

GENETIC CERTIFICATE

Ms Birgitte DAMSGAARD

Västra Vemmenhög 615
27493 Skurup
SWEDEN

Name : **Bernerbandens Gemini**

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

ID Number : **953 010 002 984 731**
Pedigree Number : **SE48877/2018**

Gender : **Female**
Birth date : **29/08/2018**

Owner :
DAMSGAARD Birgitte
27493 Skurup (SE)
Customer Nb : C53332

Sample Number : **655 135**
Sample type : Blood sample
Sample date : 16/11/2019
Request date : 21/11/2019

Sample realized by :
THORSEN Michael (Veterinarian)
5500 Middelfart (DK)
Official Nb : **2927**
Authenticated sample

File Nu. : 170 775
Animal Number : 211 291
Result code : 388386

Histiocytic Sarcoma (Test SH)

Result : **Index A**

Interpretation : The individual tested has a four times lower risk of developing Histiocytic Sarcoma.

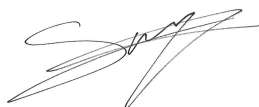
This genetic test should be just one of the many selection criteria. It is important within a breeding population to give priority to individuals with the best index but is also of the utmost importance when selecting breeding pairs that sufficient genetic diversity is maintained in the breed.

Estelle Sauvegrain
Genetic Analyst

Elodie Belmonte
Genetic Analyst

Result established on 27/11/2019

Certificate issued on 27/11/2019



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.