

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: Based on mutation examination genotype was determined E/e

Explanation

Presence of c.250G>A MC1R gene variants (locus E) affecting coat color in cats was tested. MC1R gene variant c.250A (allele e) was described in Norwegian Forest Cats and causes amber coat color. Inheritance of amber coloring is autosomal recessive.

Expression of amber coloring is subordinated to the dominant locus O, which is X linked. Amber is expressed only in individuals with e/e genotype, who are not carriers of dominant orange; cats and tom-cats with genotype e/e will have amber colour.

Method: SOP172-MC1R-cat, direct DNA sequencing

Date of issue: 06.01.2008

Date of testing: 12.06.2008 - 06.01.2008

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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