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

Veterinaersenteret Fauske AS
Eliasbakken 9
8200 Fauske
Norwegen

Report
No.: 1909-W-45998
Date of arrival: 04-09-2019
Testing started: 04-09-2019
Date of report: 06-09-2019
Testing completed: 06-09-2019

Patient identification:	Cat Ragdoll	Female * 17.03.18
Owner / Animal-ID:	0658-60467 (Hagavei, Hilde)	
Type of sample:	EDTA-Blood	
Date sample was taken:	02-09-2019	

Name: **(N) Amasing Star's ZigZag Zoe of Milo**
Stud book no.: **NRR LO 188496**
Chip no.: **578098100611910**
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

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/N

Interpretation: The examined animal is homozygous for the N-allele. It does not carry the causative genetic variant found in

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correlation with the serologic blood group B and AB (C) 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

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Spinal Muscular Atrophy in the LIX1-LNPEP-gene.

Trait of inheritance: autosomal-recessive

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

Glycogen storage disease (GSDIV) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Glykogen storage disease Type IV in the GBE1-gene.

Trait of inheritance: autosomal-recessive

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

Referring vet: Trine S. Braendmo

*** END of report ***

Hr. Dr. Gueta
Abt. Molekular-/Mikrobiologie

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Steubenstraße 4 · 97688 Bad Kissingen · Tel.: 09 71/ 7 20 20 · Fax: 09 71/ 6 85 46 · Geschäftsführender Gesellschafter: LABOKLIN Verwaltungs-GmbH · RG. Schweinfurt HRA 3631
Bankverbindung: Sparkasse Bad Kissingen (BLZ 793 510 10) Kto.-Nr. 311 596 19, IBAN: DE09 793 510 1000 311 596 19, SWIFT/BIC: BYLADEM1KIS, BCEE Luxembourg Kto.-Nr.1507/3600-5,
IBAN: LU95 0019 1507 3600 5000, SWIFT/BIC: BCEELULL, e-Mail: info@laboklin.de · USt.ID DE206897824