

## Canine Genetic Health Certificate™

<b>Call Name:</b>	Gracie	<b>Laboratory #:</b>	401140
<b>Registered Name:</b>	CJM Gracie	<b>Registration #:</b>	GANA-033617
<b>Breed:</b>	Goldendoodle	<b>Microchip #:</b>	956000011382120
<b>Sex:</b>	Female	<b>Certificate Date:</b>	Nov. 5, 2024
<b>DOB:</b>	March 2023		

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

Disease	Gene	Genotype	Interpretation
Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	<i>CFA12 FGF4</i>	WT/WT	Normal (Clear) - No CDDY or Increased IVDD Risk
Congenital Methemoglobinemia	<i>CYB5R3</i>	WT/WT	Normal (Clear)
Congenital Myasthenic Syndrome (Golden Retriever Type)	<i>COLQ</i>	WT/WT	Normal (Clear)
Degenerative Myelopathy (Common Variant)	<i>SOD1</i>	WT/WT	Normal (Clear)
Dystrophic Epidermolysis Bullosa (Golden Retriever Type)	<i>COL7A1</i>	WT/WT	Normal (Clear)
Exercise-Induced Collapse	<i>DNM1</i>	WT/WT	Normal (Clear)
GM2 Gangliosidosis (Poodle Type)	<i>HEXB</i>	WT/WT	Normal (Clear)
Hereditary Cataracts	<i>HSF4</i>	WT/WT	Normal (Clear)
Ichthyosis (Golden Retriever Type 1)	<i>PNPLA1</i>	WT/WT	Normal (Clear)
Ichthyosis (Golden Retriever Type 2)	<i>ABHD5</i>	WT/WT	Normal (Clear)
Multidrug Resistance 1	<i>ABCB1</i>	WT/WT	Normal (Clear)
Muscular Dystrophy (Golden Retriever Type)	<i>DMD</i>	WT/WT	Normal/Clear Female

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

Paw Print Genetics® performed the testing on the dog listed on this certificate. 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. The results included in this report relate only to the items tested using the sample provided. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the test(s)' accuracy and precision with >99.9% sensitivity and specificity. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a breed identification test. 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.

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<b>Registered Name:</b>	CJM Gracie	<b>Registration #:</b>	GANA-033617
<b>Breed:</b>	Goldendoodle	<b>Microchip #:</b>	956000011382120
<b>Sex:</b>	Female	<b>Certificate Date:</b>	Nov. 5, 2024
<b>DOB:</b>	March 2023		

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

Disease	Gene	Genotype	Interpretation
Neonatal Encephalopathy with Seizures	<i>ATF2</i>	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever Type)	<i>CLN5</i>	WT/WT	Normal (Clear)
Osteochondrodysplasia	<i>SLC13A1</i>	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Golden Retriever Type)	<i>COL1A1</i>	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 1	<i>SLC4A3</i>	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 2	<i>TTC8</i>	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</i>	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Rod-Cone Dysplasia 4	<i>C2orf71</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)

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ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

CJM GRACIE  
registered name

GANA033617  
registration no.

HYBRID  
breed

F  
sex

film/test/lab #

03/30/2023  
date of birth

956000011382120  
tattoo/microchip/DNA profile

15  
age at evaluation in months

2542896  
application number



A Not-For-Profit Organization

07/08/2024  
date of report

HY-BCA6644/15F/P-VPI  
O.F.A. NUMBER

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

RESULTS:

Normal cardiovascular examination via auscultation - No evidence of congenital or acquired heart disease was noted. Since acquired heart disease may develop later, these evaluation results remain valid for one year, and annual examinations are recommended to continue to monitor cardiac health.

NORMAL/CLEAR - PRACTITIONER

owner

CORINE LOREN

CANADA

OFA eCert



Verify QR scan

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

www.ofa.org

This electronic OFA certificate was generated on: 07/08/2024

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@OFA.ORG](mailto:CORRECTIONS@OFA.ORG) to request a correction.

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

OFA website: [www.ofa.org](http://www.ofa.org)  
E-mail address: [ofa@ofa.org](mailto:ofa@ofa.org)  
Phone number: 573-442-0418  
Fax number: 573-875-5073

Orthopedic Foundation for Animals  
Preliminary Elbow Dysplasia Evaluation Report



A Not-for-Profit  
Organization

CJM GRACIE  
*registered name*

GANAO33617  
*registration no.*

HYBRID  
*breed*

F  
*sex*

*film/test/lab #*

03/30/2023  
*date of birth*

956000011382120  
*tattoo/microchip/DNA profile*

16  
*age at evaluation in months*

2542896  
*application number*

08/27/2024  
*date of report*



**Owner**

CORINE LOREN

CANADA

**Veterinarian**

LACOMBE VETERINARY CENTRE  
5828 HWY 2A  
LACOMBE AB T4L2G5  
CANADA

Preliminary Elbow Dysplasia Evaluation Report

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 \_\_\_\_\_

*G.G. Keller, DVM*

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

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

CJM GRACIE  
*registered name*

HYBRID  
*breed*

24QGKZ  
*film/test/lab #*

956000011382120  
*tattoo/microchip/DNA profile*

2542896  
*application number*

05/02/2024  
*date of report*

**RESULTS:**

Based upon the exam dated 04/27/2024, 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.

GANA033617  
*registration no.*

F  
*sex*

03/30/2023  
*date of birth*

12  
*age at evaluation in months*



A Not-For-Profit Organization

HY-EYE9558/12F-VPI  
*O.F.A. NUMBER*

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

PUPPIES NORMAL

owner

CORINE LOREN

████████████████████  
CANADA

OFA eCert



Verify QR scan

*G.G. Keller, DVM*

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

www.ofa.org

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Phone number: 573-442-0418  
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

CJM GRACIE  
*registered name*

HYBRID  
*breed*

*film/test/lab #*

956000011382120  
*tattoo/microchip/DNA profile*

2542896  
*application number*

07/08/2024  
*date of report*

**RESULTS:**

The results of the examination submitted to OFA indicate that no evidence of patellar luxation was recognized.

GANAA033617  
*registration no.*

F  
*sex*

03/30/2023  
*date of birth*

15  
*age at evaluation in months*



A Not-For-Profit Organization

HY-PA10906/15F/P-VPI  
*O.F.A. NUMBER*

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

NORMAL - PRACTITIONER

owner

CORINE LOREN

CANADA

OFA eCert



Verify QR scan

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

[www.ofa.org](http://www.ofa.org)

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E-mail address: [ofa@ofa.org](mailto:ofa@ofa.org)  
Phone number: 573-442-0418  
Fax number: 573-875-5073

## PennHIP Report

Referring Veterinarian: Dr Peter Lawson Email: info@lacombevet.ca	Clinic Name: Lacombe Veterinary Centre Clinic Address: 5828 Hwy 2A Lacombe, AB T4L 2G5 Phone: Fax:
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## Patient Information

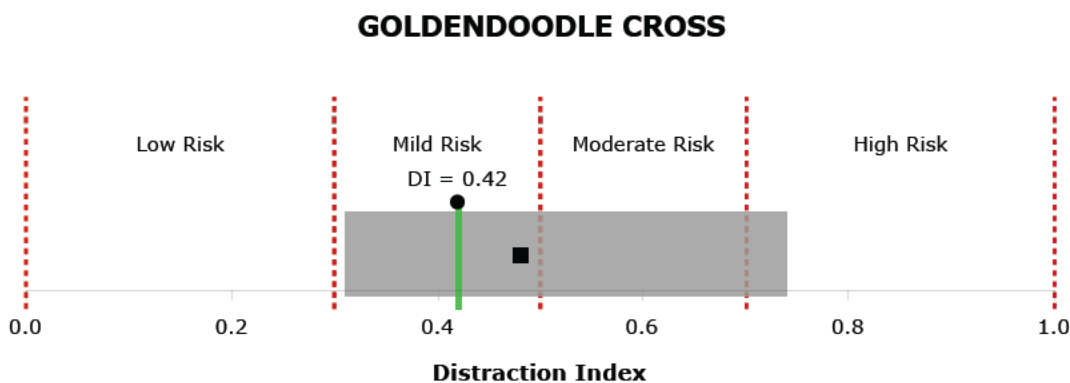
Client: Loren, Corine Patient Name: CJM Gracie Reg. Name: CJM Gracie PennHIP Num: 205670 Species: Canine Date of Birth: 30 Mar 2023 Sex: Female Date of Study: 21 Aug 2024 Date of Report: 27 Aug 2024	Tattoo Num: Patient ID: 40666 Registration Num: GANA-033617 Microchip Num: 956000011382120 Breed: GOLDDOODLE CROSS Age: 17 months Weight: 43.2 lbs/19.6 kgs Date Submitted: 21 Aug 2024
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## Findings

Distraction Index (DI): Right DI = 0.42, Left DI = 0.39. Osteoarthritis (OA): No radiographic evidence of OA for either hip. Cavitation/Other Findings: No cavitation present.
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## 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 0.42.  
 OA Risk Category: The DI is between 0.31 and 0.49. This patient is at mild risk for hip OA.  
 Distraction Index Chart:



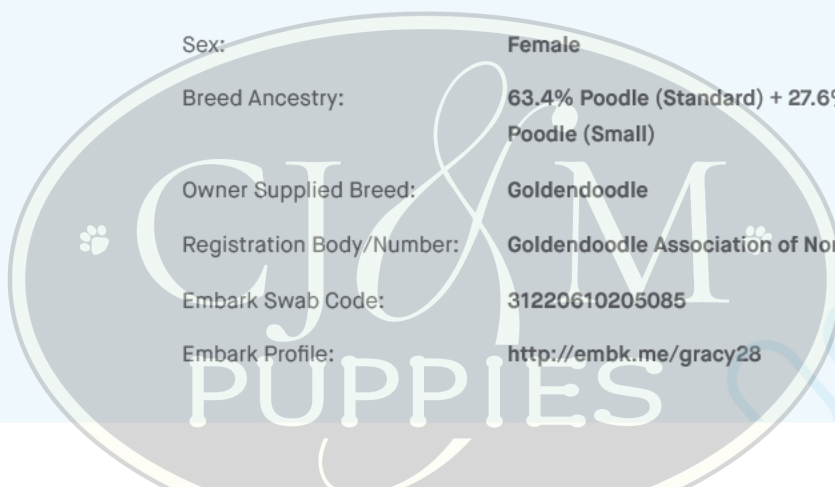
**BREED STATISTICS:** This interpretation is based on a cross-section of 3676 canine patients of the GOLDENDOODLE CROSS breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.31 - 0.74) for the breed. The breed average DI is 0.48 (solid square). The patient DI is the solid circle (0.42).

**SUMMARY:** The degree of laxity (DI = 0.42) falls within the central 90% range of DIs for the breed. This amount of hip laxity places the hip at a mild risk to develop hip OA. No radiographic evidence of OA for either hip.

"Gracy"



Registered Name:	CJM Gracy
Date of Birth:	3/30/2023
Sex:	Female
Breed Ancestry:	63.4% Poodle (Standard) + 27.6% Golden Retriever + 9.0% Poodle (Small)
Owner Supplied Breed:	Goldendoodle
Registration Body/Number:	Goldendoodle Association of North America (GANA)
Embark Swab Code:	31220610205085
Embark Profile:	<a href="http://embk.me/gracy28">http://embk.me/gracy28</a>



Your dog's DNA was tested by Embark Veterinary, Inc. for the likelihood of developing clinical signs from 16 health conditions that are currently relevant for their breed(s). Please speak to your veterinarian and breeder about specific risks and care recommendations associated with your dog's results.

**Great news!**

Your dog is **not expected to develop signs and symptoms** from the specific variants\* for the following breed-relevant conditions:

- Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD (FGF4 retrogene - CFA12)
- Congenital Myasthenic Syndrome, CMS (COLQ, Golden Retriever Variant)
- Degenerative Myelopathy, DM (SOD1A)
- Dystrophic Epidermolysis Bullosa (COL7A1, Golden Retriever Variant)
- GM2 Gangliosidosis (HEXB, Poodle Variant)
- Golden Retriever Progressive Retinal Atrophy 1, GR-PRA1 (SLC4A3)
- Golden Retriever Progressive Retinal Atrophy 2, GR PRA2 (TTC8)
- Ichthyosis, ICH1 (PNPLA1, Golden Retriever Variant)
- Muscular Dystrophy (DMD, Golden Retriever Variant)
- Neonatal Encephalopathy with Seizures, NEWS (ATF2)
- Neuronal Ceroid Lipofuscinosis 5, NCL 5 (CLN5 Exon 4 Deletion, Golden Retriever Variant)
- Osteochondrodysplasia, Skeletal Dwarfism (SLC13A1, Poodle Variant)
- Osteogenesis Imperfecta, Brittle Bone Disease (COL1A1, Golden Retriever Variant)
- Progressive Retinal Atrophy, prcd (PRCD Exon 1)
- Retina Dysplasia and/or Optic Nerve Hypoplasia (SIX6 Exon 1, Golden Retriever Variant)
- Von Willebrand Disease Type I, Type I vWD (VWF)

\* The information presented above is intended for non-breeding purposes. Please refer to the full Embark genetic test results for comprehensive health and trait information that is relevant for breeding decisions.