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Ms.  
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Ukraine

|                    |                     |
|--------------------|---------------------|
| <b>Report No.:</b> | <b>2112-W-96473</b> |
| Date of arrival:   | 08.12.2021          |
| Date of report:    | 10.12.2021          |
| Testing started:   | 08.12.2021          |
| Testing completed: | 10.12.2021          |

|                      |                              |
|----------------------|------------------------------|
| Species:             | Dog                          |
| Breed:               | Miniature Schnauzer          |
| Gender:              | Female                       |
| Name:                | Xtra Gorgeous Smart Mustache |
| Stud book No.:       | UKU.0336060                  |
| Chip No.:            | 991001002268677              |
| Date of birth / Age: | 15.07.17                     |
| Type of sample:      | Swab                         |
| Owner / Animal-ID:   | Kiyko, Nataliya              |
| IT No. / Report-ID:  | ---                          |

**Additional Order of 23.12.2020 to Report-No. 1812-W-73145 Original Sample received on: 23.12.2018**

### **Mycobacterium avium complex sensitivity (MAC) - PCR**

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype allele. It does not carry the causative mutation for MAC in the CARD9 gene.

Trait of inheritance: autosomal recessive

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

### **Myotonia congenita - PCR**

The volume of the stored DNA is insufficient to perform an additional genetic test.  
We would like to ask you to provide us with a new sample (EDTA blood or swabs).  
Thank you!

### **Progressive Retinal Atrophy (Type B1-PRA, HIVEP3) - PCR**

The result of this analysis was already transmitted in a previous report.

### **Charcot-Marie-Tooth Neuropathy (CMT) - PCR**

The result of this analysis was already transmitted in a previous report.

**Comma Defect (Spondylocostal Dysostosis) - PCR**

Result: Genotype N/CO

Interpretation: The examined animal is heterozygous for the causative mutation for comma defect in the HES7-gene.

Trait of inheritance: autosomal-recessive

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

**Persistent Müllerian Duct Syndrome (PMDS) - PCR**

The volume of the stored DNA is insufficient to perform an additional genetic test. We would like to ask you to provide us with a new sample (EDTA blood or swabs). Thank you!

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 17025:2018. (except partner lab tests).

These results are based on the sample material submitted to our laboratory.

This was suitable if not stated otherwise. The submitter is responsible for the accuracy of the information regarding the sample. This report can only be transmitted in toto and unchanged. Doing otherwise requires written permission from Laboklin GmbH & Co. KG.

**LABOKLIN is an accredited laboratory according to DIN EN ISO/IEC 17025:2018, DAkks No. D-PL-13186-01-01 and D-PL-13186-1-02. The accreditation applies to all test procedures listed in the accreditation certificate.**



Fr. MSc Michelle Meißler  
Abt. Molekularbiologie

**\*\*\* END of report \*\*\***

**\*\*\* News from the laboratory \*\*\***

Autumn is diarrhoea season: Up to 70% of all immune defence cells are located in the intestine. Immunodeficiency is therefore often associated with intestinal dysbiosis. The analysis of dysbiosis helps to treat it in a targeted way. It now includes an intestinal score, which allows for an overall assessment! Available for dogs, cats and - new - for horses, too.