

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

Evaluation by re-derivation of a paternal line after 18

generations on seminal traits, proteome and fertility

J.D. Juárez, F. Marco-Jiménez, A.M. Talaván,

X. García-Domínguez, M.P. Viudes-de-Castro,

R. Lavara and J.S. Vicente

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Economic selection index to improve fiber quality in

Mongolian Cashmere goats

B. Tseveenjav, D.J. Garrick, E. Batjargal and Z. Yondon

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Genetic diversity, population structure and runs of

homozygosity in Ethiopian short fat-tailed and Awassi

sheep breeds using genome-wide 50k SNP markers

T. Getachew, A. Haile, G. Mészáros, B. Rischkowsky,

H.J. Huson, S. Gizaw, M. Wurzinger, A.O. Mwai

and J. Sölkner

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Genome association of carcass and palatability traits

from *Bos indicus*-*Bos taurus* crossbred steers within

electrical stimulation status and correspondence with

steer temperament 2. Palatability

D.G. Riley, R.K. Miller, K.L. Nicholson, C.A. Gill,

A.D. Herring, P.K. Riggs, J.E. Sawyer, J.W. Savell

and J.O. Sanders

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Automated computer vision system to predict body

weight and average daily gain in beef cattle during

growing and finishing phases

A. Cominotte, A.F.A. Fernandes, J.R.R. Dorea,

G.J.M. Rosa, M.M. Ladeira, E.H.C.B. van Cleef,

G.L. Pereira, W.A. Baldassini and O.R. Machado Neto

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breed production systems in Burkina Faso with

implication for the design of breeding programs

D. Ouédraogo, A. Soudré, S. Ouédraogo-Koné,

B.L. Zoma, B. Yougbaré, N. Khayatzadeh, P.A. Burger,

G. Mészáros, A. Traoré, O.A. Mwai, M. Wurzinger

and J. Sölkner

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Different beef breed sires used for crossbreeding with

Swedish dairy cows - effects on calving performance

and carcass traits

S. Eriksson, P. Ask-Gullstrand, W.F. Fikse, E. Jonsson,

J.-Å. Eriksson, H. Stålhammar, A. Wallenbeck

and A. Hesse

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Genotype-environment interaction for age at first calving

in Limousine and Charolais cattle raised in Italy,

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M.P.G. de Rezende, C.H.M. Malhado, S. Biffani,

P.L.S. Carneiro, J.A. Carrillo and R. Bozzi

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Accuracy of estimates of milk production per lactation

from limited test-day and recall data collected at

smallholder dairy farms

S.A. Migose, A. van der Linden, B.O. Bebe,

I.J.M. de Boer and S.J. Oosting

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Hierarchical clustering analysis based on metabolite levels in the hemolymph of different genetic strains of silkworm (*Bombyx mori* L., 1758) with regard to cocoon shell to cocoon weight ratio

A. Seidavi, Z. Hossain, N.G. Rubiu and M.G. Cappai

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Demographic structure and population dynamics of Maremmana cattle local breed after 35 years of traditional selection

M. Fioretti, R. Negrini, S. Biffani, A. Quaglia,

A. Valentini and A. Nardone

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Assessing economic consequences of improved animal welfare in Swedish cattle fattening operations using a stochastic partial budgeting approach

H. Ahmed, K. Alvåsen, C. Berg, H. Hansson,

J. Hultgren, H. Röcklinsberg and U. Emanuelson

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G. Martínez-Velázquez, A. Ríos-Utrera,

S.I. Román-Ponce, J.J. Baeza-Rodríguez,

M.E. Arechavaleta-Velasco, M. Montaña-Bermúdez

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S.V.S.A. Maciel, V.H.O. de Queiroz, C.A.A. de Oliveira,

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G.M.F. de Camargo

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*Short communication*Genetic diversity of *TLR3* and *TLR8* genes among five

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Y. Chen, Y. Yang, C. Li, R. Li, H. Xiao and S. Chen

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Effect of the rate of artificial insemination and paternity knowledge on the genetic gain for French meat sheep breeding programs

J. Raoul and J.-M. Elsen

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Effects of soybean oil or various levels of whole cottonseed on growth performance, carcass traits, and meat quality of finishing bulls

V.N. de Gouvêa, M.V. Biehl, T.S. Andrade,

M.V. de Castro Ferraz Junior Junior, E.M. Ferreira,

D.M. Polizel, D.S. Antonelo, A.M. Bridi, F.N. Owens

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