



Access
leading
journals in
your subject

Cambridge Core

Explore today at cambridge.org/core

Cambridge **Core**



CONTENTS

Breeding and genetics

Song, H., Li, L., Zhang, Q., Zhang, S. and Ding, X. Accuracy and bias of genomic prediction with different de-regression methods 1111

Sottile, G., Sardina, M. T., Mastrangelo, S., Di Gerlando, R., Tolone, M., Chioldi, M. and Portolano, B. Penalized classification for optimal statistical selection of markers from high-throughput genotyping: application in sheep breeds 1118

Marchesi, J. A. P., Buzanskas, M. E., Cantão, M. E., Ibelli, A. M. G., Peixoto, J. O., Joaquim, L. B., Moreira, G. C. M., Godoy, T. F., Sbardella, A. P., Figueiredo, E. A. P., Coutinho, L. L., Munari, D. P. and Ledur, M. C. Relationship of runs of homozygosity with adaptive and production traits in a paternal broiler line 1126

Zappaterra, M., Mazzoni, M., Zambonelli, P. and Davoli, R. Investigation of the *Perilipin 5* gene expression and association study of its sequence polymorphism with meat and carcass quality traits in different pig breeds 1135

Nutrition

Konieczka, P. and Smulikowska, S. Viscosity negatively affects the nutritional value of blue lupin seeds for broilers 1144

Poelaert, C., Nolleaux, G., Boudry, C., Taminiau, B., Nezer, C., Daube, G., Schneider, Y.-J., Portetelle, D., Théwis, A. and Bindelle, J. Reducing agent can be omitted in the incubation medium of the batch *in vitro* fermentation model of the pig intestines 1154

Gonzalo, E., Létourneau-Montminy, M. P., Narcy, A., Bernier, J. F. and Pomar, C. Consequences of dietary calcium and phosphorus depletion and repletion feeding sequences on growth performance and body composition of growing pigs 1165

González-García, E., de Oliveira Golini, P., Hassoun, P., Bocquier, F., Hazard, D., González, L. A., Ingham, A. B., Bishop-Hurley, G. J. and Greenwood, P. L. An assessment of Walk-over-Weighing to estimate short-term individual forage intake in sheep 1174

Daniel, J. B., Friggins, N. C., van Laar, H., Ingartsen, K. L. and Sauvant, D. Modeling homeoretic trajectories of milk component yields, body composition and dry-matter intake in dairy cows: Influence of parity, milk production potential and breed 1182

Physiology and functional biology

Mozduri, Z., Bakhtiarizadeh, M. R. and Salehi, A. Integrated regulatory network reveals novel candidate regulators in the development of negative energy balance in cattle 1196

Fang, T., Zheng, J., Cao, W., Jia, G., Zhao, H., Chen, X., Cai, J., Wang, J. and Liu, G. Effects of spermine on the antioxidant status and gene expression of antioxidant-related signaling molecules in the liver and longissimus dorsi of piglets 1208

Martínez-Álvaro, M., Paucar, Y., Satué, K., Blasco, A. and Hernández, P. Liver metabolism traits in two rabbit lines divergently selected for intramuscular fat 1217

Krischek, C., Wimmers, K., Janisch, S., Wicke, M. and Sharifi, A. R. Temperature alterations during embryogenesis have a sex-dependent influence on growth properties and muscle metabolism of day-old chicks and 35-day-old broilers 1224

Zhang, X. Y., Wu, M. Q., Wang, S. Z., Zhang, H., Du, Z. Q., Li, Y. M., Cao, Z. P., Luan, P., Leng, L. and Li, H. Genetic selection on abdominal fat content alters the reproductive performance of broilers 1232

Sirotkin, A. V., Kadasi, A., Stochmalova, A., Balazi, A., Földesiová, M., Makovicky, P., Makovicky, P., Chrenek, P. and Harrath, A. H. Effect of turmeric on the viability, ovarian folliculogenesis, fecundity, ovarian hormones and response to luteinizing hormone of rabbits 1242

Welfare, behaviour and health management

Green, A. C., Johnston, I. N. and Clark, C. E. F. Invited review: The evolution of cattle bioacoustics and application for advanced dairy systems 1250

Larsen, M. L. V., Andersen, H. M.-L. and Pedersen, L. J. Which is the most preventive measure against tail damage in finisher pigs: tail docking, straw provision or lowered stocking density? 1260

Larsen, M. L. V., Andersen, H. M.-L. and Pedersen, L. J. Which is the most preventive measure against tail damage in finisher pigs: tail docking, straw provision or lowered stocking density? – CORRIGENDUM 1268

Ventura-Cordero, J., González-Pech, P. G., Jaimez-Rodríguez, P. R., Ortiz-Ocampo, G. I., Sandoval-Castro, C. A. and Torres-Acosta, J. F. J. Feed resource selection of Criollo goats artificially infected with *Haemonchus contortus*: nutritional wisdom and prophylactic self-medication 1269

Livestock farming systems

Cadéro, A., Aubry, A., Brossard, L., Dourmad, J. Y., Salaün, Y. and Garcia-Launay, F. Modelling interactions between farmer practices and fattening pig performances with an individual-based model 1277

Bonneau, M., Čandek-Potokar, M., Škrlep, M., Font-i-Furnols, M., Aluwé, M., The Castrum network and Fontanés, L. Potential sensitivity of pork production situations aiming at high-quality products to the use of entire male pigs as an alternative to surgical castrates 1287

Orjales, I., Herrero-Latorre, C., Miranda, M., Rey-Crespo, F., Rodríguez-Bermúdez, R. and López-Alonso, M. Evaluation of trace element status of organic dairy cattle 1296

Quality of animal products

Zhuo, Y., Wang, J., Liu, H., Mou, D., Adebawale, T., Che, L., Fang, Z., Xu, S., Liu, G., Lin, Y., Feng, B., Abdullah Al-Dhabi, N., Li, J., Duraipandiyar, V. and Wu, D. Effects of maternal methyl donor on the pork characteristics of offspring pigs with prenatal exposure to bisphenol A 1306

Škrlep, M., Čandek-Potokar, M., Tomažin, U., Batorek Lukač, N. and Flores, M. Properties and aromatic profile of dry-fermented sausages produced from Krškopolje pigs reared under organic and conventional rearing regime 1316

Silva, S. R., Afonso, J., Monteiro, A., Morais, R., Cabo, A., Batista, A. C., Guedes, C. M. and Teixeira, A. Application of bioelectrical impedance analysis in prediction of light kid carcass and muscle chemical composition 1324

Corrigendum

Blunk, I., Mayer, M., Hamann, H. and Reinsch, N. A new model for parent-of-origin effect analyses applied to Brown Swiss cattle slaughterhouse data 1331

Cambridge Core

For further information about this journal
please go to the journal web site at:
cambridge.org/animal

MIX
Paper from
responsible
sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS