CONTENTS

Breeding and genetics
Shirali, M., Nielsen, V. H., Møller, S. H. and Jensen, J.
Longitudinal analysis of residual feed intake and BW in mink using random regression
with heterogeneous residual variance 1597
Škorput, D., Gorganc, G., Kasap, A. and Luković, Z.
Partition of genetic trends by origin in Landrace and Large-White pigs 1605
Criscione, A., Moltisanti, V., Chies, L., Marletta, D. and Bordonaro, S.
A genetic analysis of the Italian Salernitano horse 1610
Ouweltjes, W., Windig, J. J., van Pelt, M. L. and Calus, M. P. L.
Genotype by environment interaction for livability of dairy calves from first parity cows 1617
The effects of different farm environments on the performance of Texel sheep 1624
Domestic estimated breeding values and genomic enhanced breeding values of bulls in comparison
with their foreign genomic enhanced breeding values 1635

Nutrition
The ability of genetically lean or fat slow-growing chickens to synthesize and store lipids is not altered by the dietary energy source 1643
Labussière, E., Dubois, S., Gilbert, H., Thibault, J. N., Le Floch, N., Noblet, J. and van Milgen, J.
Effect of inflammation stimulation on energy and nutrient utilization in piglets selected for low and high residual feed intake 1653
Vilarrasa, E., Barroeta, A. C., Tres, A. and Esteve-Garcia, E.
Use of re-esterified palm oils, differing in their acylglycerol structure, in fattening pig diets 1662
The effect of colostrum period management on BW and immune system in lambs: from birth to weaning 1672
Methane emissions from two breeds of beef cows offered diets containing barley straw with either grass silage or brewers' grains 1680

Behaviour, welfare and health
The effect of the MC4R gene on boar taint compounds, sexual maturity and behaviour in growing-finishing boars and gilts 1688
Effect of locomotion score on sows’ performances in a feed reward collection test 1698
Thorup, V. M., Munksgaard, L., Robert, P.-E., Erhard, H. W., Thomsen, P. T. and Friggens, N. C.
Lameness detection via leg-mounted accelerometers on dairy cows on four commercial farms 1704

Product quality, human health and well-being
Domínguez, R., Crecente, S., Borrajo, R., Agrogán, R. and Lorenzo, J. M.
Effect of slaughter age on foal carcass traits and meat quality 1713
Rearing system and oleic acid supplementation effect on carcass and lipid characteristics of two muscles from an obese pig breed 1721
Suárez-Belloch, J., Guada, J. A. and Latorre, M. A.
Effects of sex and dietary lysine on performances and serum and meat traits in finisher pigs 1731
Effect of wheat dried distillers grains and enzyme supplementation on growth rates, feed conversion ratio and beef fatty acid profile in feedlot steers 1740