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Poster - E13
Complex pattern of CAST allelic expression in bovine muscle tissue

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Short Abstract: Imprinted genes have been target of many studies, mainly in human and mouse, and lately in bovines due to the importa[...]
understanding the epigenetics mechanisms underlying important phenotypes, and the possibility of applying it in animal breeding program[...]
Genomic DNA from 38 steers was genotyped using the Illumina BovineHD BeadChip in order to identify heterozygous individuals with kno[...]
Total mRNA from muscle was extracted and sequenced by Illumina HiScanSQ and the reads were mapped to the Bos taurus reference g[...]
software based on the phyton module pySAM enable us assess the frequency of each nucleotide. Genome wide analysis of the SNPs is b[...]
As an example, a candidate gene to meat tenderness, CAST, was previously described showing biallelic expression by real time allelic dis[...]
approaches in bovine muscle. In order to confirm the CAST expression in muscle, a SNP set in exon was used to assess allelic expressio[...]
total of 9 reciprocal heterozygous had more than 30 reads for the chosen SNP. A total of 6 animals showed allele ratio C/T mean 1.02. Th[...]
showed monoallelic expression, of which 2 had exclusively expression of T allele and 1 of C allele. These 3 animals had the same father t[...]
monoallelic expression can not be associated to allele parental origin. The results suggest a complex pattern of allele expression and the [...]
here probably is not the causal underlying this pattern.

Posters

Posters Display Schedule:

ALL Posters - set up for display on Sunday, July 13 (8:00 am - 10:00 am)

<u>Odd</u> Numbered poster presentations:

- Author presentations will take place Sunday, July 13: 5:00 p.m. - 7:00 p.m.

<u>Even</u> Numbered poster presentations:

- Author presentations will take place Monday, July 14: 5:45 p.m. - 7:30 p.m.

Remove All Posters - Tuesday, July 15 after 4:30 pm

Poster Sessions with Authors are held 5:45 p.m. - 7:30 p.m. on Sunday, July 13 (odd numbered posters) and 5:45 p.m. - 7:30 p.m. Monda[...]
numbered posters). Authors should be prepared in advanced to be available to present on their assigned day. Please note due to the larg[...]
posters we are <u>unable</u> to accept special requests for presentation dates.

Poster Display Size: When preparing accepted posters please note that your poster should not exceed the following dimensions: 46 inc[...]
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diagram of the the poster board in pdf format here.

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