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Non-coding RNA - an overview | ScienceDirect Topics

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the heterogeneous group of long non-coding RNAs (lncRNAs), might also contribute to the development of many different human disorders 2. Here, I focus on the genetic and epigenetic events that disrupt ncRNA loci and their related proteins in the context of cancer and other human diseases, such as neurological, cardiovascular, autoimmune, imprinting and monogenic disorders. I also discuss ...

Non-coding RNAs in human disease - Valadkhan Lab

Non-coding RNA and the Reproductive System Ebook Preface This book provides an overview of the role and function of regulatory RNAs that lack protein-coding potential in key reproductive tissues.

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expression of mRNAs, known and novel long non-coding RNAs [lncRNAs] in leukocytes from subjects with autoimmune disease and identified annotated and novel lncRNAs differentially expressed across multiple disorders.

Expression of long non-coding RNAs in autoimmunity and

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A non-coding RNA (ncRNA) is a functional RNA molecule that is transcribed from DNA but not translated into proteins. Epigenetic related ncRNAs include miRNA, siRNA, piRNA and lncRNA. In general, ncRNAs function to regulate gene expression at the transcriptional and post-transcriptional level. Those ncRNAs that appear to be involved in epigenetic processes can be divided into two main groups; the short ncRNAs (<30 nts) and the long ncRNAs (>200 nts). The three major classes of short non ...

Non-Coding RNA | What is Epigenetics?

Long non-coding RNAs (lncRNAs) are transcribed RNA molecules >200 nucleotides in length that do not

encode proteins and serve as key regulators of diverse biological processes. Recently, thousands of long intergenic non-coding RNAs (lincRNAs), a type of lncRNAs, have been identified in mammals using massive parallel large sequencing ...

In silico prediction of long intergenic non-coding RNAs in

In genomics and related disciplines, noncoding DNA sequences are components of an organism's DNA that do not encode protein sequences. Some noncoding DNA is transcribed into functional non-coding RNA molecules (e.g. transfer RNA, ribosomal RNA, and regulatory RNAs).

Non-coding DNA - Wikipedia

Download PDF Article preview select article Variance in the identification of microRNAs deregulated in Alzheimer's disease and possible role of lincRNAs in the pathology: The need of larger datasets

Ageing Research Reviews | Non-coding RNA in Aging

The roles of non-coding RNAs in the central dogma of molecular biology: Ribonucleoproteins are shown in red, non-coding RNAs in blue. A non-coding RNA (ncRNA) is an RNA molecule that is not translated into a protein .

Non-coding RNA - Wikipedia

Non-coding RNAs in Endocrinology (ncRNAs Endocrinol) is the world's first peer-reviewed specialty journal in this emerging area of biology. The journal presents technological advances in the field on the basis of their novelty, importance to other researchers, elegance and surprising conclusions.

Non-coding RNAs in Endocrinology - degruyter.com

Non-Coding RNAs: Dark Matter of the Genome Rory Johnson Bioinformatics and Genomics Group (Professor Roderic Guig³) Centre for Genomic Regulation, Barcelona

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