

## GENETIC CERTIFICATE

**Ms Erika BROMOSE**

Dystedvej 24  
4684 Holmegaard  
DENMARK

Name : **Fruenshøj's Cameron**

Specie : **Dog**  
Breed : **Bernese Mountain Dog**  
  
ID Number : **208 250 000 118 761**  
Pedigree Number : **DK13329/2018**

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

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

Sample Number : **598 061** (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 : 183 351  
Result code : 325308

### Degenerative Myelopathy (DM-sod1a)

Result : **Normal homozygous**

Interpretation : The animal has 2 normal copies of the SOD1A 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.

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.