

Animal Breeding and Genetics

- 1535** Polymorphisms of melatonin receptor genes and their associations with egg production traits in Shaoxing duck
Peishi Feng, Wanqiu Zhao, Qiang Xie, Tao Zeng, Lizhi Lu, Lin Yang (China)
- 1542** Prediction of random-regression coefficient for daily milk yield after 305 days in milk by using the regression-coefficient estimates from the first 305 days
Takeshi Yamazaki, Hisato Takeda, Koichi Hagiya, Satoshi Yamaguchi, Osamu Sasaki (Japan)
- 1550** Expression profiles of circular RNAs in sheep skeletal muscle
Yang Cao, Shuang You, Yang Yao, Zhi-Jin Liu, Wureli Hazi, Cun-Yuan Li, Xiang-Yu Zhang, Xiao-Xu Hou, Jun-Chang Wei, Xiao-Yue Li, Da-Wei Wang, Chuang-Fu Chen, Yun-Feng Zhang, Wei Ni, Sheng-Wei Hu (China)
- 1558** Monitoring conservation effects on a Chinese indigenous chicken breed using major histocompatibility complex B-G gene and DNA Barcodes
Yunjie Tu, Jingting Shu, Gaige Ji, Ming Zhang, Jianmin Zou (China)
- 1565** Screening for candidate genes related with histological microstructure, meat quality and carcass characteristic in pig based on RNA-seq data
Katarzyna Ropka-Molik, Anna Bereta, Kacper Żukowski, Mirosław Tyra, Katarzyna Piórkowska, Grzegorz Żak, Maria Oczkowicz (Poland)
- 1575** Selection response and estimation of the genetic parameters for multidimensional measured breast meat yield related traits in a long-term breeding Pekin duck line
Yaxi Xu, Jian Hu, Yunsheng Zhang, Zhanbao Guo, Wei Huang, Ming Xie, Hehe Liu, Chuzhao Lei, Shuisheng Hou, Xiaolin Liu, Zhengkui Zhou (China)
- 1581** Novel splice isoforms of pig myoneurin and their diverse mRNA expression patterns
Xiaohong Guo, Meng Li, Pengfei Gao, Guoqing Cao, Zhimin Cheng, Wanfeng Zhang, Jianfeng Liu, Xiaojun Liu, Bugao Li (China)
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Animal Reproduction and Physiology

- 1591** Expression of selenium-independent glutathione peroxidase 5 (GPx5) in the epididymis of Small Tail Han sheep
Ruilan Li, Xiaomei Fan, Tong Zhang, Huizi Song, Xiaona Bian, Rile Nai, Jinqian Li, Jiabin Zhang (China)
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Ruminant Nutrition and Forage Utilization

- 1598** *In vitro* and *in vivo* evaluation of kenaf (*Hibiscus cannabinus* L.) as a roughage source for beef cattle
Seongjin Oh, David Tintotenda Mbiriri, Chaehwa Ryu, Kangheon Lee, Sangbueum Cho, Nag-Jin Choi (Korea)
- 1604** Can the body composition of crossbred dairy cattle be predicted by equations for beef cattle?
Maria Luciana Menezes Wanderley Neves, Evaristo Jorge Oliveira de Souza, Robson Magno Liberal Vêras, Sebastião de Campos Valadares Filho, Marcos Inácio Marcondes, Gabriel Santana da Silva, Lígia Maria Gomes Barreto, Marcelo de Andrade Ferreira, Antonia Sherlânea Chaves Vêras (Brazil)

- 1611** Effects of different amylose to amylopectin ratios on rumen fermentation and development in fattening lambs
Fangfang Zhao, Wen Ren, Aizhong Zhang, Ning Jiang, Wen Liu, Faming Wang (China)
- 1619** Digestibility, ruminal fermentation, and nitrogen balance with various feeding levels of oil palm fronds treated with *Lentinus sajor-caju* in goats
Puwadon Hamchara, Pin Chanjula, Anusorn Cherdthong, Metha Wanapat (Thailand)
- 1627** Can cactus (*Opuntia stricta* [Haw.] Haw) cladodes plus urea replace wheat bran in steers' diet?
Maria Gabriela da Conceição, Marcelo de Andrade Ferreira, Janaina de Lima Silva, Cléber Thiago Ferreira Costa, Juana Catarina Cariri Chagas, Carolina Corrêa de Figueiredo Monteiro (Brazil)
- 1635** *In vitro* evaluation of *Rhus succedanea* extracts for ruminants
Do Hyung Kim, Shin Ja Lee, Da Som Oh, Il Dong Lee, Jun Sik Eom, Ha Young Park, Seong Ho Choi, Sung Sill Lee (Korea)
- 1643** Effect of increased dietary crude protein levels on production performance, nitrogen utilisation, blood metabolites and ruminal fermentation of Holstein bulls
Chuanqi Xia, Muhammad Aziz Ur Rahman, He Yang, Taoqi Shao, Qinghua Qiu, Huawei Su, Binghai Cao (China)
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Nonruminant Nutrition and Feed Processing

- 1654** Effects of dietary supplementation with fermented and non-fermented brown algae by-products on laying performance, egg quality, and blood profile in laying hens
Yongjun Choi, Eun Chae Lee, Youngjun Na, Sang Rak Lee (Korea)
- 1660** Effect of probiotics and xylo-oligosaccharide supplementation on nutrient digestibility, intestinal health and noxious gas emission in weanling pigs
J B Liu, S C Cao, J Liu, Y N Xie, H F Zhang (China)
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Animal Products

- 1670** Application of AutoFom III equipment for prediction of primal and commercial cut weight of Korean pig carcasses
Jung Seok Choi, Ki Mun Kwon, Young Kyu Lee, Jang Uk Joeng, Kyung Ok Lee, Sang Keun Jin, Yang Il Choi, Jae Joon Lee (Korea)
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Animal Health

- 1677** Phytochemicals and antioxidant capacity of some tropical edible plants
Heeok Hong, Jun-Hyeong Lee, Soo-Ki Kim (Korea)