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LABORATORIUM VOOR KLINISCHE DIAGNOSTIEK N.V.

LABOKLIN NV, Industriestraat 29, 6433 JW Hoensbroek

Maine Coon Cattery Millbridge
Ingrid van Veenendaal
Het Patronaat 38
7271 ZT Borculo
Nederland

Rapportnummer:	**2401-N-01240**
Datum van aankomst:	31.01.2024
Datum van het rapport:	19.02.2024
Testen begonnen:	31.01.2024
Testen voltooid:	
Status van het rapport:	Gedeeltelijk rapport

Diersoort:	Kat
Ras:	Maine Coon
Geslacht:	mannelijk
Naam:	Tuamotu of Da Vinci's Coon
Stamboeknummer:	NR.LOOF2022.18592
Chipnummer:	250269699548155
Geboortedatum / Leeftijd:	26.02.22
Type monster:	Swab
Eigenaar / Dier-ID:	Veenendaal van, I.
IT No. / Report-ID:	---

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

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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) - PCR

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

The test detects three genetic variants (268T>A, 179G>T, 1322delT) for the alleles b and one variant for c (364C>T).

Allelic series: N>c>b

Feline Spinal Muscular Atrophy (SMA) - PCR

pending

Glycogen storage disease (GSDIV) - PCR

pending

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DNA-profile (ISAG 2006) - PCR

FCA 069	**107/109**
FCA 075	**136/136**
FCA 105	**197/203**
FCA 149	**128/132**
FCA 220	**212/214**
FCA 229	**168/170**
FCA 310	**136/136**
FCA 441	**155/167**
FCA 678	**190/196**
FCA 005	**-/-**
FCA 026	**150/152**
FCA 201	**143/157**
FCA 224	**160/160**
FCA 293	**189/189**
FCA 453	**188/188**
FCA 649	**126/126**
TZXY:	**Y/X**

Nomenclature is based on ISAG comparison test 2006 standards.

The results are only for the sample material submitted to the laboratory. Responsibility for the accuracy of the information on the sample provided lies with the submitter. No warranty obligation for that information is provided. Damage claim liabilities, if legally permissible, are limited to the invoice value of the testing done. We are also only liable for intentional and gross negligence, if legally possible. Additional genetic modifications which might also influence the development of the disease/trait, cannot be ruled out. Testing was carried out according to current general scientific knowledge.

The laboratory is accredited for the tests listed in this report according to DIN EN ISO 17025:2018.

Sampling:

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

Breeding club discounts were granted for discountable services!

Drs. M. Bolumburu

***** EINDE van rapport *****