

CERTIFICATE OF GENETIC ANALYSIS - DOG

Owner / Breeder:

Mevr. E. Kraayvanger
Koningsweg 31
3762 EA Soest
The Netherlands

Genetic test: Ridge disposition / copy number of ridge gene

Name:	MAKEBA'S OLYMPIA FAN ŮNDER DE MŮNE
Breed:	Rhodesian Ridgeback
Gender:	Female
Date of Birth:	6.9.2013
Registration number:	NHSB 2937680
Tattoo number:	-----
Chip:	528140000538227
Sample / ID / Lab ID:	saliva / 528140000538227 / AF256
Sample received:	19.12.2018

Result: Dominant homozygote (R/R) - 2 ridge genes

Result interpretation:

Dominant homozygote (R/R) possesses 2 ridge genes and passes 1 ridge gene to the offspring. Ridge is a dominant trait, therefore all puppies of a dominant homozygote have ridge. Very rarely, the ridge gene might be suppressed (see Table).

Authorised by, Date:


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21.12.2018

Test reliability: The ordered genetic test is highly predictive for ridge gene copy number (exactly 133 kb duplication copy on chromosome 18). The accuracy of analysis is >99%.

Ridge predisposition in Rhodesian Ridgebacks*			
Parents (Sire x Dam)	Puppies		
	ridged	ridgeless	risk of Dermoid sinus
R/R x R/R	100%	0%	increased
R/R x R/r or R/r x R/R	>95%	<5%	normal
R/r x R/r	75%	25%	normal / low

R/R – dominant homozygote (2 ridge genes), R/R puppy is always ridged
 R/r – heterozygote (1 ridge gene), R/r puppy is in 95% ridged, in approx. 5% ridgeless (ridge gene is suppressed)
 *prediction based on research, updated 1.2.2017