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

- Estimating the copy number of the agouti signaling protein (*ASIP*) gene in goat breeds with different color patterns
D. Guan, A. Castelló, M.G. Luigi-Sierra, V. Landi, J.V. Delgado, A. Martínez and M. Amills 104440

Ruminant Nutrition*Original research articles*

- Effect of walking exercise and nutritional plan on goat performance
M.C. D'Oliveira, M. Vedovatto, I.M. Cortada Neto, R.N. Coelho, M.d.G. Morais, M.d.N.B. Gomes, J.A. Negrão and G.L. Franco 104450
- Difructose anhydride III improves feed intake immediately after calving in multiparous cows
M. Hanada, S. Wynn and M. Reshalaitihan 104454
- Effects of palm kernel cake in high-concentrate diets on carcass traits and meat quality of feedlot goats
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- Effects of ground corn and *Acacia mearnsii* tannin extract supplementation on nitrogen excretion and nitrous oxide emissions from sheep
M.N. de Souza, C. Bayer, M. Lassalas, G.M. Michelon, L.H. Schaitz, R. Biasiolo, M. Civiero and H.M.N. Ribeiro-Filho 104458

Non-Ruminant Nutrition*Original research articles*

- Effect of dietary supplementation with a blend of protected aromatic compounds, including benzoic acid, on growth performance and faecal microbial profile of weaned piglets as an alternative to Zinc Oxide
F. Correa, D. Luise, M. Castillo, S. Peris, A. Palomo-Yague, P. Bosi and P. Trevisi 104455

Behaviour, Health and Welfare

- A conceptual model of the human-animal relationships dynamics during newborn handling on cow-calf operation farms
F.d.O. Costa, T.S. Valente, L.M. de Toledo, L.A. Ambrósio, M.d. Campo and M.J.R. Paranhos da Costa 104462

Original research articles

- Associations between skin lesion counts, hair cortisol concentrations and reproductive performance in group housed sows
M.E. Lagoda, K. O'Driscoll, J. Marchewka, S. Foister, S.P. Turner and L.A. Boyle 104463

Livestock Farming Systems and Management*Original research articles*

- Is the farming method (cage, barn, organic) a relevant factor for marketed egg quality traits?
A. Dalle Zotte, M. Cullere, E. Pellattiero, A. Sartori, A. Marangon and V. Bondesan 104453

Quality traits of fresh Iberian loin according to slaughter age and short-term freezing
A. Ortiz, E. González, S. García-Torres, A.I. Andrés, M.J. Petró and D. Tejerina 104460

Short communication

Short communication: climate impact of Australian livestock production assessed using the GWP* climate metric
B. Ridoutt 104459

Physiology

Original research articles

Profiles of dairy cows with different productive lifespan emerge from multiple traits assessed at first lactation: the case of a grassland-based dairy system
L.B. Mendes, M. Coppa, J. Rouel, B. Martin, B. Dumont, A. Ferlay, C. Espinasse and F. Blanc 104443

Are crossbred cattle (F1, *Bos indicus* x *Bos taurus*) thermally different to the purebred *Bos indicus* cattle under moderate conditions?

G.A.B. Moura, C.C.d.M. Costa, V.d.F.C. Fonsêca, G. Wijffels, P.A. Castro, M.C. Neto and A.S.C. Maia

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