GENOMIA
genetic laboratory

**Result certificate #012345**

Detection of gene variant c.123_124delCA
ASIP gene affecting coat color 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: 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: 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