

**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 gene variants examination genotype was determined A/a

**Explanation**

Presence of gene variant c.123\_124delCA ASIP gene (locus A) affecting coat color in cats was tested. The gene, responsible for the regulation of the dark pigment distribution (eumelanin), is called ASIP (Agouti Signalling Protein). Agouti allele is marked A, and this allele is dominant. Agouti colouring appears as changing of dark and light strips in hair (this is called ticking). Allele called „a“ non-agouti is inherited recessively and causes uniform coat color of cat. The a/a individual is colored uniformly and any possible drawing is not visible. Heterozygous animals A/a are carriers of a-allele for uniform colour.

Method: SOP171-ASIP-cat, fragment analysis

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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