



Single Report



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Animal's Details

Registered Name :	Lynneville's Dirty Martini
Pet Name :	Pimento
Registration Number :	SS40758404
Breed :	Labrador Retriever
Microchip Number :	
Sex :	Female
Date of Birth :	20th Apr 2023
Colour :	Chocolate

Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : DEGENERATIVE MYELOPATHY

Result : NEGATIVE / CLEAR [NO VARIANT DETECTED] ¹

Gene : Superoxide dismutase 1 (SOD1) on chromosome 31

Variant Detected : Base Substitution c.118G>Ap.Glu40Lys

We have scanned the DNA and the genotype of this animal is NORMAL - no presence of the disease associated variant (mutation) has been detected. This result may also be referred to as NORMAL, "-/-" or "wild type (WT)" or "homozygous negative". The animal is clear of the disease and will not pass on the disease-causing variant.

Clarification of Genetic Testing

Genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

- 1) Some diseases may demonstrate signs of what Geneticists call "genetic heterogeneity". This is a term to describe an apparently single condition that may be caused by more than one mutation and/or gene
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Animal's Details

Registered Name : Lynneville's Dirty Martini

Pet Name : Pimento

Registration Number : SS40758404

Breed : Labrador Retriever

Microchip Number :

Sex : Female

Date of Birth : 20th Apr 2023

Colour : Chocolate

Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : ELLIPTOCYTOSIS B-SPECTRIN (LABRADOR RETRIEVER/POODLETYPE)

Result : NEGATIVE / CLEAR [NO VARIANT DETECTED] ¹

Gene : Spectrin beta erythrocytic (SPTB) Chromosome 8

Variant Detected : Base Substitution c.6384C>T Thr2110Met

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Microchip Number :

Sex : Female

Date of Birth : 20th Apr 2023

Colour : Chocolate

Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : EXERCISE INDUCED COLLAPSE (RETRIEVER TYPE)

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]** ¹

Gene : DNM1

Variant Detected : Base Substitution c.767 G>T

We have scanned the DNA and the genotype of this animal is **NORMAL** - no presence of the disease associated variant (mutation) has been detected. This result may also be referred to as **NORMAL**, **"-/-"** or **"wild type (WT)"** or **"homozygous negative"**. The animal is clear of the disease and will not pass on the disease-causing variant.

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Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : HEREDITARY NASAL PARAKERATOSIS/DRY NOSE (LABRADOR RETRIEVER TYPE)

Result : CARRIER [ONE COPY OF THE VARIANT DETECTED] ¹

Gene : Suppressor of variegation 3-9 homolog 2 (SUV39H2) on chromosome 2

Variant Detected : Base Substitution c.972T>Gp.Asn324Lys

We have scanned your animal's DNA and one copy of the normal gene and copy of the positive (mutant) gene has been detected. The genotype of the animal tested is CARRIER this result may also be referred to as HETEROZYGOUS or A/N or "+/-". Being an autosomal recessive disease the animal will not exhibit disease symptoms or develop the disease. Consideration needs to be taken if breeding this animal as it may produce affected offspring if mated to another carrier. It is recommended to have any breeding partner tested before breeding.

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Test Reported : HYPERURICOSURIA

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]** ¹

Gene : Solute carrier family 2 member 9 (SLC2A9) on chromosome 3

Variant Detected : Base Substitution c.563G>Tp.Cys188Phe

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Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : MACULAR CORNEAL DYSTROPHY (LABRADOR TYPE)

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]** ¹

Gene : LOC4

Variant Detected : c.814C>A

We have scanned the DNA and the genotype of this animal is NORMAL - no presence of the disease associated variant (mutation) has been detected. This result may also be referred to as NORMAL, "-/-" or "wild type (WT)" or "homozygous negative". The animal is clear of the disease and will not pass on the disease-causing variant.

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Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : MALIGNANT HYPERTHERMIA

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]**¹

Gene : Ryanodine receptor 1 (RYR1) on Chromosome 1

Variant Detected : Base Substitution c.1640T>Cp.Val547Ala

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Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : MYOTUBULAR MYOPATHY X-LINKED (LABRADOR RETRIEVER TYPE)

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]** ¹

Gene : Myotubularin 1 (MTM1) on Chromosome X

Variant Detected : Base Substitution c.465C>Ap.Asn155Lys

We have scanned the DNA and the genotype of this animal is NORMAL - no presence of the disease associated variant (mutation) has been detected. This result may also be referred to as NORMAL, "-/-" or "wild type (WT)" or "homozygous negative". The animal is clear of the disease and will not pass on the disease-causing variant.

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Test Reported : NARCOLEPSY (LABRADOR)

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]** ¹

Gene : Hypocretin receptor 2 (HCRT2) on Chromosome 12

Variant Detected : Base Substitutionc.1105+5G>Asplice site mutation

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Test Reported : SKELETAL DYSPLASIA 2 (MILD DISPROPORTIONATE DWARFISM)

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]** ¹

Gene : Collagen alpha-2(XI) chain gene (COL11A2) on chromosome 12

Variant Detected : Base Substitutionc.143G>Cp.Arg48Pro

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Sample with Lab ID Number 24A163048 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported

Test Reported : STARGARDT DISEASE (RETINAL DEGENERATION)

Result : **NEGATIVE / CLEAR [NO VARIANT DETECTED]** ¹

Gene : ABCA4

Variant Detected : c.4176insC

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