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LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

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Ms.
Valeria Lipkina
[redacted]
220004 Minsk, Belarus
Weißrussland

Report No.:	**2311-W-22117**
Date of arrival:	07.11.2023
Date of report:	17.01.2024
Testing started:	07.11.2023
Testing completed:	10.11.2023
Status of the report:	Final report

Species:	Dog
Breed:	Australian Cattle Dog
Gender:	Male
Name:	Limaband Expedito (Chip)
Stud book No.:	[redacted]
Chip No.:	[redacted]
Date of birth / Age:	05.10.2022
Type of sample:	EDTA-Blood
Date sample was taken:	02.11.2023
Sampler:	Lekarz Weterynarn - Jaroslaw Kopinski (70215)
Owner / Animal-ID:	Lipkina, Valeria
IT No. / Report-ID:	---

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.

Primary Lens Luxation (PLL) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for PLL in the ADAMTS17-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: American Eskimo Dog, American Hairless Terrier, Australian Cattle Dog, Chinese Crested, Chinese Foo Dog, Danish-Swedish Farmdog, Fox Terrier, Jagd Terrier, Jack Russell Terrier, Lakeland Terrier, Lancashire Heeler, Lucas Terrier, Miniature Bull Terrier, Norfolk Terrier, Norwich Terrier, Parson Russell Terrier, Patterdale Terrier, Pug, Rat Terrier, Sealyham Terrier, Teddy Roosevelt Terrier, Tenterfield Terrier, Tibetan Terrier, Volpino Italiano, Welsh Terrier, Westphalia Terrier, Yorkshire Terrier.

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Neuronal Ceroid Lipofuszinosis (NCL) -PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for NCL in the CL5-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Border Collie, Australian Cattle Dog

Neuronale Ceroid Lipofuszinose (NCL) adult onset - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype allele. It does not carry the causative mutation for NCL (adult onset form).

Trait of inheritance: autosomal recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Australian Cattle Dog

Cystinuria - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Cystinuria in the SLC3A1-gene.

Trait of inheritance: autosomal-dominant

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Australian Cattle Dog

prcd-PRA - PCR *

Result: Genotype N/PRA (B)

Interpretation: The examined animal is heterozygous for the causative mutation for prcd-PRA in the PRCD-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Australian cattle dog, American Cocker Spaniel, American Eskimo Dog, Australian Shepherd, Australian Stumpy Tail Cattle Dog, Barbet, Bearded Collie, Bolognese, Bolonka Zwetna, Chesapeake Bay Retriever, Chihuahua, Chinese Crested, English Cocker Spaniel, English Shepherd, Entlebucher Mountain Dog, Finnish Lapphund, German Spitz, Giant Schnauzer, Golden Retriever, Jack Russell Terrier, Karelian Beardog, Kuvasz, Lagotto Romagnolo, Lapponian Herder, Labrador Retriever, Markiesje, Norwegian Elkhound, Nova Scotia Duck Tolling Retriever, Parson Russell Terrier, Portugese Water Dog, Poodle, Schipperke, Swedish Lapphound, Silky Terrier, Spanish Water Dog, Swedish Lapphund, Wäller, Yorkshire Terrier.

Sample ID: 2311-W-22117

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Progressive Retinal Atrophy (rcd4 PRA) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for rcd4-PRA in the C2orf71-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Australian Cattle dog, English Setter, Gordon Setter, Irish Setter, Irish Red&White Setter, Old Danish Pointing Dog, Polish Lowland Sheepdog, Polish Tatra Sheepdog, Poodle, Small Munsterlander, Tibetan Terrier

Notice: It is assumed that other, until now unknown, mutations exist as app. 10% of ill Irish and Gordon Setters and 80% of ill Tibet Terriers do not carry this mutation.

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 17025:2018. (except partner lab tests).

Sampling:

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

Lekarz Weterynarn - Jaroslaw Kopinski (70215)

Breeding club discounts were granted for discountable services!

These results are based on the sample material submitted to our laboratory.

This was suitable if not stated otherwise. The submitter is responsible for the accuracy of the information regarding the sample. This report can only be transmitted in toto and unchanged. Doing otherwise requires written permission from Laboklin GmbH & Co. KG.

LABOKLIN is an officially accredited laboratory according to DIN EN ISO/IEC 17025:2018, DAkkS No. D-PL-13186-01-01 D-PL-13186-1-02 and D-PL-13186-01-03. The accreditation applies to all test procedureslisted in the accreditation certificate.

*: test performed by partner laboratory

Fr. MSc Laura Hübner
Abt. Molekularbiologie

***** END of report *****