

Canine Genetic Testing Report

Submitted By
Roberta Lilienthal Planet K9 Collies 11567 Boone Rd. Plato, MN 55370



Subject Dog 00068154	Date Received: 11/21/2016
Dog Name: Planet K9 Turbo Breed: Rough Collie Phenotype: Sable	Registration: DN33693003 Sex: Male Birth: 05/03/2012

Sire
Sire Name: Breed: Registration: Phenotype:

Dam
Dam Name: Breed: Registration: Phenotype:

Coat Color Testing		
A Locus-Ay		Not Tested
A Locus-At		Not Tested
A Locus-a		Not Tested
B Locus		Not Tested
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
Merle		Not Tested

Genetic Disorders			
X	CEA	CEA/CE A	Affected: Dog carries two copies of the Collie Eye Anomaly mutation, and will be affected by the disorder. The dog will always pass on a copy of the CEA mutation to any offspring.
X	CN	n/n	Clear: Dog tested negative for the Cyclic Neutropenia mutation.
X	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	MDR1	n/M1	Carrier: Dog carries one copy of the mutation and may pass it on to offspring. May experience some sensitivity to ivermectin or other associated drugs

Coat Type Testing		
Hair Length		Not Tested
Hair Curl		Not Tested
Furnishings		Not Tested
Bobtail		Not Tested

Genetic Marker Results							Run Date: <i>Not Tested</i>
-	-	-	-	-	-	-	
AHT121	AHT137	AHT171	AHT260	AHTk211	AHTk253	C22-279	
-	-	-	-	-	-	-	
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055	
-	-	-	-	-			
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23			

Additional Comments
<i>None</i>

Canine Genetic Testing Report

Submitted By
Roberta Lilienthal Planet K9 Collies 11567 Boone Rd. Plato, MN 55370



Subject Dog 00068156	Date Received: 11/21/2016
Dog Name: Planet K9 Jewel Breed: Rough Collie Phenotype: Blue Merle	Registration: DN46962001 Sex: Female Birth: 07/29/2016

Sire
Sire Name: Breed: Registration: Phenotype:

Dam
Dam Name: Breed: Registration: Phenotype:

Coat Color Testing		
A Locus-Ay		Not Tested
A Locus-At		Not Tested
A Locus-a		Not Tested
B Locus		Not Tested
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
Merle		Not Tested

Genetic Disorders		
CEA		Not Tested
CN		Not Tested
DM		Not Tested
MDR1		Not Tested

Genetic Marker Results							Run Date: Not Tested
-	-	-	-	-	-	-	
AHT121	AHT137	AHT171	AHT260	AHTk211	AHTk253	C22-279	
-	-	-	-	-	-	-	
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055	
-	-	-	-	-			
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23			

Coat Type Testing		
Hair Length		Not Tested
Hair Curl		Not Tested
Furnishings		Not Tested
Bobtail		Not Tested

Additional Comments
None

Laboratory Report

Laboratory #:	50957	Call Name:	Turbo
Order #:	22041	Registered Name:	Planet K9 Turbo
Ordered By:	Roberta Lilienthal	Breed:	Rough Collie
Ordered:	April 5, 2017	Sex:	Male
Received:	April 13, 2017	DOB:	May 2012
Reported:	April 26, 2017	Registration #:	dn33693003

Results:

Disease	Gene	Genotype	Interpretation
Progressive Retinal Atrophy, Rod-Cone Dysplasia 2	<i>RD3</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant

Interpretation:

Molecular genetic analysis was performed for a specific mutation reported to be associated with Progressive Retinal Atrophy, Rod-Cone Dysplasia 2 in dogs. We identified two normal copies of the DNA sequences in the mutation tested.

Recommendations:

No mutations were identified. Thus, this dog is not at an increased risk for the disease caused by or associated with the mutation tested. Because this dog is "clear" of this mutation, this dog will only pass the normal gene on to its offspring. Normal results do not exclude inherited mutations not tested in this gene 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.



Christina J Ramirez, PhD, DVM, DACVP
 Medical 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.