

Canine Genetic Health Certificate™

Call Name:	Deja	Laboratory #:	298833
Registered Name:	-	Registration #:	SS31588801
Breed:	Labrador Retriever	Certificate Date:	Oct. 17, 2022
Sex:	Female		
DOB:	Jan. 2022		

This canine's DNA showed the following genotype(s):

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	<i>PTPLA</i>	WT/WT	Normal (clear)
Congenital Myasthenic Syndrome (Labrador Retriever Type)	<i>COLQ</i>	WT/M	Carrier
Copper Toxicosis (Labrador Retriever Type) ATP7A	<i>ATP7A</i>	WT/M	Carrier Female
Copper Toxicosis (Labrador Retriever Type) ATP7B	<i>ATP7B</i>	WT/WT	Normal (clear)
Exercise-Induced Collapse	<i>DNM1</i>	WT/WT	Normal (clear)
Hereditary Nasal Parakeratosis (Labrador Retriever Type)	<i>SUV39H2</i>	WT/WT	Normal (clear)
Macular Corneal Dystrophy (Labrador Retriever Type)	<i>CHST6</i>	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Golden Retriever 2	<i>TTC8</i>	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</i>	WT/M	Carrier
Retinal Dysplasia/Oculoskeletal Dysplasia 1	<i>COL9A3</i>	WT/WT	Normal (clear)
Skeletal Dysplasia 2	<i>COL11A2</i>	WT/WT	Normal (clear)
Stargardt Disease	<i>ABCA4</i>	WT/WT	Normal (clear)

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

NOTE: The following fields were adjusted at the client's request on Oct 17, 2022: Registration ID



Blake C Ballif, PhD
Laboratory & Scientific Director



Casey R Carl, DVM
Associate Medical Director

Paw Print Genetics® performed the testing on the dog listed on this certificate. See the Laboratory Report for interpretation and recommendations based on these findings. 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 these 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. Genetic counseling is available at Paw Print Genetics.



Orthopedic Foundation for Animals

2300 E Nifong Blvd, Columbia, MO 65201-3806

Phone: (573) 442-0418; Fax: (573)875-5073

www.ofa.org, A not-for-profit organization

Call name: Deja

Registered name: FR'S O No U Di'int

Breed: Labrador Sex: F

ID Number (if any): Tattoo Microchip
956000013798423

Registration Number: AKC Other
5531588801

Date of Birth (mm/dd/yy): 01/21/22 Date of Exam (mm/dd/yy): 1/02/22

Owner Name: Jessica Dowler

Co-Owner Name: Casey Dowler Phone: 605-691-3044

Owner Address: PO Box 72

City: Britton State: SD Zip/postal code: 57430

E-Mail (use both lines if needed):
frlabse@yahoo.com

I hereby certify that the animal examined is the animal described on this application, and understand that the results of this exam will be submitted by the examining ophthalmologist to the database for statistical gathering purposes. I understand that only passing results will be released to the public unless the initials of a registered owner or authorized agent appear in the authorization box below which permits the OFA to release non-passing results to the public.

Jessica F Dowler

Signature of owner or authorized agent/representative

I hereby authorize the OFA to release the results of the evaluation of the animal described on this application to the public if the results are non-passing (initials) _____

I DID verify microchip/tattoo on this dog

I DID NOT verify microchip/tattoo on this dog

NO MICROCHIP/TATTOO PRESENT

I certify that I have performed this ophthalmic examination using pharmacological mydriasis, ophthalmoscopy, and biomicroscopy.

Signature: [Signature] ACVO #: _____ Date: 1/22/22

Diplomat, American College of Veterinary Ophthalmologists

FEES AND CREDIT CARD INFORMATION ON THE BACK OF THE WHITE (OWNER) COPY



860859

Companion Animal Eye Registry (CAER)

RIGHT EYE	GLOBE	LEFT EYE
<input type="checkbox"/>	microphthalmos	<input type="checkbox"/>
<input type="checkbox"/>	keratoconjunctivitis sicca	<input type="checkbox"/>
<input type="checkbox"/>	glaucoma	<input type="checkbox"/>
EYELIDS		
<input type="checkbox"/>	entropion	<input type="checkbox"/>
<input type="checkbox"/>	ectropion	<input type="checkbox"/>
<input type="checkbox"/>	distichiasis	<input type="checkbox"/>
<input type="checkbox"/>	ectopic cilia	<input type="checkbox"/>
<input type="checkbox"/>	imperforate lacrimal punctum	<input type="checkbox"/>
NICTITANS		
<input type="checkbox"/>	cartilage anomaly/eversion	<input type="checkbox"/>
<input type="checkbox"/>	gland prolapse	<input type="checkbox"/>
<input type="checkbox"/>	plasmoma/atypical pannus	<input type="checkbox"/>
CORNEA		
<input type="checkbox"/>	dystrophy — epithelial/stromal	<input type="checkbox"/>
<input type="checkbox"/>	dystrophy — endothelial	<input type="checkbox"/>
<input type="checkbox"/>	pannus	<input type="checkbox"/>
<input type="checkbox"/>	pigmentary keratitis/keratopathy	<input type="checkbox"/>
UVEA		
<input type="checkbox"/>	uveal cyst	<input type="checkbox"/>
<input type="checkbox"/>	iris coloboma	<input type="checkbox"/>
<input type="checkbox"/>	iris hypoplasia	<input type="checkbox"/>
<input type="checkbox"/>	iris sphincter dysplasia	<input type="checkbox"/>
<input type="checkbox"/>	pigmentary uveitis	<input type="checkbox"/>
<input type="checkbox"/>	uveal melanoma	<input type="checkbox"/>
persistent pupillary membranes		
LENS		
<input type="checkbox"/>	anterior cortex	<input type="checkbox"/>
<input type="checkbox"/>	posterior cortex	<input type="checkbox"/>
<input type="checkbox"/>	equatorial cortex	<input type="checkbox"/>
<input type="checkbox"/>	anterior sutures	<input type="checkbox"/>
<input type="checkbox"/>	posterior sutures	<input type="checkbox"/>
<input type="checkbox"/>	nucleus	<input type="checkbox"/>
<input type="checkbox"/>	capsular	<input type="checkbox"/>
<input type="checkbox"/>	generalized/complete	<input type="checkbox"/>
<input type="checkbox"/>	resorbing/hypermature	<input type="checkbox"/>
<input type="checkbox"/> Significance Unknown/Suspect Not Inherited		
<input type="checkbox"/> posterior Y-suture tip opacities		
<input type="checkbox"/> subluxation/luxation		
VITREOUS		
<input type="checkbox"/>	PHPV/PHTVL	<input type="checkbox"/>
<input type="checkbox"/>	persistent hyaloid artery	<input type="checkbox"/>
degeneration		

Ophthalmologist Name: Adam King, DVM, DACVO

Ophthalmologist Address: EC555

City: _____ State: _____ Zip/postal code: _____

Phone: _____ ACVO #: _____

Email: askingdvm@gmail.com

RIGHT EYE	FUNDUS	LEFT EYE
<input type="checkbox"/>	retinal detachment	<input type="checkbox"/>
<input type="checkbox"/>	retinal atrophy—generalized	<input type="checkbox"/>
<input type="checkbox"/>	CMR/CMR-like retinopathy	<input type="checkbox"/>
<input type="checkbox"/>	other presumed inherited retinopathy	<input type="checkbox"/>
retinal dysplasia		
<input type="checkbox"/>	choroidal hypoplasia	<input type="checkbox"/>
<input type="checkbox"/>	coloboma	<input type="checkbox"/>
<input type="checkbox"/>	optic nerve coloboma	<input type="checkbox"/>
<input type="checkbox"/>	optic nerve hypoplasia	<input type="checkbox"/>
<input type="checkbox"/>	micropapilla	<input type="checkbox"/>
OTHER CONDITIONS		
<input type="checkbox"/>	Unlisted conditions suspected as inherited. Describe in comments	<input type="checkbox"/>
<input type="checkbox"/>	Unlisted conditions suspected as not inherited	<input type="checkbox"/>

NORMAL

Comments

Coat Color and Trait Certificate

Call Name:	Deja	Laboratory #:	298833
Registered Name:	-	Registration #:	SS31588801
Breed:	Labrador Retriever	Certificate Date:	Oct. 17, 2022
Sex:	Female		
DOB:	Jan. 2022		

This canine's DNA showed the following genotype(s):

Coat Color/Trait Test	Gene	Genotype	Interpretation
B Locus (Brown)	<i>TYRP1</i>	B/B	Black coat, nose and foot pads (does not carry brown)
D Locus (Dilute)	<i>MLPH</i>	D/D	Non-dilute (does not carry dilute)
E Locus - e (Apricot/Cream/Red/Yellow, Common Variant Found in Many Breeds)	<i>MC1R</i>	E/e	Black (carries yellow/red)

Interpretation:

This dog does not carry any copies of the b^a, b^c, b^d or b^s mutations and has a B locus genotype of **B/B**. Thus, this dog typically will have a black coat, nose, and foot pads. However, this dog's coat color is dependent on the genotypes of many other genes. This dog will pass one copy of **B** to 100% of its offspring and cannot produce b/b dogs.

This dog does not carry any copies of the d¹ or d² mutations and has a D locus genotype of **D/D** which does not result in the "dilution" or lightening of the pigments that produce the dog's coat color. This dog will pass one copy of **D** to 100% of its offspring and cannot produce d/d dogs.

This dog carries one copy of **E** and one copy of **e** which allows for the production of black pigment. However, this dog's coat color is also dependent on the K, A, and B genes. This dog will pass **E** on to 50% of its offspring and **e** to 50% of its offspring, which can produce a yellow/red coat (including shades of white, cream, yellow, apricot or red) if inherited with another copy of **e**.

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.

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