Table S1. Chironomidae taxa list identified in investigated ecoregions. ER5-Dinaric Western Balkan, ER7-Eastern Balkan, ER11-Pannonian Lowland.

Taxa	Ecoregion
Ablabesmyia longistyla Fittkau, 1962	ER5
Apsectrotanypus sp.	ER11
Apsectrotanypus trifascipennis (Zetterstedt, 1838)	ER11
Clinotanypus nervosus (Meigen, 1818)	ER11
Conchapelopia agg.	ER5, ER7, ER11
Krenopelopia sp.	ER11
Larsia sp.	ER11
Macropelopia nebulosa (Meigen, 1804)	ER5, ER7
Macropelopia sp.	ER5, ER7, ER11
Natarsia sp.	ER11
Nilotanypus dubius (Meigen, 1804)	ER7, ER11
Paramerina sp.	ER11
Pentaneurella sp.	ER11
Procladius sp.	ER7
Psectrotanypus varius (Fabricius, 1787)	ER5
Schineriella sp.	ER11
Tanypodinae Gen sp.	ER5, ER11
Trissopelopia sp.	ER5
Xenopelopia sp.	ER11
Zavrelimyia sp.	ER5, ER11
Boreoheptagyia monticola (Serra-Tosio, 1964)	ER5
Diamesa insignipes Kieffer, 1908	ER5, ER7
Diamesa permacra (Walker, 1856)	ER11
Diamesa sp.	ER7, ER11
Diamesa tonsa (Haliday, 1856)	ER5, ER7
Diamesa zernyi Edwards, 1933	ER7
Diamesinae Gen sp.	ER11
Monodiamesa bathyphila (Kieffer, 1918)	ER11
Paraboreochlus minutissimus (Strobl, 1894)	ER11
Potthastia longimanus Kieffer, 1922	ER5, ER7, ER11
Potthastia gaedii (Meigen, 1838)	ER7, ER11
Potthastia sp.	ER7
Prodiamesa olivacea (Meigen, 1818)	ER5, ER7, ER11
Brillia bifida (Kieffer, 1909)	ER5, ER7, ER11
Brillia flavifrons (Johannsen, 1905)	ER7
Brillia longifurca Kieffer, 1921	ER11
Brillia sp.	ER11
Chaetocladius dentiforceps gr.	ER5
Chaetocladius sp.	ER11
Corynoneura celeripes Winnertz, 1852	ER11
Corynoneura gr. *scutellata*	ER11
Corynoneura sp.	ER5, ER7, ER11
Cricotopus bicinctus (Meigen, 1818)	ER5, ER7
Cricotopus curtus Hirvenoja, 1973	ER5
Cricotopus sp.	ER7, ER11
Cricotopus tremulus (Linnaeus, 1758)	ER5, ER11

Cricotopus triannulatus agg.	ER11
Cricotopus sp./*Orthocladius* sp.	ER11
Epoicocladius sp.	ER5
Epoicocladius ephemerae (Kieffer, 1924)	ER5, ER7, ER11
Eukiefferiella fittkaui Lehmann, 1972 */minor* Edwards, 1929	ER11
Eukiefferiella lobifera Goetghebuer, 1934	ER5, ER11
Eukiefferiella brevicalcar Kieffer, 1911	ER7, ER11
Eukiefferiella claripennis gr.	ER11
Eukiefferiella dittmari Lehmann, 1972	ER11
Eukiefferiella fittkaui Lehmann, 1972	ER5, ER7
Eukiefferiella brehmi gr.	ER5
Eukiefferiella devonica gr.	ER5, ER7, ER11
Eukiefferiella gracei Edwards, 1929	ER11
Eukiefferiella similis Goetghebuer, 1939	ER11
Eukiefferiella sp.	ER5, ER7, ER11
Eukiefferiella tirolensis Goetghebuer, 1938	ER11
Eukiefferiella tirolensis Goetghebuer, 1938/ *brevicalcar* (Kieffer, 1911)	ER11
Georthocladius sp.	ER11
Gymnometriocnemus sp./*Bryophaenocladius* sp.	ER11
Heleniella ornaticollis (Edwards, 1929)	ER11
Heterotrissocladius marcidus (Walker, 1856)	ER11
Krenosmittia halvorseni (Cranston & Saether, 1986)	ER11
Krenosmittia sp.	ER11
Lymnophyes sp.	ER11
Metriocnemus albolineatus (Meigen, 1818)/ *obscuripes* (Holmgren, 1869)	ER11
Metriocnemus sp.	ER11
Nanocladius balticus (Palmen, 1959)	ER5
Nanocladius rectinervis (Kieffer, 1911)	ER11
Nanocladius sp.	ER11
Orthocladiinae Gen sp.	ER11
Orthocladius (Euorthocladius) sp.	ER11
Orthocladius (Orthocladius) sp.	ER11
Orthocladius (Symposiocladius) lignicola Kieffer, 1914	ER11
Orthocladius (Euorthocladius) ashei (Soponis, 1990)	ER5, ER11
Orthocladius (Mesorthocladius) frigidus (Zetterstedt, 1838)	ER5, ER7, ER11
Orthocladius (Euorthocladius) luteipes Goetghebuer, 1938	ER5
Orthocladius (Euorthocladius) rivulorum Kieffer, 1909	ER11
Orthocladius (Euorthocladius) saxosus (Tokunaga, 1939)	ER5
Orthocladius sp.	ER5, ER7, ER11
Orthocladius (Euorthocladius) thienemanni agg.	ER5, ER7
Orthocladius (Orthocladius) wetterensis Brundin, 1956	ER5
Othocladius (Orthocladius) rubicundus (Meigen, 1818)	ER5, ER11
Paracricotopus sp.	ER11
Parakiefferiella sp.	ER11
Parametriocnemus sp.	ER7, ER11
Parametriocnemus stylatus (Kieffer, 1924)	ER5, ER7, ER11
Paratrichocladius nivalis (Goetghebuer, 1838)	ER7
Paratrichocladius rufiventris (Meigen, 1830)	ER5, ER7
Paratrissocladius excerptus (Walker, 1856)	ER5, ER11
Paraphaenocladius penerasus (Edwards, 1929)	ER11

Paraphaenocladius pseudirritus Strenzke, 1950	ER11
Paraphaenocladius sp.	ER11
Psectrocladius psilopterus (Kieffer, 1906)	ER11
Psectrocladius sp.	ER11
Pseudosmittia sp.	ER11
Rheocricotopus atripes (Kieffer, 1913)	ER11
Rheocricotopus chalybeatus (Edwards, 1929)	ER5
Rheocricotopus effusus (Walker, 1856)	ER5, ER7, ER11
Rheocricotopus fuscipes (Kieffer, 1909)	ER5, ER7, ER11
Rheocricotopus glabricollis (Meigen, 1830)	ER7
Rheocricotopus sp.	ER11
Rheosmittia sp.	ER11
Smittia sp.	ER11
Symbiocladius rhithrogenae (Zavrel, 1924)	ER11
Synorthocladius semivirens (Kieffer, 1909)	ER5, ER11
Thienemanniella clavicornis (Kieffer, 1911) /*vittata* (Edwards, 1924)	ER11
Thienemannia gracilis Kieffer, 1909	ER11
Thienemannia sp.	ER11
Thienemannia sp. /*Metriocnemus* sp.	ER11
Thienemanniella acuticornis (Kieffer, 1912)	ER5, ER11
Thienemanniella majuscula (Edwards, 1924)	ER7
Thienemanniella sp.	ER5, ER7, ER11
Thienemanniella sp. / *Corynoneura* sp.	ER11
Thienemanniella clavicornis (Kieffer, 1911)	ER5
Tvetenia calvescens (Edwards, 1929)	ER5, ER7, ER11
Tvetenia calvescens (Edwards, 1929) / *bavarica* (Goetghebuer, 1934)	ER5
Tvetenia calvescens (Edwards, 1929) /*discoloripes* (Goetghebuer & Thienemann, 1936)	ER11
Tvetenia discoloripes (Goetghebuer & Thienemann, 1936)	ER5, ER7, ER11
Tvetenia discoloripes (Goetghebuer & Thienemann, 1936) /*verralli* (Edwards, 1929)	ER5, ER11
Tvetenia sp.	ER5, ER11
Tvetenia verralli (Edwards, 1929)	ER5
Chironomus parathummi Keyl, 1961	ER11
Chironomus sp.	ER7
Cryptochironomus obreptans (Walker, 1856) /*supplicans* (Meigen, 1830)	ER11
Cryptochironomus sp.	ER11
Cyphomella cornea Saether, 1977	ER11
Cyphomella sp.	ER11
Demicryptochironomus vulneratus (Zetterstedt, 1838)	ER11
Endochironomus albipennis (Meigen, 1830)	ER11
Endochironomus sp.	ER7, ER11
Harnischia curtilamellata (Malloch, 1915)	ER11
Harnischia fuscimana Kieffer, 1921	ER11
Kloosia pusilla (Linnaeus, 1767)	ER11
Microtendipes chloris agg.	ER11
Microtendipes pedellus (De Geer, 1776)	ER5, ER7, ER11
Microtendipes pedellus (De Geer, 1776)/ *diffinis* Edwards, 1929	ER11
Microtendipes rydalensis (Edwards, 1929)	ER5, ER11
Microtendipes sp.	ER11
Microtendipes tarsalis agg.	ER5
Paracladopelma doris gr.	ER11

Paracladopelma nigritulum (Goetghebuer, 1942)	ER11
Paracladopelma sp.	ER11
Paralauterborniella nigrohalteralis (Malloch, 1915)	ER11
Paratendipes albimanus (Meigen, 1818)	ER7
Paratendipes sp.	ER11
Phaenopsectra flavipes (Meigen, 1818)	ER11
Polypedilum acifer Townes, 1945	ER11
Polypedilum albicorne (Meigen, 1838)	ER11
Polypedilum bicrenatum Kieffer, 1921	ER11
Polypedilum convictum (Walker, 1856)	ER5, ER7, ER11
Polypedilum cultellatum Goetghebuer, 1931	ER11
Polypedilum nubeculosum (Meigen, 1804)	ER11
Polypedilum pedestre (Meigen, 1830)	ER11
Polypedilum scalaenum (Schrank, 1803)	ER11
Polypedilum sp.	ER5, ER11
Saetheria reissi Jackson, 1977	ER5
Saetheria sp.	ER11
Stictochironomus pictulus (Meigen, 1930)	ER7
Stictochironomus sticticus agg.	ER11
Tribelos cf. *intextum* (Walker, 1856)	ER11
Cladotanytarsus sp.	ER11
Micropsectra bidentata (Goetghebuer, 1921)	ER7, ER11
Micropsectra sp.	ER5, ER7, ER11
Paratanytarsus dissimilis agg.	ER7
Paratanytarsus sp.	ER5, ER11
Rheotanytarsus sp.	ER5, ER7, ER11
Stempellinella brevis (Edwards, 1929)	ER11
Tanytarsus brundini Lindeberg, 1963	ER5
Tanytarsus gibbosiceps Kieffer, 1922	ER5
Tanytarsus heusdensis Goetghebuer, 1923	ER11
Tanytarsus pallidicornis (Walker, 1856)	ER7
Tanytarsus sp.	ER5, ER7, ER11
Tanytarsini Gen sp.	ER11
Chironomidae Gen sp. (larvula)	ER11