

LABOKLIN GmbH & Co KG · 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

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 Lapphund, 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



sample ID: 1906-W-73116

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:

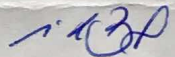
**Dyrlaeg Gitte Uhd Soerensen**

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