

Genetics, Animal Genetic Resources and Breeding

Original research articles

Exploiting single-marker and haplotype-based genome-wide association studies to identify QTL for the number of teats in Italian Duroc pigs
S. Bovo, M. Ballan, G. Schiavo, A. Ribani, S. Tinarelli, S. Dall'Olio, M. Gallo and L. Fontanesi
104849

Weighted genome-wide association study reveals new candidate genes related to boar taint compounds¹
M.E. Botelho, M.S. Lopes, P.K. Mathur, E.F. Knol, F.F. e Silva, P.S. Lopes, S.E.F. Guimarães, D.B.D. Marques and R. Veroneze
104845

Removal of undesirable MC1R gene alleles from 'Berrenda en Negro', an endangered Spanish cattle breed, to enhance breed conservation programs
R. González-Cano, A. Gonzalez-Martinez, M.E. Muñoz-Mejias, P. Valera and E. Rodero
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Short communication

A new computational approach to Henderson's method of computing the inverse of a numerator relationship matrix
M.A. Nilforooshan
104848

Ruminant Nutrition

Changes on meat fatty acid profile, cholesterol and hepatic metabolism associated with antioxidants and canola oil supplementation for Nellore cattle
L.B. Correa, A. Saran Netto, J.S.d. Silva, N.R.B. Cônsolo, S.M.P. Pugine, M.P.d. Melo, R.S.d.S. Santana and M.A. Zanetti
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Non-Ruminant Nutrition

Original research articles

The effect of dietary *Echium* oil supplementation on the fatty acid profile, omega-3 fatty acid content and subcutaneous fat quality of pork
A. Hugo, B.E. van Wyngaard, P.E. Strydom, F.H. de Witt, C.H. Pohl and A.T. Kanengoni
104833

Effects of L-arginine and L-citrulline supplementation in reduced protein diets on cecal fermentation metabolites of broilers under normal, cyclic warm temperature and necrotic enteritis challenge
H.T. Dao, J.W. Clay, N.K. Sharma, E.J. Bradbury and R.A. Swick
104826

Behaviour, Health and Welfare

Short communication

Short communication: Is it better to calve alone or in groups? A pilot study
V. Ahedo and A. Bach
104846

Livestock Farming Systems and Management

Original research articles

The effect of floor cooling on respiration rate and distribution of pigs in the pen
P. Brandt, M. Grønvig, L. Rong, G. Zhang, K.R. Gautam, J.K. Kristensen and B. Bjerg
104832

Application of an optimized and validated LC-MS/MS method for the quantification of free 3-nitrotyrosine in plasma, urine and liver tissue of lactating dairy cows
D. Barcarolo, E. Angeli, L.E. Ribas, S.M. Addona, H.H. Ortega and G.J. Hein
104852

Probability of pregnancy in beef cows with early-weaned calves
R.F. Pacheco, R.Z. Vaz, J. Restle, M.F. da Silveira, L. Cerdotes, J.S. Teixeira, L. Milani and P.S. Pacheco
104854

Short communication

Distribution of Salers cows in contrasting rangeland pastures relative to established slope and water guidelines
J.D. Hennig, W. Rigsby, B. Stam and J.D. Scasta
104843

Reproduction Physiology

Original research articles

Comparison of single layer centrifugation and magnetic activated cell sorting for selecting viable boar spermatozoa after thawing
S. Deori, T. Ntallaris, M. Wallgren, J.M. Morrell and A. Johannisson
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Short communication

Ultrasound characteristics and pregnancy loss in bovine IVF-derived pregnancies
P.H.E. Guedes, C.S. Oliveira, H.R.S. Dias, C. Freitas, A.J.R. Camargo, N.Z. Saraiva and L.S.A. Camargo
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