

## Reviews

**Review: Minimally invasive sampling media and the measurement of corticosteroids as biomarkers of stress in animals**

N. J. Cook 227–259

**Review: Prediction of variation in energetic value of wheat for poultry**

M. Yegani and D. R. Korver 261–273

## Breeding and Genetics

**Identification of novel variants of interferon-tau gene in Bighorn sheep (*Ovis canadensis mexicana*), Pelibuey sheep (*Ovis aries*) and its expression in hybrid blastocysts (*Ovis canadensis* × *Ovis aries*)**

M. Palma-Irizarry, P. Damian-Matsumura, M. Betancourt, S. Romo, G. Perales, A. Lagunas-Martínez, M. V. Madrid-Marina, O. Mejía, and Y. Ducolomb 275–283

**SHORT COMMUNICATION: Genetic association of body condition score with disease resistance in first lactation Canadian Holsteins**

A. Koeck, F. Miglior, D. F. Kelton, and F. S. Schenkel 285–289

## Cellular and Molecular Biology

**Quantitation of alternative splicing variants of lactate dehydrogenase C gene in testes of adult yak, sexually immature yak calf and sterile male hybrid of yak**

L. Huang, S.-Y. Jin, Y.-O. Xu, Y.-P. Li, Y.-Q. Lin, and Y.-C. Zheng 291–296

## Physiology and Endocrinology

**Impacts of linseed meal and estradiol-17 $\beta$  on cellularity, angiogenic and vasoactive factor mRNA expression, and vascularity of the uterus in ovariectomized ewes**

B. R. Ilse, M. R. O'Neil, G. P. Lardy, L. P. Reynolds, and K. A. Vonnahme 297–306

## Nonruminant Nutrition

**Effects of dietary dried fermented ginger on growth performance, carcass quality, and intestinal histology of heat-stressed broilers**

D. Khonyoung, K. Yamauchi, T. Buwjoom, B. Maneewan, and N. Thongwittaya 307–317

**Effects of water supplementation with tryptophan and vitamin B<sub>6</sub> or feeding hydrogenated fat on reducing hunger-induced drinking pre-slaughter in pigs**

L. Faucitano, S. Torrey, R. Bergeron, J. R. E. del Castillo, and J. J. Matte 319–326

## Ruminant Nutrition

**Effect of nutritional regimen including limit feeding and breed on growth performance, carcass characteristics and meat quality in beef cattle**

E. M. McGregor, C. P. Campbell, S. P. Miller, P. P. Purslow, and I. B. Mandell 327–341

**Effects of distillers' dried grains with solubles from corn, wheat or a 50:50 corn:wheat blend on performance, carcass characteristics and serum sulphate levels of feedlot steers**

S. Amat, S. Hendrick, T. A. McAllister, H. C. Block, and J. J. McKinnon 343–351

**Evaluation of diagnostic measures for subacute ruminal acidosis in dairy cows**

S. Li, G. N. Gozho, N. Gakhar, E. Khafipour, D. O. Krause, and J. C. Plaizier 353–364

**The effect of brown midrib corn silage and dried distillers' grains with solubles on milk production, nitrogen utilization and microbial community structure in dairy cows**

H. A. R. Ramirez, K. Nestor, L. O. Tedeschi, T. R. Callaway, S. E. Dowd, S. C. Fernando, and P. J. Kononoff 365–380

**Use of thermal imaging and the in situ technique to assess the impact of an inoculant with feruloyl esterase activity on the aerobic stability and digestibility of barley silage**

W. Addah, J. Baah, E. K. Okine, and T. A. McAllister 381–394

**Effects of plants and essential oils on ruminal in vitro batch culture methane production and fermentation**

J. A. Tekippe, A. N. Hristov, K. S. Heyler, V. D. Zhelezkov, J. F. S. Ferreira, C. L. Cantrell, and G. A. Varga 395–408