Jorma Lahti

Lähettäjä: "LABOKLIN | FI" <info@laboklin.fi>
Päivä: lauantai 26. toukokuuta 2018 13.07
Vastaanottaja: <millakes@gmail.com>
Aihe: Fwd: Lahti, Jorma Dog Collie Rough

Ystävällisin terveisin,

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-------- Original Message --------

Subject: Lahti, Jorma Dog Collie Rough
Date:2018-05-26 09:02
From:befund@laboklin.de
To:info@laboklin.fi

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Report
No.: 1805-W-19780
Date of arrival: 18-05-2018
Date of report: 25-05-2018

Patient identification:	Dog Collie Rough	Female * 09.12.16
Owner / Animal-ID:	Lahti, Jorma	
Type of sample:	EDTA-Blood	
Date sample was taken:	15-05-2018	

Name: **Millake's Marble Magda**
Stud book no.: **FI 12705/17**
Chip no.: **981098106448801**
Tattoo no.: **---**

*Collie Eye Anomaly (CEA) - PCR

Result: Genotype N/CEA

Interpretation: The examined animal is heterozygous for the causative mutation for CEA in the NHEJ1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Australian Shepherd, Bearded Collie, Border Collie, Boykin Spaniel, Hokkaido, Lancashire Heeler, Longhaired Wippet, Nova Scotia Duck Tolling Retriever, Rough/Smooth Collie, Shetland Sheepdogs, Silken Windhound

*MDR1 genetic test - PCR

Result: Genotype N/MDR (+/-)

Interpretation: The examined animal is heterozygous for the causative mutation for MDR in the ABCB1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Australian Shepherd, Border Collie, Elo, German Shepherd, Longhaired Whippet, McNab, Old English Sheepdog, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, WËller, White Shepherd

The DNA-test is run according to the publication of Mealey et al. (2001) "Ivermectin sensitivity in collies is associated with a deletion mutation of the mdr1 gene." and detects the mutation MDR1 nt230 (del4).

MDR1 genetic test carried out according to DIN EN ISO/IEC 17025 in our partnerlaboratory. Liability for specification of samples (e.g. name, identity of animal) lies by the sender.

Degenerative Myelopathy - PCR

Result: Genotype N/N (exon 2)

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry 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.

Sampling:

The sample of the animal was taken by the following official sampler (vet, breed warden etc.):

Lotta Axelson

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).

Breeding club discounts were granted for discountable services!

*** END of report ***

Fr. Dipl.-Ing. Christina Dangel
Abt. Molekularbiologie

*: test performed by partnerlaboratory