GENOMIA
genetic laboratory

Result certificate #012345

Detection of FGF5 gene variants causing long coat 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

Presence of gene variants M1 (c.356insT), M2 (c.406C>T), M3 (c.474delT), M4 (c.475A>C) of FGF5 gene causing long coat in cats was examined.

- If the result is N/N, the cat has short coat and does not transmit the long coat trait
- If the result is N/M1, N/M2, N/M3 or N/M4, the cat has short coat and carries the long coat trait
- If the result is M1/M1, M2/M2, M3/M3, M4/M4 or any other combination of two M-alleles, the cat is long-haired

Long coat phenotype is inherited in autosomal recessive trait. In case of mating two FGF5 carriers, theoretically, 25% long coated offspring will be born.

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

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