



GENETIC CERTIFICATE

Ms Aslaug TEISLEV

Stationsvej 5
5500 Middelfart
DENMARK

Name : **Aslaug's Scarlett O'hara**

Breed : **Bernese Mountain Dog**

ID Number : **208 210 000 542 581**

Pedigree Number : **DK 02511/2016**

Gender : **Female**

Birth date : **05/02/2016**

Owner :

TEISLEV Aslaug

5500 Middelfart (DK)

Customer Nb : C93022

Sample Number : **548 089** (Authenticated)

Sample type : Blood sample

Sample date : 26/09/2017

Request date : 02/10/2017

Sampler veterinarian :

CORFITZEN Jens

5500 Middelfart (DK)

Official number : **405**

File Nu. : 137 654

Animal Number : 166 114

Result code : 282781

Histiocytic Sarcoma (Test SH)

Result : **Index C**

Interpretation : The individual tested has a four times higher risk of developing Histiocytic Sarcoma. The risk of the markers associated with the disease being transmitted to offspring is greatly increased.

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.

An Index C dog with a number of other positive qualities should not be removed from the breeding programme, rather it should only be mated with individuals showing Index A or B results. Mating programmes should be planned to avoid C x C matings.

Mathilde Verdier
Genetic Analyst

Aurélie Michel
Genetic Analyst

Result established on 11/10/2017

Certificate issued on 11/10/2017

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.