GENOMIA
genetic laboratory

Result certificate #012345

Detection of DKK4 gene variants causing ticked coat pattern in 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

The presence or absence of gene variants c.53C>T (alelle Ti^{CK}) and c.188G>A (alelle Ti^{A}) of DKK4 gene causing ticked coat pattern in cats was tested. In the ticked coat pattern, the individual hairs are striped, but the cat itself has no pattern. To be able to express the ticked pattern, the cat must have the genotype A/A or A/a at the A locus. The tabby pattern can only be expressed in cats that have N/N at the ticked locus.

Variants causing the ticked pattern are inherited in an autosomal dominant trait. Individuals with the result Ti^{CK}/Ti^{CK}, Ti^{CK}/N, Ti^{A}/Ti^{A}, Ti^{A}/N, Ti^{CK}/Ti^{A} result have the ticked phenotype. Individuals with the result N/N do not carry the ticked pattern.

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

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
Without a written consent by the lab, the report must not be reproduced unless as a whole.
The result refers only to the tested sample, as received. Genomia is not responsible for the accuracy of the information provided by the customer.

SAMPLE