

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: Ridge predisposition

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: R / r (Ridge / ridgeless)

R / r (Ridge / ridgeless) - A ridge causing variant (133 kb duplication) was detected in one copy in tested individual. The tested individual 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.

Authorised by:
Miroslav Homak, Ph.D.
Head of Laboratory
 **GenoCan**
genetic laboratory
Brno, Czech Republic**Date: 15.07.2024**

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

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 %. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: Juvenile Myoclonic Epilepsy (JME)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: N / N (clear)

N / N (clear) - the mutation was not detected in DIRAS1 gene in the tested individual.

Authorised by:
Miroslav Homak, Ph.D.
Head of Laboratory
 **GenoCan**
genetic laboratory
Brno, Czech Republic**Date: 15.07.2024**

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic test detects the mutation c.564_567delAGAC in DIRAS1 gene. The accuracy of the analysis is >98 %. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: Malignant Hyperthermia (MH)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: N / N (clear)

N / N (clear) - the mutation was not detected in RYR1 gene in the tested individual. The tested individual is not at risk of developing the disease.

Authorised by:
Miroslav Homak, Ph.D
Head of Laboratory
 **GenoCan**
genetic laboratory
Brno, Czech Republic**Date: 15.07.2024**

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic test detects the mutation c.1640T>C in RYR1 gene. The accuracy of the analysis is >98 %. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: Degenerative myelopathy (DM)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: N / N (clear)

N / N (clear) - mutation in exon 2 of SOD1 gene was not detected in the tested individual.

Authorised by:
Miroslav Homak, Ph.D
Head of Laboratory
 **GenoCan**
genetic laboratory
Brno, Czech Republic**Date: 15.07.2024**

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic test detects mutations in exon 2 of the SOD1 gene. The accuracy of the analysis is >98 %. The test might be performed in a partner laboratory. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: D-locus (Dilution, d1 allele)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: D / D (no variant)

D / D (no variant) - the variant was not detected in MLPH gene in the tested individual. The tested individual does not carry the colour dilution allele.

Authorised by:
Miroslav Homak, Ph.D
Head of Laboratory
 **GenoCan**
genetic laboratory
Brno, Czech Republic**Date: 15.07.2024**

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic test detects the variant c.-22G>A in MLPH gene. The accuracy of the analysis is >98 %. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: B-locus (Brown)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: B / bs (carrier)

B / bs (carrier) - the tested individual is a carrier of brown disposition.

Authorised by:
Miroslav Homak, Ph.D
Head of Laboratory
 **GenoCan**
genetic laboratory
Brno, Czech Republic**Date: 15.07.2024**

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic test detects variants c.991C>T (bs), c.1033_1036delCCT (bd) and c.121T>A (bc) in TYRP1 gene. The accuracy of the analysis is >98 %. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: Haemophilia B (HemB)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: Xn / Xn (clear)

The disease is sex-linked, clinical signs depend on the sex of the tested individual:

Xn / Xn (clear) - the mutation was not detected in F9 gene in the female. There is no risk of disease in the tested individual and transmission to offspring.

Authorised by:

Miroslav Homak, Ph.D
Head of Laboratory



GenoCan
genetic laboratory
Brno, Czech Republic

Date: 15.07.2024

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic analysis tests the mutation c.731G>A (OMIA 000438-9615) ± 25 base pairs in F9 gene. The accuracy of the analysis is >98 %. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: Early Onset Adult Deafness (EOAD)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: N / N (clear)

N / N (clear) - the mutation was not detected in EPS8L2 gene in the tested individual.

Authorised by:
Miroslav Homak, Ph.D.
Head of Laboratory
 **GenoCan**
genetic laboratory
Brno, Czech Republic**Date: 15.07.2024**

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic test detects the mutation chr18:g.25868739-25868751del in EPS8L2 gene. The accuracy of the analysis is >98 %. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.

CERTIFICATE OF GENETIC ANALYSIS**Breeder**

Calatabiano Roberto, Hofstraat 45, 3530 Limburg , Belgium

GENETIC TEST: Inherited Ventricular Arrhythmia (RR IVA)

Name:	GESCALA VANITY SHAKIRA
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	18.02.2022
Registration number:	LOSH-01349477
Chip:	945000002428825
Sample / ID / Lab ID:	Blood / Shakira / BD299
Sample received:	9.7.2024

RESULT: N / N (negative)

N / N (negative) - The standard variant on both copies of the QIL1 gene was detected in the tested individual.

Authorised by:

Miroslav Homak, Ph.D
Head of Laboratory



GenoCan
genetic laboratory
Brno, Czech Republic

Date: 15.07.2024

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person (Dierenartsenpraktijk Een hart voor pootjes, Dierenarts Gwen Goris).

Test accuracy: The ordered genetic test detects the variant chr20: g.54343438G>A in the QIL1 gene. The accuracy of the analysis is >98%. The customer is responsible for correct identification and sampling. The test report shall be reproduced in its entirety.