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LABOKLIN
LABORATORIUM VOOR KLINISCHE DIAGNOSTIEK N.V.

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4254 EH Sleeuwijk
Nederland

Report
No.: 1806-N-11524
Date of arrival: 26-06-2018
Date of report: 02-07-2018

Patient identification:	dog	female * 12.11.14
	Chesapeake Bay Retriever	
Owner / Animal-ID:	van der Avort, J.	
Type of sample:	EDTA	
Date sample was taken:	26-11-2015	

Additional Order of 26.06.2018 to Report-No. 1512-N-03258
Original Sample received on: 02.12.2015

Name:	**Adey May's Girl Like Mine**
Stud book no.:	**NHSB 2985809**
Chip no.:	**528140000584026**
Tattoo no.:	**---**

Congenitale Ectodermal Dysplasia/Skin Fragility Syndrome (ED/SFS)

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for ED-SFS in the PKP1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Chesapeake Bay Retriever

Coat length I (long or short hair) - PCR

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HlHd1 SNP G284T: **L/L**

Interpretation:
The test detects the alleles L (shorthair) and l (longhair) in the FGF5 gene.

Allelic series: L dominant over l
solely genotype L/L: The analysed sample is homozygous for the L-allele for short-haired.

exactly one genotype L/l: The analysed sample is heterozygous for the L-allele and the l-allele. The l-allele for long-haired is forwarded to 50% of the dogs offspring.

multiple Genotypes L/l: The analysed sample is heterozygous for the L-allele and the l-allele on more than one gene-locus. The dog inherits the l-allele for long-haired to it's offspring.

at least one genotype l/l: The analysed sample is homozygous for the l-allele for long-haired.

Please note:
Further causative mutations for longhaired have been found in the following breeds:
Afghan Hound, Akita Inu, Alaskan Malamute, Chow Chow, Eurasian, Husky, Prague Rattler, Samoyed
The additional mutations might be responsible for longhair in further breeds.

The current result is only valid for the sample submitted to our laboratory. The sender is responsible for the correct information regarding the sample material.The laboratory can not be made liable. Furthermore, any obligation for compensation is limited to the value of the tests performed.

There is a possibility that other mutations may have caused the disease/phenotype. The analysis was performed according to the latest knowledge and technology.

The laboratory is accredited for the performed tests according to DIN EN ISO/IEC 17025:2005. (except partner lab tests).

*** END of report ***

Drs J. Vis