



Coat Color and Trait Certificate

Gray Tie
memphis

Call Name: Gray Collar
Registered Name: -
Breed: Goldendoodle
Sex: Male
DOB: Nov. 2021

Laboratory #: 274065
Registration #: -
Certificate Date: Dec. 6, 2021

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
IC Locus (Improper Coat/Furnishings)	<i>RSPO2</i>	F/IC	Furnishings (improper coat carrier)
S Locus (White Spotting, Parti, or Piebald)	<i>MITF</i>	s ^P /s ^P	Nearly solid white, parti, or piebald

Interpretation:

This dog carries one copy of the mutation for improper coat (**IC**) and one copy of **F** and will therefore have furnishings (proper coat). This dog does not carry the mutation for weak furnishings. 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 **IC** (improper coat) to 50% of its offspring and **F** (furnishings, proper coat) to 50% of its offspring. Therefore, this dog can produce puppies with improper coat if bred with a dog that carries one copy (F/IC) or two copies (IC/IC) of the mutation for improper coat.

This dog carries two copies of s^P which results in a nearly solid white, parti, or piebald coat color. This dog will pass on one copy of s^P to 100% 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.

Blake C Ballif, PhD
Laboratory & Scientific 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.

Canine Genetic Health Certificate™

*Gray Tie
Memphis*

Call Name:	Gray Collar	Laboratory #:	274065
Registered Name:	-	Registration #:	-
Breed:	Goldendoodle	Certificate Date:	Dec. 6, 2021
Sex:	Male		
DOB:	Nov. 2021		

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

Disease	Gene	Genotype	Interpretation
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Ichthyosis (Golden Retriever Type)	<i>PNPLA1</i>	WT/WT	Normal (clear)
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)
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)



Blake C Ballif, PhD
 Laboratory & Scientific Director



Casey R Carl, DVM
 Associate Medical Director

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Canine Genetic Health Certificate™

*Green Tie
maddox*

Call Name: Black Collar **Laboratory #:** 274066
Registered Name: - **Registration #:** -
Breed: Goldendoodle **Certificate Date:** Dec. 6, 2021
Sex: Male
DOB: Nov. 2021

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Disease	Gene	Genotype	Interpretation
Degenerative Myelopathy	SOD1	WT/WT	Normal (clear)
Ichthyosis (Golden Retriever Type)	PNPLA1	WT/WT	Normal (clear)
Neonatal Encephalopathy with Seizures	ATF2	WT/WT	Normal (clear)
Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever Type)	CLN5	WT/WT	Normal (clear)
Osteochondrodysplasia	SLC13A1	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Golden Retriever 1	SLC4A3	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Golden Retriever 2	TTC8	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	PRCD	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Rod-Cone Dysplasia 4	C2orf71	WT/WT	Normal (clear)
Von Willebrand Disease I	VWF	WT/WT	Normal (clear)

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



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