



GENETIC CERTIFICATE

Ms Britt BRITT DEGN NIELSEN

Blegindvej 40a
8362 Hoerning
DENMARK

Name : **Amazing Tiklo's Geronimo**

Breed : **Bernese Mountain Dog**

ID Number : **208 213 990 193 098**

Pedigree Number : **DK07383/2016**

Gender : **Male**

Birth date : **10/04/2016**

Owner :

BRITT DEGN NIELSEN Britt

8362 Hoerning (DK)

Customer Nb : C94168

Sample Number : **553 309** (Authenticated)

Sample type : Cheek swab sample

Sample date : 11/12/2017

Request date : 20/12/2017

Sampler veterinarian :

SABROE Finn

8660 Skanderborg (DK)

Official number : **811**

File Nu. : 140 927

Animal Number : 168 162

Result code : 293129

Degenerative Myelopathy (DM-sod1b)

Result : **Normal homozygous**

Interpretation : The animal has 2 normal copies of the SOD1B allele. The animal will not develop the form of Degenerative Myelopathy associated to the tested mutation. The animal will not transmit the genetic anomaly to its progeny.

Mathilde Verdier
Genetic Analyst

Aurélie Michel
Genetic Analyst

Result established on 28/12/2017

Certificate issued on 28/12/2017

Explanation

This test is specific to Degenerative Myelopathy in Bernese Mountain dog. This disorder is inherited as an autosomal recessive trait. This test relies on the detection of the c.52A>T mutation in the SOD1 gene (Zeng et al. 2014). This test can not be used to detect other forms of degenerative myelopathy, nor other hereditary forms of neurological diseases, nor other neurological disorders acquired during the life span of the animal. An another DNA test (DM-sod1A) is available to detect an other form of Degenerative Myelopathy in this breed

The laboratory ANTAGENE puts at its disposal all resources and means necessary with regards to reliability, quality assurance, and traceability in order to guarantee a result of 99% accuracy.