

# Chromosome Polymorphism of *Camptochironomus tentans* (FABRICIUS 1805) (Diptera: Chironomidae) from Łuknajno (Mazurian Lakeland), Poland

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**Abstract:** The polytene chromosomes of *Camptochironomus tentans* (FABRICIUS 1805) from Poland were examined and it was shown the chromosome polymorphism of the species in the studied population. The chromosome inversions observed in the population were classed as polymorphic and rare (unique). Polymorphic are those which occurred in other populations with different frequency. Rare aberrations are those which are unique for the population and appeared in a low frequency. In total, 19 inversion sequences were detected. Only one unique inversion occurred in arm D (D1D10), and a very low frequency. An insertion in arm F was also found. In total, 25 genotypic combinations were detected. A polymorphous system exists in chromosome arms A, B, F is characterized by the transition of one homozygous inversion into another through heterozygotization. The significance of the chromosome polymorphism and the observed polymorphous system in the Polish populations is discussed.

**Key words:** Chironomidae, *Camptochironomus tentans*, chromosome polymorphism, inversions, Poland