


SeqOmics Biotechnology Ltd. 6782 Mórahalom Vállalkozók útja 7. Hungary Tel: +36-30-427-6152 Email: animalhealth@seqomics.hu	<b>GENETIC TEST INTERPRETATION FORM</b>	
	<i>Reference No.: 968/2016</i>	

#### OWNER INFORMATION

First Name:	<b>Bettina</b>	Last Name:	<b>Kis</b>
Address:	<b>Ady Endre u. 21.</b>	City:	<b>Mátraderecske</b>
Country:	<b>Hungary</b>	Zip Code:	<b>3246</b>
Phone:	<b>06 30 754 68 83</b>	Email:	<b>beautyofmatra@gmail.com</b>

#### DOG INFORMATION

Registered Name:	<b>Beauty of Mátra Melody</b>	Registration No.:	<b>MET. Border Col. 777/15</b>
Breed:	<b>Border Collie</b>	Microchip No.:	<b>953000010235783</b>
Gender:	<b>Female</b>	Date of Birth:	<b>14.10.2015.</b>
Coat Colour / Length:	<b>Black and white / Long</b>	Sample No.:	<b>968/2016</b>

#### SAMPLE INFORMATION\*

Date of sample collection:	<b>30.08.2016.</b>	Date of sample processing:	<b>31.08.2016.</b>
Sample label:	<b>Melody</b>	Sample received as:	<b>EDTA-Blood</b>
Sample taken by (name of the veterinarian):	<b>dr. Marianna Kis</b>		

#### RESULTS

GENETIC TEST/S	GENOTYPE
Imerslund-Gräsbeck Syndrome (IGS)	<b>NA</b>
Multidrug Sensitivity (MDR1)	<b>NA</b>

#### GENOTYPE INTERPRETATION FORM


**Genotype NN – CLEAR NON-AFFECTED:** The clear dog do 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 NA – 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 that 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 this test result.

**Genotype AA – 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

The presence or absence of c.8392delC mutation in CUBN gene and c.295\_298del mutation in MDR1 gene were investigated by sequencing.

SeqOmics Biotechnology Ltd. Vállalkozók street 7 Mórahalom HU-6782 VAT: HU 14654619		
Date: <b>02/09/2016</b>	Stamp:	Signature: 

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.