



GENETIC CERTIFICATE

Name : **Qashqai Vom Moosmüllli**

Ms Karin NEFF
Paradiesstrasse 48
9404 Rorschacherberg
SWITZERLAND

Breed : **Bernese Mountain Dog**

ID Number : **756 097 200 099 561**
Pedigree Number : **734631**

Gender : **Male**
Birth date : **10/05/2015**

Owner :
NEFF Karin
9404 Rorschacherberg (CH)
Customer Nb : C79350

Sample Number : **495 318** (Authenticated)
Sample type : Blood sample
Sample date : 12/08/2016
Request date : 16/08/2016

Sampler veterinarian :
KRAMERS Paul
CH-8050 Zurich (CH)
Official number :

File Nu. : 121 855
Animal Number : 143 572
Result code : 231732

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 19/08/2016

Certificate issued on 19/08/2016

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.