

Genetics, Animal Genetic Resources and Breeding*Original research articles*

Identification of QTL and loci for egg production traits to tropical climate conditions in chickens

C.-Y. Lien, M. Tixier-Boichard, S.-W. Wu and C.-F. Chen

103980

A single-step genomic evaluation for milk production in Egyptian buffalo

H. Abdel-Shafy, M.A.A. Awad, H. El-Regalaty, A. Ismael, S.E.-D. El-Assal and S. Abou-Bakr

103977

Integrated analysis of mRNA and miRNA in testis and cauda epididymidis reveals candidate molecular markers associated with reproduction in Dezhou donkey

F. Tian, J. Wang, Y. Li, C. Yang, R. Zhang, X. Wang, Z. Ju, Q. Jiang, J. Huang, C. Wang, J. Chen and Y. Sun

103885

Short communication

The use of subjectively assessed muscular and skeletal traits on live cattle to aid in differentiation between animal genetically divergent in carcass kill out metrics

D.P. Berry, J.M. Coyne, J. Doyle and R.D. Evans

103984

Genetic diversity and population structure of six Ethiopian cattle breeds from different geographical regions using high density single nucleotide polymorphisms

S. Meseret, Y.A. Mekonnen, B. Brenig, E. Schütz, O. Hanotte, M. Gültas and A.O. Schmitt

103979

Ruminant Nutrition*Original research articles*

Supplementation strategies for lactating dairy cows offered very high quality grass silages: Starch-based or fibre-based concentrates offered with or without straw

A. Craig, A.W. Gordon, S. Stewart and C.P. Ferris

103973

Salivary tannin-binding proteins: A foraging advantage for goats?

M.H. Schmitt, D. Ward and A.M. Shrader

103974

Effects of a blend of cinnamaldehyde, eugenol and capsaicin oleoresin (CEC) on growth performance, nutrient digestibility, immune response and antioxidant status of growing ewes

X. An, Y. Wang, R. Wang, X. Hao, Y. Hu, T. Guo, J. Zhang, W. Wang, X. Shi, S. Han and J. Qi

103982

Feedlot performance, feeding behavior, carcass and rumen morphometrics characteristics of Nellore cattle submitted to strategic diets prior the adaptation period

M.C.S. Pereira, J.V.T. Dellaqua, O.A. Sousa, P.F. Santi, L.D. Felizari, B.Q. Reis, A.C.J. Pinto, G.P. Bertoldi, A.M. Silvestre, D.H.M. Watanabe, D.D. Estevam, M.D.B. Arrigoni and D.D. Millen

103985

Interaction between tannin and urea on nitrogen utilization by beef cattle grazing during the dry season

H.F. Martello, N.F. De Paula, R.W. Teobaldo, J.T. Zervoudakis, M.A. Fonseca, L.S. Cabral, J.K.L. Rocha, A.T. Mundim and E.H.B.K. Moraes

103988

Short communication

Total and partial replacement of corn meal with rice bran in lamb rations: Nutritional effects

J.A.C. Vargas, R. Mezzomo, D.I. Gomes, L.R.S. Oliveira, V.J.V. da Mata,

R. da Conceição dos Santos and K.S. Alves

103986

Non-Ruminant Nutrition*Original research articles*

Intestinal microbial ecology, immune response, stress indicators, and gut morphology of male broiler chickens fed low-phosphorus diets supplemented with phytase, butyric acid, or *Saccharomyces*

boulardii

N. Nari, H.A. Ghasemi, I. Hajkhodadadi and A.H.K. Farahani

103975

The effect of colostrum lactose content on growth performance of piglets from Polish Large White and Polish Landrace sows

M. Szyndler-Nędza, A. Mucha and M. Tyra

103997

Impact of dietary protein to energy ratio and two different energy levels fed during late gestation on plasma metabolites and colostrum production in sows

U. Krogh, S. van Vliet, T.S. Bruun, T. Feyera, T. Hinrichsen, T.F. Pedersen and P.K. Theil

103999

Behaviour, Health and Welfare*Original research articles*

The effect of feeder system and diet on welfare, performance and meat quality, of growing-finishing Iberian × Duroc pigs under high environmental temperatures

A.C.F. Oliveira, J. González, S.E. Asmar, N.P. Batllori, I.Y. Vera, U.R. Valencia, R. Lizardo, T.D. Borges,

E. Esteve-Garcia, N. Panella-Riera, L.B. Costa and A. Dalmau

103972

The time relative to parturition does not affect the behavioral or aggressive reactions in Zebu cows (*Bos indicus*)

A. Orihuela, L. Pérez-Torres and R. Ungerfeld

103978

Influence of different newborn piglets drying methods on the development of lesions in the respiratory tract

M.A.C. Martines, M.L. Mechler-Dreibi, G.Y. Storino, B.B. Zambotti, A.P. Jacintho, M.M. Ferreira and L.G. de Oliveira

104001

Wider slot in pens with fully slatted rubber mat flooring for fattening bulls: Effects on animal hygiene, health and welfare

L. Magrin, F. Gottardo, G. Cozzi and C. Bergsten

103989

Short communication

Biomarkers from automatic milking system for cows reproduction success

R. Antanaitis, V. Juozaitiene, D. Malašauskienė and M. Televičius

103987

Livestock Farming Systems and Management

Original research articles

Colostrum-supplemented transition milk positively affects serum biochemical parameters, humoral immunity indicators and the growth performance of calves

G. Zwierzchowski, J. Miciński, R. Wójcik and J. Nowakowski

103976

Physiology

Original research articles

Tributylin differentially regulates inflammatory markers and modulates goblet cells number along the intestinal tract segments of weaning pigs

B. Tugnoli, A. Piva, G. Sarli and E. Grilli

103996

Reproduction Physiology

Original research articles

Effect of backfat thickness during late gestation on farrowing duration, piglet birth weight, colostrum yield, milk yield and reproductive performance of sows

S. Thongkhuy, SH.B. Chuaychu, P. Burarnrak, P. Ruangjoy, P. Juthamanee, M. Nuntapaitoon and P. Tummaruk

103983