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Veterinary Research Institute
Hudcova 70, 621 00 Brno
Czech Republic

CERTIFICATE OF GENETIC ANALYSIS - DOG

Owner:

Fabrice Michaud,
23 les bertins,
89120 Chevillon,
France

Genetic test: Ridge disposition / copy number of ridge gene

Name:	SHUJAA RAFIKI COLLATERAL BEAUTY
Breed:	Rhodesian Ridgeback
Gender:	Male
Date of Birth:	24.9.2017
Registration number:	-----
Tatoo number:	-----
Chip:	191100000940613
Sample / ID / Lab ID:	blood / Goran / TB179
Sample received:	20.07.2020

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

Result interpretation:

Dominant homozygote (R/R) posses 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:

Miroslav Hornak, Ph.D.
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8.8.2020

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

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%.

laboratory accredited *ISO/IEC 17025*
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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