GENOMIA
genetic laboratory

Result certificate #012345

Detection of c.9772G>A mutation in the PKD1 gene causing BTPKD in English Bull Terriers

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: Mutation was not detected (N/N)

Explanation

Presence or absence of c.9772G>A mutation in PKD1 gene causing polycystic kidney disease (BTPKD) in English Bull Terriers was tested. The disease is characterized by the formation of fluid-filled cysts in the kidneys. These cysts endanger the function of kidneys and may result in kidney failure and death of the affected animal.

Mutation that is responsible for BTPKD is inherited as an autosomal dominant trait. That means the disease affects all dogs carrying mutated PKD1 gene (dogs with result N/P, negative / positive). When mating the affected heterozygote (N/P) with the healthy individual (N/N), the mutation is transmitted in 50 % of cases.

Method: SOP188-MPS-canine, MPS, accredited method

Date of issue: 06.02.2021
Date of testing: 01.02.2021 - 06.02.2021
Approved by: Mgr. Martina Šafrová, Laboratory Manager

verified and certified document GENOMIA genetic laboratory

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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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SAMPLE