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DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES
Protocol No. D1905001492

Customer: YVES AEMMER
75 RUE DE BETSCHDORF RD 344
ANCIENNE MF ERZLACH

Sample type: buccal brush
Date of birth: 16.05.2017
Sex: F

Date of sampling: 29.03.2019
Date of receipt: 13.05.2019
Date of analysis: 15.05.2019

The identity of the animal has been verified. Sample collected by vet: GOBIER LUDWIG, veterinary register no: 20978

Breed/Name	Tattoo or RFID id Pedigree number	Laboratory code	Type of analysis	Result
Miniature American Shepherd / NEW GAME DU BOIS DES TERNES	250269606911137 1369/342	190513/T0813	CEA - SG: partner lab	WT/WT Normal

The results of analysis are stored in a database under the lab code 190513/T0813.

Hints:
CEA- collie eye anomalie (Choroidal Hypoplasia) - autosomal recessive – performed by partner lab, under Slovgen supervision. Mutation c.588+462_588+8260del7799bp in NHEJ1 gene.
WT/WT – Normal - healthy subject – non-affected. Both genes, inherited from both male and female are unaffected. That means that the subject has both alleles healthy.
MUT/WT - carrier. Subjects with confirmed heterozygous CEA R/r genotype are carriers. Gene mutation can be transmitted to offspring.
MUT/MUT – affected subject. The subject is a homozygote with r/r genotype, which inherited the affected allele from both parents and thus is affected by the disease.

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 17.05.2019
Ing. Marcela Bieliková, PhD.