

## Canine Genetic Health Certificate <sup>TM</sup>

<b>Call Name:</b>	Pine State's Douglas	<b>Laboratory #:</b>	21295
<b>Registered Name:</b>	-	<b>Registration #:</b>	-
<b>Breed:</b>	Australian Labradoodle	<b>Microchip #:</b>	981020017204709
<b>Sex:</b>	Male	<b>Certificate Date:</b>	May 31, 2016
<b>DOB:</b>	March 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)
Familial nephropathy (Cocker Spaniel type)	<i>COL4A4</i>	WT/WT	Normal (clear)
Glycogen storage disease VII, PFK Deficiency	<i>PFKM</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, Progressive rod-cone degeneration	<i>PRCD</i>	WT/WT	Normal (clear)
Von Willebrand disease I	<i>VWF</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant

*Progressive retinal atrophy, Progressive rod-cone degeneration was performed under an exclusive sublicense from OptiGen®, LLC*



**Christina J Ramirez, PhD, DVM, DACVP**  
 Medical Director



**Casey R Carl, DVM**  
 Associate 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.

## Coat Color and Trait Certificate

<b>Call Name:</b>	Pine State's Douglas	<b>Laboratory #:</b>	21295
<b>Registered Name:</b>	-	<b>Registration #:</b>	-
<b>Breed:</b>	Australian Labradoodle	<b>Microchip #:</b>	981020017204709
<b>Sex:</b>	Male	<b>Certificate Date:</b>	May 31, 2016
<b>DOB:</b>	March 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.

*Note: At the client's request this certificate was amended on May 31, 2016 to update the call name and include the microchip number for this dog.*



**Blake C Ballif, PhD**  
Laboratory & Scientific Director



**Christina J Ramirez, PhD, DVM, DACVP**  
Medical Director

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