

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^y/k^y 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^{br} , 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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