

Laboratory Report

Laboratory #: 18740	Call Name: Cooper
Order #: 7146	Registered Name: Southerndoodlin's Cooper
Ordered By: Olivia Matyear	Breed: Australian Labradoodle
Ordered: Dec. 4, 2015	Sex: Male
Received: Feb. 16, 2016	DOB: June 2014
Reported: Feb. 26, 2016	Registration #: 1ABB1D-07

Results:

Disease	Gene	Genotype	Interpretation
Centronuclear myopathy	<i>PTPLA</i>	WT/WT	Normal (clear)
Cystinuria (Labrador Retriever type)	<i>SLC3A1</i>	WT/WT	Normal (clear)
Degenerative myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Exercise-induced collapse	<i>DNM1</i>	WT/WT	Normal (clear)
Myotubular myopathy 1	<i>MTM1</i>	WT/WT	Normal (clear)
Narcolepsy (Labrador Retriever type)	<i>HCRTR2</i>	WT/WT	Normal (clear)
Neonatal encephalopathy with seizures	<i>ATF2</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)
Retinal dysplasia/Oculoskeletal dysplasia 1	<i>COL9A3</i>	WT/WT	Normal (clear)
Von Willebrand disease I	<i>VWF</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant

Interpretation:

Molecular genetic analysis was performed for 11 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 diseases, 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.



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.



Canine Genetic Health CertificateTM

Call Name: Cooper
Registered Name: Southerndoodlin's Cooper
Breed: Australian Labradoodle
Sex: Male
DOB: June 2014

Laboratory #: 18740
Registration #: 1ABB1D-07
Certificate Date: Feb. 26, 2016

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

Disease	Gene	Genotype	Interpretation
Centronuclear myopathy	<i>PTPLA</i>	WT/WT	Normal (clear)
Cystinuria (Labrador Retriever type)	<i>SLC3A1</i>	WT/WT	Normal (clear)
Degenerative myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Exercise-induced collapse	<i>DNM1</i>	WT/WT	Normal (clear)
Myotubular myopathy 1	<i>MTM1</i>	WT/WT	Normal (clear)
Narcolepsy (Labrador Retriever type)	<i>HCRTR2</i>	WT/WT	Normal (clear)
Neonatal encephalopathy with seizures	<i>ATF2</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)
Retinal dysplasia/Oculoskeletal dysplasia 1	<i>COL9A3</i>	WT/WT	Normal (clear)
Von Willebrand disease I	<i>VWF</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant

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Medical Director

Casey R Carl, DVM
Associate Medical Director

Paw Print GeneticsTM 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.



Coat Color and Trait Certificate

Call Name: Cooper
Registered Name: Southerndoodlin's Cooper
Breed: Australian Labradoodle
Sex: Male
DOB: June 2014

Laboratory #: 18740
Registration #: 1ABB1D-07
Certificate Date: Feb. 26, 2016

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
IC locus (Improper coat/Furnishings)	RSPO2	F/F	Furnishings

Interpretation:

This dog does not carry the mutation for improper coat and will therefore have furnishings (proper coat). 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 **F** (furnishings, proper coat) on 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.

Christina J Ramirez, PhD, DVM, DACVP
Medical Director

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