Introduction to Veterinary Genetics

Frank W. Nicholas
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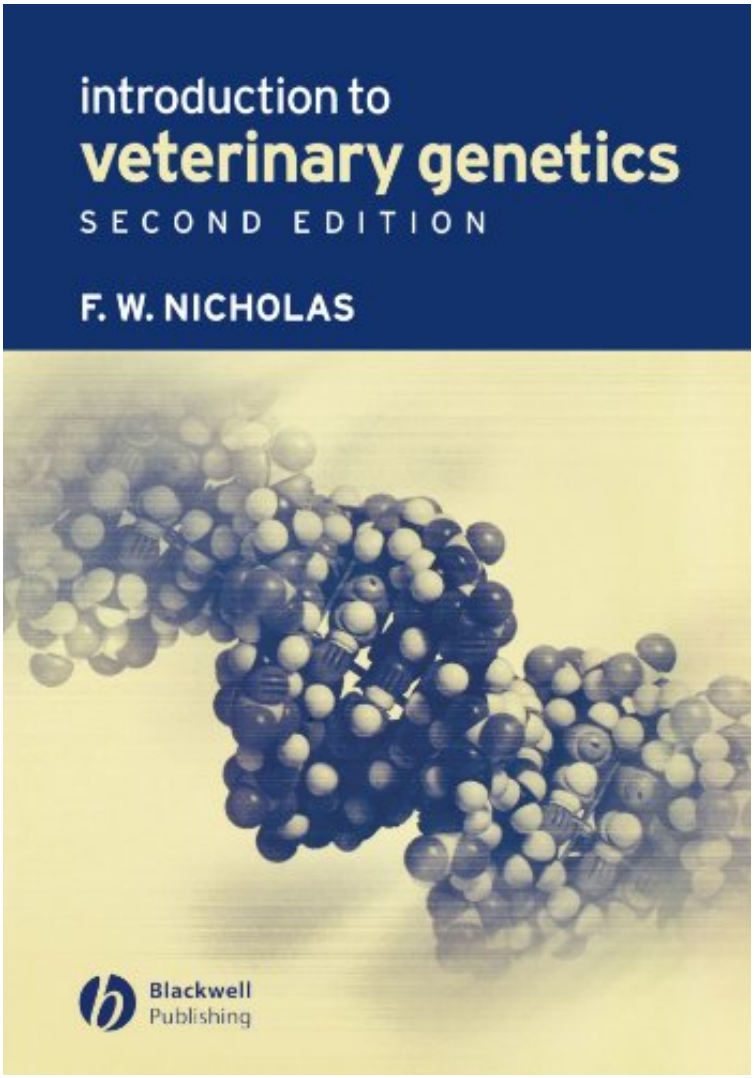

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Frank W. Nicholas : Introduction to Veterinary Genetics before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Veterinary Genetics:

An understanding of veterinary genetics is crucial to the evaluation and control of diseases and disorders in animals. Fully revised and updated, this second edition not only contains sections on basic genetics, cytogenetics, immunogentics, population genetics and quantitative genetics, but also covers, in greater depth than the previous edition, molecular biology, biotechnology, gene mapping and the use of molecular tools to research inherited

disorders. Accessible and clearly presented, this new edition includes: Basic, step-by-step explanations. Detailed descriptions of how veterinary genetics can be applied to artificial selection in animal production. New information on the control of inherited disorders and the conservation of genetic diversity in both domesticated and wild animal species.Introduction to Veterinary Genetics is still the only introductory genetics textbook for students of veterinary and animal science and will continue to be an indispensable reference tool for veterinary students and practitioners alike.

The rather modest title to this book conceals an undertaking of heroic proportions; to introduce and summarise the whole of host genetics and current genetic methodology. * Avian Pathology, June 1997 * The writing is generally clear, realistic and quite positive on many aspects, so that many students should be tempted to get more involved in genetics. Further reading is proposed after each chapter and covers quite well the different research fields as well as most of the domestic species. The author should be congratulated for this quite comprehensive overview. * M. Tixier-Boichard, Genet Sel Evol (1997) 29 * This book provides an introductory and up-to-date overview of those aspects of genetics that are relevant to animal disease and animal production ... it provides an excellent introduction to anyone interested in acquiring a basic understanding of genetics. Examples are drawn from the field of veterinary science and a clear account is provided of the importance of molecular biology to genetics. The various concepts are clearly and concisely expressed. * Colin Hetherington, Laboratory Animals, 30, 1996 * most excellent book ... It is a most comprehensive, and comprehensible, primer on genetics. It is right up to date, accurate, and clear, and it is a delight for a human geneticist to read because it is so interesting. The book is highly recommended both for its genetics (veterinarians will be well instructed by it) and for the horizons which it broadens for human geneticists. * Mary J. Seller, Journal of Medical Genetics, Vol. 33, No. 10, Oct 1996 * In his book Veterinary Genetics, published in 1987, I believe Frank Nicholas did an excellent service in producing a text which covered comprehensively the basic genetics and its application to the health and the breeding of animals. This new, shorter, edition is at a simpler level and concentrates rather more closely on the genetics of disease ... brings in the considerable new knowledge on specific diseases and on use of markers. I suspect it is more suitable than its predecessor both for the undergraduate vet and agriculture student and for the professional or amateur reader concerned with animal genetics and breeding ... undoubtedly a nice piece of work. Whilst the basic theory and the animal breeding applications can be found elsewhere, the content on the genetics of animal disease is, I believe, uniquely available here. * William G. Hill, University of Edinburgh, Genetical Research, 1996 * This compact book provides an excellent introduction to molecular techniques and their application to animal disease and production. I felt that this book was self contained, with everything needed for one to understand the concepts. The interested reader is, however, given ample references for further reading. This book clearly illustrates how molecular biology impinges on modern veterinary medicine and practice, and provides a useful bridge between the two fields of veterinary science and molecular biology. * David W. Burt, TIG, August 1996, Vol. 12 No. 8 *From the Back CoverAn understanding of veterinary genetics is crucial to the evaluation and control of diseases and disorders in animals. Fully revised and updated, this second edition not only contains sections on basic genetics, cytogenetics, immunogentics, population genetics and quantitative genetics, but also covers, in greater depth than the previous edition, molecular biology, biotechnology, gene mapping and the use of molecular tools to research inherited disorders. Accessible and clearly presented, this new edition includes: Basic, step-by-step explanations. Detailed descriptions of how veterinary genetics can be applied to artificial selection in animal production. New information on the control of inherited disorders and the conservation of genetic diversity in both domesticated and wild animal species. Introduction to Veterinary Genetics is still the only introductory genetics textbook for students of veterinary and animal science and will continue to be an indispensable reference tool for veterinary students and practitioners alike. About the AuthorFrank Nicholas is Professor of Animal Genetics in the Faculty of Veterinary Science, University of Sydney. He created and maintains Online Mendelian Inheritance of Animals (OMIA), a comparative knowledge base of genetic disorders and other familial traits in non-laboratory animals (www.angis.org.au/omia).