GENOMIA
genetic laboratory

# Result certificate #012345

Detection of c.2786G>A mutation in ADAMTS3 gene asociating with UAS in Norwich Terriers

**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.2786G>A mutation in ADAMTS3 gene, which is associated with the risk of development of Upper airway syndrome (UAS) in Norwich Terriers was tested. This disease manifests itself with respiratory symptoms of varying severity. Typical listening phenomena are loud harsh sound on inspiration caused by narrowing of the airways and snoring sound caused by relaxation of the soft palate. However, breathing difficulties can be more severe and can lead to collapse or suffocation. The main anatomical abnormalities in affected dogs include mild soft palate elongation, swelling of the pharyngeal mucosa and abnormal structure of the laryngeal mucosa and wall. Dogs with A/A genotype are at risk of UAS development. Dogs with G/G genotype, probably also G/A genotype, are without the risk of UAS development. The inheritance of the mutation has not been described yet.

Method: SOP188-MPS-canine, MPS, accredited method

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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