


SeqOmics Biotechnology Ltd. Vállalkozók útja 7. 6782 Mórahalom Hungary Phone: +36 30 392 3642 E-mail: animalhealth@seqomics.hu	<b>GENETIC TEST INTERPRETATION FORM</b>	 www.seqomics.hu Animal Health
	Reference No.: 1327/2017	

**Owner Information**

Last Name:	<b>Jedlicska</b>	First name:	<b>Jevgenija</b>
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**Dog information**

Registered Name:	<b>Afrikan Makwangwala Abubakar Jelani To</b>	Registration No.:	<b>Met.Rhod.R.32/H/16.</b>
Breed:	<b>Rhodesian Ridgeback</b>	Microchip No.:	<b>90008 50001 63718</b>
Gender:	<b>Male</b>	Date of Birth:	<b>06.04.2015</b>
Coat Colour/Length:	<b>Red/Short</b>	Sample No.:	<b>1327/2017</b>

**Sample Information**

Date of sample collection:	<b>11.10.2017</b>	Date of sample processing:	<b>17.07.2018</b>
Sample label:	<b>Maxim</b>	Sample received as:	<b>EDTA-Blood</b>
Sample taken by (name of veterinarian):	<b>Dr.Papp Antal</b>		

**Results**

GENETIC TEST(S)	GENOTYPE
B-locus (Loc-B)	B/B

**Genotype Interpretation Form for Loc-B**

**Genotype B/B**  
The dog carries both copies of the dominant **B** allele (this dog will always pass on the **B** allele to any offspring). The dog is black in locus B and does not carry brown colour.


**Genotypes B/b<sup>c</sup> or B/b<sup>s</sup> or B/b<sup>d</sup>**  
The dog has one copy of the dominant **B** allele and one copy of the mutated gene (gene mutation can be transmitted on to half of their offspring). The dog is black in locus B and carries brown colour.

**Genotypes b<sup>c</sup>/b<sup>c</sup> or b<sup>s</sup>/b<sup>s</sup> or b<sup>d</sup>/b<sup>d</sup>**  
The dog has two copies of the mutated gene (gene mutation will always be transmitted to any offspring). The dog is brown in locus B.

**Genotypes b<sup>c</sup>/b<sup>s</sup> or b<sup>c</sup>/b<sup>d</sup> or b<sup>s</sup>/b<sup>d</sup> or b<sup>c</sup>/b<sup>s</sup>/b<sup>d</sup>**  
The dog has two or three mutated alleles. The dog may be carrier of brown colour in locus B without brown phenotype (all mutant alleles are inherited from the same parent) or is brown (mutant alleles are inherited from both parents).

**Notes**

Loc-B: presence or absence of the c.121T>A (b <sup>c</sup> ), c.991C>T (b <sup>s</sup> ) and c.1033-1036 delCCT (b <sup>d</sup> ) mutations in TYRP1 gene were determined by sequencing.
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Date: 17.07.2018	Stamp and signature:
<b>SEQOMICS Biotechnology Ltd.</b> 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.