

GENETIC CERTIFICATE

Ms Erika BROMOSE

Dystedvej 24
4684 Holmegaard
DENMARK

Name : **Fruenshøj's Cunningham**

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

ID Number : **208 250 000 118 762**
Pedigree Number : **DK13328/2018**

Gender : **Male**
Birth date : **28/06/2018**

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

Sample Number : **598 062** (Authenticated)
Sample type : Blood sample
Sample date : 23/08/2018
Request date : 28/08/2018

Sampler veterinarian :
MORTENSEN Desirée
4700 Næstved (DK)
Official number : **6008**

File Nu. : 151 125
Animal Number : 183 350
Result code : 325313

Degenerative Myelopathy (DM-sod1a)

Result : **Mutated homozygous**

Interpretation : The animal has 2 defective copies of the SOD1A allele . The animal will develop the form of Degenerative Myelopathy associated to the tested mutation. The animal will transmit the genetic anomaly to 100% of its progeny.

Caroline Dufaure De Citres
Genetic Analyst



Méline Corniquel
Genetic Analyst



Result established on 04/09/2018

Certificate issued on 04/09/2018

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.118G>A mutation in the SOD1 gene (Awano et al. 2009). 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-sod1B) 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.