

220 E. Rowan, Suite 220 Spokane, Washington 99207 www.pawprintgenetics.com (509) 483-5950

Laboratory Report

Laboratory #:

112517

Order #:

49248

Ordered By: Ordered:

Nov. 22, 2018

Received: Reported:

Deena Braun

Dec. 3, 2018 Dec. 7, 2018 Call Name:

Ginger

Registered Name:

Breed: Sex: NE3D Ginger Snap Australian Shepherd

Female

DOB: Registration #: May 2018 Pending

Microchip #:

981020027031164

Results:

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/WT	Normal (clear)
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)

Interpretation:

Molecular genetic analysis was performed for 10 specific mutations reported to be associated with disease in dogs. We identified two normal copies of the DNA sequences in the mutations tested.

Recommendations:

No mutations were identified. Thus, this dog is not at an increased risk for the diseases caused by or associated with the mutations tested. Because this dog is "clear" of these mutations, this dog will only pass the normal genes on to its offspring. 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. 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.

Helen Smit

Helen F Smith, PhD Assistant Laboratory Director Chthy

Christina J Ramirez, PhD, DVM, DACVP 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™

Call Name:

Ginger

Registered Name:

NE3D Ginger Snap

Breed:

Australian Shepherd

Sex: DOB: Female May 2018 Laboratory #:

112517

Registration #:

Pending

Microchip #:

981020027031164

Certificate Date:

Dec. 7, 2018

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

Gene	Genotype	Interpretation		
NHEJ1	WT/WT	Normal (clear)		
CNGB3	WT/WT	Normal (clear)		
SOD1	WT/WT	Normal (clear)		
HSF4	WT/WT	Normal (clear)		
SLC2A9	WT/WT	Normal (clear)		
AMN	WT/WT	Normal (clear)		
ABCB1	WT/WT	Normal (clear)		
BEST1	WT/WT	Normal (clear)		
CLN6	WT/WT	Normal (clear)		
PRCD	WT/WT	Normal (clear)		
	NHEJ1 CNGB3 SOD1 HSF4 SLC2A9 AMN ABCB1 BEST1 CLN6	NHEJ1 WT/WT CNGB3 WT/WT SOD1 WT/WT HSF4 WT/WT SLC2A9 WT/WT AMN WT/WT ABCB1 WT/WT BEST1 WT/WT CLN6 WT/WT		

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

Helm Smith

Helen F Smith, PhD

Assistant Laboratory Director

Christina J Ramirez, PhD, DVM, DACVP Medical Director

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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.