OFA and Genetic Testing

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

PRODIGY'S SAIGE
registered name

POODLE, STANDARD
breed

film/test/lab #

982091062393825
tattoo/microchip/DNA profile

2571931
application number

08/27/2024
date of report

PR25172904
registration no.

F
sex

03/01/2022
date of birth

29
age at evaluation in months

A Not-For-Profit Organization

PO-34888E29F-P-VPI
O.F.A. NUMBER

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

RESULTS:

No radiographic evidence of hip dysplasia is present. The consensus evaluation is: EXCELLENT

owner
ERMA CASSIDY
JULIE SHOMODY

OFA eCert

Verify QR scan

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

www.ofa.org

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PO-EL9513F29-P-VPI
O.F.A. NUMBER

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RESULTS:

The elbows are normal. No radiographic evidence of elbow dysplasia is present.

NORMAL

owner
ERMA CASSIDY
JULIE SHOMODY

OFA eCert

Verify QR scan

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Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

Canine Genetic Health Certificate™

Call Name:	Saige	**Laboratory #:**	462345
Registered Name:	-	**Registration #:**	-
Breed:	Standard Poodle	**Microchip #:**	982091062393825
Sex:	Female	**Certificate Date:**	Oct. 1, 2024
DOB:	March 2022		

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

Disease	Gene	Genotype	Interpretation
Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	*CFA12 FGF4*	WT/WT	Normal (Clear) - No CDDY or Increased IVDD Risk
Degenerative Myelopathy (Common Variant)	*SOD1*	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2)	*TNXB*	WT/WT	Normal (Clear)
GM2 Gangliosidosis (Poodle Type)	*HEXB*	WT/WT	Normal (Clear)
Hereditary Cataracts	*HSF4*	WT/WT	Normal (Clear)
Multidrug Resistance 1	*ABCB1*	WT/WT	Normal (Clear)
Neonatal Encephalopathy with Seizures	*ATF2*	WT/WT	Normal (Clear)
Osteochondrodysplasia	*SLC13A1*	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)

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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Coat Color and Trait Certificate

Call Name: Saige
Registered Name: -
Breed: Standard Poodle
Sex: Female
DOB: March 2022

Laboratory #: 462345
Registration #: -
Microchip #: 982091062393825
Certificate Date: Oct. 1, 2024

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
A Locus (Agouti)	*ASIP*	a^t/a^t	Tricolor, black and tan
A^S Locus (Saddle Tan)	*RALY*	N/N	No saddle tan/creeping tan
B Locus (Brown)	*TYRP1*	b/b	Brown coat, nose and foot pads (carries two copies of brown)
Chondrodysplasia (CDPA)	*CFA18 FGF4*	cd/cd	No Leg Shortening Associated with CDPA
Cu Locus (Curly Hair)	*KRT71*	Cu^C/Cu^C	Curly coat
D Locus (Dilute)	*MLPH*	D/D	Non-dilute (does not carry dilute)
E Locus	*MC1R*	E^m/E	Melanistic Mask - Carrier (Black)
I Locus (Intensity)	*MFSD12*	I/i	Normal intensity (carrier)
IC Locus (Improper Coat/Furnishings)	*RSPO2*	F/F^w	Furnishings (weak furnishings carrier)
K Locus (Dominant Black)	*CBD103*	k^y/k^y	Agouti expression allowed
L Locus (Long Hair/Fluffy)	*FGF5*	Lh^1/Lh^1	Longhaired (carries two copies of long hair)
M Locus (Merle)	*PMEL*	m/m	Non merle
S Locus (White Spotting, Parti, or Piebald)	*MITF*	S/s^p	Limited white spotting, flash, parti, or piebald (carrier)
SD Locus (Shedding)	*MC5R*	SD/SD	High shedding

Interpretation:

This dog carries two copies of **a^t** which results in tan points and can also present as a black and tan or tricolor coat color. However, this dog's coat color is also dependent on the E, K, and B genes. The tan point coat color is only expressed if the dog is also E/E or E/e at the E locus and k^y/k^y at the K locus. This dog will pass on **a^t** to 100% of its offspring.

This dog carries two copies of the **N** allele, which is not associated with a saddle tan coat color. This dog's coat color is also dependent on the E, A, and K genes, among others. This dog will pass **N** to 100% of its offspring.

This dog carries two copies of one of the same b mutation and has a B locus genotype of b/b. Thus, this dog typically will have a brown coat, nose and foot pads. Depending on the breed, b/b dogs may be referred to as brown, chocolate, liver or red. However, this dog's coat color is dependent on the genotypes of many other genes. This dog will pass one copy of b to 100% of its offspring. This dog can produce b/b offspring if bred to a dog that is also a carrier of a b mutation (B/b or b/b).