

## GENETIC TEST RESULT

**Ordered by:**

Ridgeback International  
Straelsebosweg 9a  
5916 RG Venlo  
The Netherlands

**Genetic test:** Ridge disposition / copy number of ridge gene

<b>Name:</b>	AARON AUS DEM ARTLAND
<b>Breed:</b>	Rhodesian Ridgeback
<b>Date of Birth:</b>	11.5.2013
<b>Registration number:</b>	IRV363459
<b>Tattoo number:</b>	-----
<b>Chip:</b>	276093400451584
<b>Sample / ID /Lab ID:</b>	buccal swab / LD18

**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:** Miroslav Hornak, Ph.D., 17.2.2017

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

**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% from blood, >96% from buccal swabs.

laboratory accredited

č. 372 / 2012

