Animal Disease Diagnostic Laboratory

Purdue University, 406 S. University Street, West Lafayette, IN 47907-2065
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ADDL Case #: A24-19923 **Other ID:** **Date Received:** 4/9/2024

Submitter	Premises	Owner
PURDUE CANINE GENETICS LAB 625 HARRISON STREET WEST LAFAYETTE, IN 47907	DOG INFO	MATT CHRISTENSEN [redacted]

Vet Phone:
Vet Fax:
Premise ID: DOG INFO
Tests Requested in: CanineG

Species: Canine
Breed: Toy Australian Shepherd

Sex: Male
Age: Unknown

Test	Ordered	Status	Completed
Neuroaxonal Dystrophy	4/9/2024	Complete	4/11/2024

Owner Report

4/11/2024 9:32:24 AM

Canine Genetics by Dr. Rebecca Wilkes, Section Head

The following tests were performed using **PCR.**

Animal ID	Specimen	Organism	Result
RUGER	Cheek Swab	Neuroaxonal Dystrophy	Clear (N/N)

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

Canine Genetic Health Certificate™

Call Name:	Ruger	**Laboratory #:**	[redacted]
Registered Name:	Diamond Creek Gunnin For Chics At Beartooth	**Registration #:**	-
Breed:	Toy Australian Shepherd	**Certificate Date:**	Aug. 3, 2020
Sex:	Male		
DOB:	Aug. 2019		

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

Disease	Gene	Genotype	Interpretation
Collie Eye Anomaly	*NHEJ1*	WT/WT	Normal (clear)
Cone Degeneration	*CNGB3*	WT/WT	Normal (clear)
Degenerative Myelopathy	*SOD1*	WT/WT	Normal (clear)
Hereditary Cataracts (Australian Shepherd Type)	*HSF4*	WT/WT	Normal (clear)
Hyperuricosuria	*SLC2A9*	WT/WT	Normal (clear)
Intestinal Cobalamin Malabsorption (Australian Shepherd Type)	*AMN*	WT/WT	Normal (clear)
Multidrug Resistance 1	*ABCB1*	WT/M	Carrier (At-Risk)
Multifocal Retinopathy 1	*BEST1*	WT/WT	Normal (clear)
Neuronal Ceroid Lipofuscinosis 6	*CLN6*	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	*PRCD*	WT/WT	Normal (clear)

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

Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Robert D. Westra, MS, DVM
Assistant Medical Director

Paw Print Genetics® performed the tests listed on this dog. 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. 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. Genetic counseling is available at Paw Print Genetics.

AnimalGenetics
INCORPORATED
1336 Timberlane Road
Tallahassee, FL 32312-1766

Generated On: 2/6/2020

Canine Genetic Testing Report

Submitted By

[redacted]
United States

Subject Dog 00176367

Date Received: 1/14/2020

Dog Name: ~~Boomer (Bill MI)~~ Roger
Breed: Toy Australian Shepherd
Phenotype: Blue Merle

Registration:
Microchip:
Sex: Male
Birth: 08/15/2019

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

	A Locus-Ay		Not Tested
	A Locus-Aw		Not Tested
	A Locus-At		Not Tested
	A Locus-a		Not Tested
X	B Locus	B/B	Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring.
	D Locus		Not Tested
	E Locus- EM		Not Tested
	E Locus- e		Not Tested
	K Locus-KB		Not Tested
	Spotting		Not Tested
	Harlequin		Not Tested
X	Merle	n/M	Dog has one copy of the "M" merle allele and one negative "m" copy of merle allele. The dog can pass either allele on to any offspring.

	Hair Length		Not Tested
	Hair Curl		Not Tested
	Furnishings		Not Tested
	Bobtail		Not Tested
	Shedding		Not Tested

	Cone Deg.		Not Tested
	CEA		Not Tested
	CMR1		Not Tested
	DM		Not Tested
	HC		Not Tested
	MDR1		Not Tested
	prcd-PRA		Not Tested

Not Tested

AHT121	AHT137	AHTh171	AHTh260	AHTh211	AHTh253	C22.279
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

None