

B-Chromosomes in Populations of *Rana temporaria* (Amphibia: Anura) from Belarus

*Alexander M. Voitovich*¹, *Klavdiya G. Yeliseeva*¹, *Viktor Yu. Afonin*¹,
*Ruslan V. Novitsky*², *Yury I. Kazhura*³

Abstract: B-chromosome occurrence was studied in the karyotype of some *Rana temporaria* populations from Belarus. Two regions, where individuals with B-chromosomes occur, were discovered. The average population number of animals with B-chromosomes was determined. Probable causes of B-chromosome accumulation in populations and in the karyotype of some individuals were considered. Under radiation exposure the presence of B-chromosomes in genome is not correlated with an increase in the level of bone marrow cells with cytogenetic damages.

Key words: supernumerary chromosomes, common frog, radiation, Belarus.