SFB 680

Molecular Basis of Evolutionary Innovations

Molekulare Grundlagen evolutionärer Innovationen

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Detecting the footprints of positive selection in cattle

I will present the results from application of three metrics for detecting signatures of positive selection. The extended haplotype homozygosity (EHH) and integrated haplotype homozygosity score (iHS) are two within population approaches, which look for genomic regions with haplotype consistency of higher than expected. The third is a between population approach, which has been recently developed by our group in Goettingen and looks for genomic regions with high differentiation between populations. I will show some applications of these approaches to dense SNP data from several cattle populations.

January 12, 2011

5:00 p. m.

Institute for Genetics, Lecture Hall, 4th floor

Host: Thomas Wiehe

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