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LABOKLIN GmbH&CoKG . Postfach 1810 .DE-97688 Bad Kissingen

Mrs.
Kirsten Laugesen
Hjerting Skovvej 4
6630 Roedding
Dänemark

Report
No.: 1906-W-73116
Date of arrival: 05-06-2019
Testing started: 05-06-2019
Date of report: 17-06-2019
Testing completed: 14-06-2019

Patient identification:	Dog Male	* 09.05.18
	Golden Retriever	
Owner / Animal-ID:	Laugesen, Kirsten	
Type of sample:	EDTA-Blood	
Date sample was taken:	03-06-2019	

Name: **Dutch Consolidation Catalyzing**
ZB-Nummer: **DK01420/2019**
Chip-Nummer: **528140000721684**
Tattoo-Nummer: ---

Progressive retina atrophy (GR_PRA1) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for GR_PRA1 in the SLC4A3-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Golden Retriever
Please note: There are other forms of PRA in this breed that will not be detected by this test.

Progressive Retinaatrophy (GR_PRA2) - PCR

Result: Genotype N/N

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

sample ID: 1906-W-73116

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GR_PRA2 in the TTC8-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Golden Retriever
Please note: There are other forms of PRA in this breed that will not be detected by this test.

***prcd-PRA (partner lab) - PCR**

Result: Genotype N/N (A)

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

***Ichthyosis - PCR**

Result: Genotype N/Ich

Interpretation: The examined animal is heterozygous for the causative mutation for ichthyosis in the PNPLA1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Golden Retriever

Muscular Dystrophy - PCR

Result: Genotype female X(N)/X(N), male X(N)/Y

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

Trait of inheritance: X chromosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Golden Retriever

Sampling:

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

Dyrlaege Gitte Uhd Soerensen

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 ***

Fr. MSc Michelle Meißler
Abt. Molekularbiologie

*: test performed by partnerlaboratory