

LABOKLIN GmbH & Co. KG · Steubenstraße 4 · 97688 Bad Kissingen

Frau  
Sandra Jansson  
Husby-rosendal 14  
74195 Knivsta  
Schweden

**Report No.:** **2111-W-85216**  
Date of arrival: 17.11.2021  
Date of report: 24.11.2021  
Testing started: 17.11.2021  
Testing completed: 24.11.2021

Species:	Dog
Breed:	Labrador Retriever
Gender:	Male
Name:	Reedsweeper's Icefire
Stud book No.:	SE58857/2018
Chip No.:	900049000025808
Date of birth / Age:	06.11.2018
Type of sample:	EDTA-Blood
Date sample was taken:	10.11.2021
Sampler:	Leg.vet. Anneli Skäre
Owner / Animal-ID:	Jansson, Sandra
IT No. / Report-ID:	---

## **Dwarfism (Skeletal Dysplasia 2) - PCR**

Result: Genotype N/SD2

Interpretation: The examined animal is heterozygous for the causative mutation for SD2 in the COL11A2-gene.

Trait of inheritance: autosomal-recessive

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

## **Hereditary myopathy (CNM) - PCR**

Result: Genotype N/N

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

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds:  
Labrador Retriever Other forms of myopathy cannot be excluded 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, 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 Lapphund, Silky Terrier, Spanish Water Dog, Swedish Lapphund, Wäller, Yorkshire Terrier.

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:

**Leg.vet. Anneli Skäre**

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 accredited laboratory according to DIN EN ISO/IEC 17025:2018, DAkks No. D-PL-13186-01-01 and D-PL-13186-1-02. The accreditation applies to all test procedures listed in the accreditation certificate.**



Fr. MSc Michelle Meißler  
Abt. Molekularbiologie

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



Laboklin App

**\*\*\* News from the laboratory \*\*\***

Autumn is diarrhoea season: Up to 70% of all immune defence cells are located in the intestine. Immunodeficiency is therefore often associated with intestinal dysbiosis. The analysis of dysbiosis helps to treat it in a targeted way. It now includes an intestinal score, which allows for an overall assessment! Available for dogs, cats and - new - for horses, too.