



Volume 59, Issue 2

April 2025



13 articles in this issue

Prognostic Potential of hsa-miR-16-5p, hsa-miR-125b-5p, and hsa-miR-181a-5p for the Formation of Groups of Increased Risk of Breast Cancer under Radiation Exposure

M. A. YanishevskayaE. A. BlinovaA. V. Akleyev

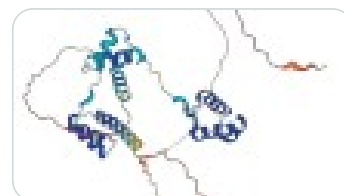
REVIEWS | 15 June 2025 | Pages: 153 - 164



Transcription Factor PAX4: Role in Differentiation of Insulin-Producing β Cells during Pancreas Development and Association with Diabetes

A. I. MelnikovaT. S. KrasnovaP. M. Rubtsov

REVIEWS | 15 June 2025 | Pages: 165 - 174



Identification of Genetic Markers of Predisposition to Thrombotic Diseases by Minisequencing Analysis: Reagent Set “SNP2-TMG”

A. V. Grudol. V. HaidukevichG. V. Sergeev

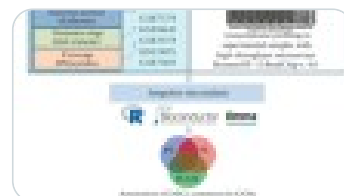
GENOMICS AND TRANSCRIPTOMICS | 15 June 2025 | Pages: 175 - 184



Placental Tissue Transcriptomics as a Tool to Identify the Molecular Mechanisms of Great Obstetrical Syndromes

E. A. TrifonovaA. V. MarkovV. A. Stepanov

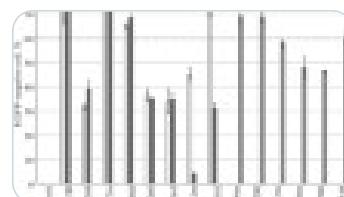
GENOMICS AND TRANSCRIPTOMICS | 15 June 2025 | Pages: 185 - 204



Improving the Efficiency and Safety of Human CCR5 Gene Editing by Selection of Optimal Guide RNAs for SpCAS9 and CAS12A

R. R. MintaevD. V. GlazkovaG. A. Shipulin

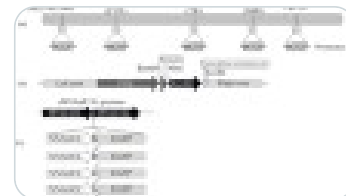
CELL MOLECULAR BIOLOGY | 20 February 2025 | Pages: 205 - 213



Dynamics of Transgene Expression in the MVA Vaccine Vector under the Control of the p11, p13.5, pLEO160, p7.5, and mH5 Promoters and Independence of the Transgene Expression Level from the Insertion Locus

O. V. OrlovaD. V. GlazkovaE. V. Bogoslovskaya

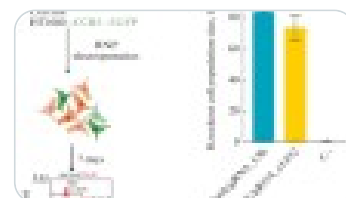
CELL MOLECULAR BIOLOGY | 15 June 2025 | Pages: 214 - 223



Influence of Homology Arm Length and Structure on the Efficiency of Long Transgene Integration into a Cleavage Site Induced by SpCas9 or AsCpf1

J. A. TaranR. R. MintaevG. A. Shipulin

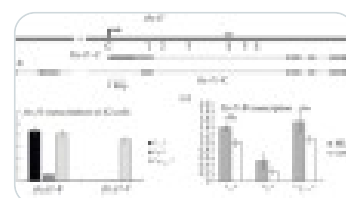
CELL MOLECULAR BIOLOGY | 15 June 2025 | Pages: 224 - 233



MLE (DHX9) Helicase Regulates the Expression of Constitutive and Inducible Isoforms of the Conserved Nuclear Receptor FTZ-F1 (NR5A3)

J. V. NikolenkoS. G. Georgieva

CELL MOLECULAR BIOLOGY | Open access | 15 June 2025 | Pages: 234 - 243



π DMD Simulation as a Strategy for Refinement of AlphaFold2 Modeled Fuzzy Protein Complexes Structures

N. G. MuradyanA. A. SargsyanK. B. Nazaryan

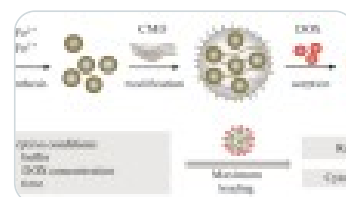
STRUCTURAL-FUNCTIONAL ANALYSIS OF BIOPOLYMERS AND THEIR COMPLEXES | 20 February 2025 | Pages: 244 - 252



Optimization of Cytotoxic Properties of Magnetic Nanoparticle-Based Doxorubicin Delivery System

A. I. KurtovaA. V. SvetlakovaV. O. Shipunova

STRUCTURAL-FUNCTIONAL ANALYSIS OF BIOPOLYMERS AND THEIR COMPLEXES | 15 June 2025 | Pages: 253 - 262



Division of the Standard Set of Amino Acids into Groups According to Their Evolutionary Age

V. M. EfimovK. V. EfimovV. Yu. Kovaleva

BIOINFORMATICS | 15 June 2025 | Pages: 263 - 271



Sample Preparation and Sequencing Efficiency of microRNA Libraries from Pituitary Adenoma Tissue and Blood Plasma of Patients with Acromegaly for the Illumina Platform

E. V. IgnatievaE. S. NerubenkoR. I. Dmitrieva

METHODS | 15 June 2025 | Pages: 272 - 284



Efficient Method to Isolate High-Quality RNA from Mycelia of Toxigenic Fungi *Fusarium* sp.

A. A. StakheevD. Yu. RyazantsevS. K. Zavriev

METHODS | Open access | 15 June 2025 | Pages: 285 - 292

