



GENETIC CERTIFICATE

Mr Werner JUFER

Haldenweg 14
4932 Lotzwil
SWITZERLAND

Name : **Hieronymus Von Den
Albmuhlen**

Breed : **Bernese Mountain Dog**

ID Number : **276 095 610 045 204**

Pedigree Number : **DEBS/BSZ14316**

Gender : **Male**

Birth date : **16/08/2014**

Owner :

JUFER Werner

4932 Lotzwil (CH)

Customer Nb : C67668

Sample Number : **487 976** (Authenticated)

Sample type : Blood sample

Sample date : 24/02/2016

Request date : 29/02/2016

Sampler veterinarian :

SALM Christoph

4900 Langenthal (CH)

Official number :

File Nu. : 114 932

Animal Number : 135 260

Result code : 210522

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.

Result established on 09/03/2016

Certificate issued on 09/03/2016

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. 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.