



## GENETIC CERTIFICATE

**Ms Erika BROMOSE**

Dystedvej 24  
4684 Holmegaard  
DENMARK

Name : **Cobie**

Breed : **Bernese Mountain Dog**

ID Number : **208 250 000 074 822**

Pedigree Number : **DK08798/2016**

Gender : **Female**

Birth date : **17/04/2016**

Owner :

**BROMOSE Erika**

4684 Holmegaard (DK)

Customer Nb : C73578

Sample Number : **494 790** (Authenticated)

Sample type : Blood sample

Sample date : 14/07/2016

Request date : 21/07/2016

Sampler veterinarian :

**OLSEN Peter Kjeldsted**

4700 Naestved (DK)

Official number : **5715**

File Nu. : 121 055

Animal Number : 141 612

Result code : 228960

### 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.

Result established on 27/07/2016

Certificate issued on 27/07/2016

Lina Muselet  
Genetics Engineer

#### 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.