

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

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

**GENETIC TEST: Ridge predisposition**

<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: R / R (Ridge / Ridge)****Result interpretation:**

**R / R (Ridge / Ridge)** - A ridge causing variant (133 kb duplication) was detected in two copies in tested individual. The sire/dam always passes one to their offspring. Ridge is a dominant trait, so their puppies are expected to have ridge in most cases.

**R / r (Ridge / ridgeless)** - A ridge causing variant (133 kb duplication) was detected in one copy in tested individual. The sire/dam has ridge in most cases but is a ridgelessness carrier. When mated to another R / r individual, statistically 25 % of puppies will be born ridgeless.

**r / r (ridgeless / ridgeless)** - no ridge causing variant (133 kb duplication) was detected in tested individual and is expected to be phenotypically ridgeless.

Authorised by:



Miroslav Hornak, Ph.D  
Head of Laboratory



**GenoCan**  
genetic laboratory  
Brno, Czech Republic

Date: 17.1.2021

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

**Test accuracy:** The genetic test detects the 133 kb duplication involving genes (FGF3, FGF4, FGF19 and ORAOV1) on chromosome 18. The accuracy of the analysis is >97 %.