

Customer: Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic

Sample:

Sample: 21-12345

Date received: 01.02.2021

Sample type: blood

Information provided by the customer

Name: Lassie DEMO

Breed: Plemeno

Tattoo number: 1392013

Microchip: 123 456 789 012 345

Reg. number: REGQ12345

Date of birth: 1.1.2020

Sex: female

Date of sampling: 01.02.2021

The identity of the animal has been checked.

Result: e^H allele absent

Explanation

Presence or absence of c.250G>A variant in MC1R gene was tested, that is e^H variant of locus E. Allele e^H is responsible for sable color in American and English Cocker Spaniels. Expression of e^H in other breeds is not excluded.

Locus E hierarchy expression is as follows: $E^M > E > e^H > e$. This test only gives information about the e^H variant, not about E locus as a whole.

If the genotype contains the e^H allele in combination with the E^M or E allele, which are dominant to it, the resulting phenotype will not show sable colouration. The sable effect will only occur when the e^H allele is combined with another e^H allele or the e^1 allele.

Method: SOPAgriseq_canine, ngs, accredited method

Date of issue: 06.02.2021

Date of testing: 01.02.2021 - 06.02.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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Report verification code is: 12AB-CD34-GENO-MIA0-EFGH. You can verify report online at www.genomia.cz

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