
Animal Breeding and Genetics

- 1061** Genome scan linkage analysis identifies a major quantitative trait loci for fatty acid composition in *longissimus dorsi* muscle in an F₂ intercross between Landrace and Korean native pigs
Hee-Bok Park, Sang-Hyun Han, Chae-Kyoung Yoo, Jae-Bong Lee, Ji-Hyang Kim, Kwang-Soo Baek, Jun-Kyu Son, Sang-Min Shin, Hyun-Tae Lim, In-Cheol Cho (Korea)
- 1066** Genome-wide association study identifies 22 new loci for body dimension and body weight traits in a White Duroc×Erhualian F₂ intercross population
Jiuxiu Ji, Lisheng Zhou, Yuanmei Guo, Lusheng Huang, Junwu Ma (China)
- 1074** Genetic correlation between live body measurements and beef cutability traits in Hanwoo steers
Yun Ho Choy, Jae Goo Lee, Alam Mahboob, Tae Jeong Choi, Seung Hee Rho (Korea)
- 1081** Association of a missense mutation in the positional candidate gene glutamate receptor-interacting protein 1 with backfat thickness traits in pigs
Jae-Bong Lee, Hee-Bok Park, Chae-Kyoung Yoo, Hee-Sung Kim, In-Cheol Cho, Hyun-Tae Lim (Korea)

Animal Reproduction and Physiology

- 1086** Polymorphism in the intron 20 of porcine O-linked N-acetylglucosamine transferase
Jong Gug Kim, Dan Nonneman, Doo-Wan Kim, Sangsu Shin, Gary A. Rohrer (Korea)

Ruminant Nutrition and Forage Utilization

- 1093** The effect of lactation number, stage, length, and milking frequency on milk yield in Korean Holstein dairy cows using automatic milking system
Mayakrishnan Vijayakumar, Ji Hoo Park, Kwang Seok Ki, Dong Hyun Lim, Sang Bum Kim, Seong Min Park, Ha Yeon Jeong, Beom Young Park, Tae Il Kim (Korea)
- 1099** Effect of alcohol dehydrogenase 1C (ADH1C) genotype on vitamin A restriction and marbling in Korean native steers
Dong Qiao Peng, U Suk Jung, Jae Sung Lee, Won Seob Kim, Yong Ho Jo, Min Jeong Kim, Young Kun Oh, Youl Chang Baek, Seong Gu Hwang, Hong Gu Lee (Korea)
- 1105** Production responses of Holstein dairy cows when fed supplemental fat containing saturated free fatty acids: a meta-analysis
Wenping Hu, Jacquelyn P. Boerman, James M. Aldrich (USA)
- 1117** Effects of feeding system on growth performance, plasma biochemical components and hormones, and carcass characteristics in Hanwoo steers
Chan Sung Chung, Woong Ki Cho, In Seok Jang, Sung Sill Lee, Yea Hwang Moon (Korea)

Nonruminant Nutrition and Feed Processing

- 1124** Physico-chemical properties of late-incubation egg amniotic fluid and a potential *in ovo* feed supplement
A. A. Omede, M. M. Bhuiyan, A. F. Islam, P. A. Iji (Australia)
- 1135** An evaluation of heat on protein oxidation of soy protein isolate or soy protein isolate mixed with soybean oil *in vitro* and its consequences on redox status of broilers at early age
Xianglun Zhang, Peng Lu, Wenye Xue, Dawei Wu, Chao Wen, Yanmin Zhou (China)

- 1143** Evaluation of mango saponin in broilers: effects on growth performance, carcass characteristics, meat quality and plasma biochemical indices
Y. N. Zhang, J. Wang, B. Qi, S. G. Wu, H. R. Chen, H. Y. Luo, D. J. Yin, F. J. Lü, H. J. Zhang, G. H. Qi (China)
- 1150** Effects of wheat supplementation levels on growth performance, blood profiles, nutrient digestibility, and pork quality in growing-finishing pigs
Tae Hee Han, Jin Su Hong, Lin Hu Fang, Sung Ho Do, Byung Ock Kim, Yoo Yong Kim (Korea)
- 1160** Effects of proteinate complex zinc on growth performance, hepatic and splenic trace elements concentrations, antioxidative function and immune functions in weaned piglets
Yue She, Qiang Huang, Defa Li, Xiangshu Piao (China)

Animal Products

- 1168** Volatile compounds and some physico-chemical properties of pastırma produced with different nitrate levels
Ahmet Akköse, Nazen Ünal, Barış Yalınkılıç, Güzin Kaban, Mükerrerem Kaya (Turkey)

Animal Biotechnology

- 1175** Human lactoferrin efficiently targeted into caprine beta-lactoglobulin locus with transcription activator-like effector nucleases
Yu-Guo Yuan, Shao-Zheng Song, Meng-Ming Zhu, Zheng-Yi He, Rui Lu, Ting Zhang, Fei Mi, Jin-Yu Wang, Yong Cheng (China)
- 1183** Functional analysis of SH3 domain containing ring finger 2 during the myogenic differentiation of quail myoblast cells
Si Won Kim, Jeong Hyo Lee, Tae Sub Park (Korea)

Animal Health

- 1190** Adiponectin induced AMP-activated protein kinase impairment mediates insulin resistance in Bama mini-pig fed high-fat and high-sucrose diet
Miaomiao Niu, Lei Xiang, Yaqian Liu, Yuqiong Zhao, Jifang Yuan, Xin Dai, Hua Chen (China)

Environment and Management

- 1198** Isolation and characterization of new *Methanosarcina mazei* strains KOR-3, -4, -5, and -6 from an anaerobic digester using pig slurry
Urantulkhuur Battumur, Youngman Yoon, Gui Sek Bae, Chang-Hyun Kim (Korea)