

**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.11C>G mutation in RHO gene causing dominant progressive retinal atrophy (AD-PRA) in English Mastiffs and Bullmastiffs was tested. The first symptom is night blindness that can be identified in puppies at six weeks of age. The night blindness progresses gradually in blindness and at the age of 1 to 2 years.

Mutation that causes AD-PRA is inherited as an autosomal dominant trait. This means that it only takes one copy of the mutated gene inherited from one parent to cause symptoms of the disease (N/P genotype).

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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Report verification code is: 12AB-CD34-GENO-MIA0-EFGH. You can verify report online at [www.genomia.cz](http://www.genomia.cz)

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