

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)**Legend:** N/N = wild-type genotype. N/P = carrier of the mutation. P/P = mutated genotype (individual will be most probably affected with the disease). (N = negative, P = positive)**Explanation**

Presence or absence of c.1122-2A>C mutation in PDGFRA gene causing bifid nose in Çatalburun dogs. A cleft nose is a condition in which the dog's nose develops as two separate nasal halves, divided by a central groove.

In Turkish Pointers, the phenotype occurs in heterozygotes, i.e. individuals that have one copy of the mutated gene inherited from one of their parents (N/P result). This is consistent with a probable autosomal dominant mode of inheritance. However, homozygous individuals (P/P result) for this mutation have not yet been identified, so the exact mode of inheritance has not been definitively confirmed. Dogs without a cleft nose have an N/N result.

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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