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Ms.
Hilde Viktoria Hagavei
Hagebyen 46
8050 Tverlandet
Norwegen

Report

No.: 1911-W-58063
Date of arrival: 19-11-2019
Testing started: 19-11-2019
Date of report: 20-11-2019
Testing completed:

Patient identification:	Cat	Female	* 27.03.19
	Ragdoll		
Owner / Animal-ID:	Hagavei, Hilde Viktoria		
Type of sample:	EDTA-Blood		
Date sample was taken:	04-11-2019		

Name: **(N) Nordlaeningen's Eskana Esmerelda Luna**
Stud book no.: **(NO) NRR LO 192134**
Chip no.: **578098100671949**
Tattoo no.: **---**

Hypertrophic cardiomyopathy (HCM) - 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 (Ragdoll) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the

sample ID: 1911-W-58063



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

Pyruvatkinase Deficiency:

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Pyruvate Kinase Deficiency in the PKLR-gene.

Trait of inheritance: autosomal-recessive

Progressive Retinal Atrophy (rdAc-PRA):

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Progressive retinal atrophy (rdAc-PRA) in the CEP290-gene.

Trait of inheritance: autosomal-recessive

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

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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.

Feline Spinal Muscular Atrophy (SMA) - PCR

pending

Glycogen storage disease (GSDIV) - PCR

pending

Sampling:

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

Trine Braendmo

*** END of report ***

Fr.Dipl.-Biol. Bärbel Gunreben
Abt. Molekularbiologie