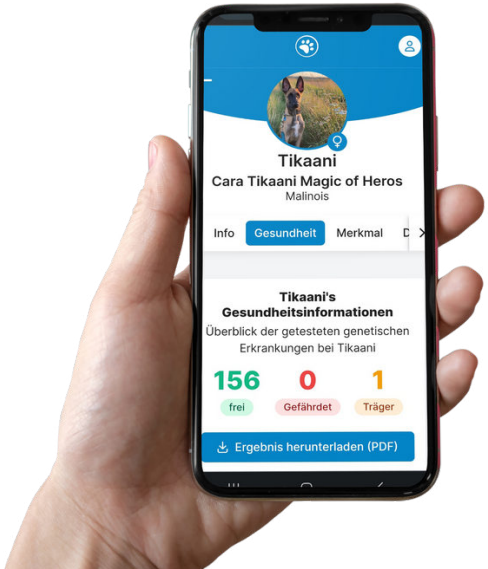
FERAGEN

Labor für genetische Veterinärdiagnostik

FOR KENNELCLUBS

MODERN BREEDING MANAGEMENT FOR KENNEL CLUBS

Breeding pedigree dogs is facing a revolution. A revolution of change and adaptation, which is unavoidable if we are to continue breeding healthy and vital dogs in the future. Our MyFeragen database opens new ways for a contemporary and breeding management that conforms to animal welfare standards.



WHAT'S THE PROBLEM?

Over the course of time, various factors have contributed to a noticeable loss of genetic diversity in pedigree dogs. These include, for example, selective breeding practices in which breed representatives with certain characteristics have been used more frequently in breeding.

If only a limited number of dogs or lines are favored, this can lead to a reduction in genetic diversity. Breeding closely related animals can increase the risk of genetic defects and hereditary diseases. The resulting reduction in genetic diversity causes certain gene variants to occur more frequently in the population, while other variants are lost.

To stop a decline in genetic diversity, it is important to promote responsible breeding practices, avoid inbreeding and prioritize health and welfare of dogs in the breeding program.

MODERN BREEDING MANAGEMENT

Each breed requires individual breeding strategies tailored to the needs of the breed, which are implemented in corresponding breeding programs. Each breed has its own characteristics, traits and problems, why there is not the "one" breeding strategy that can be imposed on all breeds.

It is important to collect data and create transnational databases to share genetic information and expand the breeding population.

With MyFeragen, it is possible to assess the degree of diversity of a breed across countries and to collect genetic data internationally. With the dog matching tool, the existing gene pool can be optimally utilized. A wise choice of breeding partners can lead to a reduction in the degree of inbreeding and the establishment of a long-term, sensible breeding management.

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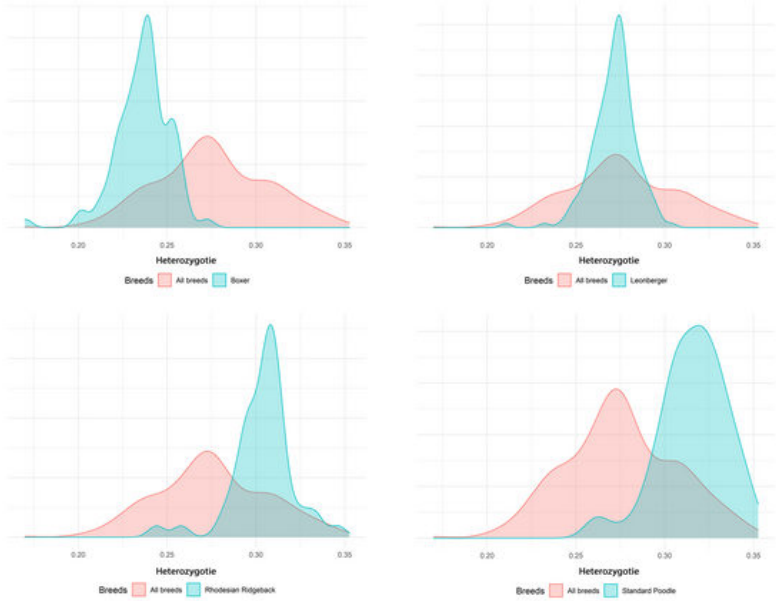
GENETIC DIVERSITY

Our diversity analysis gives you a comprehensive insight into the genetic diversity data of your dogs. Genomic coefficients of inbreeding, heterozygosity and DLA haplotypes can be evaluated.



PARENTAGE ANALYSES

DNA profile analysis (parentage analysis) can be used to determine whether the parents of puppies actually correspond to the biological parents. The genetic fingerprint of the offspring is compared with that of the parents. Half of the genetic material comes from the mother and the other half comes from the father. The results of the parents can be matched using our ISAG comparison tool.

SCREENING FOR HEREDITARY DISEASES, COAT COLORS AND TRAITS

With DogCheck, we examine your dog for up to 220 genetic diseases & traits. In this way, potential new diseases can be detected at an early stage and unseen spread can be prevented.

POPULATION OVERVIEW & DOG MATCHING

Dog matching makes it possible to find the genetically optimal breeding partner. Genetic diseases can be avoided, the genetic diversity of the puppies is taken into account and the population-genetic significance of a mating is shown.

WEBINAR

In our webinars, we give you an overview of diversity and how it is presented in our MyFeragen platform.

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CONTACT US

We offer clubs individual packages that are perfectly tailored to your breed.

Give us a call or send us an email - we will work with you to get the best out of your breed.

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SAMPLING

Oral mucosa sample

The sample is taken by the vet or breeding supervisor using a buccal swab and sent to us.

Blood sample

Alternatively, a blood sample can be sent and stored by arrangement.

DURATION

Depending on the scope of the test, the results can take up to 6 weeks. We endeavor to keep the times shorter. However, as each test is individual, it sometimes takes time.

DATA TRANSFER

Have your dogs already been tested by other laboratories?

We are happy to transfer the data into our database so that all results can be found in one place.

Embark results can even be used to participate in genetic dog matching.

In the future, we will also include eye, heart and X-ray examinations.