



ISAG Conference 2008, Amsterdam, The Netherlands

Comparative Genetics of Coat Color Workshop

Chair : **Sheila Schmutz**, Dept of Animal and Poultry Science, College of Agriculture and Bioresources, University of Saskatchewan, Saskatoon, Canada.

Around 200 people attended the workshop.

The program was as follows:

- 15:30 White patterns in Horse and Cattle**
Tosso Leeb, Switzerland
- 15:50 White and Belt Phenotypes in Chinese Pigs (KIT)**
Lusheng S Huang, China
- 16:10 The Beta-Defensin Gene in Dogs – Black and Brindle**
Greg Barsh, USA
- 16:30 The Mutation for Progressive Gray in Horses**
Leif Andersson, Sweden
- 16:50 Lavender plumage colour phenotype in Quail and Chicken : same MLPH gene but very different mutations.**
Bertrand Bed'Hom, France
- 17:10 Dilute Phenotypes in Cattle (SILV)**
Sheila Schmutz, Canada

Posters Discussing Color or Genes in the Pigmentation Pathway

2042 SNaPshot™ assay successfully determines SNP for chestnut coat color in historic Thoroughbred horses, **M. Whitten** *et al.*

2057 Further characterization of equine KIT mutations in horses with dominant white or variable white coat color, **B. Haase** *et al.*

2190 Two novel single nucleotide polymorphism markers of MC1R gene in Thai Native White Lamphun cattle, **S. Mekchay**



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2022 Genetic effects mapped in a Charolais X Holstein cross cattle population, **B. Gutiérrez-Gil** *et al.*

2099 Dominant White phenotype in Merino Sheep: Mitf, c-kit and Scf, **S.A. SIVA** *et al.*

2102 Associations of Melanocortin 1 Receptor with growth and carcass traits in beef cattle. **K. L. McLean & S. M. Schmutz**

2112 Genetic analysis of local Vietnamese chickens for conservation purposes, **C. Berthouly** *et al.*

2115 Investigation of the KIT gene in Nero Siciliano pigs with different coat colour phenotypes, **E. D'Alessandro** *et al.*

2123 Copy number variation and missense mutations in the caprine agouti signaling protein (ASIP) gene are present in goat breeds with different coat colour, **S. Dall'Olio** *et al.*

2132 The lavender plumage colour phenotype in Quail is caused by a large deletion in MLPH gene region, **B. Bed'Hom** *et al.*

2142 Hypotrichosis in a Charolais x Holstein cross is not associated with allelic variants in the bovine SILV gene, **C. Kühn & R. Weikard**

4006 Development of DNA markers for discrimination between Japanese and Australian beef cattle, **Y. Suekawa** *et al.*

5011 Patterns of genetic diversity near genes under selection in cattle, **P. Wiener** *et al.*

5029 Single nucleotide polymorphisms of the KITLG and KIT genes in pigs, **N. Okumura** *et al.*