



## GENETIC CERTIFICATE

**Mr Björn MAGNUSSON**  
Rattaregarden, Norrudden  
179 95 Svartsjo  
SWEDEN

Name : **Kronblommas Xenia**

Breed : **Bernese Mountain Dog**

ID Number : **977 200 008 770 078**

Pedigree Number : **SE12170/2015**

Gender : **Female**

Birth date : **00/00/0000**

Owner :

**MAGNUSSON Björn**

179 95 Svartsjo (SE)

Customer Nb : C61717

Sample Number : **455 319** (Authenticated)

Sample type : Cheek swab sample

Sample date : 00/00/0000

Request date : 15/04/2016

Sampler :

Official number :

File Nu. : 116 868

Animal Number : 117 813

Result code : 216305

### Histiocytic Sarcoma (pre-test)

Result : **Index A**

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

This genetic pre-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.

Result established on 22/04/2016

Certificate issued on 22/04/2016

Lina Muselet  
Genetics Engineer

#### Explanation

This genetic pre-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 pre-test for Histiocytic Sarcoma has three possible results expressed as an index: index A, the tested individuals have four times the chance of not developing Histiocytic Sarcoma ; index B means neutral index ; index C, the tested individuals have four times the risk of developing Histiocytic Sarcoma. This genetic pre-test is simply a probability test, and this must be clearly accepted by the user.

This genetic pre-test is designed solely to be a tool to help breeders in their breeding decisions. As a probability test, this genetic pre-test 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.