

## GENETIC CERTIFICATE

**Mr Brian CHRISTENSEN**

Rosenvoldvej 18  
DK7140 Stouby  
DENMARK

Name : **Duevang's Xiggo**

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

ID Number : **208 250 000 096 013**  
Pedigree Number :

Gender : **Male**  
Birth date : **08/05/2018**

Owner :  
**CHRISTENSEN Brian**  
DK7140 Stouby (DK)  
Customer Nb : C81643

Sample Number : **582 866** (Authenticated)  
Sample type : Blood sample  
Sample date : 11/05/2018  
Request date : 22/05/2018

Sampler veterinarian :  
**KNUDSEN Jens**  
4600 Koge (DK)  
Official number : **1276**

File Nu. : 147 134  
Animal Number : 179 366  
Result code : 312626

### 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.

Manon Silvestre  
Genetic Analyst

Caroline Dufaure De Citres  
Genetic Analyst

Result established on 30/05/2018

Certificate issued on 30/05/2018



#### 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.