

**CERTIFICATE OF GENETIC ANALYSIS****Owner/Breeder**

Hoppe Jasmine, Stapfenstrasse 13, 8113 Boppelsen, Switzerland

**GENETIC TEST: Ridge predisposition**

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	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 verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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**

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**GENETIC TEST: Juvenile Myoclonic Epilepsy (JME)**

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	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 verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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)**

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	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 verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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.

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**GENETIC TEST: Degenerative myelopathy (DM)**

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	11.9.2023

**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: 20.09.2023**

**Primary sample:** The animal identity was verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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.

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

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	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 Hornak, Ph.D  
Head of Laboratory



**GenoCan**  
genetic laboratory  
Brno, Czech Republic

**Date: 20.09.2023**

**Primary sample:** The animal identity was verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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**

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**GENETIC TEST: B-locus (Brown)**

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	11.9.2023

**RESULT: B / B (no variant)**

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

**Authorised by:**

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Head of Laboratory



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genetic laboratory  
Brno, Czech Republic

**Date: 20.09.2023**

**Primary sample:** The animal identity was verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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.

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**GENETIC TEST: Haemophilia B (HemB)**

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	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.

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Head of Laboratory



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genetic laboratory  
Brno, Czech Republic

**Date: 20.09.2023**

**Primary sample:** The animal identity was verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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**

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**GENETIC TEST: Early Onset Adult Deafness (EOAD)**

<b>Name:</b>	<b>GODSENT MUSE FEMME FATALE STAR FIRE</b>
<b>Breed:</b>	Rhodesian Ridgeback
<b>Sex:</b>	Female
<b>Date of Birth:</b>	18.3.2022
<b>Registration number:</b>	SHSB 794490
<b>Chip:</b>	944116000182367
<b>Sample / ID / Lab ID:</b>	Blood / Latvija / BC298
<b>Sample received:</b>	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 verified and sample taken by veterinarian or authorised person (Dr. Susanne Weber, 79774 Albbruck).

**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.