

Abstrakt AJ

The thesis deals with the possibilities and problems of DNA analysis in its use in kinship studies and investigation of distant biological relationship of people. It presents a summary of useful DNA markers with a focus on linking autosomal markers and lineage markers - mtDNA and Y-STR; characterizes the typical heredity of individual types of markers and explains the basic principles of interpretation of their analysis. The research also deals with computer software exploited in statistical calculations; case studies, specific examples of the use of DNA analysis in kinship studies and investigation of distant biological relationship of people are also included at the final section.

Key words

DNA analysis, genealogy, kinship study, STR, SNP, DNA marker