GENOMIA
genetic laboratory

Result certificate #012345

Detection of c.del2986_2991 mutation in ADAMTS17 gene causing POAG-PLL in Shar Pei

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 ENSCAFT00000017051.3: c.del2986_2991 mutation in ADAMTS17 gene causing POAG-PLL in Shar Pei was tested. The primary open angle glaucoma (POAG) and the primary lens luxation (PLL) are two diseases that are both caused by the same mutation and thus are indistinguishable from the genetics point of view.

Mutation c.del2986_2991 that causes POAG-PLL is inherited as an autosomal recessive trait. That means the disease affects dogs with P/P genotype only. The dogs with N/P genotype are considered carriers of the disease (heterozygotes). In offspring of two heterozygous animals following genotype distribution can be expected: 25 % N/N, 25 % P/P and 50 % N/P.

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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SAMPLE