ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

ARMADA'S LET IT RAIN, CAN CH
registered name

PORTUGUESE WATER DOG
breed

LUJ 1Z RF
tattoo/microchip/DNA profile

1684689
application number

11/11/2014
date of report

ZN500395
registration no.

M
sex

7/27/2012
date of birth

27
age at evaluation in months

PW-EL2969M27-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

owner

MICHELLE HARDMAN
1107 8TH STREET SE
CALGARY, AB T2G2Z6
CANADA

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

www.offa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

ARMADA'S LET IT RAIN, CAN CH
registered name

PORTUGUESE WATER DOG
breed

LUJ 1Z RF
tattoo/microchip/DNA profile

1684689
application number

11/11/2014
date of report

ZN500395
registration no.

M
sex

7/27/2012
date of birth

27
age at evaluation in months

PW-7233G27M-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:

GOOD

owner

MICHELLE HARDMAN
1107 8TH STREET SE
CALGARY, AB T2G2Z6
CANADA

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

www.offa.org

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.offa.org, A not-for-profit organization

Registered name: Ch. Armada's Let it Rain
Breed: Portuguese Water Dog Sex: M
ID Number (if any): ☒ Tattoo LUJ 1Z RF ☐ Microchip
Registration Number: ☐ AKC ZN500395 ☐ Other
Date of Birth: July 27, 2012 Date of Exam Nov 1, 2014
Owner/Co-owner Name: Michelle Hardman
Co-Owner Name: Phone:
Owner Address: 1107 8th St. SE
City: Calgary State: AB Zip/postal code:
E-Mail (use both lines if needed): mhardman2003@gmail.com

I hereby certify that the animal examined is 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 non-passing results to the public.

M. Hardman
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) _____

OFA Eye Clearance Database

- Initial submission $12.00
- Resubmits: $8.00
- Litter of 3 or more submitted together $30.00
- Kennel Rate—Minimum of 5 individuals submitted as a group, owned/co-owned by same person. ..... $7.50 ea.
- Submission of non-passing results in the open database: NO CHARGE

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.

To pay by Credit Card, see the back of the WHITE sheet.

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	☐
☐	exposure/pigmentary keratitis	☐
	UVEA	
☐	uveal cyst	☐
☐	iris coloboma	☐
☐	iris hypoplasia	☐
☐	iris sphincter dysplasia	☐
☐	pigmentary uveitis	☐
☐	uveal melanoma	☐
☐	persistent pupillary membranes	☐
	LENS	
☐ ☐ ☐	anterior cortex	☐ ☐ ☐
☐ ☐ ☐	posterior cortex	☐ ☐ ☐
☐ ☐ ☐	equatorial cortex	☐ ☐ ☐
☐ ☐ ☐	anterior sutures	☐ ☐ ☐
☐ ☐ ☐	posterior sutures	☐ ☐ ☐
☐ ☐ ☐	nucleus	☐ ☐ ☐
☐ ☐ ☐	capsular	☐ ☐ ☐
☐	generalized/complete	☐
☐	resorbing/hypermature	☐
☐	***significance of cataract unknown***	☐
☐	subluxation/luxation	☐
	VITREOUS	
☐	PHPV/PTVL	☐
☐	persistent hyaloid artery	☐
☐	degeneration	☐

CORNEA (T N A P) — CATARACT (Incomp. Incip. Func.)

B.H. Grahn, DVM, (Diplomate ABVP–ACVO), 170
Lynne Sandmeyer, DVM, (Diplomate ACVO), 258
Bianca Bauer, DVM, (Diplomate ACVO), 379
Professor, Small Animal Clinical Sciences
University of Saskatchewan
Saskatoon, Saskatchewan S7N 5B4
(306) 966–7126

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

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

☐ **NORMAL** ☐

☐ I DID verify microchip/tattoo on this dog
☒ I DID NOT verify microchip/tattoo on this dog

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

Signature: _____ ACVO #: 170 Date: 11/20

Diplomate, American College of Veterinary Ophthalmologists

Comments

6/26/13

150573

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

© American College of Veterinary Ophthalmologists

PennGen

Section of Medical Genetics
School of Veterinary Medicine
University of Pennsylvania
jdcmtest@vet.upenn.edu

Penn Veterinary Medicine

Michelle Hardman
184 Hidden Spring Cl. NW
Calgary AB T3A 5J4
Canada

November 14, 2014

Owner Information

Owner: Michelle Hardman
Co-Owners:

Dog Information

Registered Name: Armada's Let It Rain
Call Name: Splash **CKC #:** ZN 500395
Date of Birth: 7/27/2012 **Sex:** male

JDCM Linked Marker DNA Test Information

Test Pattern/Genotype: 1-1

Test Result: probable normal **Test ID Number:** 7229
Type of Sample: Cheek Swabs

Result Interpretation: 1-1 (probable normal) dogs are not expected to develop JDCM, nor are they expected to pass a JDCM-causing gene to their offspring. Due to the inherent nature of linked marker tests, there is a slight chance that a pattern 1-1 dog is a carrier of JDCM and an even smaller chance that a pattern 1-1 dog is affected (see JDCM linked marker DNA test FAQ sheet at www.pwdca.org or www.pwdfoundation.org).

Sincerely,

Paula S. Henthorn, PhD
Section of Medical Genetics
School of Veterinary Medicine
University of Pennsylvania

3900 Delancey St., Philadelphia, PA 19104-6010
jdcmtest@vet.upenn.edu
tel: 215-898-8894
fax: 215-573-2162

OPTIGEN® LLC for the genetic advantage

Test Report

Michelle Hardman
184 Hidden Spring Close NW
Calgary, Alberta T3A 5J4
Canada

Optigen Accession #: **14-9359**
Report issued for: **Splash**

OptiGen Test Certificate

Optigen Accession #: 14-9359

Test Completed: 10/17/2014
Report Issued: 10/17/2014

Test Performed: **GM1**

Result: **Normal**
Sample Type: **Swab**

Registered Name: **Ch. Armada's Let It Rain**

Reg#: **ZN500395**

Breed: **Portuguese Water Dog**
Sex: **Male**
Date of Birth: **July 27, 2012**

ID#: **LUJ 1Z**

Owner(s):
Michelle Hardman

OptiGen Authorized Signature

www.optigen.com

Test Results: Genotype of your dog is: NORMAL/CLEAR

Risk for developing GM1: This dog will not develop the form of storage disorder caused by the GM1 mutation.

Significance for breeding: Genetically Normal/Clear dogs can be bred to any dog and will produce no pups affected with disease due to the GM1 mutation.

Other forms of storage disease(s): Please note that the GM1 DNA test is only able to identify the single mutation currently known as GM1 in the PWD. DNA tests do not replace the importance of regular veterinary clinical assessments of breeding stock.

For further information, please consult the OptiGen website at www.optigen.com

International DNA Based Genetic Database: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 65201-3856 or FAX to 573-875-5073. www.offa.org
I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information

Signature of owner or authorized representative: _____

OPTIGEN® LLC

for the genetic advantage

Test Report

Michelle Hardman
184 Hidden Spring Close NW
Calgary, Alberta T3A 5J4
Canada

Optigen Accession #: **14-9359**
Report issued for: **Splash**

OptiGen Test Certificate

Optigen Accession #: 14-9359

Test Completed: 10/17/2014
Report Issued: 10/17/2014

Test Performed: **prcd Mutation Test for PRA**

Result: **Carrier**
Sample Type: **Swab**

Registered Name: **Ch. Armada's Let It Rain**

Reg#: **ZN500395**

Breed: **Portuguese Water Dog**
Sex: **Male**
Date of Birth: **July 27, 2012**

ID#: **LUJ 1Z**

Owner(s):
Michelle Hardman

THE GENETIC ADVANTAGE
OPTIGEN

OptiGen Authorized Signature

www.optigen.com

Test Results: Genotype of your dog is **CARRIER**.
Risk for developing PRA: This dog will never develop the prcd form of PRA (progressive rod-cone degeneration form of Progressive Retinal Atrophy). So far, the only inherited PRA disease known in dogs of your breed is the prcd form of PRA.
Significance for breeding: Carrier dogs should be bred only to a mate of Normal/Clear genotype to avoid producing pups affected with the prcd form of PRA.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the prcd form of PRA in Portuguese Water Dogs as of the date on this report.

For further information, please consult the OptiGen website at www.optigen.com. Note: The use of this test is patent protected and licensed to OptiGen. See http://www.optigen.com/opt9_patent.html for details.

International DNA Based Genetic Database: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 65201-3856 or FAX to 573-875-5073. www.offa.org
I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Signature of owner or authorized representative: _____

Cornell Business & Technology Park *tel: 607.257.0301* *fax: 607.257.0353*

767 Warren Road, Suite 300, Ithaca, NY 14850 *email: genetest@optigen.com* *web: www.optigen.com*

Test Report

Michelle Hardman
184 Hidden Spring Close NW
Calgary, Alberta T3A 5J4
Canada

Optigen Accession #: **14-9359**
Report issued for: **Splash**

OptiGen Test Certificate

Optigen Accession #: 14-9359

Test Completed: 10/17/2014
Report Issued: 10/17/2014

Test Performed: **Improper Coat Test**

Result: **Normal**
Sample Type: **Swab**

Registered Name: **Ch. Armada's Let It Rain**

Reg#: **ZN500395**

Breed: **Portuguese Water Dog**
Sex: **Male**
Date of Birth: **July 27, 2012**

ID#: **LUJ 1Z**

Owner(s):
Michelle Hardman

FOR THE GENETIC ADVANTAGE OPTIGEN

Susan Pearce Kelling
OptiGen Authorized Signature

www.optigen.com

Test Results: Genotype of your dog is Normal for Improper Coat (IC)

Risk for having IC. This dog will never exhibit the Improper Coat that is detected by the IC13 DNA test. So far, this test is able to detect the only identified form of IC in the breed and is responsible for at least 95% of the IC cases. It is important to remember, however, that other infrequent genes also may determine IC and that this test is only reliable as a test for the presence or absence of this particular mutation.

Significance for breeding: Genetically Normal dogs can be bred to any dog and will produce no pups affected with the IC13 form of Improper Coat.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the IC13 form of Improper Coat in Portuguese Water Dogs as of the date on this report.

For further information, please consult the OptiGen website at www.optigen.com

International DNA Based Genetic Database: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 65201-3856 or FAX to 573-875-5073. www.offa.org
I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Signature of owner or authorized representative: _____