

Result certificate #012345

Detection of gene variant c.67_69delGGA in CBD103 gene (locus K) in dogs

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: Based on gene variants examination genotype was determined K^B/K^B

Explanation

Presence or absence of c.67_69delGGA gene variant in CBD103 gene (locus K) was tested. The absence of the variant means the K^{B}/K^{B} genotype, the presence of the variant means the K^{B}/K^{B} genotype. Carriership of the variant (result K/k) means that the dog carries one of the following genotypes: K^{br}/K^{br} , K^{B}/K^{y} , K^{B}/K^{y} , K^{br}/K^{y} the listed genotypes cannot be distinguished by this test.

In K locus, three alleles with the following hierarchy have been identified: K^B (dominant black) $> k^{br}$ (brindle -causing the change of eumelanin and phaeomelanin production) $> k^y$ (recessive yellow). The E locus has an epistatic effect to the K locus.

Method: SOP188-MPS-canine, MPS

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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