



Access
leading
journals in
your subject

Cambridge Core

Explore today at [cambridge.org/core](https://www.cambridge.org/core)

Cambridge Core



CAMBRIDGE
UNIVERSITY PRESS

CONTENTS

Breeding and genetics

Bertolini, F., Schiavo, G., Galimberti, G., Bovo, S., D'Andrea, M., Gallo, M., Buttazzoni, L., Rothschild, M. F. and Fontanesi, L.
Genome-wide association studies for seven production traits highlight genomic regions useful to dissect dry-cured ham quality and production traits in Duroc heavy pigs 1777

Xing, G. D., Hu, Y. N., Ding, Q., Wang, X. X., Xing, F., Wang, H. L., Huan, H. L. and Xu, Y. X.
Pig identification and meat traceability by multiallelic amplification fragments with multiple single nucleotide polymorphisms 1785

Emamgholi Begli, H., Vaez Torshizi, R., Masoudi, A. A., Ehsani, A. and Jensen, J.
Genomic dissection and prediction of feed intake and residual feed intake traits using a longitudinal model in F2 chickens 1792

Desire, S., Mucha, S., Coffey, M., Mrode, R., Broadbent, J. and Conington, J.
Pseudopregnancy and aseasoneal breeding in dairy goats: genetic basis of fertility and impact on lifetime productivity 1799

Silva, D. O., Santana, M. L., Ayres, D. R., Menezes, G. R. O., Silva, L. O. C., Nobre, P. R. C. and Pereira, R. J.
Genetic parameters for stayability to consecutive calvings in Zebu cattle 1807

Nutrition

Kenny, D. A., Fitzsimons, C., Waters, S. M. and McGee, M.
Invited review: Improving feed efficiency of beef cattle – the current state of the art and future challenges 1815

Cantalapiedra-Hijar, G., Dewhurst, R. J., Cheng, L., Cabrita, A. R. J., Fonseca, A. J. M., Nozière, P., Makowski, D., Fouillet, H. and Ortigues-Marty, I.
Nitrogen isotopic fractionation as a biomarker for nitrogen use efficiency in ruminants: a meta-analysis 1827

Santos, A., Valdés, C., Giráldez, F. J., López, S., France, J., Frutos, J., Fernández, M. and Andrés, S.
Feed efficiency and the liver proteome of fattening lambs are modified by feed restriction during the suckling period 1838

Gerlach, K., Pries, M., Tholen, E., Schmithausen, A. J., Büscher, W. and Südekum, K.-H.
Effect of condensed tannins in rations of lactating dairy cows on production variables and nitrogen use efficiency 1847

Cremonesi, P., Conte, G., Severgnini, M., Turri, F., Monni, A., Capra, E., Rapetti, L., Colombini, S., Chessa, S., Battelli, G., Alves, S. P., Mele, M. and Castiglioni, B.
Evaluation of the effects of different diets on microbiome diversity and fatty acid composition of rumen liquor in dairy goat 1856

Physiology and functional biology

Arnau-Bonachera, A., Cervera, C., Blas, E., Larsen, T., Martínez-Paredes, E., Ródenas, L. and Pascual, J. J.
Long-term implications of feed energy source in different genetic types of reproductive rabbit females: I. Resource acquisition and allocation 1867

Penadés, M., Arnau-Bonachera, A., García-Quirós, A., Viana, D., Selva, L., Corpa, J. M. and Pascual, J. J.
Long-term implications of feed energy source in different genetic types of reproductive rabbit females: II. Immunologic status 1877

Arnau-Bonachera, A., Savietto, D. and Pascual, J. J.
Long-term implications of feed energy source in different genetic types of reproductive rabbit females: III. Fitness and productivity 1886

Fu, C., Liu, L. and Li, F.
Acetate alters the process of lipid metabolism in rabbits 1895

Liu, S. Q., Wang, L. Y., Liu, G. H., Tang, D. Z., Fan, X. X., Zhao, J. P., Jiao, H. C., Wang, X. J., Sun, S. H. and Lin, H.
Leucine alters immunoglobulin a secretion and inflammatory cytokine expression induced by lipopolysaccharide via the nuclear factor- κ B pathway in intestine of chicken embryos 1903

Vaughn, M. A., Phelps, K. J. and Gonzalez, J. M.
In vitro supplementation with the porcine plasma product, betaGRO[®], stimulates activity of porcine fetal myoblasts and neonatal satellite cells in a divergent manner 1912

Kaminski, T., Smolinska, N., Kiezun, M., Dobrzyn, K., Szeszko, K. and Maleszka, A.
Effect of orexin B on CYP17A1 and CYP19A3 expression and oestradiol, oestrone and testosterone secretion in the porcine uterus during early pregnancy and the oestrous cycle 1921

Welfare, behaviour and health management

Baxter, M., Bailie, C. L. and O'Connell, N. E.
An evaluation of potential dustbathing substrates for commercial broiler chickens 1933

Vieira, A., Battini, M., Can, E., Mattiello, S. and Stilwell, G.
Inter-observer reliability of animal-based welfare indicators included in the Animal Welfare Indicators welfare assessment protocol for dairy goats 1942

Kielland, C., Wisløff, H., Valheim, M., Fauske, A. K., Reksen, O. and Framstad, T.
Prewaning mortality in piglets in loose-housed herds: etiology and prevalence 1950

Mötus, K., Viltrop, A. and Emanuelson, U.
Reasons and risk factors for beef calf and youngstock on-farm mortality in extensive cow-calf herds 1958

Livestock farming systems

Bell, L. W., Moore, A. D. and Thomas, D. T.
Integrating diverse forage sources reduces feed gaps on mixed crop-livestock farms 1967

Delhez, P., Wyzen, B., Dalco, A.-C., Colinet, F. G., Reding, E., Vanlierde, A., Dehareng, F., Gengler, N. and Soyeurt, H.
Relationships between milk mid-IR predicted gastro-enteric methane production and the technical and financial performance of commercial dairy herds 1981

Andretta, I., Hauschild, L., Kipper, M., Pires, P. G. S. and Pomar, C.
Environmental impacts of precision feeding programs applied in pig production 1990

