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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, 1768). It is obtained that three species of the genus: A. evoromenis (2n=38-40, NFa=51-54), A. mejanesis (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.