antagene

GENETIC CERTIFICATE

Name : **Loevenborgs Elvin**

Dr Jens SEJER
Roskilde Dyreklinik
Sønderlundsvej 23
4000 Roskilde
DENMARK

Specie : **Dog**
Breed : **Bernese Mountain Dog**

ID Number : **208 250 000 134 992**
Pedigree Number :

Gender : **Male**
Birth date : **25/05/2019**

Owner :
KOCH Anne
4690 Haslev (DK)
Customer Nb : C93834

Sample Number : **687 952**
Sample type : Blood sample
Sample date : 29/05/2020
Request date : 16/06/2020

Sample realized by :
SEJER Jens (Veterinarian)
4000 Roskilde (DK)
Official Nb : **1611**
Authenticated sample

File Nu. : 178 337
Animal Number : 222 428
Result code : 413075

Histiocytic Sarcoma (Test SH)

Result : **Index C**

Interpretation : The individual tested has a four times higher risk of developing Histiocytic Sarcoma. The risk of the markers associated with the disease being transmitted to offspring is greatly increased.

This genetic test should be just one of the many selection criteria. It is important within a breeding population to give priority to individuals with the best index but is also of the utmost importance when selecting breeding pairs that sufficient genetic diversity is maintained in the breed.
An Index C dog with a number of other positive qualities should not be removed from the breeding programme, rather it should only be mated with individuals showing Index A or B results. Mating programmes should be planned to avoid C x C matings.

Magali Kernaleguen
Genetic Analyst

Méline Corniquel
Genetic Analyst

Result established on 26/06/2020
Certificate issued on 26/06/2020

Explanation
This genetic test for Histiocytic Sarcoma is based on 9 genetic markers (Panel SH0912) identified from scientific research on Histiocytic Sarcoma on Bernese Mountain Dogs carried out by the Canine Genetics Team of the CNRS of Rennes, France. The methods used to calculate the genetic index were based on a population of 1081 European dogs, mainly from France. The test for Histiocytic Sarcoma has three possible results expressed as an index: index A, the individual tested has a four times lower risk of developing Histiocytic Sarcoma ; index B means neutral index ; index C, the individual tested has a four times higher risk of developing Histiocytic Sarcoma.
This genetic test is simply a probability test, and this must be clearly accepted by the user.
This genetic test is designed solely to be a tool to help breeders in their breeding decisions. As a probability test, the test SH is subject to error and should not therefore be used, under no circumstances, as a commercial or advertising point by breeders.
The ANTAGENE laboratory will provide the necessary state-of-the-art technology to guarantee the reliability of its genetic test.