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Canis Genetics
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VRI VETERINARY RESEARCH INSTITUTE
Veterinary Research Institute
Hudcova 70, 621 00 Brno
Czech Republic

CERTIFICATE OF GENETIC ANALYSIS - DOG

Owner / Breeder:

Laura Lecluze,
Métairie de Bordeneuve,
47550 Boé,
France

Genetic test: Ridge disposition / copy number of ridge gene

Name:	NASKA DU CLOS BHAKTI
Breed:	Rhodesian Ridgeback
Gender:	Female
Date of Birth:	25.1.2017
Registration number:	LOF 6 RHO.RID.5285
Tatoo number:	-----
Chip:	250268731884472
Sample / ID / Lab ID:	Blood / Naska / ZW13
Sample received:	29.1.2019

Result: Heterozygote (R/r) - 1 ridge gene

Result interpretation:

Heterozygote (R/r) posses only 1 ridge gene. If the heterozygote is mated with another heterozygote, then statistically 25% of puppies will be ridgeless. When mated with a dominant homozygote, all puppies are ridged, but rarely ridge gene might be silenced (see Table).

Authorised by, Date: Miroslav Hornak, Ph.D.
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8.2.2019

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
č. 372 / 2012

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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