Companion Animal Eye Registry (CAER)

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

Registered name: Burton Creeks Bailey's on the Rocks
Breed: Labrador Retriever Sex: Bitch
ID Number (if any): 839330803 ☐ Tattoo ☑ Microchip
Registration Number: SR93468803 ☐ AKC ☐ Other
Date of Birth (mm/dd/yy): 04 30 16 Date of Exam (mm/dd/yy): 06 02 19

Owner Name: Lonnie Moran
Co-Owner Name: Danna Hancock Phone: 8179943312
Owner Address: 2928 Columbine Dr.
City: Grapevine State: TX Zip/postal code: 76051
E-Mail (use both lines if needed): LONNIE@HoneyHollowlabs.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.

Lonnie Moran
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: Terri Baldwin ACVO #: 281 Date:
Diplomate, American College of Veterinary Ophthalmologists

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

588090

Ophthalmologist Name: Dr. Terri Baldwin EC281
Ophthalmologist Address: BluePearl Veterinary Partners
City: Clearwater, FL State: Zip/postal code:
Phone: 727-572-0132 ACVO #: EC281
Email:

RIGHT EYE	GLOBE	LEFT EYE
☐	microphthalmos	☐
☐	keratoconjunctivitis sicca	☐
☐	glaucoma	☐
	EYELIDS	
☐	entropion	☐
☐	ectropion	☐
☐	distichiasis	☐
☐	ectopic cilia	☐
☐	imperforate lacrimal punctum	☐
	NICTITANS	
☐	cartilage anomaly/eversion	☐
☐	gland prolapse	☐
☐	plasmoma/atypical pannus	☐
	CORNEA	
☐	dystrophy — epithelial/stromal	☐
☐	dystrophy — endothelial	☐
☐	pannus	☐
☐	pigmentary keratitis/keratopathy	☐
	UVEA	
☐	uveal cyst	☐
☐	iris coloboma	☐
☐	iris hypoplasia	☐
☐	iris sphincter dysplasia	☐
☐	pigmentary uveitis	☐
☐	uveal melanoma	☐
☐	persistent pupillary membranes	☐

CORNEA (T N A P) — endothelial opacity/no strands; lens pigment foci/no strands; iris sheets; iris to cornea; iris to lens; iris to iris; free floating; single; multiple

CATARACT (T N A P)

Incomp.	Incip.	Punc.	LENS	Punc.	Incip.	Incomp.
☐	☐	☐	anterior cortex	☐	☐	☐
☐	☐	☐	posterior cortex	☐	☐	☐
☐	☐	☐	equatorial cortex	☐	☐	☐
☐	☐	☐	anterior sutures	☐	☐	☐
☐	☐	☐	posterior sutures	☐	☐	☐
☐	☐	☐	nucleus	☐	☐	☐
☐	☐	☐	capsular	☐	☐	☐
☐	generalized/complete					☐
☐	resorbing/hypermature					☐

☐ ***suspect not inherited*** ☐

☐ subluxation/luxation ☐

ant. chamber	syneresis	VITREOUS	syneresis	ant. chamber
☐	☐	PHPV/PHTVL	☐	☐
☐	☐	persistent hyaloid artery	☐	☐
☐	☐	degeneration	☐	☐

RIGHT EYE	FUNDUS	LEFT EYE
☐	retinal detachment	☐
☐	retinal atrophy—generalized	☐
☐	retinopathy	☐
☐	retinal dysplasia	☐
☐	choroidal hypoplasia	☐
☐	coloboma	☐
☐	optic nerve coloboma	☐
☐	optic nerve hypoplasia	☐
☐	micropapilla	☐

RIGHT EYE: ☐ detached ☐ geographic ☐ folds
LEFT EYE: ☐ folds ☐ geographic ☐ detached

OTHER CONDITIONS	
☐ Unlisted conditions suspected as **inherited**. Describe in comments	☐
☐ Unlisted conditions suspected as **not inherited**	☐

☑ **NORMAL** ☑

Comments

WHITE = Owner/OFA Registration copy; PINK = ACVO Diplomate copy; YELLOW = ACVO Research copy

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

BARTON CREEK BAILEYS ON THE ROCKS, CH
registered name

LABRADOR RETRIEVER
breed

839330803
tattoo/microchip/DNA profile

1865114
application number

4/19/2019
date of report

SR93468803
registration no.

F
sex

4/30/2016
date of birth

35
age at evaluation in months

LR-239772E35F-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

A Not-For-Profit Organization

RESULTS:
Based upon the radiograph submitted, the consensus was that no evidence of hip dysplasia was recognized. The hip joint conformation was evaluated as:

EXCELLENT

G.G.KELLER. D.V.M., M.S., DACVR
CHIEF OF VETERINARY SERVICES

owner
LONNIE MORAN
DANNA HANCOCK
2928 COLUMBINE DR.
GRAPEVINE, TX 76051

www.ofa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

BARTON CREEK BAILEYS ON THE ROCKS, CH
registered name

LABRADOR RETRIEVER
breed

839330803
tattoo/microchip/DNA profile

1865114
application number

4/19/2019
date of report

SR93468803
registration no.

F
sex

4/30/2016
date of birth

35
age at evaluation in months

LR-EL89281F35-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

A Not-For-Profit Organization

RESULTS:
Based upon the radiograph submitted, the consensus was that no evidence of elbow dysplasia was recognized.

NORMAL

G.G.KELLER. D.V.M., M.S., DACVR
CHIEF OF VETERINARY SERVICES

owner
LONNIE MORAN
DANNA HANCOCK
2928 COLUMBINE DR.
GRAPEVINE, TX 76051

www.ofa.org

Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

Canine Genetic Health Certificate™

Call Name:	Bailey	**Laboratory #:**	120190
Registered Name:	Barton Creek's Bailey's On The Rocks	**Registration #:**	SR93468803
Breed:	Labrador Retriever	**Microchip #:**	839*330*803
Sex:	Female	**Certificate Date:**	May 13, 2019
DOB:	April 2016		

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

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	*PTPLA*	WT/WT	Normal (clear)
Congenital Myasthenic Syndrome (Labrador Retriever Type)	*COLQ*	WT/WT	Normal (clear)
Copper Toxicosis (Labrador Retriever Type) ATP7A	*ATP7A*	M/M	Two Copy Carrier Female
Copper Toxicosis (Labrador Retriever Type) ATP7B	*ATP7B*	WT/WT	Normal (clear)
Degenerative Myelopathy	*SOD1*	WT/WT	Normal (clear)
Exercise-Induced Collapse	*DNM1*	WT/WT	Normal (clear)
Hereditary Nasal Parakeratosis	*SUV39H2*	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	*PRCD*	WT/WT	Normal (clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	*COL9A3*	WT/WT	Normal (clear)
Skeletal Dysplasia 2	*COL11A2*	WT/WT	Normal (clear)

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

Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Casey R Carl, DVM
Associate Medical Director

Paw Print Genetics® performed the tests listed on this dog. 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. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. 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.

Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

Coat Color and Trait Certificate

Call Name:	Bailey	**Laboratory #:**	120190
Registered Name:	Barton Creek's Bailey's On The Rocks	**Registration #:**	SR93468803
Breed:	Labrador Retriever	**Microchip #:**	839*330*803
Sex:	Female	**Certificate Date:**	May 13, 2019
DOB:	April 2016		

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
D Locus (Dilute)	*MLPH*	D/D	Non dilute
L Locus (Long Hair/Fluffy)	*FGF5*	Sh/Sh	Shorthaired

Interpretation:

This dog carries two copies of **D** which does not result in the "dilution" or lightening of the black and yellow/red pigments that produce the dog's coat color. The base coat color of this dog will be primarily determined by the E, K, A, and B genes. This dog will pass on **D** to 100% of its offspring.

This dog carries two copies of **Sh** which results in short hair. However, the overall coat type of this dog is dependent on the combination of this dog's genotypes at the L, Cu, and IC loci. This dog will pass **Sh** on to 100% of its 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.

Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Casey R Carl, DVM
Associate Medical Director

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. These tests were developed and their performance determined by Paw Print Genetics®. This laboratory has established and verified the tests' accuracy and precision. 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.

Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

220 E. Rowan, Suite 220
Spokane, Washington 99207
www.pawprintgenetics.com
(509) 483-5950

Laboratory Report

Laboratory #:	120190	**Call Name:**	Bailey
Order #:	58581	**Registered Name:**	Barton Creek's Bailey's On The Rocks
Ordered By:	Lonnie Moran	**Breed:**	Labrador Retriever
(Co-)Owner:	Lonnie Moran / Danna Hancock	**Sex:**	Female
Ordered:	April 17, 2019	**DOB:**	April 2016
Received:	May 3, 2019	**Registration #:**	SR93468803
Reported:	May 13, 2019	**Microchip #:**	839*330*803

Results:

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	*PTPLA*	WT/WT	Normal (clear)
Congenital Myasthenic Syndrome (Labrador Retriever Type)	*COLQ*	WT/WT	Normal (clear)
Copper Toxicosis (Labrador Retriever Type) ATP7A	*ATP7A*	M/M	Two Copy Carrier Female
Copper Toxicosis (Labrador Retriever Type) ATP7B	*ATP7B*	WT/WT	Normal (clear)
Degenerative Myelopathy	*SOD1*	WT/WT	Normal (clear)
Exercise-Induced Collapse	*DNM1*	WT/WT	Normal (clear)
Hereditary Nasal Parakeratosis	*SUV39H2*	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	*PRCD*	WT/WT	Normal (clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	*COL9A3*	WT/WT	Normal (clear)
Skeletal Dysplasia 2	*COL11A2*	WT/WT	Normal (clear)

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

Interpretation:

Molecular genetic analysis was performed for 10 specific mutations reported to be associated with disease in dogs (nine deleterious mutations and one protective mutation). We identified two normal copies of the DNA sequences in nine of the mutations tested. Thus, this dog is not at an increased risk for the diseases associated with these nine mutations. However, we identified two mutant copies of the DNA sequences for *ATP7A*. Thus, this dog carries two copies of the protective mutation for Copper Toxicosis (Labrador Retriever Type) ATP7A.

Recommendations:

This dog is not at an increased risk for the diseases caused by or associated with the mutations tested. Because this dog is "clear" of the nine disease-associated, deleterious mutations, this dog will only pass these normal genes on to its offspring. Normal results do not exclude inherited mutations not tested in these genes or other genes that may cause medical problems or may be passed on to offspring.

This dog was also tested for a genetic mutation of the canine *ATP7A* gene which partially protects against copper toxicosis in dogs that have inherited the *ATP7B* mutation described above. This dog carries two copies of the *ATP7A* gene mutation. Dogs that inherit two copies of the *ATP7A* mutation will have an even lesser risk of copper toxicosis than those inheriting just a single copy. The *ATP7A* gene mutation is more effective at decreasing the risk

of copper toxicosis in male dogs than females. However, since multiple factors (both genetic and environmental) play a role in causing copper toxicosis, the *ATP7A* mutation is not completely protective in either sex. Note: The *ATP7A* mutation is located on the X-chromosome. Since males only have a single X chromosome, they can only inherit a single copy of this mutation.

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.

Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Casey R Carl, DVM
Associate Medical Director

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. These tests were developed and their performance determined by Paw Print Genetics®. This laboratory has established and verified the tests' accuracy and precision. 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.

CT - Copper Toxicosis (Labrador Type)

Copper Toxicosis in the Labrador Retriever is similar to the disease found in other breeds in that it manifests itself as a build up of copper in the liver of affected animals. Unlike the disease seen in Bedlington Terriers, the Labrador form is not inherited as a strictly recessive trait. The mutant genes have an additive affect, so one copy of the mutation increases copper levels, and a second copy when present increases levels even further. This affect is somewhat more extreme in females than in males. We know very little of the frequency of the disease itself. It is an uncommon diagnosis, but that may be due to the fact that it is a relatively late onset disease (middle aged or older dogs) and may have variable, difficult to diagnose, symptoms. The mutation responsible for copper toxicosis in Labradors has been identified by researchers at the University of Utrecht. Our test is based on their findings.

The primary cause of copper toxicosis in Labrador Retrievers is a mutant form of ATP7B. Dogs that inherit two normal versions of the gene (one from each parent) will have normal levels of copper in their liver. Dogs that inherit one normal copy and one mutant copy will have somewhat elevated levels of copper in their liver, while those that inherit two mutant copies will have the highest levels. Generally speaking, it is those dogs with two mutant copies that are at the highest risk for the disease, although there have been some dogs reported that only had one copy and still had dangerously high copper levels.

The second gene involved in the Labrador disease is a mutated form of ATP7A. This is a "good" mutation which helps minimize the accumulation of copper in the liver. Since this gene is located on the X chromosome, the mutation is inherited as a sex-linked recessive. Males inherit only a single copy of the gene either normal or mutant from their mother, while females inherit two copies, one on the x chromosome of each parent. Therefore, males only need to inherit one copy of the mutant gene to help with their copper levels, while females need to inherit two. This is why females are more commonly diagnosed with the disease than males.

Since the frequency of the ATP7B CT mutation is relatively high, we do not recommend breeding completely away from it, but rather avoiding pairings that might produce two-copy offspring.

Result Types for the ATP7B CT mutation (copper storage disease)

0 copies of the CT mutation:
Negative - Zero copies of the CT ATP7B mutation

1 copy of the CT mutation:
Positive (heterozygous) 1 copy of the CT ATP7B mutation

2 copies of the CT mutation:
Positive (homozygous) 2 copies of the CT ATP7B mutation

Result Types for the ATP7A (dampening mutation)

Males -

O copies:
Negative - Zero copies of the CT ATP7A Dampener Mutation

1 copy:
Positive (hemizygous) One copy of the CT ATP7A Dampener Mutation

Females -

0 copies:
Negative - Zero copies of the CT ATP7A Dampener Mutation

1 copy:
Positive (heterozygous) One copy of the CT ATP7A Dampener Mutation

2 copies:
Positive (homozygous) Two copies of the CT ATP7A Dampener Mutation

AMERICAN KENNEL CLUB · FOUNDED 1884

Certified Pedigree

BARTON CREEK BAILEYS ON THE ROCKS
SR93468803
LABRADOR RETRIEVER FEMALE BLK
Date Whelped: 04/30/2016
Breeder: KARL HANCOCK/DANNA HANCOCK/ERIN L MCCLURG-WEBSTER/DIANE L MCCLURG

Sire **GCHB CH SADDLEHILL LATE KNIGHT SCRAMBLE**
SR55452701 (09-11) OFA24G OFEL24 EYE72 BLK AKC DNA #V639079

- **CH SHALANE FLY BY KNIGHT**
  SR27438110 (11-07) OFA24G BLK AKC DNA #V537381
  - **CH TABATHA'S KNIGHT CD JH**
    SN65156306 (04-01) OFA24G OFEL24 BLK AKC DNA #V112256
  - **CH SHALANE COME FLY WITH ME**
    SN68115501 (06-02) OFA29F OFEL29 BLK
- **CH SADDLEHILL DON'T BE LATE**
  SR13891803 (08-07) OFA29G OFEL29 BLK
  - **CH DELBY'S ANCHOR STEAM JH**
    SN01699201 (05-94) OFA24G OFEL24 BLK AKC DNA #V66257
  - **SADDLEHILL BAILEY II**
    SN77712903 (04-04) OFA24G OFEL24 YLW

Dam **GCH CH EDLYN MAIDSTONE VISIONS OF SUGARPLUMS@BARTONCREEK JH**
SR64339603 (04-14) OFA29E OFEL29 YLW

- **CH TULLAMORES TOBLERONE**
  SR20776907 (10-06) OFA26F OFEL26 YLW AKC DNA #V460357
  - **GCH CH SURE SHOT HYSPIRE IMPRESSIVE**
    SN92836302 (08-04) OFA24G OFEL24 BLK AKC DNA #V298014
  - **CH TULLAMORES MIKIMOTO**
    SN88206401 (01-05) OFA24F OFEL24 YLW
- **CH EDLYN MAIDSTONE LOWOOD MISFIT CD**
  SR29774603 (01-11) YLW
  - **CH DICKENDALL DAVARON GABLE**
    SN73023501 (06-01) OFA25G OFEL25 BLK AKC DNA #V191430
  - **GCH CH BROOKSFLYWAY EM SPIRITOTEXAS RN**
    SR11780703 (02-06) OFA24G OFEL24 YLW

AMERICAN KENNEL CLUB

James L Crowley
Executive Secretary

The Seal of The American Kennel Club affixed hereto certifies that this pedigree was compiled from official Stud Book records on July 14, 2016.

THE AMERICAN KENNEL CLUB

CHAMPIONSHIP CERTIFICATE

This certifies that

RETRIEVER (LABRADOR)

BARTON CREEK BAILEYS ON THE ROCKS ~ SR93468803

bred by

KARL HANCOCK & MRS. DANNA E HANCOCK & ERIN L MCCLURG-WEBSTER & MRS. DIANE L MCCLURG

owned by

MS. LONNIE J MORAN & DANNA HANCOCK

having completed the requirements on

JANUARY 26, 2019

has been officially recorded a

CHAMPION

by The American Kennel Club

AMERICAN KENNEL CLUB®

Executive Secretary