

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 Hornak, Ph.D
Head of 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 Hornak, Ph.D
Head of 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 Hornak, Ph.D
Head of 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 Hornak, Ph.D
Head of 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 Hornak, 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 Hornak, Ph.D
Head of 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 Hornak, Ph.D
Head of 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 Hornak, Ph.D
Head of 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 Hornak, Ph.D
Head of 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.