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- 941** Complete mitochondrial genome sequence of Tosa-Jidori sheds light on the origin and evolution of Japanese native chickens
Sayed A.-M. Osman, Masahide Nishibori, Takahiro Yonezawa (Japan)
- 949** The effect of extended lactation on parameters of Wood's model of lactation curve in dairy Simmental cows
Tomáš Kopec, Gustav Chládek, Daniel Falta, Josef Kučera, Milan Večeřa, Oto Hanuš (Czech Republic)
- 957** miR-458b-5p regulates ovarian granulosa cells proliferation through Wnt/ β -catenin signaling pathway by targeting catenin beta-1
Wenwen Wang, Jun Teng, Xu Han, Shen Zhang, Qin Zhang, Hui Tang (China)
- 967** Genetic relationship between purebred and synthetic pigs for growth performance using single step method
Joon Ki Hong, Kyu Ho Cho, Young Sin Kim, Hak Jae Chung, Sun Young Baek, Eun Seok Cho, Soo Jin Sa (Korea)
- 975** Identification of genes involved in inbreeding depression of reproduction in Langshan chickens
Qian Xue, Guohui Li, Yuxia Cao, Jianmei Yin, Yunfen Zhu, Huiyong Zhang, Chenghao Zhou, Haiyu Shen, Xinhong Dou, Yijun Su, Kehua Wang, Jianmin Zou, Wei Han (China)

Animal Reproduction and Physiology

- 985** Topical application of cervix with hyaluronan improves fertility in goats inseminated with frozen-thawed semen
Sukanya Leethongdee, Anone Thuangsanthia, Muhammad Khalid (Thailand)
- 993** Zearalenone exposure affects the Wnt/ β -catenin signaling pathway and related genes of porcine endometrial epithelial cells *in vitro*
Tingting Song, Weiren Yang, Libo Huang, Zaibin Yang, Shuzhen Jiang (China)
- 1006** Protective effects of 5-aminolevulinic acid on heat stress in bovine mammary epithelial cells
Md Aminul Islam, Yoko Noguchi, Shin Taniguchi, Shinichi Yonekura (Japan)

Ruminant Nutrition and Forage Utilization

- 1014** Performance of growing lambs supplemented with ground licuri (*Syagrus coronata*)
Adin Daza, Jocely G. Souza, Joao Paulo I. S. Monnerat, Claudio V. D. M. Ribeiro (Brazil)
- 1022** Nitrate supplementation of rations based on rice straw but not Pangola hay, improves growth performance in meat goats
Siwaporn Paengkoum, Jiravan Khotsakdee, Pramote Paengkoum, Thomas Schonewille, Chalermpon Yuangklang (Thailand)

**Nonruminant
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- 1029** Application of lactic acid bacteria producing antifungal substance and carboxylesterase on whole crop rice silage with different dry matter
Seong Shin Lee, Dimas Hand Vidya Paradhita, Hyuk Jun Lee, Young Ho Joo, Hyeon Tak Noh, Jeong Seok Choi, Keum Bae Ji, Sam Churl Kim (Korea)
- 1038** Effect of storage time and the level of formic acid on fermentation characteristics, epiphytic microflora, carbohydrate components and *in vitro* digestibility of rice straw silage
Jie Zhao, Siran Wang, Zhihao Dong, Junfeng Li, Yushan Jia, Tao Shao (China)

Animal Products

- 1049** Endogenous enzyme activities and tibia bone development of broiler chickens fed wheat-based diets supplemented with xylanase, β -glucanase and phytase
Mohammed Al-Qahtani, Emmanuel Uchenna Ahiwe, Medani Eldow Abdallah, Edwin Peter Chang'a, Harriet Gausi, Michael R Bedford, Paul Ade Iji (Australia)
- 1061** Effects of feed form and particle size on growth performance, nutrient digestibility, carcass characteristics, and gastric health in growing-finishing pigs
Yun Yeong Jo, Myung Jae Choi, Woo Lim Chung, Jin Su Hong, Jong Seon Lim, Yoo Yong Kim (Korea)

**Animal
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- 1070** Influence of pre-slaughter fasting time on weight loss, meat quality and carcass contamination in broilers
Ge Xue, Silu Cheng, Jingwen Yin, Runxiang Zhang, Yingying Su, Xiang Li, Jianhong Li, Jun Bao (China)
- 1078** Isolation and identification of goose skeletal muscle satellite cells and preliminary study on the function of C1q and tumor necrosis factor-related protein 3 gene
Han Wang, Ke He, Xuehua Zeng, Xiaolong Zhou, Feifei Yan, Songbai Yang, Ayong Zhao (China)