

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.434T>C mutation in MPZ gene causing Polyneuropathy in Golden Retrievers was tested. Polyneuropathy is an inherited neurological disease that affects the peripheral nerves and leads to impaired myelin formation. Clinical signs include weakness, difficulty walking, tremors or loss of reflexes. The disease can occur at a young age and gradually deteriorate the dog's quality of life.

The inheritance of the mutation is probably autosomal dominant. This means that one copy of the mutated gene inherited from either parent is enough to cause the symptoms of the disease.

Method: SOPAgriseq_canine, ngs

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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