsalis</i>	Leach, 1817	Australasian	1♀, 1♂
Perreyinae			
<i>Heteroperreyia hubrichi</i>	Malaise, 1955	Neotropic	2♀♀

Phylacteophaginae

Phylacteophaga frogatti Riek, 1955 Australasian 2♀♀

Pteryperginae

Lophyrotoma analis (Costa, 1864) Australasian 1♂

TENTHREDINIDAE

Allantinae

<i>Acidiophora gecera</i>	Smith, 1972	Neotropic	1♀, 1♂
<i>Allantus cinctus</i>	(Linné, 1758)	Palaearctic	1♀, 1♂
<i>Allantus viennensis</i>	(Schrank, 1781)	Palaearctic	2♀♀
<i>Allantus</i> sp.		Palaearctic	2♂♂
<i>Ametastegia glabrata</i>	(Fallén, 1808)	Palaearctic	1♀
<i>Ametastegia pallipes</i>	(Spinola, 1808)	Palaearctic	2♀♀
<i>Apethymus serotinus</i>	(Müller, 1776)	Palaearctic	1♀, 1♂
<i>Athalia rosae</i>	(Linné, 1758)	Palaearctic	2♀♀
<i>Dimorphopteryx pinguis</i>	(Norton, 1860)	Nearctic	1♀, 1♂
<i>Empria</i> sp.		Palaearctic	2♀♀
<i>Eopsis beumonti</i>	Benson, 1959	Palaearctic	1♂
<i>Eriocampa ovata</i>	(Linné, 1760)	Palaearctic	2♀♀
<i>Harpiphorus lepidus</i>	(Klug, 1818)	Palaearctic	2♀♀

<i>Macremphytus testaceus</i>	(Norton, 1861)	Nearctic	1♀, 1♂
<i>Monostegia abdominalis</i>	(Fabricius, 1798)	Palaearctic	1♀
<i>Monsoma pulveratum</i>	(Retzius, 1783)	Palaearctic	1♀
<i>Neaciophora bellicornis</i>	(Konow, 1907)	Afrotropical	2♂♂
<i>Pseudosiobla excavata</i>	(Norton, 1862)	Nearctic	1♀, 1♂
<i>Taxonus agrorum</i>	(Fallén, 1808)	Palaearctic	2♀♀
<i>Taxonus alboscutellatus</i>	Niezabitowski, 1899	Palaearctic	1♀, 1♂
<i>Xenapates braunsi</i>	(Konow, 1896)	Afrotropical	1♀, 1♂
Blennocampinae			
<i>Ardis pallipes</i>	(Serville, 1823)	Palaearctic	1♀, 1♂
<i>Blennocampa phyllocolpa</i>	Viitasaari and Vikberg, 1985	Palaearctic	2♀♀
<i>Blennogeris spissipes</i>	(Cresson, 1880)	Nearctic	1♀, 1♂
<i>Cladardis elongatula</i>	(Klug, 1817)	Palaearctic	2♀♀, 2♂♂
<i>Claremontia alternipes</i>	(Klug, 1816)	Palaearctic	2♀♀, 2♂♂
<i>Distega</i> sp.		Afrotropical	2♂♂
<i>Eutomostethus ephippium</i>	(Panzer, 1798)	Palaearctic	2♀♀
<i>Halidamia affinis</i>	(Fallén, 1807)	Palaearctic	2♀♀
<i>Monophadnus pallescens</i>	(Gmelin, 1790)	Palaearctic	2♀♀
<i>Paracharactus rufus</i>	(Norton, 1861)	Nearctic	1♀, 1♂

<i>Pareophora pruni</i>	(Linné, 1758)	Palaearctic	1♀, 1♂
<i>Periclista albida</i>	(Klug, 1816)	Palaearctic	1♀, 1♂
<i>Phymatocera aterrima</i>	(Klug, 1816)	Palaearctic	2♀♀, 1♂
<i>Rhadinoceraea nodicornis</i>	Konow, 1886	Palaearctic	2♀♀
<i>Selandriopsis tenebrosa</i>	(Benson, 1966)	Palaearctic	2♀♀
<i>Stethomostus fuliginosus</i>	(Schrank, 1781)	Palaearctic	2♀♀
<i>Tethida barda</i>	(Say, 1836)	Nearctic	1♀, 1♂
<i>Waldheimia carbonaria</i>	(Cresson, 1880)	Nearctic	1♀, 1♂
<i>Waldheimia devotoi</i>	Jørgensen, 1913	Neotropic	1♀, 1♂
<i>Waldheimia ochra</i>	(Norton, 1867)	Neotropic	1♀, 1♂
Heterarthrinae			
<i>Caliroa cerasi</i>	(Linné, 1758)	Palaearctic	1♀
<i>Endelomyia aethiops</i>	(Gmelin, 1790)	Palaearctic	1♀, 1♂
<i>Fenusia pumila</i>	Leach, 1817	Palaearctic	1♀
<i>Heterarthrus vagans</i>	(Fallén, 1808)	Palaearctic	2♀♀, 1♂
<i>Metallus pumilus</i>	(Klug, 1816)	Palaearctic	2♀♀
<i>Nefusa ambigua</i>	(Norton, 1867)	Nearctic	1♀, 1♂
<i>Notofenusia surosa</i>	(Konow, 1905)	Neotropic	2♂♂
<i>Parna tenella</i>	(Klug, 1816)	Palaearctic	2♀♀

<i>Profenus pygmaea</i>	(Klug, 1816)	Palaearctic	2♀♀
Nematinae			
<i>Amauronematus amplus</i>	Konow, 1895	Palaearctic	2♀♀
<i>Cladius compressicornis</i>	(Fabricius, 1804)	Palaearctic	2♀♀
<i>Cladius pectinicornis</i>	(Geoffroy, 1785)	Palaearctic	1♀, 1♂
<i>Craesus septentrionalis</i>	(Linné, 1758)	Palaearctic	1♀
<i>Craterocercus fraternalis</i>	(Norton, 1872)	Nearctic	1♀, 1♂
<i>Dineura pullior</i>	Schmidt and Walter, 1995	Palaearctic	2♀♀
<i>Dineura virididorsata</i>	(Retzius, 1783)	Palaearctic	1♀
<i>Fagineura crenativora</i>	Vikberg and Zinovjev, 2000	Palaearctic	1♀, 1♂
<i>Hemicroa australis</i>	(Serville, 1823)	Palaearctic	2♀♀
<i>Hoplocampa</i> sp.		Palaearctic	1♀
<i>Nematinus steini</i>	Blank, 1998	Palaearctic	1♀
<i>Nematus caeruleocarpus</i>	Hartig. 1837	Palaearctic	1♀
<i>Neopareophora litura</i>	(Klug, 1816)	Nearctic	1♀, 1♂
<i>Pachynematus clitellatus</i>	(Serville, 1823)	Palaearctic	1♀, 1♂
<i>Pikonema alaskense</i>	(Rohwer, 1911)	Nearctic	1♀, 1♂
<i>Pontania proxima</i>	(Serville, 1823)	Palaearctic	1♀, 1♂
<i>Pristicampus incisus</i>	(Lindqvist, 1970)	Palaearctic	2♀♀

<i>Pristiphora angulata</i>	Lindqvist, 1974	Palaearctic	1♀, 1♂
<i>Pseudodineura fuscula</i>	(Klug, 1816)	Palaearctic	2♀♀
<i>Susana annulata</i>	Smith, 1969	Nearctic	1♀, 1♂
Selandriinae			
<i>Adelesta nova</i>	(Norton, 1867)	Nearctic	2♀♀
<i>Adiaclema nigripectus</i>	(Enderlein, 1920)	Neotropic	1♀, 1♂
<i>Aneugmenus padi</i>	(Linné, 1760)	Palaearctic	2♀♀
<i>Canonias inopinus rufiventris</i>	Malaise, 1947	Palaearctic	1♀, 1♂
<i>Dolerus nitens</i>	Zaddach, 1859	Palaearctic	2♀♀
<i>Dolerus pratensis</i>	(Linné, 1758)	Palaearctic	2♀♀
<i>Dulophanes</i> sp.		Afrotropical	1♀, 1♂
<i>Heptamelus dahlbomi</i>	(Thomson, 1870)	Palaearctic	2♀♀
<i>Heptamelus</i> sp.		Palaearctic	1♀, 1♂
<i>Nesoselandria morio</i>	(Fabricius, 1781)	Palaearctic	2♀♀
<i>Plaumanniana aemula</i>	(Konow, 1899)	Neotropic	1♀, 1♂
<i>Proselandria roseomaculata</i>	(Enderlein, 1920)	Neotropic	1♀
<i>Pseudoheptamelus runari</i>	Conde, 1932	Palaearctic	1♀, 1♂
<i>Rocalia japonica</i>	Naito, 1988	Palaearctic	1♀, 1♂
<i>Selandria serva</i>	(Fabricius, 1793)	Palaearctic	2♀♀

<i>Stromboceridia nigricans</i>	(Norton, 1868)	Nearctic	1♀, 1♂
<i>Strombocerus delicatulus</i>	(Fallén, 1808)	Palaearctic	2♀♀
<i>Strongylogaster multifasciata</i>	(Geoffroy, 1785)	Palaearctic	1♀, 1♂
Tenthredininae			
<i>Aglaostigma fulvipes</i>	(Scopoli, 1763)	Palaearctic	2♀♀
<i>Corymbas koreana</i>	Konow, 1903	Palaearctic	1♀, 1♂
<i>Filacus albipes</i>	(Provancher, 1895)	Nearctic	1♀, 1♂
<i>Lagium atroviolaceum</i>	(Norton, 1860)	Nearctic	1♀, 1♂
<i>Leucopelmonus annulicornis</i>	(Harrington, 1893)	Nearctic	1♀, 1♂
<i>Macrophya duodecimpunctata</i>	(Linné, 1758)	Palaearctic	2♀♀
<i>Pachyprotasis rapae</i>	(Linné, 1767)	Palaearctic	2♀♀
<i>Perineura rubi</i>	(Panzer, 1803)	Palaearctic	1♀, 1♂
<i>Rhogogaster punctulata</i>	(Klug, 1817)	Palaearctic	2♀♀, 2♂♂
<i>Rhogogaster viridis</i>	(Linné, 1758)	Palaearctic	2♀♀
<i>Sciapteryx consobrina</i>	(Klug, 1816)	Palaearctic	1♀, 1♂
<i>Siobla sturmi</i>	(Klug, 1817)	Palaearctic	1♀, 1♂
<i>Tenthredo koehleri</i>	Linné, 1758	Palaearctic	2♂♂
<i>Tenthredo scrophulariae</i>	Klug, 1817	Palaearctic	2♀♀, 1♂
<i>Tenthredopsis ornata</i>	(Serville, 1823)	Palaearctic	2♀♀

Zaschizonyx montana

(Cresson, 1865)

Nearctic

1♀, 1♂
