



The Swedish Goat Breeders Association use artificial insemination on a small scale

supported by the gene bank administrated by the Swedish Board of Agriculture (SBA) and vaxa.se, in order to avoid increasing inbreeding in Svensk Lantrasget, the Swedish landrace goat (the milking goat)



Svenska Getavälsförbundet;

The Swedish Goat Breeders Association

- applied to the Swedish Board of Agriculture (SBA)
- got permission 2018, to use 50% of the semen doses collected the year 2000, stored at vikinggenetics.com and nowadays stored at vaxa.se and they send them to 1 of 4 farms, that have permission to store.
- We have until today used about 25% of the semen doses, that we have permission to use, at the farms, and vaxa.se fill up with nitrogen.
- We have an insemination veterinarian that check the farms and we report the results to her every year and she send the report on to SBA and the counties.

Insemination course and training in Norway

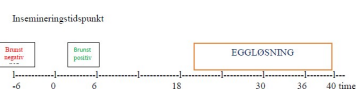


- 10 goat-farmers in Sweden have attended insemination courses and training in Norway and are part of our associations permission to inseminate with the technic ”a shot in the dark”.
- The Swedish Goat Breeders Association have just received permission from SBA to organize courses and training in Sweden with the same veterinarian that held the course in Norway.

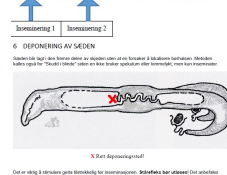
Challenges in using artificial insemination on goats



Tar en hensyn til alle tidsfaktorer som er nevnt ovenfor, så regner en med at det er mest gunstig å inseminere 18–24 timer etter sannsynlig brunststart. Ha gjerne 1 i magen! Tidspunktet er forskjellig for hver besetting avhengig av rutinene som brukes! Det som gjelder for deg gjelder nødvendigvis ikke for naboen!



- The presence of a buck with an apron
- The time of insemination.
- The temperature of the semen dose



Start inseminering!

Semen doses was also collected by SBA in 2005

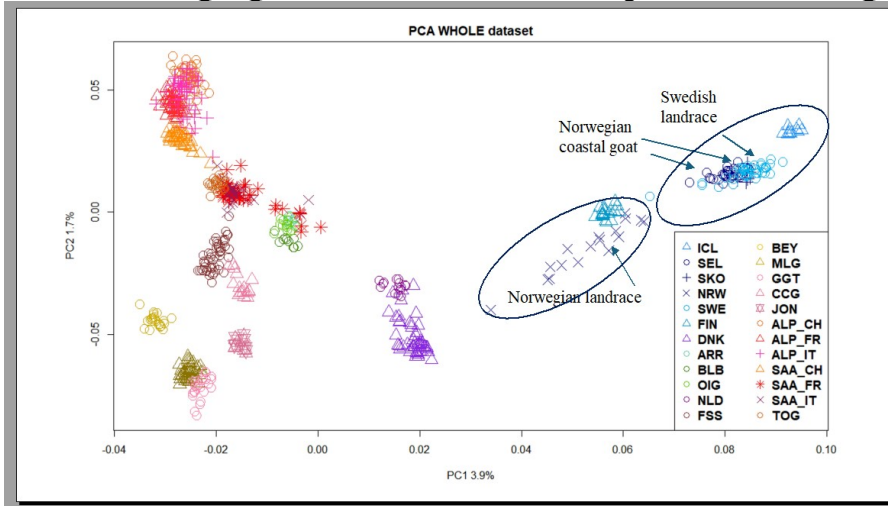
- The semen doses were collected from 3 bucks of Svensk Lantrasget the Swedish Landrace breed and 1 Lappget and 2 Jämtget bucks
- We cant use these semen doses at the moment, because the CAE-v status was not checked on the goats and bucks that year.
- We have asked SVA Swedish Veterinary Agency, to check these semen doses, in order to be able to use them in the future.

Semen collection of 7 male goats in 2021

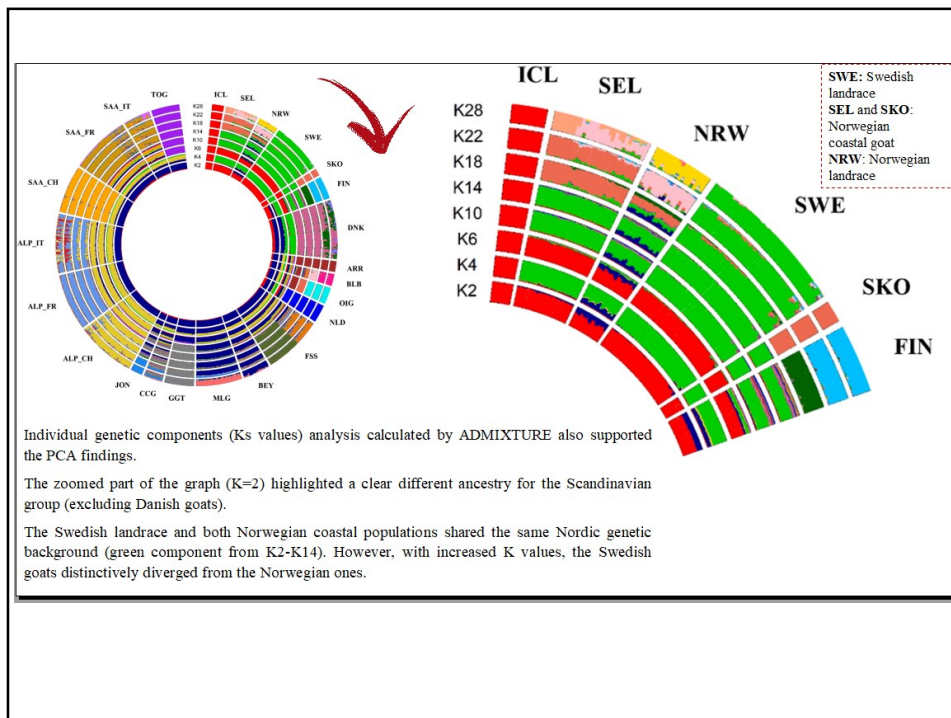
- In 2021 Svenska Getavelsförbundet; The Swedish Goat Breeders Association organized together with Jane Morrell jane.morrell@slu.se - Sveriges lantbruksuniversitet, Swedish University of Agricultural Sciences, a semen collection of 7 male goats of Svensk Lantrasget the Swedish landrace goat (the milking goat), financed by the Swedish Board of Agriculture (SBA) and these semen doses with 200 000 000 sperms/dose are now stored in SBAs gene bank at vaxa.se.

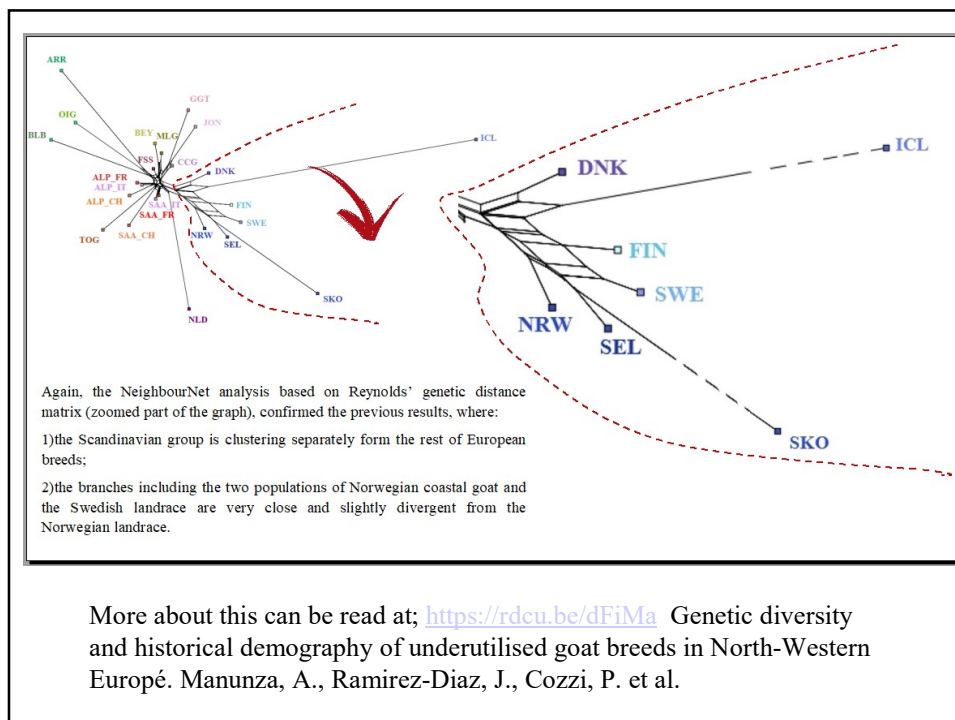


The Swedish Landrace are most closely related to the Norwegians coastal goats from the populations from Selje and Skorpa



The 3 figures in this presentation are updated by Arianna Manunza and Alessandra Stella from ibba.cnr.it





Has the The Swedish Landrace Goat and the Norwegian milking goats protective genes against Scrapie or not?

We got permission from SBA to import semen doses from Norwegian Milking goats, but at the moment 100 semen doses from Norwegian Milking goats are waiting in Norway because Sweden and Norway don't have the same TSE status. We have sent 90 gene-samples to USA for gene-testing for Scrapie resistance and we were waiting for the changes in the EU regulations.

The test results has now arrived and neither the Swedish or the Norwegian goat-breeds has any resistance againsts Scrapie according to the testresults from USA.

UC DAVIS
VETERINARY MEDICINE
Veterinary Genetics Laboratory

GOAT SCRAPIE SUSCEPTIBILITY TEST REPORT

Provided Information:	Case:
Name: 2022-420	Date Received: 01-Feb-2024
Registration:	Report Issue Date: 04-Mar-2024
	Report ID: 3086-3226-2177-3071
YOB: Sex: Male Breed: Unknown	

Verify report at gl.uctavis.edu/verify

GOAT SCRAPIE SUSCEPTIBILITY RESULT

146	222
NN	QQ

Interpretation

No copies of protective variants. Susceptible to classical scrapie.

Thank you for your attention!

We need your help to figure out how to import the Norwegian semen.

