

GSE

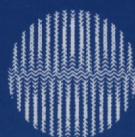
Genetics Selection Evolution

for integrative research on quantitative and molecular genetics

Special Issue on

16-18 August 2002
Montpellier — France

Candidate Genes for Animal Health



INRA



GSE

CONTENTS

GSE Volume 35 • Suppl. 1 • 2003

Second International Symposium on Candidate Genes for Animal Health 16–18 August 2002, Montpellier – France

Guest Editors:

J.-C. MAILLARD (CIRAD) and M.-H. PINARD VAN DER LAAN (INRA)

Introduction	III
I - Novel strategies and tools of the candidate gene approach	
Genetic management strategies for controlling infectious diseases in livestock populations S. BISHOP, K. MACKENZIE.....	S3
Application of disease-associated differentially expressed genes – Mining for functional candidate genes for mastitis resistance in cattle M. SCHWERIN, D. CZERNEK-SCHÄFER, T. GOLDAMMER, S.R. KATA, J.E. WOMACK, R. PAREEK, C. PAREEK, K. WALAWSKI, R.M. BRUNNER.....	S19
Serial analysis of gene expression (SAGE) in bovine trypanotolerance: preliminary results D. BERTHIER, R. QUÉRÉ, S. THEVENON, D. BELEMSAGA, D. PIQUEMAL, J. MARTI, J.-C. MAILLARD.....	S35
II - Mechanisms of defense against infections	
Biological effect of varying peptide binding affinity to the <i>BoLA-DRB3*2703</i> allele Z. ALIZADEH, N. KARROW, B.A. MALLARD.....	S51
Evaluation of immune responses of cattle as a means to identify high or low responders and use of a human microarray to differentiate gene expression A. HERNÁNDEZ, N. KARROW, B.A. MALLARD.....	S67
Association of the porcine <i>C3</i> gene with haemolytic complement activity in the pig S. MEKCHAY, S. PONSUKSILI, K. SCHELLANDER, K. WIMMERS.....	S83
III - Genetic resistance/susceptibility to infectious diseases	
Association of <i>INOS</i> , <i>TRAIL</i> , <i>TGF-β2</i> , <i>TGF-β3</i> and <i>IgL</i> genes with response to <i>Salmonella enteritidis</i> in poultry M. MALEK, S. LAMONT.....	S99
Association studies using random and “candidate” microsatellite loci in two infectious goat diseases G. OBEXER-RUFF, U. SATTLER, D. MARTINEZ, J.-C. MAILLARD, C. CHARTIER, N. SAITBEKOVA, M.-L. GLOWATZKI, C. GAILLARD.....	S113

Continued on cover page 3

Abstracted/Indexed in: Agris, Bibliography of Agriculture, Biological Abstracts/Biosis, CABS (Current Awareness in Biological Sciences), Chemical Abstracts, CNRS/Pascal, Current Contents (Agriculture), Genetic Abstracts, GEOBASE, MEDLINE, Science Citation Index.

www.edpsciences.org
