



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 : 293126

Multidrug Sensitivity (MDR1)

Result : **Normal homozygous**

Interpretation : The animal has 2 normal copies of ABCB1 (MDR1) gene. The animal will not develop the form of Multidrug Sensitivity associated to the tested mutation. Normal doses of Ivermectin, Loperamide and other drugs don't active toxic reactions. 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 Multidrug Sensitivity in dog. This disorder is inherited as an autosomal codominant trait. This test relies on the detection of the c.227_230delATAG mutation in the ABCB1 (MDR1) gene (Mealey et al. 2001). This test can not be used to detect other forms of multidrug sensitivity, nor other hereditary forms of metabolic diseases, nor other metabolic disorders acquired during the life span of the animal.

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.