

## Result certificate #012345

Detection of c.2653+1G>A mutation in SNX14 gene causing NCCD in Hungarian Vizslas

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

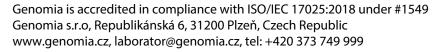
Presence or absence of c.2653+1G>A mutation in SNX14 gene causing Neonatal Cerebellar Cortical Degeneration (NCCD), or cerebellar abiotrophy, in Hungarian Vizslas was tested. NCCD is a neurodegenerative disease. The characteristic feature of the disease is cerebellar ataxia, that begins to develop at around three months of age and the progression is relatively fast. The affected dogs suffer from general lack of coordination, intention tremor and head tremor, insufficient response to threat and symptoms of dysfunction of balance organ incl. nystagmus.

Mutation that causes NCCD in Hungarian Vizslas is inherited autosomally recessively which means that the disease develops only in those dogs who inherit mutated allele from both parents; disease affects dogs with P/P genotype only. The dogs with N/P genotype are considered carriers of the disease (heterozygotes). In offspring of two heterozygous animals following genotype distribution can be expected: 25 % N/N, 25 % P/P and 50 % N/P.

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







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