EuroFAANG

Accelerating genome to phenome research for farmed animals in Europe

EuroFAANG is a coordinated effort to unravel the connection between the genetic make-up of an animal and the observable physical and physiological traits. The EuroFAANG projects aim to address challenges in farmed animal production.

Bringing together a wide range of genomics, bioinformatics, modelling and open data expertise, the six projects are laying the scientific foundations for a new era of farmed animal production based on:

- Disease resistance
- Biological efficiency
- Precision breeding
- Reduced environmental impact
- Feeding a growing population

The EuroFAANG community is suported by six key projects

AQUA-FAANG

Document genome function to understand the basis for trait variation and disease resistance in farmed fish.

www.aqua-faang.eu
@AQUA_FAANG

BovReg

Identify genome features for phenotypic diversity in cattle.

www.bovreg.eu
@BovReg

Rumigen
TOWARDS IMPROVEMENT OF RUMINANT BREEDING THROUGH GENOMIC AND EPIGENOMIC APPROACHES

Develop new breeding strategies to help ruminants adapt to climatic changes.

www.rumigen.eu
@RUMIGENH2020

HoloRuminant
Understanding microbiomes of the ruminant holobiont

Understanding microbiomes of the ruminant holobiont.

www.holoruminant.eu
@holoruminant

GENE-SWitCH

Identify genome features whose activity, during development and when facing environmental challenges, determines complex traits in chicken and pigs.

www.gene-switch.eu
@GeneSwitch

GERONIMO

Provide new knowledge and tools for genome and epigenome enabled breeding in monogastrics.

www.geronimo-h2020.eu
@GeronimoH2020

Visit the project websites to find the latest tools and resources for the breeding and livestock farming communities. Project data will be available on the FAANG Data Portal powered by EMBL's European Bioinformatics Institute (EMBL-EBI).

https://data.faang.org/projects https://eurofaang.eu @EuroFAANG

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EuroFAANG