Readme: Descriptive data for USN Research Data Archive

Dataset generated by [Priyank Sharad Nimje & Helga Veronica Tinnesand]

-------------------

GENERAL INFORMATION

-------------------

TITLE FOR THE DATASET

- Beaver Genetics

INFORMATION ON PERSON RESPONSIBLE FOR COLLECTING THE DATA

- Priyank Sharad Nimje

- Faculty of Technology, Natural Sciences and Maritime Sciences

- priyank.s.nimje@usn.no

DATE(S) OF DATA COLLECTION

- The samples were collected as a part of Norwegian Beaver Project from 1996 – 2016.

GEOGRAPHIC LOCATION(S) OF DATA COLLECTION

- The study area was located in Telemark County, in southeastern Norway, along the rivers Straumen (59° 29’ N, 09° 153’ E), Sauar (59° 444’ N, 09° 307’ E), and Gvarv (59° 386’ N, 09° 179 E)

LANGUAGE

- English.

----------------

FILE INFORMATION

----------------

The files can be visualized in Microsoft Excel. For parentage analysis, files are saved in Cervus format, to be used further in the software program Cervus 3.0

-------

SHARING

-------

ALL UPLOADED DATASETS HAVE THEIR OWN CITE AND SHARING SECCTION IN USN RESEARD DATA ARCHIVE

-----------

METHODOLOGY

-----------

DESCRIBE THE PROCESS OF COLLECTING AND GENERATING YOUR DATA

After collection of samples, DNA was extracted from the samples at University of South-eastern Norway. Followed by SNP genotyping using qPCR to collect SNP database for all the available beaver samples.

We used Applied Bioscience’s StepOne qPCR machine for SNP genotyping. For data visualization and analysis software programs such as, GenAlEx, Cervus, Co-ancestry, ML-relate etc. were used.

The current data uploaded is the raw SNP database, used for parentage analysis. The data can be visualized using Microsoft Excel.

Further reading:

https://web.archive.org/web/20120413115438/http://www.datadryad.org/depositing

https://data.research.cornell.edu/content/readme#bestpractices

https://www.dataone.org/best-practices/document-and-store-data-using-stable-file-formats