

Karyotype and External Morphology of *Dicrotendipes lobiger* Kieffer, 1921 (Diptera: Chironomidae) from Some Regions in Bulgaria

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Abstract: The species *Dicrotendipes lobiger* KIEFFER, 1921 has $2n = 8$, with chromosome arm combinations: AB CD EF G. Chromosomes AB and CD are metacentric, chromosome EF – submetacentric and chromosome G – telocentric. For first time a chromosome map of salivary gland chromosomes was done and cytogenetic markers were shown. Chromosome variability expressed by inherited and somatic aberrations was analysed. All aberrations are new for the species and the somatic rearrangements illustrate the genome instability of the species. New taxonomic signs in larva, pupa and imago (male) reared in laboratory condition were presented. They can be used for identification of the species. The similarity of banding patterns of a salivary gland chromosome with those of species of genera *Dicrotendipes* and *Chironomus* was discussed.

Key words: Chironomidae, *Dicrotendipes lobiger*; polytene chromosomes, external morphology of larva, pupa, imago