

## **Welfare, Behaviour and Management**

**Broiler trailer thermal conditions during cold climate transport**

N. A. Burlingquette, M. L. Strawford, J. M. Watts, H. L. Classen, P. J. Shand, and T. G. Crowe 109–122

**An increase in dietary non-structural carbohydrates alters the structure and metabolism of the rumen epithelium in lambs**

M. A. Steele, S. L. Greenwood, J. Croom, and B. W. McBride 123–130

**Decreased litter size in inactive female mink**

**(*Neovison vison*): Mediating variables and implications for overall productivity**  
R. Meagher, A. Bechard, R. Palme, M. Díez-León, D. B. Hunter, and G. Mason 131–141

## **Breeding and Genetics**

**Sequence analysis of a putative goose RIG-I gene**

G. Li, J. Li, Y. Tian, D. Wang, J. Shen, Z. Tao, J. Xu, and L. Lu 143–151

**SHORT COMMUNICATION: The double deletion diplotype showed low levels of prion protein at two indel loci of *PRNP* in the medulla oblongata of Japanese Brown cattle**

G. Msalya, T. Shimogiri, S. Okamoto, K. Kawabe, and Y. Maeda 153–157

## **Cellular and Molecular Biology**

**Expressions of matrix metalloproteinases and their inhibitor are modified by beta-adrenergic agonist Ractopamine in skeletal fibroblasts and myoblasts**

M. C. Cha and P. P. Purslow 159–166

**SHORT COMMUNICATION: An association analysis between one missense polymorphism at the *SREBF1* gene and milk yield and composition traits in goats**

A. Manunza, A. Zidi, V. M. Fernández-Cabanás, J. Jordana, J. Carrizosa, E. Belaifa, B. Urrutia, O. Polvillo, P. González-Redondo, M. Amills, and J. M. Serradilla 167–173

## **Meat Science**

**Modification of beef quality through steer age at slaughter, breed cross and growth promotants**

I. Girard, J. L. Aalhus, J. A. Basarab, I. L. Larsen, and H. L. Bruce 175–188

## **Physiology**

**Dairy cows continuously-housed in tie-stalls failed to manifest activity changes during estrus**

C. A. Felton, M. G. Colazo, P. Ponce-Barajas, C. J. Bench, and D. J. Ambrose 189–196

## **Nonruminant Nutrition**

**Fractionation of wheat distillers' dried grains and solubles by particle size and density improves its digestible nutrient content for rainbow trout**

F. E. Reveco and M. D. Drew 197–205

**SHORT COMMUNICATION: Pet foods with yeast hydrolysate can reduce body weight and increase girth in beagle dogs**

J. H. Kim, E. Y. Jung, Y. H. Hong, S. H. Bae, J. M. Kim, D. O. Noh, T. Nozaki, T. Inoue, and H. J. Suh 207–210

## **Ruminant Nutrition**

**Ruminal degradability and whole-tract digestibility of protein and fibre fractions in fenugreek haylage**

L. Doepel, J. E. Montgomery, K. A. Beauchemin, J. R. King, and S. N. Acharya 211–217

**SHORT COMMUNICATION: Effects of duodenal infusion of increasing amounts of  $\alpha$ -linolenic acid on composition and susceptibility to peroxidation of blood lipids in lactating dairy cows**

P. Sun, J.-Q. Wang, Q.-S. Liu, Khas-Erdene, and G. Yang 219–223

**Acknowledgement of Reviewers** 225