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Abstracts

Chromosomal rearrangements and speciation in "*maximowiczii*" species group of genus *Alexandromys* (Rodentia)

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We investigated the karyotypes of the "*maximowiczii*" species group of the genus *Alexandromys* Ognev, 1917 (= *Microtus* Schrank, 1798). It is obtained that three species of the genus: *A. evoronensis* (2n=38-40), NFa=51-54), *A. mujanensis* (2n=38, NFa=46-50) and *A. maximowiczii* (2n=36-44, NFa=50-60) have high level of chromosomal rearrangements. The literature and our chromosomal data obtained for these animal species of new geographical locality, the observations on differential staining (G- and C-) of chromosomes, and FISH analysis, let us to identify presence of specific mode of chromosomal rearrangements in each species. Chromosomal rearrangements, jointly with micro- and macroevolution processes in "*maximowiczii*" species group will be discussed.