

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

Mitogenome information in cattle breeding and conservation genetics: Developments and possibilities of the SNP chip

V. Brajkovic, D. Hršak, L. Bradić, K. Turkalj, D. Novosel, S. Ristov, P. Ajmone-Marsan, L. Colli, V. Cubric-Curik, J. Sölkner and I. Curik

105299

Whole-genome analyses reveal the genomic diversity and selection signatures of Hainan cattle

S. Chen, C. Chang, K. Cui, W. Yang, B. Li, S. Ni, W. Zhang, S. Li, X. Li, G. Wu, L. Li, Q. Chen, C. Man, L. Du, W. Zhang and F. Wang

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Ruminant Nutrition*Original research articles*

Propionic acid-based additive with surfactant action on the feeding value of rehydrated corn grain silage for dairy cows performance

A.B. da Silva Neto, A.P. Ribeiro, A. Volpato, J. Machado, L.M. Nazato, D.P. Santos, L.F. Francisco, B.A.V. Arthur, G. Morais, R.H.P. Reis, J.L.P. Daniel, L.F. Greco and L.G. Nussio

105292

Replacing silage with large amounts of concentrate and straw affects milk production, economics and climate differently in Holstein and Jersey Cows

C.F. Børsting, D.W. Olijhoek, A.L.F. Hellwing, K.M. Moyes, S. Østergaard, M.R. Weisbjerg, P. Lund, M. Larsen, L. Mogensen, B.M. Raun, B.A. Røjen and N.B. Kristensen

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Non-Ruminant Nutrition*Original research articles*

Effect of yeast extracted β -glucans on the immune response and reproductive performance of gilts in the adaptation, gestation, and lactation periods

M.C. dos Santos, K.F. da Silva, A.P.A. Bastos, A.P. Félix, S.G. de Oliveira and A. Maiorka

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Macleaya cordata extract phytogetic additive: A safe alternative for horses that influences intestinal wall thickness

J.R.d.M. Ferreira, P.A. Ferraz, A.H. da Silva, G. Pugliesi and A.A.d.O. Gobesso

105290

Effects of extracts of *Scutellaria baicalensis* and *Lonicerae Flos* on reproductive performance, milk quality and serum indexes in sows and growth performance in suckling piglets

Z. He, C. Li, X. Xiao, H. Liu, M. Wang, X. Zhou and J. He

105295

Growth performance, intestinal morphometry, and blood serum parameters of broiler chickens fed diets containing increasing levels of wheat bran with or without exogenous multi-enzyme supplementation during the grower and finisher phases

F. Idan, C.B. Paulk, A. Pokoç-Aikins and C.R. Stark

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Effect of bocaiuva pulp oil supplementation of broiler chicken diets on growth performance and quality and oxidative stability of meat

G.R. Perin, C. Eyng, R.V. Nunes, C.R.A. Duarte, C. Kaufmann, G.L.S. Tesser, N. Rohloff Júnior and V.D.L. Savaris

105300

Sanguinarine-based isoquinoline alkaloids modulated the gut-brain axis and enhanced growth performance and gut integrity in natural heat stress broiler chickens

S. Khongthong, D. Faroongsarng, N. Roekngam, J. Nopparat, W. Kraitavin, A. Pastor, T. Steiner and Y. Theapparatt

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Behaviour, Health and Welfare*Original research articles*

Effects of two mixing times post-service on the welfare of sows in a group housing system with free access stalls
M.C. Galli, M.E. Lagoda, F. Gottardo, B. Contiero and L.A. Boyle

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Livestock Farming Systems and Management*Original research articles*

The effect of the addition of a companion forage to a perennial ryegrass sward on ewe and lamb performance
L. McGrane, N. McHugh, T.M. Boland and P. Creighton

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Physiology*Original research articles*

Muscle proteome of crossbred cattle that received vitamin A at birth: impacts on meat quality traits
R.S. Scapol, W.A. Baldassini, M. Gagaoua, G.D. Ramírez-Zamudio, M.M. Ladeira, M.D. Poleti, J.B.S. Ferraz, R.d.N.S. Torres, J.A. Torrecilhas, G.L. Pereira, O.R. Machado-Neto, R.A. Curi and L.A.L. Chardulo

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Reproduction Physiology*Original research articles*

Proteome of follicular fluid from Murrah buffaloes (*Bubalus bubalis*): Normal cycling versus repeat-breeder females
S. Kumar, M.S. Chaves, M.F. van Tilburg, A.A. Moura, A.F. de Oliveira-Lopes, W.G. Vale, S.T. Rolim Filho, L.M.C. Pereira, A.F.B. da Silva, Y.F. Watanabe, M.A.L. de Oliveira, L.M. Melo and V.J.d.F. Freitas

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