

SeqOmics Biotechnology Ltd. Vállalkozók útja 7. 6782 Mórahalom Hungary Phone: +36 30 392 3642 E-mail: animalhealth@seqomics.hu	GENETIC TEST INTERPRETATION FORM <i>Reference No.: 1990/2022</i>	
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Owner Information

Last Name:	Szecső	First name:	Attila Csaba
City:	Budaörs	Address:	Fodros u. 21.
Country:	Hungary	ZIP Code:	2040
Phone:	+36209345061	E-mail:	andrea.szecso@gmail.com

Dog information

Registered Name:	Blackthorn Neo	Registration No.:	Met.Labr 2346/20
Breed:	Labrador Retriever	Microchip No.:	94100 00243 80887
Gender:	Male	Date of Birth:	30.07.2020
Coat Colour/Length:	Black/Short	Sample No.:	1990/2022

Sample Information

Date of sample collection:	17.08.2022	Date of sample processing:	31.08.2022
Sample label:	94100 00243 80887	Sample received as:	EDTA-Blood
Sample taken by (name of veterinarian):	Dr. Juhász Tamás		

Results

GENETIC TEST(S)	GENOTYPE
Centronuclear myopathy (Labrador retriever) (CNM)	N/N
Dwarfism - Skeletal dysplasia 2 (Labrador Retriever) (DWARF)	N/N
Exercise-induced collapse (EIC)	N/N
Hereditary nasal parakeratosis (HNPK)	N/N
Progressive retinal atrophy (PRA-prcd)	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.

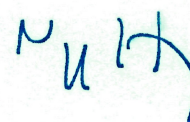
Notes

CNM: presence or absence of a 236 bp ins mutation in PTPLA gene was determined by sequencing.
 DWARF: presence or absence of the c.143G>C mutation in COL11A2 gene was determined by sequencing.
 EIC: presence or absence of the c.767G>T mutation in DNMT1 gene was determined by sequencing.
 HNPK: presence or absence of the c.972T>G mutation in SUV39H2 gene was determined by sequencing.
 PRA-prcd: presence or absence of the c.5G>A mutation in PRCD gene was determined by sequencing.

Date: 31.08.2022

Stamp and signature:

SEQOMICS Biotechnology Ltd.
 Vállalkozók street 7
 Mórahalom HU-6782
 VAT: HU 14654619



Quality assurance of the laboratory is in compliance with the EN/ISO/CEI 17025:2005 standard.
 National Food Chain Safety Office license number: 115/2015/Lab/NÉBIH
 ISAG ID number of the lab: 118494.

SeqOmics Biotechnology Ltd. cannot take any responsibility for the origin of the shipped samples.
 The result is valid only for the submitted sample.

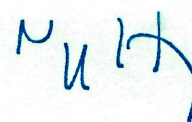
Without a written consent of the laboratory, partial copying of the interpretation form will invalidate it.

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