

GENETIC CERTIFICATE

Ms Erika BROMOSE

Dystedvej 24
4684 Holmegaard
DENMARK

Name : **Fruenshøj's Dorit de Luxe**

Specie : **Dog**
Breed : **Bernese Mountain Dog**

ID Number : **208 250 000 143 606**
Pedigree Number : **DK03613/2020**

Gender : **Female**
Birth date : **16/02/2020**

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

Sample Number : **683 608**
Sample type : Blood sample
Sample date : 07/04/2020
Request date : 18/05/2020

Sample realized by :
SIF BERG Trine (Veterinarian)
4700 Naestved (DK)
Official Nb : **v3704**
Authenticated sample

File Nu. : 176 845
Animal Number : 219 550
Result code : 408236

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



Magali Kernalleguen
Genetic Analyst



Result established on 28/05/2020

Certificate issued on 28/05/2020

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.