

A SHORT GUIDE to the Human Genome

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Stewart Scherer

A Short Guide To The Human Genome

Martin J. Bishop



A Short Guide To The Human Genome:

A Short Guide to the Human Genome Stewart Scherer, 2008 Although the human genome has been sequenced it can be difficult to find answers to seemingly simple questions about its characteristics How many genes are there Which genes are commonly associated with genetic diseases How many DNA binding proteins mobile elements or kinases are present What are the major differences between human proteins and those of other species This convenient handbook written in question and answer format allows researchers and teachers alike access to basic facts about the human genome *Guide to the human genome* Stewart Scherer, 2010 **Genomics: A Very Short Introduction** John M. Archibald, 2018-02-22 Genomics has transformed the biological sciences From epidemiology and medicine to evolution and forensics the ability to determine an organism's complete genetic makeup has changed the way science is done and the questions that can be asked of it Its most celebrated achievement was the Human Genome Project a technologically challenging endeavor that took thousands of scientists around the world 13 years and over 3 billion US dollars to complete In this Very Short Introduction John Archibald explores the science of genomics and its rapidly expanding toolbox Sequencing a human genome now takes only a few days and costs as little as 1 000 The genomes of simple bacteria and viruses can be sequenced in a matter of hours on a device that fits in the palm of your hand The resulting sequences can be used to better understand our biology in health and disease and to personalize medicine Archibald shows how the field of genomics is on the cusp of another quantum leap the implications for science and society are profound ABOUT THE SERIES The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area These pocket sized books are the perfect way to get ahead in a new subject quickly Our expert authors combine facts analysis perspective new ideas and enthusiasm to make interesting and challenging topics highly readable A Guide to the Human Genome Project Susan L. Speaker, M. Susan Lindee, Elizabeth Hanson, 1993 This simple concise introduction to the HGP for the general reader explores the origins of the genome project and reactions in the scientific community important technologies and techniques institutions connected with the HGP including designated genome centers important suppliers of resources and corporations systems of communication and ethical legal and social issues A publication of the Biomolecular Sciences Initiative of CHF's Beckman Center for the History of Chemistry **Using the Biological Literature** Diane Schmidt, 2014-04-14 The biological sciences cover a broad array of literature types from younger fields like molecular biology with its reliance on recent journal articles genomic databases and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries Using the Biological Literature A Practical Guide Fourth Edition is an annotated guide to selected resources in the biological sciences presenting a wide ranging list of important sources This completely revised edition contains numerous new resources and descriptions of all entries including textbooks The guide emphasizes current materials in the English language and includes retrospective references for historical perspective and to provide access to

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Miller,2012-07-29 This book attempts to define the issues that face us in trying to understand the often overwhelming complexity of the human experience It is intellectually challenging broad in its scope richly detailed and densely argued It is the first in a projected series of five volumes in which the author will seek to touch on every aspect of human historical reality and all the multitudinous variables that have shaped it *The Noughties Brought to Book* Michael Gross,2010-05-25 Why music doesn't add up what The Simpsons can teach us about science whether Juana la Loca wasn't crazy after all and what's behind the gaseous veil of Saturn's moon Titan these are just some of the questions addressed in the more than 70 reviews and essay reviews from the years 2000 to 2009 collected in this volume They cover books about science ranging from the academic to the popularized kind but there are also books about cultural topics and even a few novels scattered in for good measure Most of these books reviewed haven't found a massive amount of attention although some of them should have at least in the reviewer's opinion And even if the book under review wasn't all that good the format of an essay review allows the author to have a go at presenting the subject matter his own way All in all a reflection of what happened during the noughties in the worlds of science and culture and off the beaten track Circulating Nucleic Acids in Plasma and Serum Peter B. Gahan,2010-10-08 DNA and RNA fractions have been isolated from the whole blood serum plasma the surface of blood cells urine saliva and spinal fluid from both healthy individuals and clinical patients Recent developments are presented concerning the isolation quantification and analysis of these molecules and their use in the identification of specific nucleic acid fragments related to a variety of clinical disorders thereby permitting their early diagnosis and prognosis *Guide to Human Genome Computing* Martin J. Bishop,1994 Intended for researchers and students interested in sequencing and DNA analysis this book explains how to use sequence databases and various computer packages to measure linkage analysis compare and align DNA sequences from different genes organisms and other applications *The Oxford Handbook of Language Evolution* Maggie Tallerman,Kathleen R. Gibson,2012 Leading scholars present critical accounts of every aspect of the field including work in animal behaviour anatomy genetics and neurology the prehistory of language the development of our uniquely linguistic species and language creation transmission and change

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