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DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES
Protocol No. D2106011774

Customer: Dana VAN LOO
Gelderopseweg 30-46
5611SJ Eindhoven,, NL

Sample type: Buccal swab
Date of birth: 21.08.2017
Sex: F

Date of sampling: 07.06.2021
Date of receipt: 11.06.2021
Date of analysis: 15.06.2021

The identity of the animal has been verified. Sample collected by vet: Dierenkliniek Nossek en Verheijden, veterinary register no: 72071958

Breed/Name	**Tattoo or RFID id** Pedigree number	**Laboratory code**	**Type of analysis**	**Result**
Border Collie / Fella	528210004714259	210611/X1442	NCL5-border collie	N/N Non-affected

The results of analysis are stored in a database under the lab code 210611/X1442.

Hints:
NCL- Neuronal ceroid lipofuscinosis. Detection of c.619C> T substitution in CLN5 gene.
NCL N/N –non-affected – normal. Both genes, inherited from both male and female are unaffected. That means that the subject has both alleles healthy.
NCL N/A – carrier. Subjects with confirmed heterozygous N/A genotype are carriers. Gene mutation can be transmitted to offspring.
NCL A/A – affected subject. The subject is a homozygote with A/A genotype, which inherited the affected allele from both parents and thus is affected by the disease.

Notice:Notice: This protocol applies exclusively to the sample and the data that were supplied by the submitter. DNA analysis concerns only the above-mentioned disease. No information regarding the customer as well as the purpose and results of the analysis will be provided to third parties.

In Bratislava 15.06.2021
Ing. Marcela Bieliková, PhD.