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PROTOCOL OF DNA ANALYSIS FOR DETECTION OF INHERITED DISEASES

Protocol No. D1903000817

Customer: Beata ROGALSKA
Slaska 51/47
81-304 GDYNIA, PL

Sample type: buccal brush
Date of birth: 21.02.2017
Sex: F

Date of sampling: 25.02.2019
Date of receipt: 01.03.2019
Date of analysis: 11.03.2019

Identity of the animal has not been verified.

Breed/Name	Tattoo or RFID id Pedigree number	Laboratory code	Type of analysis	Result
Polish Lowland Sheepdog / JAGIELLONKA Prolog Poland FCI	616093900310930	190301/T0425	PRA-rcd4	N/A carrier
	PKR. I - 83827 K			

The results of analysis are stored in a database under the lab code 190301/T0425.

Hints:

Detection of mutation: c.3149_3150insC in C2orf71 gene responsible for PRA-RCD4 disease. Mutation that causes RCD4 is inherited as an autosomal recessive trait.

N/N–Dog tested negative for the c.3149_3150insC in C2orf71 gene mutation and will not pass on the defective gene to its offspring.

N/A–Both the normal and mutant copies of the gene detected. Dog is a carrier for the c.3149_3150insC and can pass on a copy of the defective gene to its offspring 50% of the time.

A/A–The dog carries two copies of the mutant gene and is homozygous for c.3149_3150insC. This dog will be affected and will always pass on the defective gene to its offspring.

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 purpose and results of the analysis will be provided to third parties.

In Bratislava 11.03.2019

Ing. Marcela Bielíková, PhD.