

GENO[♂]EX

Parentage SNP Exchange



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- During the ICAR and Interbull Meetings in Chile at the end of October 2016, the following two services were introduced to ICAR members and they officially launched in 2018:
- A service for Parentage Analysis Accreditation for DNA Data Interpretation Centers
- Genotype Exchange Parentage SNP Exchange (“GenoEx-PSE”) – a service for exchanging standardized sets of SNP for genotyped animals to facilitate parentage analysis activities carried out by organisations that are responsible and/or active in parentage integrity.

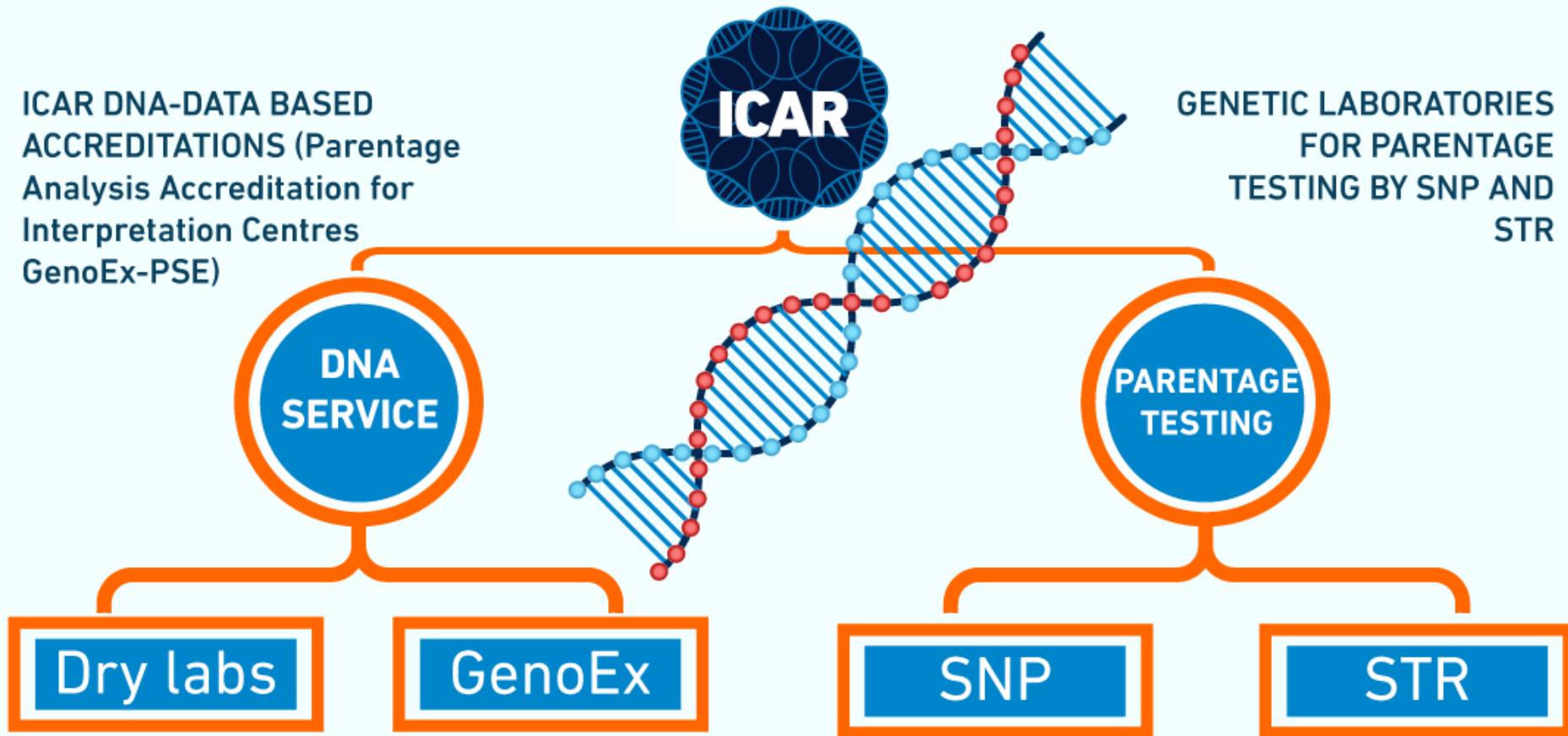
ICAR ACCREDITATIONS FOR

1.) DNA-BASED DATA INTERPRETATION CENTRES AND

2.) GENETIC LABORATORIES FOR PARENTAGE TESTING BY STR AND SNP

ICAR DNA-DATA BASED ACCREDITATIONS (Parentage Analysis Accreditation for Interpretation Centres GenoEx-PSE)

GENETIC LABORATORIES FOR PARENTAGE TESTING BY SNP AND STR



What is required to join GenoEx-PSE

Organisations wishing to join GenoEx-PSE services shall:

- Be member of ICAR or be nominated by an ICAR member
- Have a valid “ICAR Accreditation for DNA Interpretation Centres”
 - Currently Parentage Verification only
- Sign a Service User Agreement with the Interbull Centre.

- Current (introductory) fees:
- Application fee ICAR Accreditation (valid for 2 years):
 - ICAR members: €300
 - ICAR non-members: €500
- Service Fee GenoEx-PSE: €600 (2019); €1000 (2020)



- Currently service is available for one set of SNPs;
 - 200 SNP recommended by ISAG for parentage verification
- Two more groups may eventually be available ;
 - One set with additional 354 SNP to be used for parentage discovery
 - Additional set of 980 SNP, different from the first 200 and 354, to be used for the imputation of microsatellite SNP profiles for parentage verification
- Depending on the level of ICAR accreditation obtained, the GenoEx-PSE service user would be able to upload and download the group of SNP as outlined above. The service user may also decide in the future to exchange the additional 354 and 980 SNPs

ICAR Parentage Analysis Accreditation for DNA Interpretation Centers

1. Council on Dairy Cattle Breeding (CDCB)
2. National Research Institute of Animal Production in Krakow, Department of Cattle Breeding (accreditation granted in March 2019)
3. Associazione Nazionale Allevatori Bovini di Razza Pezzata Rossa Italiana (ANAPRI), Libro Genealogico e Valutazioni Genetiche (accreditation granted in January 2019)
4. CRV Coöperative ua, AEU, Animal Evaluation Unit (accreditation granted in November 2018)
5. Geno SA (accreditation granted in November 2018)
6. SEGES (accreditation granted in November 2018)
7. ZuchtData EDV-Dienstleistungen Gmbh (accreditation granted in November 2018)
8. Weatherbys Scientific (accreditation granted in October 2018)
9. Livestock Improvement Association of Japan, Inc., Maebashi Institute of Animal Science (accreditation granted in October 2018)
10. University of Ljubljana, Biotechnical Faculty, Dept. of Animal Science (accreditation granted in October 2018)
11. Canadian Dairy Network (CDN) (accreditation granted in September 2018)
12. Irish Cattle Breeding Federation (ICBF) (accreditation granted in August 2018)
13. Agricultural Institute of Slovenia (Kmetijski Inštitut Slovenije), Animal Production Department (accreditation granted in June 2018)
14. Georg August Universitaet, Institute of Veterinary Medicine (accreditation granted in May 2018)
15. Qualitas AG (accreditation granted in April 2018)
16. ANARB, Associazione Nazionale Allevatori Razza Bruna (accreditation granted in March 2018)
17. ANAFI, Associazione Nazionale Allevatori Frisona Italiana (accreditation granted in March 2018)
18. VIT, Vereinigte Informationssysteme Tierhaltung w.V. (accreditation granted in January 2018)



Organisations signed up for GenoEX-PSE

1. National Research Institute of Animal Production in Krakow, Department of Cattle Breeding
2. Associazione Nazionale Allevatori Bovini di Razza Pezzata Rossa Italiana (ANAPRI), Libro Genealogico e Valutazioni Genetiche (accreditation granted in January 2019)
3. Geno SA (accreditation granted in November 2018)
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5. Livestock Improvement Association of Japan, Inc., Maebashi Institute of Animal Science
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7. Agricultural Institute of Slovenia (Kmetijski Inštitut Slovenije), Animal Production Department
8. ANAFI, Associazione Nazionale Allevatori Frisona Italiana (accreditation granted in March 2018)
9. Vereinigte Informationssysteme Tierhaltung w.V. (accreditation granted in January 2018)



To find out more....

- Web site <https://genoex.org>
- Questions genoex@slu.se



Thank you for your Attention

Any Questions ?

