



## GENETIC CERTIFICATE

**Ms Therese BRATENES**

Nedre Langgt 105  
1743 Klavestadhaugen  
NORWAY

Name : **Zalige Stella Av Triomar**

Breed : **Bernese Mountain Dog**

ID Number : **578 098 100 496 869**

Pedigree Number : **no43828/15**

Gender : **Female**

Birth date : **20/05/2015**

Owner :

**BRATENES Therese**

1743 Klavestadhaugen (NO)

Customer Nb : C77418

Sample Number : **549 535** (Authenticated)

Sample type : Blood sample

Sample date : 14/12/2017

Request date : 19/12/2017

Sampler veterinarian :

**TORP Per August**

1890 Rakkestad (NO)

Official number :

File Nu. : 140 885

Animal Number : 169 493

Result code : 293013

### 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.

Mathilde Verdier  
Genetic Analyst

Aurélie Michel  
Genetic Analyst

Result established on 02/01/2018

Certificate issued on 02/01/2018

#### 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.