

Canine Genetic Health Certificate™

Call Name:	Lilly	Laboratory #:	130965
Registered Name:	Discovery Tails Lilly	Registration #:	-
Breed:	Australian Labradoodle	Certificate Date:	Aug. 19, 2019
Sex:	Female		
DOB:	March 2019		

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

Disease	Gene	Genotype	Interpretation
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Exercise-Induced Collapse	<i>DNM1</i>	WT/WT	Normal (clear)
Hereditary Nasal Parakeratosis	<i>SUV39H2</i>	WT/WT	Normal (clear)
Neonatal Encephalopathy with Seizures	<i>ATF2</i>	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 4	<i>RPGRIP1</i>	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</i>	WT/WT	Normal (clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	<i>COL9A3</i>	WT/WT	Normal (clear)
Von Willebrand Disease I	<i>VWF</i>	WT/WT	Normal (clear)

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



Helen F Smith, PhD
 Assistant Laboratory 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.

Orthopedic Foundation for Animals Preliminary (Consultation) Report



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Organization

DISCOVERY TAILS LILLY
registered name
AUSTRALIAN LABRADOODLE
breed

ALAA082156
registration number

F
sex

3/14/2019
date of birth

8
age at evaluation in months

12/31/2019
date of report

933000320013985
tattoo/microchip/DNA profile

2114327
application number

film/case no(s)

Owner
DISCOVERY TAILS LABRADOODLES LLC
PO BOX 2375
SEQUIM, WA 98382

Veterinarian
HURRICANE RIDGE VETERINARY HOSPITAL
660 N 7TH AVE
SEQUIM, WA 98382

RADIOGRAPHIC EVALUATION OF PELVIC PHENOTYPE WITH RESPECT TO HIP DYSPLASIA

* The study must be repeated when the animal is 24 months of age or older to qualify for an OFA number

EXCELLENT HIP JOINT CONFORMATION*

superior hip joint conformation as compared with other individuals of the same breed and age

GOOD HIP JOINT CONFORMATION*

well formed hip joint conformation as compared with other individuals of the same breed and age

FAIR HIP JOINT CONFORMATION*

minor irregularities of the hip joint conformation as compared with other individuals of the same breed and age

BORDERLINE HIP JOINT CONFORMATION

marginal hip joint conformation of indeterminate status with respect to hip dysplasia at this time - Repeat study in six months

MILD HIP DYSPLASIA

radiographic evidence of minor dysplastic changes of the hip joints

MODERATE HIP DYSPLASIA

well defined radiographic evidence of dysplastic changes of the hip joints

SEVERE HIP DYSPLASIA

radiographic evidence of marked dysplastic changes of the hip joints

HIP JOINTS - STANDARD VD VIEW

RADIOGRAPHIC FINDINGS

- subluxation
- remodeling of femoral head/neck
- osteoarthritis/degenerative joint disease
- shallow acetabula
- acetabular rim/edge change
- unilateral pathology left right
- transitional vertebra
- spondylosis
- panosteitis
- other

ELBOW JOINTS - FLEXED LATERAL VIEW

negative for elbow dysplasia L R

ELBOW DYSPLASIA

Grade I L R
Grade II L R
Grade III L R

RADIOGRAPHIC FINDINGS

degenerative joint disease (DJD) L R
united anconeal process (UAP) L R
fragmented coronoid process (FCP) L R
osteochondrosis L R

Consultation by: *Greg Keller DVM*

G.G. KELLER/DVM; MS, DACVR
CHIEF OF VETERINARY SERVICES

2300 E Nifong Blvd
Columbia, MO 65201

Tele: (573) 442-0418
Fax: (573) 875-5073

Email: ofa@ofa.org
Website: https://www.ofa.org

Office Use Only
 APPL _____
 RAD _____
 CK _____



Orthopedic Foundation for Animals

2300 E Nifong Blvd, Columbia, MO 65201-3806

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

www.ofa.org

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Application for Patellar Luxation Database

Registered name: DISCOVERY TAILS LILLY		Registration number: <input type="checkbox"/> AKC <input type="checkbox"/> CKC		Other registry name: ALAA	
Breed: AUSTRALIAN LABRADOODLE		Sex: F	Date of Birth (month-day-year): 03/14/2019		
ID Number (if any): <input type="checkbox"/> Tattoo <input checked="" type="checkbox"/> Microchip 933000320013985	Registration number of sire: ALAA-058758		Registration number of dam: ALAA-055771		
Owner name: DISCOVERY TAILS LABRADOODLES LLC		Date of evaluation (month-day-year): 12/05/2019			
Co-Owner name:		Examining veterinarian's name or veterinary hospital: HURRICANE RIDGE VETERINARY HOSPITAL			
Mailing address: PO BOX 2375		Mailing Address: 660 N 7TH AVE			
City: SEQUIM	State: WA	Zip/postal code: 98382	City: SEQUIM	State: WA	Zip/postal code: 98382
Phone: (360) 808-9800	E-mail: DISCOVERYTAILS@GMAIL.COM		Phone:	E-mail: TECHNICIAN@HURRICANERIDGEVET.COM	

I hereby certify that the information submitted is of the animal described on this application. I understand that only normal results will be released to the public unless the initials of a registered owner appear in the authorization box below which permits the OFA to release abnormal results to the public.

Signature of owner or authorized representative

Vicki L. McLean

Authorization to Release Abnormal Results

I hereby authorize the OFA to release the results of its evaluation of the animal described on this application to the public if the results are abnormal
 _____ (Initials of registered owner).

Patellar Examination Results

1. Normal

right left

2. Patellar Luxation

bilateral
 unilateral: right left
 luxated: medial lateral
 luxation is: intermittent permanent
 age of onset: < 2 months 2-6 months
 6-12 months > 12 months

3. Classification of luxation

Grade 1—The patella easily luxates manually at full extension of the stifle joint, but returns to the trochlea when released.
 Grade 2—There is frequent patellar luxation which, in some cases becomes more or less permanent.
 Grade 3—The patella is permanently luxated with torsion of the tibia and deviation of the tibial crest of between 30 degrees and 50 degrees from the cranial/caudal plane.
 Grade 4—The tibia is medially twisted and the tibial crest may show further deviation medially with the result that it lies 50 degrees to 90 degrees from the cranial/caudal plane.

I certify that the examination was performed according to the OFA procedure.
 I DID verify tattoo/microchip on this dog I DID NOT verify tattoo/microchip on this dog

Veterinarian Signature _____ Specialty: Practitioner, Specialist

Date **12/05/2019**

Fees Animals over 12 months.....\$15.00 each
 A litter of 3 or more submitted together.....\$30.00 total

Kennel rate: Individuals submitted as a group, owned/co-owned by the same person
 Minimum of 5 individuals\$7.50 each

Exams on animals under 12 months of age are considered preliminary evaluations and are not eligible for OFA numbers

Payments can be made by check, money order (U.S. funds drawn on a U.S. bank), cash, Visa, or Mastercard, payable to the Orthopedic Foundation for Animals.

Visa/Master Card Number

Name on Card

Exp Date

CVV (security code)



Affected dogs and resubmits are no charge
CASE: 19YYEK

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

DISCOVERY TAILS LILLY

registered name

AUSTRALIAN LABRADOODLE

breed

682141

film/test/lab #

933000320013985

tattoo/microchip/DNA profile

2114327

application number

06/15/2020

date of report

RESULTS:

Based upon the exam dated 06/07/2020, this dog has been found to be free of observable inherited eye disease and has been issued an Eye Certification Registry Number which is valid for one year from the time of the exam.

WALA000013366

registration no.

F

sex

03/14/2019

date of birth

14

age at evaluation in months



A Not-For-Profit Organization

LD-EYE2636/14F-VPI

O.F.A. NUMBER

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



owner

VICKI MCCORMACK
81 EASTGATE PL
SEQUIM WA 98382

OFA eCert



Verify certificate
with QR scan

G.G. KELLER, D.V.M., M.S., DACVR

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

www.ofa.org

This electronic OFA certificate was generated on: 06/15/2020

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. Please allow 2 days from the report date for the results to update the dog's web page.

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 website: www.ofa.org
E-mail address: ofa@offa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

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Application for Congenital Cardiac Database

Registered name: DISCOVERY TAILS LILLY		Registration number: <input type="checkbox"/> AKC <input type="checkbox"/> CKC	Other registry name: ALAA	
Breed: AUSTRALIAN LABRADOODLE		Sex: F	Date of Birth (month-day-year): 03/14/2019	
ID Number (if any): <input type="checkbox"/> Tattoo <input checked="" type="checkbox"/> Microchip	Registration number of sire: ALAA-058758		Registration number of dam: ALAA-055771	
933000320013985	Owner name: DISCOVERY TAILS LABRADOODLES LLC	Co-Owner name:	Examining veterinarian's name or veterinary hospital: HURRICANE RIDGE VETERINARY HOSPITAL	Date of Evaluation (mm/dd/yy): 12/05/2019
Mailing address: PO BOX 2375		Mailing Address: 660 N 7TH AVE		
City: SEQUIM	State: WA	Zip/postal code: 98382	City: SEQUIM	State: WA
Phone: (360) 808-9800	E-mail: DISCOVERYTAILS@GMAIL.COM	City: SEQUIM	State: WA	Zip/postal code: 98382
Phone: (360) 808-9800		E-mail: DISCOVERYTAILS@GMAIL.COM	Phone: 360-681-0117	E-mail: TECHNICIAN@HURRICANERIDGEVET.COM

I hereby certify that the animal examined is the animal described on this application. I understand that all normal results will be released to the public.

Signature of owner or authorized representative *Wicki McCon*

Authorization to Release Abnormal Results	Authorization to Collect Statistical Data
<input type="checkbox"/> I hereby authorize the OFA to release the abnormal results of the animal described on this application to the public . INITIAL <i>vr</i>	<input type="checkbox"/> I hereby authorize the examining veterinarian to submit the results of the animal described on this application for statistical purposes . The results may be shared with the ACVIM or canine health researchers, but will not be disclosed to the general public. INITIAL <i>vr</i>

Veterinary Instructions

Clinical findings based on cardiac auscultation is required. (see page 2)
 Auscultation is within normal limits. Additional diagnostic studies not indicated.
 Auscultation reveals a soft (grade 1 or grade 2) murmur at rest.
 Auscultation reveals a moderate to loud heart murmur.
 Auscultation was performed after exercise and revealed:
 Normal heart sounds without a cardiac murmur.
 A soft (grade 1 or grade 2) murmur.

Describe any cardiac murmurs:
 Timings: systolic diastolic continuous
 Point of maximal intensity:
 Mitral valve area Aortic or subaortic area
 Pulmonary valve area Tricuspid valve area
 Other location:
 Radiation or other characteristics: _____

Echocardiography if indicated (see page 2):
 Echocardiography with Doppler was performed and the results were within limits of normal.
 Echocardiography with Doppler was performed and the results were equivocal: mild congenital heart disease cannot be conclusively diagnosed nor excluded based on this study.
 Echocardiography with Doppler was performed and the results were indicative of congenital heart disease.
Describe any abnormal echocardiographic or Doppler findings, including transvalvular or other pertinent velocities in m/sec.
 pulse/continuous wave left apical/subcostal
Summary evaluation and opinion of the examiner:
 Normal cardiovascular examination—congenital heart disease is not evident
 Equivocal cardiovascular examination—congenital heart disease cannot be diagnosed nor excluded; status uncertain for breeding.
 Abnormal cardiovascular examination indicative of congenital heart disease; indicate diagnosis below:

I certify that the standards for cardiac examination as set forth by the OFA were carefully followed in performing this examination.
 I DID verify tattoo/microchip on this dog I DID NOT verify tattoo/microchip on this dog

Veterinarian Signature _____ Specialty: Practitioner, Specialist, Cardiologist Date **12/05/2019**

Fees Animals Over 12 Months \$15.00 **Kennel Rate**—Individuals submitted as a group, owned/co-owned by same person.
 Litter of 3 or more submitted together \$30.00 Minimum of 5 individuals \$7.50 per study

Exams on animals under 12 months of age are considered preliminary evaluations and are not eligible for OFA numbers
 Payments can be made by check, money order, (U.S. funds drawn on a U.S. bank) cash, Visa, or Mastercard, payable to the Orthopedic Foundation for Animals.

Visa/Master Card Number _____ Name on Card _____ Exp Date _____ CVV (security code) _____



Affected Animals, Statistical Data Submission and Resubmissions at No Charge

Coat Color and Trait Certificate

Call Name:	Lilly	Laboratory #:	130965
Registered Name:	Discovery Tails Lilly	Registration #:	-
Breed:	Australian Labradoodle	Certificate Date:	June 2, 2020
Sex:	Female		
DOB:	March 2019		

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
B Locus (Brown)	<i>TYRP1</i>	B/b or b/b	Carries brown and may have brown or black coat, nose and foot pads
Cu Locus (Curly Hair)	<i>KRT71</i>	Cu/Cu	Straight coat
E Locus (Yellow/Red)	<i>MC1R</i>	e/e	Yellow/red
IC Locus (Improper Coat/Furnishings)	<i>RSPO2</i>	F/F	Furnishings
S Locus (White Spotting, Parti, or Piebald)	<i>MITF</i>	S/s ^P	Limited white spotting, flash, parti, or piebald (carrier)

Interpretation:

The overall B locus genotype for a dog is determined by the combination of genotypes present at the b^c, b^d, and b^s loci. The b^c, b^d, and b^s variants confer brown when at least one of these DNA changes is present on both genes of the dog at the B locus. This dog carries two copies of **B** at the b^s locus. In addition, this dog carries one copy of **B** and one copy of **b** at both the b^c and b^d loci. The presence of both these variants on a single copy of the gene cannot be excluded. Thus, due to the particular combination of variants detected, the overall B locus genotype of this dog is **B/b** or **b/b** and cannot be determined without additional testing of parental samples. Therefore, this dog carries brown and may have brown or black coat, nose and foot pads.

If the b^c and b^d variants each occur on separate copies of the B locus, the dog will be brown (**b/b**). However, if these variants occur on the same copy of the gene, the dog will be black (**B/b**). Therefore, the final B locus genotype for this dog can be inferred by evaluating the color of this dog's nose. If this dog's nose is brown, the final B locus genotype of this dog is **b/b** and this dog will pass on **b** to 100% of its offspring. If this dog's nose is black, the final B locus genotype of this dog is **B/b** and this dog will pass on **b** to 50% of its offspring. If this dog is B/b it can produce offspring with a black or brown coat, nose and foot pads. However, this dog's coat color is also dependent on the E, K, and A genes.

This dog carries two copies of **Cu** which results in a straight coat. 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 **Cu** on to 100% of its offspring.


This dog carries two copies of **e** which inhibits production of black pigment. The coat color of this dog will be yellow/red (including shades of white, cream, yellow, apricot or red). This dog will pass **e** on to 100% of its offspring.

This dog does not carry the mutation for improper coat and will therefore have furnishings (proper coat). However, the overall coat type of this dog is dependent on the combination of this dog's genotypes at the L, Cu,

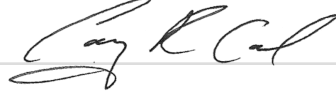
and IC loci. This dog will pass **F** (furnishings, proper coat) on to 100% of its offspring.

This dog carries one copy of **S** and one copy of **s^P** which results in limited white spotting, flash, parti, or piebald coat color due to the co-dominance of **S** and **s^P**. This dog will pass on one copy of **S** to 50% of its offspring and one copy of **s^P** to 50% 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.



Helen F Smith, PhD
Assistant Laboratory 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.