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Report

No.: 1908-W-74865
Date of arrival: 02-09-2019
Testing started: 02-09-2019
Date of report: 02-09-2019
Testing completed: 02-09-2019

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| Patient identification: Dog           Female           * 21.04.18 |
|                               Berner Sennenhund       |
| Owner / Animal-ID:                Nielsen, Karin    |
| Type of sample:                    EDTA-Blood        |
| Date sample was taken:             30-08-2019        |
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Parameter	Value	Reference value
Name:	Berner-	
Emmas Zafira For Victory		
ZB-		
Nummer:	DK09597/2018	
Chip-		
Nummer:	208250000112035	
Tattoo-Nummer:	--	

Degenerative Myelopathy - PCR

Result: Genotype N/DM (exon 2)

Interpretation: The examined animal is heterozygous for the high-risk factor for DM in exon 2 of the SOD1-gene.

Trait of inheritance: autosomal-recessive

Please note: In the Bernese Mountain Dog breed the mutation in exon 1 of the SOD1-gene also occurs in correlation with DM.

Degenerative Myelopathy (Exon 1) - PCR

Result: Genotype N/N (exon 1)

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the high-risk factor for DM in exon 1 of the SOD1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Bernese Mountain Dog
Please note: In the Bernese Mountain Dog breed the mutation in exon 1 of the SOD1-gene also occurs in correlation with DM.

Sampling:

The following impartial person (veterinarian, breed warden, or similar) signed the form for the sampling and identity check of the animal:

Dr. Ronja Fedders

The current result is only valid for the sample submitted to our laboratory. The sender is responsible for the correct information regarding the sample material. The laboratory can not be made liable. Furthermore, any obligation for compensation is limited to the value of the tests performed.

There is a possibility that other mutations may have caused the disease/phenotype. The analysis was performed according to the latest knowledge and technology.

The laboratory is accredited for the performed tests according to DIN EN ISO/IEC 17025:2005. (except partner lab tests).

*** END of report ***

Hr.Dr. Beitzinger
Dipl.-Biol. Molekularbiologie