

Detection of c.5647G>A mutation in MYH7
gene causing HCM in domestic Shorthair
cats

Customer: Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic

Sample:

Sample: 08-12346

Date received: 01.01.2008

Sample type: buccal swab

Information provided by the customer

Name: Madame Théophile DEMO

Breed: Persian cat

Date of birth: 31.12.1909

Reg. number: (CZ)ABCD EF 123/45/XYZ

Microchip: 123456789012345

Sex: female

Date of sampling: 01.01.2008

The identity of the animal has been checked.

Result: Mutation was not detected (N/N)

Legend: N/N = wild-type genotype. N/P = carrier of the mutation. P/P = mutated genotype (individual will be most probably affected with the disease). (N = negative, P = positive)

Explanation

Presence or absence of c.5647G>A mutation in MYH7 gene causing Hypertrophic Cardiomyopathy (HCM) in domestic Shorthair cats. In HCM, there is thickening (hypertrophy) of the heart muscle, especially of the left ventricular wall. Clinical symptoms include breathing difficulties, coughing, lethargy and weakness.

The inheritance of the mutation in MYH7 gene is currently unknown, but it is thought to be autosomal dominant. This means that the disease develops in N/P individuals who inherit the mutated gene from one parent.

Method: SOPAgriseq_feline, ngs

Date of issue: 06.01.2008

Date of testing: 12.06.2008 - 06.01.2008

Approved by: Mgr. Martina Šafrová, Laboratory Manager



Genomia s.r.o, Republikánská 6, 31200 Plzeň, Czech Republic
www.genomia.cz, laborator@genomia.cz, tel: +420 373 749 999

Report verification code is: 12AB-CD34-GENO-MIA0-EFGH. You can verify report online at www.genomia.cz

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