

The genetic trends for beta and kappa casein identified in the Polish Holstein-Friesian population

Żukowski Kacper, Skarwecka Monika, Gogola Klaudia National Research Institute of Animal Production, Cracow, Poland kacper.zukowski@iz.edu.pl

Objectives

The aim of this research is to analyze genetic trends in the Polish Holstein-Friesian cattle population, with a focus on milk casein genetic variants. The discovery of these trends allows for the alteration of breeding strategies and the improvement of milk quality and characteristics.

Materials and Method

- -SNPs located on the EuroGenomics GMD chip (all releases) have been deposited in the CSNP database,
- -assessed trends based on over 100K bulls and cows,
- -data for genetic traits has been systematically reported in the CRS system (https://crs.izoo.krakow.pl/) of the National Research Institute of Animal Production,
- It is also available on platforms like FedInfo and Stado OnLine from the Polish Federation of Cattle Breeders and Dairy Farmers.

Further plans

The NRIAP plan to expand the range of genetic traits identified in the future, giving Polish breeders even better tools to work with and in herds.

Results



