GENOMIA
genetic laboratory

Result certificate #012345

Detection of c.578C>T FGF5 gene variant influencing coat length in dogs

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: N/M5

Explanation

Presence of c.578C>T (M5) of FGF5 gene variant influencing coat length in dogs of breeds Akita, Siberian Husky and Samoyed was examined.

Long coat phenotype is inherited in autosomal recessive trait. Dogs with long coat (result M5/M5) carry c.578T (M5) gene variant on both alleles; they inherited M5 from both parents. Individuals N/M5 are carriers of long coat. By mating two N/M5 short coated dogs, 25% M5/M5 long coated offspring can be expected. Dogs with N/N result have short coat and they do not carry any long coat variant.

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

verified and certified document
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