

Animal Breeding and Genetics

- 1801** Population genetic variations of the matrix metalloproteinases-3 gene revealed hypoxia adaptation in domesticated yaks (*Bos grunniens*)
Xuezhi Ding, Chao Yang, Pengjia Bao, Xiaoyun Wu, Jie Pei, Ping Yan, Xian Guo (China)
- 1809** Identification of copy number variations using high density whole-genome single nucleotide polymorphism markers in Chinese Dongxiang spotted pigs
Chengbin Wang, Hao Chen, Xiaopeng Wang, Zhongping Wu, Weiwei Liu, Yuanmei Guo, Jun Ren, Nengshui Ding (China)
- 1816** Analysis of allele-specific expression using RNA-seq of the Korean native pig and Landrace reciprocal cross
Byeongyong Ahn, Min-Kyeong Choi, Joori Yum, In-Cheol Cho, Jin-Hoi Kim, Chankyu Park (Korea)
- 1826** Effects of quantitative trait loci determining testicular weight in DDD/Sgn inbred mice are strongly influenced by circulating testosterone levels
Jun-ichi Suto, Misaki Kojima (Japan)
- 1836** Application of single-step genomic evaluation using social genetic effect model for growth in pig
Joon Ki Hong, Young Sin Kim, Kyu Ho Cho, Deuk Hwan Lee, Ye Jin Min, Eun Seok Cho (Korea)
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Animal Reproduction and Physiology

- 1844** The use of pituitary adenylate cyclase-activating polypeptide in the pre-maturation system improves *in vitro* developmental competence from small follicles of porcine oocytes
Kyu-Mi Park, Kyu-Jun Kim, Minghui Jin, Yongquan Han, Kyoung-Ha So, Sang-Hwan Hyun (Korea)
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Ruminant Nutrition and Forage Utilization

- 1854** Chemical composition and *in vitro* digestibility of corn stover during field exposure and the fermentation characteristics of silage prepared with microbial additives
Jun Lei Gao, Peng Wang, Chang Hai Zhou, Ping Li, Hong Yu Tang, Jia Bao Zhang, Yimin Cai (China)
- 1864** Impact of *Ecklonia stolonifera* extract on *in vitro* ruminal fermentation characteristics, methanogenesis, and microbial populations
Shin Ja Lee, Jin Suk Jeong, Nyeon Hak Shin, Su Kyoung Lee, Hyun Sang Kim, Jun Sik Eom, Sung Sill Lee (Korea)
- 1873** Lactic acid bacterial inoculant effects on the vitamin content of alfalfa and Chinese leymus silage
Tingting Jia, Zhiqiang Sun, Run Gao, Zhu Yu (China)

**Nonruminant
Nutrition and
Feed Processing**

- 1882** Carcass characteristics of lambs fed diets with increasing levels of crude glycerin

Caio Alves da Costa, Francisco Fernando Ramos de Carvalho, Adriana Guim, Gilcifran Prestes de Andrade, Daniel Barros Cardoso, Michel do Vale Maciel, Gabriela Gonçalves da Silva, Andreza Guedes de Oliveira Nascimento (Brazil)

- 1889** Prepartum body condition score affects milk yield, lipid metabolism, and oxidation status of Holstein cows

Wei Zhao, Xue Chen, Jun Xiao, Xiao Hui Chen, Xue Feng Zhang, Tao Wang, Yu Guo Zhen, Gui Xin Qin (China)

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- 1897** Dietary phosphorus deficiency impaired growth, intestinal digestion and absorption function of meat ducks

Huimin Xu, Shujun Dai, Keying Zhang, Xuemei Ding, Shiping Bai, Jianping Wang, Huanwei Peng, Qiufeng Zeng (China)

- 1907** Effects of feed intake on the diversity and population density of homoacetogens in the large intestine of pigs

Hiroki Matsui, Ayumi Mimura, Sakiko Maekawa, Tomomi Ban-Tokuda (Japan)

- 1914** Effect of stocking density and alpha-lipoic acid on the growth performance, physiological and oxidative stress and immune response of broilers

Wenjia Li, Fengxian Wei, Bin Xu, Quanyou Sun, Wen Deng, Huihui Ma, Jie Bai, Shaoyu Li (China)

Animal Products

- 1923** Effect of visual marbling levels in pork loins on meat quality and Thai consumer acceptance and purchase intent

Sawankamol Noidad, Rutcharin Limsupavanich, Suntaree Suwonsichon, Chanporn Chaosap (Thailand)

- 1933** Effects of natural nitrite source from Swiss chard on quality characteristics of cured pork loin

Tae-Kyung Kim, Ko-Eun Hwang, Dong-Heon Song, Youn-Kyung Ham, Young-Boong Kim, Hyun-Dong Paik, Yun-Sang Choi (Korea)

**Animal
Biotechnology**

- 1942** Transcriptional regulation of chicken leukocyte cell-derived chemotaxin 2 in response to toll-like receptor 3 stimulation

Seokhyun Lee, Ra Ham Lee, Sung-Jo Kim, Hak-Kyo Lee, Chong-Sam Na, Ki-Duk Song (Korea)