

Centronuclear Myopathy (CNM)
Hereditary Myopathy of the Labrador Retriever

PTPLA gene test result

A buccal swab from:

Call name: Garrot
Registered: Riveblanche Toby Kitt
with the number: CKC MN831116
with Identification: Tattoo 3hz 20m od
certified by a veterinarian ? Yes

has been received at the Alfort School of Veterinary Medicine on
2009-04-28

DNA was extracted, analyzed and has been shown to contain
Two PTPLA gene copies with no insertion in exon 2

>> clear of the CNM mutation and
not at risk for transmitting the deleterious gene <<

and as a consequence received the CNM database registration number :

LR-CNM09-476-M-PIV

Signature:

Dr Laurent Tiret

Date: 2009-05-06

more information on <http://www.labradorcnm.com>

Alfort School of Veterinary Medicine
7 avenue du Général de Gaulle
94704 Maisons-Alfort CEDEX
France

Veterinary Diagnostic Laboratory
College of Veterinary Medicine
 1333 Gortner Avenue
 St. Paul, MN 55108

1-800-605-8787
 612-625-8787
 Fax: 612-624-8707
 e-mail: vd@umn.edu
www.vdl.umn.edu

Accession Number: D09-035685

Owner: JETTE, ALAIN
 320 WHIMBEY
 ST LAMBERT, QC J4R 2A3

Veterinarian:
 Dr. Isabelle Berube
 Hopital Veterinaire de la Prairie
 641 Chemin De St-Jean
 La Prairie, QC J5R2L2

Site:
 Received: 07/17/2009
 Reference:
 Species: Canine
 Breed:
 Age: 7/31/02
 Sex: Intact
 Weight:

Diagnostic Report: Genetic Test for Canine Exercise Induced Collapse (EIC)

Specimen from: Riveblanche Toby Kitt MH
 With Registration Number: MN 831116

With Identification: 3 HZ 20M OD
 Id Verified by Veterinarian: Yes

Result: Clear

See following page for interpretation

Orthopedic Foundation for Animals (OFA) International DNA Based Genetic Database: To register your result with the OFA, make a copy of this result page, sign below, and mail WITH FEE to:

Orthopedic Foundation for Animals
 2300 E Nifong Blvd
 Columbia, MO 65201-3506

or FAX to: 573-875-5073

I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to verify any attached laboratory reports with the issuing lab. I further authorize the laboratory issuing the attached documentation to verify the reported test results with the OFA upon their direct request. 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: _____

Fees

- Submission fee individual\$15.00
- 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

- 5 or more individuals.....\$7.50 each

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/MasterCard Number Name on Card Exp Date CVV (security code)

Affected dogs at any age are no charge

Interpretation:

Clear: Your dog is clear of the mutation associated with EIC. This means that your dog has two copies of the normal gene and therefore is highly unlikely to be susceptible to the classic syndrome of EIC. However, this result does not rule out the possibility that your dog could have a collapse condition that is different from the condition most Labrador Retrievers have.

Carrier: Your dog is a carrier of the mutation associated with EIC. This means that your dog has one copy of the normal form of the gene and one copy of the mutated form of the gene associated with EIC susceptibility. Our research indicates that two mutated copies of the gene are almost always required for EIC susceptibility. However, a small percentage of carrier dogs, such as yours, have collapsed under instances of intense exercise and/or

JETTE, ALAIN

(450) 465-9010

ADDRESS (Street & No., City, Zip Code)

320 WHIMBEY, ST-LAMBERT, QC, CANADA J4R 2A8



Dr. Julie Laperriere, m.v., Dipl. ACVO
Clinique Animo Vision enr.
5360 avenue Papineau
Montreal (Quebec) Canada H2H 1W2
Tel: (514) 376-1686 Fax: (514) 376-1969

Animal Registration Name

RIVEBLANCHE TOBY KITT SH

Sex M F

Breed Variety

Coat color type

Permanent ID#

RETRIEVER (LABRADOR) CHOCOLAT 3HZ 20M

CANINE EYE REGISTRATION FOUNDATION

For litters, add number.

I hereby declare that the animal submitted for exam is the animal described above. Furthermore, I declare I am the owner or agent of this animal.

Signature

REGISTRATION NO.
MNE311116

Table with columns for eye status (N, A, P) and various eye conditions (microphthalmos, dry eye, etc.)

PRESS FIRMLY.
FILL COMPLETELY.

FOR CERF USE ONLY

BREED COLOR

Table for breed and color selection

SEX

Male Female

BIRTH DATE

Table for birth date selection (Jan to Dec)

EXAM DATE

Table for exam date selection (Jan to Dec)

372189

RIGHT EYE GLOBE LEFT EYE

microphthalmos
dry eye
glaucoma

upper lower EYELIDS lower upper

entropion
ectropion
distichiasis
ectopic cilia
bury/macro blepharon

THIRD EYELID

cartilage anomaly/eversion
gland prolapse

CORNEA

dystrophy -- epithelial/stromal
dystrophy -- endothelial
inherited pannus
exposure-pigmentary keratitis

UVEA

iris/ciliary body cyst
iris coloboma
iris hypoplasia/sphincter dysplasia
pigmentary uveitis
uveal melanoma
persistent pupillary membranes

CATARACT LENS

anterior cortex
posterior cortex
equatorial cortex
anterior sutures
posterior sutures
nucleus
capsular
generalized
significance of above cataract unknown (describe in comments)
subluxation/luxation

VITREOUS

PHPV/PTVL
degeneration

RIGHT EYE FUNDUS LEFT EYE

retinal atrophy -- generalized
retinal atrophy -- suspicious
retinal dysplasia/retinopathy

choroidal hypoplasia
staphyloma/coloboma
retinal detachment
optic nerve coloboma
optic nerve hypoplasia
micropapilla

OTHER UNLISTED CONDITIONS (specify or refer to description in comments)

OTHER (describe suspected or not suspected)

NORMAL

DUPLICATE FORM

I certify that I have performed this ophthalmic examination using the most current methods, techniques, and diagnostic tests.

Signature: Julie Laperriere, Date: [blank]
Diplomate, American College of Veterinary Ophthalmologists

Comments area for the examination.

ACVO 205

Research Copy

**OPTIGEN**® LLC

for the genetic advantage

Test Report

Alain Jetté
320 Whimbey
St-Lambert, J4R 2A3
Canada

Optigen Accession #: **10-3073**
Report issued for: **Garrot**

OptiGen Test Certificate**Optigen Accession #: 10-3073****Report Issued: 04/30/2010**Test Performed: **prcd Mutation Test for PRA**Result: **Normal**
Sample Type: **Swab**Registered Name: **Riveblanche Toby Kitt**Reg#: **MN 831116**Breed: **Labrador Retriever**ID#: **3HZ 20M OD**Sex: **Male**Date of Birth: **July 31, 2002**

Owner(s):

Alain Jetté
OptiGen Authorized Signaturewww.optigen.com

Test Results: Genotype of your dog is Normal/Clear.

Risk for developing prcd-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: Genetically Normal/Clear dogs can be bred to any dog and will produce no 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 Labrador Retrievers 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.ofa.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: genetes@optigen.comweb: www.optigen.com

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

RIVE BLANCHE TOBY KITT

registered name

LABRADOR RETRIEVER

breed

CHOCOLATE

color

3HZ 20M OD

tattoo/microchip/DNA profile

1143873

application number

1/27/2005

date of report

MN831116

registration no.

M

sex

7/31/2002

date of birth

29

age at evaluation in months

LR-148095G29M-PI

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

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

ALAIN JETTE

286 MURRAY

BREENFIELD, QC J4V 1N7

CANADA

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

www.offa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

RIVE BLANCHE TOBY KITT

registered name

LABRADOR RETRIEVER

breed

CHOCOLATE

color

3HZ 20M OD

tattoo/microchip/DNA profile

1143873

application number

12/22/2009

date of report

MN831116

registration no.

M

sex

7/31/2002

date of birth

87

age at evaluation in months

LR-EL45431M87-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

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

NORMAL

OWNER

ALAIR JETTE

320 WHIMBEY

ST-LAMBERT, PQ J4R2A3

CANADA

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

www.offa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

RIVEBLANCHE TOBY KITT, MH
registered name

LABRADOR RETRIEVER
breed

CHOCOLATE
color

3HZ 20M OD
tattoo/microchip/DNA profile

1143873
application number

9/20/2010
date of report

RESULTS:

Based on the test results submitted, there was no evidence of Centronuclear Myopathy

MN831116
registration no.

M
sex

7/31/2002
date of birth

80
age at evaluation in months



A Not-For-Profit Organization

LR-CNM213/80M-VPI
O.F.A. NUMBER

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

CLEAR

owner

ALAIN JETTE
320 WHIMBEY
ST LAMBERT, QC J4R2A3
CANADA

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

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

www.offa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

RIVEBLANCHE TOBY KITT, MH
registered name

LABRADOR RETRIEVER
breed

CHOCOLATE
color

3HZ 20M OD
tattoo/microchip/DNA profile

1143873
application number

9/20/2010
date of report

RESULTS:

Exercise Induced Collapse (EIC)

MN831116
registration no.

M
sex

7/31/2002
date of birth

83
age at evaluation in months



A Not-For-Profit Organization

LR-EIC1173/83M-VPI
O.F.A. NUMBER

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

NORMAL

owner

ALAIN JETTE
320 WHIMBEY
ST LAMBERT, QC J4R2A3
CANADA

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

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

www.offa.org

CANINE HEALTH INFORMATION CENTER

RIVEBLANCHE TOBY KITT, MH
registered name

MN831116
registration no.

LABRADOR RETRIEVER
breed

M
sex

7/31/2002
date of birth

CHOCOLATE
color

1/3/2012
date of report

CHIC#: 77783

REQUIRED TESTS

HIPS
ELBOW
EYES

OFA
OFA
CERF

LR-148095G29M-PI
LR-EL45431M87-VPI
LR-361522 (10,05)

1/13/2005
11/3/2009
1/7/2010

OTHER TESTS

CENTRONUCLEAR MYOPATHY
EXERCISE INDUCED COLLAPSE

OFA
OFA

LR-CNM213/80M-VPI
LR-EIC1173/83M-VPI

4/28/2009
7/17/2009

owner

ALAIN JETTE
320 WHIMBEY
ST LAMBERT, QC J4R2A3
CANADA

A.A. Kellendonk

G.G. Fellner, DVM, MS, DACVP
Chief of Veterinary Services

Jerry Wan

Terri Mathen, PhD, JD
Chief Executive Officer / General Counsel



Orthopedic Foundation for Animals, Inc.



www.caninehealthinfo.org



ORIGINAL

CANINE EYE REGISTRATION FOUNDATION
1717 S. Philo Rd. Suite #15. Urbana, IL 61802

Telephone: 217-693-4800

Email: cerf@vmdb.org

12/20/2011

| | | | | | | | |
|---|-----------------------|-------|-----------|--|------------|-----------|---|
| BREED | LABRADOR RETRIEVER | | | CERF # | LR-361522 | (2005-31) | |
| REGISTRATION NAME | RIVEBLANCHE TOBY KITT | | | | | | |
| REGISTRATION NUMBER | MN831116 | COLOR | CHOCOLATE | BIRTH DATE | 07/31/2002 | SEX | M |
| ALAIN JETTE 320 WHIMBEY SAINT-LAMBERT, QC J4R 2A3 CANADA | | | | DATE EXAMINED | 02/01/2005 | | |
| | | | | PERMANENT IDENTIFICATION | 3HZ 20M OD | | |
| | | | | BREEDER OPTION DIAGNOSIS (details on back) No inherited eye disease found | | | |

THIS CERTIFICATE IS VALID ONLY FOR 12 MONTHS, FROM DATE OF EXAMINATION. Certification relates to PHENOTYPE (appearance) only at time of examination; it implies no clearance for GENOTYPE (possible "carrier") or for heritable ocular disease developing subsequent to date of examination.
WARNING: certificate invalid if background not printed in blue ink with the word "original" printed in red ink.



ORIGINAL

CANINE EYE REGISTRATION FOUNDATION
1717 S. Philo Rd. Suite #15. Urbana, IL 61802

Telephone: 217-693-4800

Email: cerf@vmdb.org

12/20/2011

| | | | | | | |
|---|-----------------------|-------|-----------|--|------------|-----------|
| BREED | LABRADOR RETRIEVER | | | CERF # | LR-361522 | (2010-90) |
| REGISTRATION NAME | RIVEBLANCHE TOBY KITT | | | | | |
| REGISTRATION NUMBER | MN831116 | COLOR | CHOCOLATE | BIRTH DATE | 07/31/2002 | SEX M |
| ALAIN JETTE 320 WHIMBEY SAINT-LAMBERT, QC J4R 2A3 CANADA | | | | DATE EXAMINED | 01/07/2010 | |
| | | | | PERMANENT IDENTIFICATION | 3HZ 20M OD | |
| | | | | BREEDER OPTION DIAGNOSIS (details on back) A2 | | |

THIS CERTIFICATE IS VALID ONLY FOR 12 MONTHS, FROM DATE OF EXAMINATION. Certification relates to PHENOTYPE (appearance) only at time of examination; it implies no clearance for GENOTYPE (possible "carrier") or for heritable ocular disease developing subsequent to date of examination.
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