

# Canine Genetic Health Certificate™

**Call Name:** Blackberry

Registered Name: KELLNER'S WILD BLACKBERRY

**Breed:** Labrador Retriever

**Sex:** Female **DOB:** June 2019

**Laboratory #:** 214751

**Registration #:** SS13021213

**Microchip #:** 985112010099601

Certificate Date: Feb. 9, 2021

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

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	PTPLA	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)
Macular Corneal Dystrophy (Labrador Retriever Type)	CHST6	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)

Blake C Ballif, PhD

Laboratory & Scientific Director

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Christina J Ramirez, PhD, DVM, DACVP

Medical Director

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Paw Print Genetics<sup>®</sup> 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.



# **Coat Color and Trait Certificate**

Call Name: Blackberry

Registered Name: KELLNER'S WILD BLACKBERRY

**Breed:** Labrador Retriever

**Sex:** Female **DOB:** June 2019

**Laboratory #:** 214751

**Registration #:** SS13021213 **Microchip #:** 985112010099601

**Certificate Date:** Feb. 9, 2021

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
B Locus (Brown)	TYRP1	В/В	Black coat, nose and foot pads (does not carry brown)
D Locus (Dilute)	MLPH	D/D	Non-dilute (does not carry dilute)
E Locus (Yellow/Red)	MC1R	E/E	Black

## 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  $d^1$  or  $d^2$  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 two copies 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 on **E** to 100% of its offspring.

Paw Print Genetics<sup>®</sup> 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

In Sally

Christina J Ramirez, PhD, DVM, DACVP

**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.

\*For best printing results please use Chrome or IE.

Owner's Copy

#### PennHIP Report

Referring Veterinarian: Dr Paul Nelson Clinic Name: Country Hills Animal Hospital of

MO

Email: countryhills@cebridge.net Clinic Address: 745 North 20th Street

Ozark, MO 65721

Phone: (417) 581-3000 Fax:(417) 581-7817

#### **Patient Information**

Client: Kellner, Ben Tattoo Num:

Patient Name: Blackberry Patient ID: 985112010099601

Reg. Name: Registration Num:

PennHIP Num: 158501 Microchip Num: 985112010099601
Species: Canine Breed: LABRADOR RETRIEVER

Date of Birth: 02 Jun 2019 Age: 24 months

Sex: Female Weight: 58 lbs/26.3 kgs

Date of Study: 11 Jun 2021 Date Submitted: 11 Jun 2021

Date of Report: 17 Jun 2021

#### **Findings**

Distraction Index (DI): Right DI = 0.29, Left DI = 0.28.

Osteoarthritis (OA): No radiographic evidence of OA for either hip.

Cavitation/Other Findings: No cavitation present.

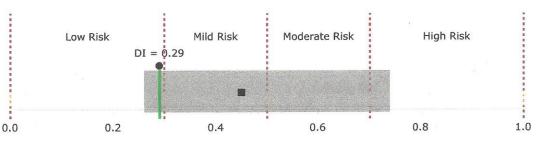
#### Interpretation

Distraction Index (DI): The laxity ranking is based on the hip with the greater laxity (larger DI). In this case the DI used is 0.29.

OA Risk Category: The DI is less than or equal to 0.30. This patient is at minimal risk for hip OA.

Distraction Index Chart:

### LABRADOR RETRIEVER



**Distraction Index** 

**BREED STATISTICS:** This interpretation is based on a cross-section of 37214 canine patients of the LABRADOR RETRIEVER breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.26 - 0.74) for the breed. The breed average DI is 0.45 (solid square). The patient DI is the solid circle (0.29).

#### OFA CANINE HEALTH INFORMATION CENTER

KELLNER'S WILD BLACKBERRY, CGC, TKN registered name

LABRADOR RETRIEVER

breed

985112010099601 tattoo/microchip/DNA profile

CHIC#: 168494

D LOCUS

EXERCISE INDUCED COLLAPSE

EYES HIPS ELBOW

CENTRONUCLEAR MYOPATHY PROGRESSIVE RETINAL ATROPHY SHOULDER

BEN KELLNER 841 E NORTHFIELD RD SPRINGFIELD MO 65803 SS13021213

registration no.

sex

date of birth

06/02/2019

04/05/2022 date of report

REQUIRED TESTS

 OFA
 LR-DL2837/20F-PI
 02/09/2021

 OFA
 LR-EIC6893/20F-PI
 02/09/2021

 OFA
 LR-EYE21788/21F-VPI
 03/04/2021

 OFA
 LR-255821G24F-VPI
 06/11/2021

 OFA
 LR-EL104102F24-VPI
 06/11/2021

OTHER TESTS

 OFA
 LR-CNM4077/20F-PI
 02/09/2021

 OFA
 LR-PRA3855/20F-PI
 02/09/2021

 OFA
 LR-SH524F24-VPI
 06/11/2021

OFA eCert



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

www.ofa.org

This electronic OFA certificate was generated on: 04/05/2022

This certification can be verified on the OFA website by entering the dog's registration number into the orange search box located at the top of the page or by scanning the QR code above.

If there are any errors on this certificate, please email CORRECTIONS@OFFA.ORG to request a correction.

Orthopedic Foundation for Animals, Inc. 2300 E. Nifong Blvd. Columbia, MO 65201-3806

# OFA

# 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:	BLACKBERRY
Registered Name:	KELLNER'S WILD BLACKBERRY
Sex/Breed: F	LABRADOR RETRIEVER
Microchip/Tattoo:	985112010099601
Registration No:	SS13021213
Date of Birth:	06/02/2019
Owner Name:	CASEY KELLNER
Co-owner Name:	BEN KELLNER
Owner Address	841 E NORTHFIELD RD
City/State/Postal:	SPRINGFIELD MO 65803
Email:	kellner.labs@gmail.com
Telephone:	417-766-6953

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. I further understand that ALL results, both passing and non-passing, will be made available to ophthalmologists who may examine this dog at a future date.

Signature of owner or authorized agent/representative

03/04/2021

I DID verify the microchip/tattoo on this dog.

I DID NOT verify the microchip/tattoo on this dog.

NO MICROCHIP/TATTOO PRESENT

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

STEVEN SISLER 273 03/04/2021

Signature/ACVO#/Date

Date of Exam (mm/dd/yyyy)

Exam registration number: 21B54K

## **Companion Animal Eye Registry (CAER)**

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Ophthalmologist:	STEVEN SISLER
Clinic Name:	EYE CARE FOR ANIMALS
ACVO #:	273
Phone:	816-253-4340

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## ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

KELLNER'S WILD BLACKBERRY registered name

LABRADOR RETRIEVER breed

film/test/lab #

985112010099601 tattoo/microchip/DNA profile

2224165 application number

06/25/2021 date of report

RESULTS:

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

CASEY KELLNER; BEN KELLNER 841 E NORTHFIELD RD

SPRINGFIELD MO 65803



OFA eCert

Verify certificate with QR scan www.ofa.org SS13021213 registration no.

F sex

06/02/2019 date of birth

age at evaluation in months



A Not-For-Profit Organization

LR-EL104102F24-VPI

O.F.A. NUMBER

**NORMAL** 

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

VellerDIM

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

This electronic OFA certificate was generated on: 06/25/2021

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Orthopedic Foundation for Animals, Inc. 2300 E. Nifong Blvd. Columbia, MO 65201-3806

### ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

KELLNER'S WILD BLACKBERRY registered name

LABRADOR RETRIEVER

film/test/lab #

985112010099601 tattoo/microchip/DNA profile

2224165 application number

06/25/2021 date of report

RESULTS:

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

© CASEY KELLNER; BEN KELLNER 841 E NORTHFIELD RD SPRINGFIELD MO 65803

SS13021213 registration no.

F

06/02/2019

24

age at evaluation in months



A Not-For-Profit Organization

LR-255821G24F-VPI

O.F.A. NUMBER

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

ot no evidence of his dvaplacia was

**GOOD** 

OFA eCert

Verify certificate with QR scan

www.ofa.org

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Orthopedic Foundation for Animals, Inc. 2300 E. Nifong Blvd. Columbia, MO 65201-3806

#### ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

KELLNER'S WILD BLACKBERRY registered name

LABRADOR RETRIEVER

breed

film/test/lab #

985112010099601 tattoo/microchip/DNA profile

2224165 application number

06/25/2021 date of report

RESULTS:

Based upon the radiograph submitted, there was no evidence of Osteochondrosis or Degenerative Joint Disease (DJD) in either Shoulder

CASEY KELLNER; BEN KELLNER 841 E NORTHFIELD RD

SPRINGFIELD MO 65803

OFA eCert

Verify certificate with QR scan

www.ofa.org

SS13021213 registration no.

F sex

> 06/02/2019 date of birth

age at evaluation in months



A Not-For-Profit Organization

LR-SH524F24-VPI

O.F.A. NUMBER

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**NORMAL** 

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

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