

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

Ms.  
Hilde Viktoria Hagavei  
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Norwegen

**Report No.:** **2302-W-71873**  
Date of arrival: 15.02.2023  
Date of report: 20.02.2023  
Testing started: 15.02.2023  
Testing completed: 20.02.2023  
Status of the report: Final report

Species:	Cat
Breed:	Ragdoll
Gender:	Female
Name:	(N) Nordlaeningen's Rihanna Rock Star Matrix
Stud book No.:	(NO) NRR LO 208654
Chip No.:	578098100812154
Date of birth / Age:	28.10.2022
Type of sample:	Swab
Date sample was taken:	10.02.2023
Sampler:	Ingvild Havang
Owner / Animal-ID:	Hagavei, Hilde Viktoria
IT No. / Report-ID:	---

## **Name: (N) Nordlaeningen's Rihanna Rock Star Matrix Datter**

### **Hypertrophic cardiomyopathy (HCM1) Maine Coon - PCR**

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Hypertrophic Cardiomyopathy in the MYBPC3-gene (A31P).

Trait of inheritance: autosomal-dominant

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Maine Coon and related breeds

### **Hypertrophic Cardiomyopathy (HCM3) Ragdoll - PCR**

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Hypertrophic Cardiomyopathy in the MYBPC3-gene (R820W).

Trait of inheritance: autosomal-dominant

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Ragdoll and related breeds

**Polycystic kidney disease (PKD) - PCR**

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Polycystic Kidney Disease in the PKD1-gene.

Trait of inheritance: autosomal-dominant

**Progressive Retinal Atrophy (pd-PRA) - PCR**

Result: Genotype N/N

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

Trait of inheritance: autosomal recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Persian and related

**Genetic determination of bloodgroup - PCR**

Result: Genotype N/b

Interpretation: The examined animal is heterozygous for one of the causative genetic variants found in correlation with the serologic blood group B so far.

The test detects the genetic variants of the alleles b and c. Allelic series: N>c>b

Scientific studies found correlation between the allele c and the serologic blood group AB (C) exclusively for Ragdoll cats.

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:

**Ingvild Havang**

## 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 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 \*\*\***

From now on, most clinical chemistry profiles will measure the degree of haemolysis and lipaemia of the submitted sample and indicate, whether this affects any of the parameters and if so, which ones.