

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.



ARMADA'S CHANGING WINDS
registered name

BG551966
registration no.

PORTUGUESE WATER DOG
breed

M
sex

4/21/2014
date of birth

24
age of evaluation in months



A Not For Profit Organization

LUJ9B (RF) DNA V765196
transmission/receipt/DNA profile

PW-EL3232M24-VPI
O.F.A. NUMBER

1754575
application number

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

5/19/2016
date of report

RESULTS:

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

NORMAL

G.G. Keller, D.V.M.

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

MICHELLE HARDMAN
TRACY CAMPBELL-BROWN
LANA STEWART
PO BOX 583
47 ELK VALLEY CT
BRAGG CREEK, AB T0L0K0
CANADA

OWNER

www.offa.org

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M
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LUJ9B (RF) DNA V765196
transmission/receipt/DNA profile

PW-7625G24M-VPI
O.F.A. NUMBER

1754575
application number

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

5/19/2016
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:

GOOD

G.G. Keller, D.V.M.

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

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



Tracy Campbell-Brown
184 Hidden Spring Ct. NW
Calgary AB T3A 5J4
Canada

August 27, 2015

Owner Information

Owner: Tracy Campbell-Brown
Co-Owners: Michelle Hardman
Lana Stewart

Dog Information

Registered Name: Armada's Changing Winds
Call Name: Tack **AKC #:** WS 49236401
Date of Birth: 4/21/2014 **Sex:** male

JDCM Linked Marker DNA Test Information

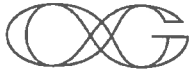
Test Pattern/Genotype: 1-1

Test Result: probable normal **Test ID Number:** 7386
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



Test Report

**Tracy E Campbell-Brown
184 Hidden Spring Close NW
Calgary, Alberta T3A 5J4
Canada**

Optigen Accession #: 15-6541
Report issued for: Tack

OptiGen Test Certificate

Optigen Accession #: 15-6541

**Test Completed: 08/25/2015
Report Issued: 08/25/2015**

Test Performed: prcd Mutation Test for PRA

**Result: Carrier
Sample Type: Swab**

Registered Name: Armada's Changing Winds

Reg#: WS49236401

Breed: Portuguese Water Dog

ID#: LUJ 9B

Sex: Male

Date of Birth: April 21, 2014

Owner(s):

**Tracy E Campbell-Brown
Lana J Stewart
Michelle Hardman**



Susan Teasdale Kelling
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.

DNA testing does not replace the value of routine eye exams.

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: _____



OPTIGEN[®] LLC

for the genetic advantage

Test Report

Tracy E Campbell-Brown
184 Hidden Spring Close NW
Calgary, Alberta T3A 5J4
Canada

Optigen Accession #: 15-6541
Report issued for: Tack

OptiGen Test Certificate

Optigen Accession #: 15-6541

Test Completed: 08/26/2015
Report Issued: 08/26/2015

Test Performed: GM1

Result: Normal
Sample Type: Swab

Registered Name: Armada's Changing Winds

Reg#: WS49236401

Breed: Portuguese Water Dog

ID#: LUJ 9B

Sex: Male

Date of Birth: April 21, 2014

Owner(s):

Tracy E Campbell-Brown
Lana J Stewart
Michelle Hardman



Susan Peaslee
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

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Signature of owner or authorized representative: _____

Cornell Business & Technology Park

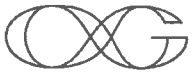
tel: 607.257.0301

fax: 607.257.0353

767 Warren Road, Suite 300, Ithaca, NY 14850

email: genetest@optigen.com

web: www.optigen.com



OPTIGEN[®] LLC

for the genetic advantage

Test Report

Tracy E Campbell-Brown
184 Hidden Spring Close NW
Calgary, Alberta T3A 5J4
Canada

Optigen Accession #: 15-6541
Report issued for: Tack

OptiGen Test Certificate

Optigen Accession #: 15-6541

Test Completed: 08/26/2015
Report Issued: 08/26/2015

Test Performed: Improper Coat Test

Result: Normal
Sample Type: Swab

Registered Name: Armada's Changing Winds

Reg#: WS49236401

Breed: Portuguese Water Dog

ID#: LUJ 9B

Sex: Male

Date of Birth: April 21, 2014

Owner(s):

Tracy E Campbell-Brown
Lana J Stewart
Michelle Hardman



Susan Peaslee
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

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