GENOMIA
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Result certificate #012345

Detection of mutation c.1658G>A in PCK2 gene causing Paroxysmal exercise-induced dyskinesia in Shetland Sheepdogs

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 mutation c.1658G>A in PCK2 gene causing Paroxysmal exercise-induced dyskinesia in Shetland Sheepdogs was tested. Paroxysmal dyskinesia is an episodic movement disorder. Triggers can be, for example, physical exertion, stress or heat. During an episode, we observe impaired coordination of movements, increased muscle tone, cramps, slight tremors or even limited mobility. It is assumed that the mode of inheritance of the mutation is autosomal dominant with incomplete penetration. Paroxysmal dyskinesia can develop in dogs with N/P or P/P results. Dogs with N/N results are not at risk of paroxysmal dyskinesia.

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

verified and certified document
GENOMIA genetic laboratory

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