

**Modern Achievements in Population, Evolutionary, and Ecological Genetics : International Symposium, Vladivostok – Vostok Marine Biological Station, June 19–24, 2011 : Program & Abstracts. – Vladivostok, 2011. –51 p. – Engl.**  
ISBN 978-5-7442-1512-5

**HELD BY:**

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Administration of Vladivostok City,  
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Administration of Nakhodka City District,  
Vladivostok Public Foundation for Development of Genetics,*

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Editor Yuri Ph. Kartavtsev

**Современные достижения в популяционной, эволюционной и экологической генетике : Международный симпозиум, Владивосток – Морская биологическая станция “Восток”, 19–24 июня 2011 : Программа и тезисы докладов. – Владивосток, 2011. –51 с. – Англ.**

**ОРГАНИЗАТОРЫ:**

*Дальневосточное отделение РАН,  
Институт биологии моря им. А.В. Жирмунского ДВО РАН,  
Биолого-почвенный институт ДВО РАН,  
Дальневосточный федеральный университет,  
Администрация г. Владивостока,  
Дума г. Владивостока,  
Администрация г. Находка,  
Владивостокский общественный фонд развития генетики*

**ФИНАНСОВАЯ ПОДДЕРЖКА:**

*Дальневосточное отделение РАН,  
Территориальный экологический фонд г. Находка,  
ООО «Арго», ООО «Автовладсервис»*

Ответственный редактор Ю.Ф. Картавец

ISBN 978-5-7442-1512-5

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**DIVERSITY OF B CHROMOSOME MORPHOTYPES IN *APODEMUS PENINSULAE*  
(RODENTIA) FROM THE FAR EAST OF RUSSIA**

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The variability of B chromosome system in *Apodemus peninsulae* from five regions in the Russian Far East ( $n = 367$ ) has been analyzed. There were the same dominated variants in two groups of mice (with a stable and mosaic karyotypes) from 78 identified dimensional and morphological variants, the differences boil down to the frequency of their occurrence.

For the first time the optimal values of the mB index and number of B chromosomes as well as a conditional "amount of DNA" (mB index) have been revealed for each variant of B chromosome system and for both groups of animals as well. The mosaics differ from the group of mice with stable karyotype in more diverse and, mainly, unique spectra of number and morphotypes of B chromosomes, as well as the highest values of mB index. The greatest contribution of mosaics into the genetic variability of the species and the leading role of natural selection in the formation of a "critical mass" of B chromosomes with stable karyotype are supposed. Any well-defined regularity in the distribution of mice with similar variants of B chromosome system has been not found out on the mainland of the Russian Far East; probably, it is of a chaotic nature.