

**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:** Based on mutation examination genotype was determined C/G

**Explanation**

Presence or absence of c.189C>G mutation in T-gene causing naturally short tail in dogs was tested. The naturally occurring short-tail phenotype has dominant expression:

- Dogs carrying the mutation in T-gene (result C/G) have naturally short tails.
- Individuals with C/C result have naturally long tail.
- Mutated homozygous status of T-gene (result G/G) is lethal already in the embryonic period due to serious rachischisis.

Method: SOPAgriseq\_canine, ngs, accredited method

Date of issue: 06.02.2021

Date of testing: 01.02.2021 - 06.02.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager



Genomia is accredited in compliance with ISO/IEC 17025:2018 under #1549

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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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