GENOMIA
genetic laboratory

Result certificate #012345

Detection of gene variants in Wb locus
causing golden coat color in Siberian 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: 123 456 789 012 345
Sex: female
Date of sampling: 01.01.2008
The identity of the animal has been checked.

Result: PREVIEW RESULT LINE

Explanation

Presence or absence of gene variants c.2383C>T and c.839G>A in CORIN gene, locusu Wb, causing golden coat color in Siberian cats was tested. Sunshine color is caused by c.2383C>T variant (allele wbSIB), extreme sunshine is caused by c.839G>A variant (allele wbeSIB).

Dominance of alleles was established as follow: Wb > wbeSIB > wbSIB. Wb allele is not related to golden coat color. Genotype wbSIB/wbSIB is carried by sunshine cat, genotype wbeSIB/wbeSIB is carried by extreme sunshine cat, genotype wbeSIB/wbSIB is carried by extreme sunshine cat a carrier of sunshine. Variants of Wb locus are inherited autosomally recessively.

Method: SOPAgriseq_feline, MPS

Date of issue: 06.01.2008
Date of testing: 12.06.2008 - 06.01.2008
Approved by: Mgr. Martina Šafrová, Laboratory Manager

verified and certified document
GENOMIA genetic laboratory

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SAMPLE