

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapflenstrasse 13, 8113 Boppelsen, Switzerland

GENETIC TEST: Ridge predisposition

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
Sample / ID / Lab ID:	Blood / Khalaya / BC297
Sample received:	11.9.2023

RESULT: R / R (Ridge / Ridge)

R / R (Ridge / Ridge) - A ridge causing variant (133 kb duplication) was detected in two copies in tested individual and always passes one to their offspring. Ridge is a dominant trait, so their puppies are expected to have ridge in most cases.

Authorised by:

Miroslav Homak, Ph.D
Head of Laboratory



GenoCan
genetic laboratory
Brno, Czech Republic

Date: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

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.

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapflenstrasse 13, 8113 Boppelsen, Switzerland

GENETIC TEST: Juvenile Myoclonic Epilepsy (JME)

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
Sample / ID / Lab ID:	Blood / Khalaya / BC297
Sample received:	11.9.2023

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: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

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.

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapflenstrasse 13, 8113 Boppelsen, Switzerland

GENETIC TEST: Malignant Hyperthermia (MH)

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
Sample / ID / Lab ID:	Blood / Khalaya / BC297
Sample received:	11.9.2023

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



GenoCan
genetic laboratory
Brno, Czech Republic

Date: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

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.

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapflenstrasse 13, 8113 Boppelsen, Switzerland

GENETIC TEST: Degenerative myelopathy (DM)

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
Sample / ID / Lab ID:	Blood / Khalaya / BC297
Sample received:	11.9.2023

RESULT: P / N (carrier)

P / N (carrier) - mutation in exon 2 was detected in one copy of SOD1 gene in the tested individual. The tested individual is a healthy carrier. There is a statistical 50 % risk of passing mutation to the offspring.

Authorised by:

Miroslav Homak, Ph.D
Head of Laboratory



GenoCan
genetic laboratory
Brno, Czech Republic

Date: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

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.

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapflenstrasse 13, 8113 Boppelsen, Switzerland

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

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
Sample / ID / Lab ID:	Blood / Khalaya / BC297
Sample received:	11.9.2023

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: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

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.

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapflenstrasse 13, 8113 Boppelsen, Switzerland

GENETIC TEST: B-locus (Brown)

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
Sample / ID / Lab ID:	Blood / Khalaya / BC297
Sample received:	11.9.2023

RESULT: B / B (no variant)

B / B (no variant) - the tested individual does not carry brown color disposition.

Authorised by:

Miroslav Homak, Ph.D
Head of Laboratory



GenoCan
genetic laboratory
Brno, Czech Republic

Date: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

Test accuracy: The ordered genetic test detects variants c.991C>T, c.1033_1036delCCT and c.121T>A in TYRP1 gene. The accuracy of the analysis is >98 %. The customer is responsible for correct identification and sampling.

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapfenstrasse 13, 8113 Boppelsen, Switzerland

GENETIC TEST: Haemophilia B (HemB)

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
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Sample received:	11.9.2023

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: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

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.

CERTIFICATE OF GENETIC ANALYSIS**Owner/Breeder**

Hoppe Jasmine, Stapfenstrasse 13, 8113 Boppelsen, Switzerland

GENETIC TEST: Early Onset Adult Deafness (EOAD)

Name:	KHALAYA KHIONE KOMAINU NEOMELE
Breed:	Rhodesian Ridgeback
Sex:	Female
Date of Birth:	25.11.2022
Registration number:	HR 11024 RR
Chip:	191100002232587
Sample / ID / Lab ID:	Blood / Khalaya / BC297
Sample received:	11.9.2023

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: 20.09.2023

Primary sample: The animal identity was not verified and the sample was not taken by veterinarian or authorised person.

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.