



GENETIC CERTIFICATE

Ms Therese BRATENES

Nedre Langgt 105
1743 Klavestadhaugen
NORWAY

Name : **Adelige Frøya Av Triomar**

Breed : **Bernese Mountain Dog**

ID Number : **578 098 100 524 072**

Pedigree Number : **No55983/15**

Gender : **Female**

Birth date : **06/11/2015**

Owner :

BRATENES Therese

1743 Klavestadhaugen (NO)

Customer Nb : C77418

Sample Number : **532 457** (Authenticated)

Sample type : Blood sample

Sample date : 15/05/2017

Request date : 22/05/2017

Sampler veterinarian :

WESTGAARD Sarah

1722 Sarpsborg (NO)

Official number :

File Nu. : 132 384

Animal Number : 158 601

Result code : 266024

Histiocytic Sarcoma (Test SH)

Result : **Index B**

Interpretation : Neutral index - not predictive of higher or 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

Cécile Kaerle
Genetic Analyst

Result established on 31/05/2017

Certificate issued on 31/05/2017

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.