GENETIC CERTIFICATE

Ms Erika BROMOSE
Dystedvej 24
4684 Holmegaard
DENMARK

Name : **Pa-Di Sinclair's Indian Summer**

Breed : **Bernese Mountain Dog**

ID Number : **208 206 000 139 129**
Pedigree Number : **DK 18082/2009**

Gender : **Female**
Birth date : **15/09/2009**

Owner :
BROMOSE Erika
4684 Holmegaard (DK)
Customer Nb : C73578

Sample Number : **485 526** (Authenticated)
Sample type : Blood sample
Sample date : 26/01/2016
Request date : 29/01/2016

Sampler veterinarian :
SCHJOTH Brigitte
4623 Lille Skensved (DK)
Official number : **2352**

File Nu. : 113 680
Animal Number : 133 746
Result code : 206699

Histiocytic Sarcoma (pre-test)

Result : **Index A**

Interpretation : The tested individuals have four times the chance of NOT 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.

Lina Muselet
Genetics Engineer

Result established on 05/02/2016
Certificate issued on 24/02/2016

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. The 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, the genetic pre-test is subject to error and should not therefore be used in the sale of dogs or puppies and, under no circumstances, should it be used 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 pre-test.