TYPE B PRA TEST REPORT

Owner: Helle Agerskov
Torupvejen 123
Hundested, 3390
Denmark

OG#: 18-1173 Test Completed: 3/19/2018

TEST RESULT: HOMOZYGOUS WILD TYPE/CLEAR

Call Name: Xolo
Breed: Miniature Schnauzer
Registered Name: Chinon's Zero to None
Registered Number: DK19001/2017
ID Number: 208213990339211
Birthdate: 10/23/2017 Sex: m

Dear Helle,

We have tested your **Miniature Schnauzer, Xolo**, for Type B PRA:

Test Result: HOMOZYGOUS WILD TYPE/CLEAR
This dog's genotype for the predictive genetic marker, "Type B PRA Risk Variant" in Miniature Schnauzers is **Homozygous Wild Type/Clear**. It does not carry any copies of the Type B Risk Variant and is not at risk of developing this form of PRA. Dogs with this genotype can still develop other forms of PRA as, in the Miniature Schnauzer breed, there are at least two forms of PRA, i.e. the Type A PRA mutation and also an as yet uncharacterized PRA-causing mutation.

Recommendations for Breeding:
It is recommended that breeding pairs be selected in a way that would not produce puppies that carry two copies of (i.e. are Homozygous Risk Variant for) the Type B PRA Risk Variant. Mating of this dog with dogs that are either Homozygous Wild Type or Heterozygous for the Risk Variant will never produce puppies that are Homozygous for the Risk Variant. For further information, please consult the OptiGen website at www.optigen.com

DNA tests do not replace the importance of yearly examinations by your veterinary ophthalmologist.

March 19, 2018
Date of Report

Sue Pearce-Kelling
Sue Pearce-Kelling, President

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

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the associated mutation for PRA in the HIVEP3 gene.

Trait of inheritance: autosomal recessive

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

Charcot-Marie-Tooth Neuropathy (CMT) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causal mutation for CMT in the SBF2 gene.

Trait of inheritance: autosomal recessive

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

Comma Defect (Spondylocostal Dysostosis) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry 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

Persistant Müllerian Duct Syndrome (PMDS) - PCR

Result: Genotype N/PMDS

Interpretation: The examined animal is heterozygous for the causative mutation for PMDS in the MISRII-gene.

Trait of inheritance: autosomal-recessive

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

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).