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LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

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Mr.
Kåre Fors
Röberg Karlsberg 111
43897 Rävlanda
Schweden

**Report**
No.: 1911-W-76039
Date of arrival: 06-11-2019
Testing started: 06-11-2019
Date of report: 07-11-2019
Testing completed: 07-11-2019

| | | | |
|---|---|---|---|
| Patient identification: | Dog<br>Landseer | Female | * 25.11.15 |
| Owner / Animal-ID: | Fors, Kare | | |
| Type of sample: | EDTA-Blood | | |
| Date sample was taken: | 05-11-2019 | | |

Name: **Cherry vom Graf Toggenburg**
ZB-Nummer: **SE21422/2016**
Chip-Nummer: **756093900027681**
Tattoo-Nummer: **---**

## Cystinuria - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Cystinuria in the SLC3A1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Newfoundland, Landseer

## Degenerative Myelopathy - PCR

Result: Genotype N/N (exon 2)

Interpretation: The examined animal is homozygous for the

wildtype-allele. It does not carry the high-risk factor for DM in exon 2 of the SOD1-gene.

Trait of inheritance: autosomal-recessive

Please note: In the Bernese Mountain Dog breed the mutation in exon 1 of the SOD1-gene also occurs in correlation with DM.

## Hyperuricosuria - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for HUU in the SLC2A9-gene.

Trait of inheritance: autosomal-recessive

## Muscular Dystrophy - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for MD in the COL6A1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Landseer

## Thrombopathia - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for thrombopathia in the Caldag-GEFI-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Landseer

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## D-locus D1 (dilution)

Result: Genotype D/D

Interpretation: The examined animal does not possess the d1 allele. If no other d variant is present, the examined animal is homozygous for the D–allele.

The test detects the alleles D and d1
Allelic series: D dominant over d1

Please note: Additional d variants have to be considered to fully evaluate the characteristic of dilution.

Please note:

A further causative mutation for dilution (d2) has been found in the foll
Chow Chow, Sloughi, Thai Ridgeback
The additional mutation might be responsible for dilution in further bree

## Sampling:

The following impartial person (veterinarian, breed warden, or similar) signed the form for the sampling and identity check of the animal:

**Ingrid Berger Engström**

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).

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*** END of report ***

Fr. MSc Michelle Meißler
Abt. Molekularbiologie

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