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GENETIC TEST INTERPRETATION FORM

Reference No.: MEOESZ028/2019

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Animal Health

Owner Information

Last Name:	**Árkosi**	First name:	**Nóra**
City:	**Szigetmonostor**	Address:	**Rózsa str. 28.**
Country:	**Hungary**	ZIP Code:	**2015**
Phone:	**+36705210509**	E-mail:	**nora.arkosi@gmail.com**

Dog information

Registered Name:	**Parlagi Zsonglőr**	Registration No.:	**MET.Mv.7997/11**
Breed:	**Short-haired hungarian pointer**	Microchip No.:	**97227 40000 32550**
Gender:	**Male**	Date of Birth:	**29.01.2011**
Coat Colour/Length:	**Russet/Short**	Sample No.:	**MEOESZ028/2019**

Sample Information

Date of sample collection:	**10.10.2019**	Date of sample processing:	**11.12.2019**
Sample label:	**Parlagi Zsonglőr**	Sample received as:	**EDTA-Blood**
Sample taken by (name of veterinarian):		**Dr. Novák Nóra**	

Results

GENETIC TEST(S)	GENOTYPE
Degenerative myelopathy exon-2 (DM-exon2)	N/N
Hyperuricosuria (HUU)	N/N
Malignant hyperthermia (MH)	N/N
Canine coat lenght (PL)	N/N

Genotype Interpretation Form

Genotype N/N – CLEAR/NON-AFFECTED

The clear dog does not carry the mutation (a clear dog has two copies of the normal gene and will not pass on the mutation to their offspring).

Genotype N/A – CARRIER

The carrier dog has one copy of the normal form of the gene and one copy of the mutated gene (this is also referred to as being heterozygous), but it will not exhibit disease symptoms. Carriers will not have medical problems as a result. Gene mutation can be transmitted on to half of their offspring. Inform your veterinarian and consult with him/her regarding test result.

Genotype A/A – AFFECTED

The affected dog has two copies of the gene mutation (this is also referred to as being homozygous sick). Affected dogs will pass one copy of this mutation on to all of their offspring and should not be used for breeding. Inform your veterinarian and consult with him/her regarding this test result.

Genotype Interpretation Form for MH

N/N

The clear dog does not carry the mutation (a clear dog has two copies of the normal gene and will not pass on the mutation to their offspring).

N/A

Mutation that causes MH is inherited as an autosomal dominant trait. Only one copy of the mutated gene is sufficient for

Date: 11.12.2019

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development of clinical signs. The carrier dog has one copy of the normal form of the gene and one copy of the mutated gene (this is also referred to as being heterozygous). Gene mutation can be transmitted on to half of their off spring. Inform your veterinarian and consult with him/her regarding test result.

A/A

The affected dog has two copies of the gene mutation (this is also referred to as being homozygous sick). Affected dogs will pass one copy of this mutation on to all of their offspring and should not be used for breeding. Inform your veterinarian and consult with him/her regarding this test result.

Genotype Interpretation Form

Genotype N/N – CLEAR/NON-AFFECTED

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Genotype A/A – AFFECTED

The affected dog has two copies of the gene mutation (this is also referred to as being homozygous sick). Affected dogs will pass one copy of this mutation on to all of their offspring and should not be used for breeding. Inform your veterinarian and consult with him/her regarding this test result.

Notes

DM-exon2: presence or absence of the c.118G>A mutation in SOD1 gene was determined by sequencing.
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HUU: presence or absence of the c.616G>T mutation in SLC2A9 gene was determined by sequencing.
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MH: presence or absence of the c.1640T>C mutation in RYR1 gene was determined by sequencing.
PL: presence or absence of the c.284G>T mutation in FGF5 gene was determined by sequencing.
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