Topic/Title (Norwegian)

Hanndyrfruktbarhet hos gris

Subject area (keywords): breeding, genetics, semen

quality, male fertility

Language thesis: Norwegian or English

Bachelor/Master thesis

Credits: 30/60

Project/company: Project SuperSemen/company:

Norsvin



Summary

For Norsvin and Geno, it is extremely important that the semen doses sold to the producers are of good quality. In the autumn of 2022, Norsvin and Geno started a large project (SuperSemen) in collaboration with Nofima and the Research Council, where the main goal is to adopt new technology and develop new methods to ensure high quality of the semen. We have large amounts of data for analysis such as sperm concentration, motility, percentage of normal cells, tail defects and, in addition, information from the herds. We also have data on seminal plasma from spectroscopy.

The topic can be adapted to both a bachelor's and a master's thesis. In the bachelor's thesis, there will be a literature study, extraction of data and simple statistical analyses. In a master's thesis, genetic analyzes can be carried out and correlations between semen quality and other traits we breed for in cattle and pigs can be estimated. We would like to discuss with you and agree on the topic and title of the thesis. The plan is for the student's work to become part of the project, SuperSemen.

Please contact:

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