

## Dog Information

<b>Louise</b> NAME	<b>Female</b> SEX
<b>Labrador Retriever</b> BREED ANCESTRY	-- DATE OF BIRTH
<b>American Kennel Club (AKC)</b> REGISTRATION	n/a MICROCHIP

**Brittany N Pescara**

OWNER NAME

**Canine Genetic Health Screen**

TEST

**April 23rd, 2022**

TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Centronuclear Myopathy, CNM	PTPLA	NN	Clear	
Degenerative Myelopathy, DM	SOD1A	GG	Clear	
Exercise-Induced Collapse, EIC	DNM1	GT	1 Variant	
Hereditary Nasal Parakeratosis, HNPk	SUV39H2	GG	Clear	
Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU	SLC2A9 (Exon 5)	GG	Clear	
Macular Corneal Dystrophy, MCD	CHST6	CC	Clear	
Narcolepsy	HCRTR2	AA	Clear	
Progressive Retinal Atrophy, prcd	PRCD Exon 1	GG	Clear	
Pyruvate Kinase Deficiency	PKLR Exon 7 SNP Variant 1	CC	Clear	
Skeletal Dysplasia 2, SD2	COL11A2	GG	Clear	
Achromatopsia	CNGA3 (Exon 7 Deletion)	NN	Clear	
Alexander Disease	GFAP (Exon 4)	GG	Clear	
Canine Elliptocytosis	SPTB Exon 30	CC	Clear	
Congenital Myasthenic Syndrome, CMS	COLQ (Exon 14)	TT	Clear	
Golden Retriever Progressive Retinal Atrophy 2, GR-PRA2	TTC8 Exon 8	NN	Clear	

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## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Myotubular Myopathy 1, X-linked Myotubular Myopathy, XL-MTM	MTM1 (Exon 7)	CC	Clear	
Progressive Retinal Atrophy, crd4/cord1	RPGRIP1 (Exon 2)	NN	Clear	
Stargardt Disease	ABCA4 Exon 28	NN	Clear	
Ullrich-like Congenital Muscular Dystrophy	COL6A3	GG	Clear	

## Laboratory Report

<b>Laboratory #:</b>	281940	<b>Call Name:</b>	Louise
<b>Order #:</b>	127874	<b>Registered Name:</b>	-
<b>Ordered By:</b>	Brittany Pescara	<b>Breed:</b>	Labrador Retriever
<b>Ordered:</b>	Dec. 29, 2021	<b>Sex:</b>	Female
<b>Received:</b>	April 11, 2022	<b>DOB:</b>	May 2021
<b>Reported:</b>	April 14, 2022	<b>Registration #:</b>	-

### Results:

Disease	Gene	Genotype	Interpretation
Retinal Dysplasia/Oculoskeletal Dysplasia 1	COL9A3	WT/WT	Normal (clear)

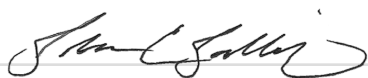
WT, wild type (normal); M, mutant; Y, Y chromosome (male)

### Interpretation:

Molecular genetic analysis was performed for a specific mutation reported to be associated with Retinal Dysplasia/Oculoskeletal Dysplasia 1 in dogs. We identified two normal copies of the DNA sequences in the COL9A3 gene tested. Thus, this dog is not at an increased risk for Retinal Dysplasia/Oculoskeletal Dysplasia 1.

### Recommendations:

No mutations were identified. Thus, this dog is not at an increased risk for the disease caused by or associated with the mutation tested. Because this dog is "clear" of this mutation, this dog will only pass the normal gene on to its offspring. Normal results do not exclude inherited mutations not tested in this gene or other genes that may cause medical problems or may be passed on to offspring. Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.



**Blake C Ballif, PhD**  
 Laboratory & Scientific Director



**Casey R Carl, DVM**  
 Associate Medical Director

Paw Print Genetics® performed the tests listed on this dog. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. The results included in this report relate only to the items tested using the sample provided. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the test(s)' accuracy and precision with >99.9% sensitivity and specificity. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a breed identification test. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think any results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results.



3382 Capital Circle NE  
Tallahassee, FL 32308

# Genetic Testing Report

**Louise**

## Submitted By

Brittany Pescara

1080 County Road T3  
Grand Rapids , OH 43522  
USA

## Owned By

Brittany Pescara

## Subject Dog

Dog Name: **Louise**

Lab Reference #: **585239**

Breed: **Labrador Retriever**

Phenotype: **white**

Sex: **Female**

Birth:

## Disorder Results (1 of 1)

Stargardt

n/n

Dog is clear of the gene mutation associated with Stargardt Disease.

**BSL EVERY "LOUISE" NEEDS A THELMA**

SS27504601

F YELLOW LABRADOR RETRIEVER

Born May 27 2021

Sire: SS18631304

Dam: SS18930308

Registry	Test Date	Report Date	Age (m)	Conclusion	OFA Number
ELBOW	Nov 1 2022	Nov 4 2022	17	NORMAL	<i>Preliminary Evaluation</i>
PATELLA	Nov 1 2022	Nov 3 2022	17	NORMAL	LR-PA3339/17F/P-VPI
BASIC CARDIAC	Nov 1 2022	Nov 3 2022	17	NORMAL-PRACTITIONER	LR-BCA1797/17F/P-VPI
HIPS	Sep 26 2023	Oct 2 2023	27	GOOD	LR-271014G27F-C-PI