

**CERTIFICATE OF GENETIC ANALYSIS - DOG****Owner:**

Bastiaan Vogel, Struweel 8, 3892CE, Zeewolde, Netherlands

**GENETIC TEST: D-locus (Dilution, d1 allele)**

<b>Name:</b>	MAKANYI EL-FAIYUM
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Male
<b>Date of Birth:</b>	18.7.2016
<b>Registration number:</b>	NHSB3051735
<b>Chip:</b>	528140000654919
<b>Sample / ID / Lab ID:</b>	Buccal swab / Makanyi / BB9
<b>Sample received:</b>	4.1.2022

**RESULT: D / D (no variant)****Result interpretation:**

**D / D (no variant)** - the c.-22G>A variant in *MLPH* gene was not detected in the tested individual. The sire/dam does not carry the colour dilution allele.

**D / d1 (carrier)** - the c.-22G>A variant was detected in one copy of *MLPH* gene in the tested individual. The sire/dam is a carrier of the colour dilution allele, but does not show colour dilution.

**d1 / d1 (homozygous for the variant)** - the c.-22G>A variant was detected in both copies of *MLPH* gene in the tested individual. The sire/dam is most likely to show the colour dilution.

Authorised by:



Miroslav Homak, Ph.D  
Head of Laboratory



**GenoCan**  
genetic laboratory  
Brno, Czech Republic

Date: 17.1.2022

**Primary sample:** The animal identity was verified and sample taken by veterinarian or authorised person.

**Test accuracy:** The ordered genetic test detects the variant c.-22G>A in *MLPH* gene. The accuracy of the analysis is >98 %.