

**ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.**

**DISCOVERY TAILS PRINCESS SCARLETT RUBY**  
*registered name*

**AUSTRALIAN LABRADOODLE**  
*breed*

**24U6EP**  
*film/test/lab #*

**956000015121688**  
*tattoo/microchip/DNA profile*

**2567404**  
*application number*

**08/16/2024**  
*date of report*

**RESULTS:**

Based upon the exam dated 07/27/2024, this dog has been found to be free of observable inherited eye disease and has been issued an Eye Certification Registry Number which is valid for one year from the time of the exam.

**00100070**  
*registration no.*

**F**  
*sex*

**01/08/2024**  
*date of birth*

**6**  
*age at evaluation in months*



A Not-For-Profit Organization

**LD-EYE10093/6F-VPI**  
*O.F.A. NUMBER*

*This number issued with the right to correct or  
revoke by the Orthopedic Foundation for Animals.*

**NORMAL**

**owner**  
**VICKI MCCORMACK**  
**81 EASTGATE PL**  
**SEQUIM WA 98382**

OFA eCert



Verify QR scan

*G.G. Keller, DVM*

**G.G. KELLER, DVM, MS, DACVR**  
**CHIEF OF VETERINARY SERVICES**

**www.ofa.org**

This electronic OFA certificate was generated on: 08/16/2024

This certification can be verified on the OFA website by entering the dog's registration number into the orange search box located at the top of the page or by scanning the QR code above.

If there are any errors on this certificate, please email **CORRECTIONS@OFA.ORG** to request a correction.

Orthopedic Foundation for Animals, Inc.  
2300 E. Nifong Blvd.  
Columbia, MO 65201-3806

OFA website: [www.ofa.org](http://www.ofa.org)  
E-mail address: [ofa@ofa.org](mailto:ofa@ofa.org)  
Phone number: 573-442-0418  
Fax number: 573-875-5073



## Demographic Information

Call Name	Ruby
Registered Name	Discovery Tails Princess Scarlett Ruby
Breed	Australian Labradoodle
Sex	Female
Owner	Vicki McCormack
DOB	January 8, 2024
Registration Number	in process
Tattoo	
Microchip	956000015121688
Laboratory #	441916
Report Date	April 11, 2024

These tests were developed and performed by Paw Print Genetics®, Lincoln, NE.

## Explanation of Results

Normal	A 'Normal' result means that your dog does not have the mutation that causes the associated genetic disease.
Carrier	A 'Carrier' result indicates that your dog has inherited one copy of the mutation that has been reported to cause this genetic disease. Your dog may not be clinically affected by this mutation because two copies of the mutation are usually required to cause disease.
Carrier / At-Risk	A 'Carrier / At-Risk' result indicates that your dog inherited one copy of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one mutant copy of the gene may result in the disease. Dogs with one copy of the mutation may have a milder phenotype as compared to dogs with two copies of this mutation.
At-Risk / Affected	An 'At-Risk / Affected' result indicates that your dog inherited one or two copies of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one or two mutant copies of the gene may result in the disease.
No Result	'No Result' indicates that we were unable to obtain a genotype for your dog for this specific disease or trait and does not mean that your dog is a carrier or at-risk for this disease. There

are a variety of reasons why a specific test may not provide a reportable result. Unique variations in the genetic code of some individuals may exist and cause certain regions of the genome to not perform properly with a specific test. In addition, suboptimal sampling of the dog’s cheek cells could also result in poor sample performance due to inadequate cell counts, bacterial and fungal growth, or the presence of other test inhibitors. An acceptable level of tests with no results has been determined by Paw Print Genetics. Dogs with at least 90% of the test results are determined to be acceptable and reportable. If your dog has an unacceptable level of tests with no results, you will be contacted for a new sample to repeat the testing.

Please review our [testing terms and disclaimers](#) regarding your results.

WT: **wild type (normal)** M: **mutant** Y: **Y chromosome (male)**

# Breed Profile

Disease Name	Geno.	Interpretation
<a href="#">Centronuclear Myopathy</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Cone Degeneration (Labrador Retriever Type)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Congenital Myasthenic Syndrome (Labrador Retriever Type)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Cystinuria (Labrador Retriever Type)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Degenerative Myelopathy</a>	WT/WT	<b>Normal</b> (Clear)
<div>Degenerative Myelopathy (Bernese Mountain Dog Variant) Degenerative Myelopathy (Common Variant)</div>		
<a href="#">Elliptocytosis</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Exercise-Induced Collapse</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Familial Nephropathy (Cocker Spaniel Type)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Gallbladder Mucoceles</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Glycogen Storage Disease VII, PFK Deficiency</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">GM2 Gangliosidosis (Poodle Type)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Hereditary Cataracts</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Hereditary Nasal Parakeratosis (Labrador Retriever Type)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Hyperuricosuria</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Ichthyosis (Golden Retriever Type 1)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Intervertebral Disc Disease Risk Factor and Chondrodystrophy (CDDY with IVDD)</a>	WT/WT	<b>Normal</b> (Clear)
<a href="#">Macular Corneal Dystrophy (Labrador Retriever Type)</a>	WT/WT	<b>Normal</b> (Clear)

<a href="#">Multidrug Resistance 1</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Myotonia Congenita (Labrador Retriever Type)</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Myotubular Myopathy 1 (Labrador Retriever Type)</a>	WT/WT	<div>X-Linked Female Normal</div>
<a href="#">Narcolepsy (Labrador Retriever Type)</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Neonatal Encephalopathy with Seizures</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Osteochondrodysplasia</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Progressive Retinal Atrophy, Cone-Rod Dystrophy 4</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Progressive Retinal Atrophy, Golden Retriever 2</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd)</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Progressive Retinal Atrophy, Rod-Cone Dysplasia 4</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Pyruvate Kinase Deficiency (Labrador Retriever Type)</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Retinal Dysplasia/Oculoskeletal Dysplasia 1</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Skeletal Dysplasia 2</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Stargardt Disease</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 1)</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 2)</a>	WT/WT	<div>Normal (Clear)</div>
<a href="#">Von Willebrand Disease I</a>	WT/WT	<div>Normal (Clear)</div>

WT: 

wild type (normal)

 M: 

mutant

 Y: 

Y chromosome (male)

# Coat Colors & Traits

Trait Name	Geno.	Interpretation
<a href="#">A Locus (Agouti)</a>	a <sup>t</sup> /a <sup>t</sup>	Tricolor, black and tan
<a href="#">A<sup>s</sup> Locus (Saddle Tan)</a>	N/N	No saddle tan/creeping tan
<a href="#">B Locus (Brown)</a>	B/B	Black coat, nose and foot pads (does not carry brown)
<div><div><div>B Locus (Brown) - b<sup>a</sup></div><div>B Locus (Brown) - b<sup>c</sup></div><div>B Locus (Brown) - b<sup>d</sup></div><div>B Locus (Brown) - b<sup>h</sup></div><div>B Locus (Brown) - b<sup>e</sup></div><div>B Locus (Brown) - b<sup>s</sup></div></div><div><div>0</div><div>0</div><div>0</div><div>0</div><div>0</div><div>0</div></div><div></div></div>		

<a href="#">Brachycephaly.</a>	BR/br	Likely medium to long muzzle (short muzzle carrier)
<a href="#">Chondrodysplasia (CDPA).</a>	cd/cd	Likely typical leg length
<a href="#">Co Locus (Cocoa, French Bulldog Type).</a>	CO/CO	Black coat, nose and foot pads (does not carry cocoa)
<a href="#">Cu Locus (Curly Hair).</a>	Cu/Cu	Straight coat
<a href="#">D Locus (Dilute).</a>	D/D	Non-dilute (does not carry dilute)
<div><div>D Locus (Dilute) - d<sup>1</sup></div><div>D Locus (Dilute) - d<sup>2</sup></div><div>D Locus (Dilute) - d<sup>3</sup></div></div>		
<a href="#">E Locus</a>	e <sup>1</sup> /e <sup>1</sup>	Yellow/Red
<div><div>E Locus - E<sup>m</sup> (Melanistic Mask)</div><div>E Locus - E<sup>g</sup> (Grizzle, Afghan Hound Type)</div><div>E Locus - E<sup>h</sup> (Sable, Cocker Spaniel Type)</div><div>E Locus - e<sup>A</sup> (Ancient Red, Spitz and Scent Hound Type)</div><div>E Locus - e<sup>1</sup> (Yellow/Red)</div><div>E Locus - e<sup>2</sup> (Cream, Australian Cattle Dog Type)</div><div>E Locus - e<sup>3</sup> (White, Alaskan and Siberian Husky Type)</div></div>		
<a href="#">H Locus (Harlequin, Great Dane Type).</a>	h/h	No harlequin
<a href="#">Hairlessness</a>	Rh/Rh	Coated
<div><div>Hairlessness (American Hairless Terrier Type) - rh<sup>1</sup></div><div>Hairlessness (Scottish Deerhound Type) - rh<sup>2</sup></div></div>		
<a href="#">Hr Locus (FOXI3 Hairless Gene Test, Mexican Hairless, Peruvian Hairless and Chinese Crested Type).</a>	hr/hr	Coated
<a href="#">I Locus (Intensity).</a>	I/i	Normal intensity (carrier)
<a href="#">IC Locus (Improper Coat/Furnishings).</a>	F/F	Furnishings
<a href="#">K Locus (Dominant Black).</a>	K <sup>B</sup> /K <sup>B</sup>	No agouti expression allowed
<a href="#">L Locus (Long Hair/Fluffy).</a>	Lh <sup>1</sup> /Lh <sup>1</sup>	Longhaired (carries two copies of long hair)
<div><div>L Locus (Long Hair/Fluffy) - Lh<sup>1</sup></div><div>L Locus (Long Hair/Fluffy) - Lh<sup>2</sup></div><div>L Locus (Long Hair/Fluffy) - Lh<sup>3</sup></div><div>L Locus (Long Hair/Fluffy) - Lh<sup>4</sup></div></div>		
<a href="#">M Locus (Merle).</a>	m/m	Non merle

<a href="#">Polydactyly (Common Variant)</a>	pd/pd	Normal (typical) toes (likely no hind dewclaws)
<a href="#">Polydactyly (Great Pyrenees Type)</a>	WT/WT	Normal (Clear)
<a href="#">R Locus (Roan/Ticked)</a>	R <sup>Ti</sup> /r	Ticked (carries non-roan)
<div><div>R Locus (Roan/Ticked) - R<sup>Ti</sup></div><div>R Locus (Roan/Ticked) - R</div></div>		
<a href="#">S Locus (White Spotting, Parti, or Piebald)</a>	S/s <sup>P</sup>	Limited white spotting, flash, parti, or piebald (carrier)
<a href="#">SD Locus (Shedding)</a>	SD/SD	High shedding
<a href="#">Sex Determination</a>	X/X	Female
<a href="#">Social Behavior</a>	M/M; WT/WT	May demonstrate more social behavior
<div><div>Social Behavior, Variant 1</div><div>Social Behavior, Variant 2</div></div>		
<a href="#">T Locus (Natural Bobtail)</a>	t/t	Normal tail

WT: wild type (normal) M: mutant Y: Y chromosome (male)

Determinants of coat colors and traits are complex. Many of these variants are known and many of the genes screened in the Canine HealthCheck interact. In addition, not all the genetic factors that contribute to a dog’s coat color and traits are known. Because of the complexities in gene-gene interactions, the coat colors and traits reported in your Canine HealthCheck results may vary from your dog’s actual appearance. Individual differences in genes throughout the canine genome, not tested in this genetic screen, may also affect the final coat color or traits seen in your dog.

## Diseases

Disease Name	Geno.	Interpretation
<a href="#">Acral Mutilation Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Acute Respiratory Distress Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Adult Paroxysmal Dyskinesia</a>	WT/WT	Normal (Clear)
<a href="#">Afibrinogenemia (Dachshund Type)</a>	WT/WT	Normal (Clear)
<a href="#">Alaskan Husky Encephalopathy</a>	WT/WT	Normal (Clear)
<a href="#">Alaskan Malamute Polyneuropathy</a>	WT/WT	Normal (Clear)
<a href="#">Amelogenesis Imperfecta (Italian Greyhound Type)</a>	WT/WT	Normal (Clear)
<a href="#">Amelogenesis Imperfecta (Parson Russell Terrier Type)</a>	WT/WT	Normal (Clear)
<a href="#">Ataxia (Norwegian Buhund Type)</a>	WT/WT	Normal (Clear)



<a href="#">Benign Familial Juvenile Epilepsy.</a>	WT/WT	Normal (Clear)
<a href="#">Bernard-Soulier Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Canine Multiple System Degeneration (Chinese Crested Type).</a>	WT/WT	Normal (Clear)
<a href="#">Canine Multiple System Degeneration (Kerry Blue Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Canine Scott Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Cardiomyopathy and Juvenile Mortality.</a>	WT/WT	Normal (Clear)
<a href="#">Catalase Deficiency.</a>	WT/WT	Normal (Clear)
<a href="#">Centronuclear Myopathy.</a>	WT/WT	Normal (Clear)
<a href="#">Cerebellar Ataxia (Finnish Hound Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cerebellar Ataxia 1 (Belgian Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cerebellar Ataxia 2 (Belgian Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cerebellar Cortical Degeneration</a>	WT/WT	Normal (Clear)
<a href="#">Cerebellar Degeneration</a>	WT/WT	Normal (Clear)
<a href="#">Charcot-Marie-Tooth Disease</a>	WT/WT	Normal (Clear)
<a href="#">Chondrodysplasia (Karelian Bear Dog and Norwegian Elkhound Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cleft Palate and Syndactyly (Nova Scotia Duck Tolling Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Coagulation Factor VII Deficiency.</a>	WT/WT	Normal (Clear)
<a href="#">Collie Eye Anomaly.</a>	WT/WT	Normal (Clear)
<a href="#">Complement 3 Deficiency.</a>	WT/WT	Normal (Clear)
<a href="#">Cone Degeneration</a>	WT/WT	Normal (Clear)
<a href="#">Cone Degeneration (German Shepherd Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cone Degeneration (German Shorthaired Pointer Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cone Degeneration (Labrador Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Congenital Hypothyroidism with Goiter (Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Congenital Macrothrombocytopenia (Cairn and Norfolk Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Congenital Methemoglobinemia</a>	WT/WT	Normal (Clear)
<a href="#">Congenital Myasthenic Syndrome (Golden Retriever Type).</a>	WT/WT	Normal (Clear)

<a href="#">Congenital Myasthenic Syndrome (Jack Russell Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Congenital Myasthenic Syndrome (Labrador Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Congenital Myasthenic Syndrome (Old Danish Pointer Type).</a>	WT/WT	Normal (Clear)
<a href="#">Congenital Stationary Night Blindness</a>	WT/WT	Normal (Clear)
<a href="#">Copper Storage Disease</a>	WT/WT	Normal (Clear)
<a href="#">Craniomandibular Osteopathy.</a>	WT/WT	Normal (Clear)
<a href="#">Cyclic Neutropenia</a>	No Result	No Result
<a href="#">Cystinuria (Australian Cattle Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cystinuria (Labrador Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cystinuria (Miniature Pinscher Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cystinuria (Newfoundland Type).</a>	WT/WT	Normal (Clear)
<a href="#">Cystinuria Type 3 (Bulldog Type Risk Factor, Variant 3).</a>	WT/WT	Normal (Clear)
<a href="#">Cystinuria Type 3 (Bulldog Type Risk Factor, Variants 1 and 2).</a>	WT/WT	Normal (Clear)
Cystinuria Type 3 (Bulldog Type Risk Factor, Variant 1) Cystinuria Type 3 (Bulldog Type Risk Factor, Variant 2)	0 0	
<a href="#">Dandy-Walker-Like Malformation</a>	WT/WT	Normal (Clear)
<a href="#">Darier Disease and Associated Infundibular Cyst Formation</a>	WT/WT	Normal (Clear)
<a href="#">Deafness and Vestibular Dysfunction (Doberman Pinscher Type), Variant 2</a>	WT/WT	Normal (Clear)
<a href="#">Degenerative Myelopathy.</a>	WT/WT	Normal (Clear)
Degenerative Myelopathy (Bernese Mountain Dog Variant) Degenerative Myelopathy (Common Variant)	0 0	
<a href="#">Degenerative Myelopathy Early-Onset Risk Modifier (Pembroke Welsh Corgi Type).</a>	WT/WT	Normal (Clear)
<a href="#">Dental Hypomineralization</a>	WT/WT	Normal (Clear)
<a href="#">Diffuse Cystic Renal Dysplasia and Hepatic Fibrosis</a>	WT/WT	Normal (Clear)
<a href="#">Dilated Cardiomyopathy_(Doberman Pinscher Type Risk Factor, Variant 1).</a>	WT/WT	Normal (Clear)
<a href="#">Dilated Cardiomyopathy_(Doberman Pinscher Type Risk Factor, Variant 2).</a>	WT/WT	Normal (Clear)



<a href="#">Dilated Cardiomyopathy (Schnauzer Type).</a>	WT/WT	Normal (Clear)
<a href="#">Dry Eye Curly Coat Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Dystrophic Epidermolysis Bullosa (Basset Hound Type).</a>	WT/WT	Normal (Clear)
<a href="#">Dystrophic Epidermolysis Bullosa (Golden Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Early Onset Adult Deafness (Rhodesian Ridgeback Type).</a>	WT/WT	Normal (Clear)
<a href="#">Early Retinal Degeneration</a>	WT/WT	Normal (Clear)
<a href="#">Early-Onset Epilepsy (Parson Russell Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Ectodermal Dysplasia (Chesapeake Bay Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Ectodermal Dysplasia, X-Linked (Dachshund Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Ectodermal Dysplasia, X-Linked (Shepherd Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Ehlers-Danlos Syndrome (Doberman Pinscher Type).</a>	WT/WT	Normal (Clear)
<a href="#">Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1</a>	WT/WT	Normal (Clear)
<a href="#">Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2</a>	WT/WT	Normal (Clear)
<a href="#">Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2).</a>	WT/WT	Normal (Clear)
<div><div>Ehlers-Danlos Syndrome (Poodle Type), Variant 1</div><div>Ehlers-Danlos Syndrome (Poodle Type), Variant 2</div><div>0</div><div>0</div></div>		
<a href="#">Elliptocytosis</a>	WT/WT	Normal (Clear)
<a href="#">Epidermolytic Hyperkeratosis</a>	WT/WT	Normal (Clear)
<a href="#">Episodic Falling Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Exercise-Induced Collapse</a>	WT/WT	Normal (Clear)
<a href="#">Exfoliative Cutaneous Lupus Erythematosus (ECLE).</a>	WT/WT	Normal (Clear)
<a href="#">Factor XI Deficiency.</a>	WT/WT	Normal (Clear)
<a href="#">Familial Nephropathy (Cocker Spaniel Type).</a>	WT/WT	Normal (Clear)
<a href="#">Familial Nephropathy (English Springer Spaniel Type).</a>	WT/WT	Normal (Clear)
<a href="#">Fucosidosis</a>	WT/WT	Normal (Clear)
<a href="#">Gallbladder Mucocelas</a>	WT/WT	Normal (Clear)
<a href="#">Glanzmann's Thrombasthenia (Great Pyrenees Type).</a>	WT/WT	Normal (Clear)

<a href="#">Glanzmann's Thrombasthenia (Otterhound Type).</a>	WT/WT	Normal (Clear)
<a href="#">Glaucoma (Border Collie Type).</a>	WT/WT	Normal (Clear)
<a href="#">Globoid Cell Leukodystrophy (Irish Setter Type).</a>	WT/WT	Normal (Clear)
<a href="#">Globoid Cell Leukodystrophy (Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Glycogen Storage Disease Ia</a>	WT/WT	Normal (Clear)
<a href="#">Glycogen Storage Disease IIIa</a>	WT/WT	Normal (Clear)
<a href="#">Glycogen Storage Disease VII (Wachtelhund Type).</a>	WT/WT	Normal (Clear)
<a href="#">Glycogen Storage Disease VII, PFK Deficiency.</a>	WT/WT	Normal (Clear)
<a href="#">GM1 Gangliosidosis (Alaskan Husky Type).</a>	WT/WT	Normal (Clear)
<a href="#">GM1 Gangliosidosis (Portuguese Water Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">GM1 Gangliosidosis (Shiba Inu Type).</a>	WT/WT	Normal (Clear)
<a href="#">GM2 Gangliosidosis (Japanese Chin Type).</a>	WT/WT	Normal (Clear)
<a href="#">GM2 Gangliosidosis (Poodle Type).</a>	WT/WT	Normal (Clear)
<a href="#">GM2 Gangliosidosis (Shiba Inu Type).</a>	WT/WT	Normal (Clear)
<a href="#">Greyhound Polyneuropathy.</a>	WT/WT	Normal (Clear)
<a href="#">Hemophilia A (Boxer Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hemophilia A (German Shepherd Dog, Type 1).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hemophilia A (German Shepherd Dog, Type 2).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hemophilia A (Rhodesian Ridgeback Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hemophilia B (Cairn Terrier Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hemophilia B (Lhasa Apso Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hemophilia B (Rhodesian Ridgeback Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hereditary Ataxia (Australian Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Hereditary Cataracts (Australian Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Hereditary Cataracts</a>	WT/WT	Normal (Clear)
<a href="#">Hereditary Cataracts (Wirehaired Pointing Griffon Type).</a>	WT/WT	Normal (Clear)
<a href="#">Hereditary Footpad Hyperkeratosis (Irish Terrier and Kromfohrländer Type).</a>	WT/WT	Normal (Clear)
<a href="#">Hereditary Footpad Hyperkeratosis (Rottweiler Type).</a>	WT/WT	Normal (Clear)
<a href="#">Hereditary Nasal Parakeratosis (Greyhound Type).</a>	WT/WT	Normal (Clear)

<a href="#">Hereditary Nasal Parakeratosis (Labrador Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Hereditary Nephritis (Samoyed Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Hyperuricosuria</a>	WT/WT	Normal (Clear)
<a href="#">Hypomyelination (Weimaraner Type).</a>	WT/WT	Normal (Clear)
<a href="#">Ichthyosis (American Bulldog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Ichthyosis (Golden Retriever Type 1).</a>	WT/WT	Normal (Clear)
<a href="#">Ichthyosis (Golden Retriever Type 2).</a>	WT/WT	Normal (Clear)
<a href="#">Ichthyosis (Great Dane Type).</a>	WT/WT	Normal (Clear)
<a href="#">Ichthyosis (Jack Russell Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Inflammatory Myopathy (Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Inherited Myopathy of Great Danes</a>	WT/WT	Normal (Clear)
<a href="#">Intervertebral Disc Disease Risk Factor and Chondrodystrophy (CDDY with IVDD).</a>	WT/WT	Normal (Clear)
<a href="#">Intestinal Cobalamin Malabsorption (Beagle Type).</a>	WT/WT	Normal (Clear)
<a href="#">Intestinal Cobalamin Malabsorption (Border Collie Type).</a>	WT/WT	Normal (Clear)
<a href="#">Intestinal Cobalamin Malabsorption (Giant Schnauzer Type).</a>	WT/WT	Normal (Clear)
<a href="#">Intestinal Lipid Malabsorption</a>	WT/WT	Normal (Clear)
<a href="#">Junctional Epidermolysis Bullosa (Australian Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Juvenile Laryngeal Paralysis and Polyneuropathy (Black Russian Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Juvenile Myoclonic Epilepsy (Rhodesian Ridgeback Type).</a>	WT/WT	Normal (Clear)
<a href="#">L-2-Hydroxyglutaric Aciduria (Staffordshire Bull Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">L-2-Hydroxyglutaric Aciduria (Yorkshire Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Lagotto Storage Disorder</a>	WT/WT	Normal (Clear)
<a href="#">Laryngeal Paralysis and Polyneuropathy (Leonberger Type 3).</a>	WT/WT	Normal (Clear)
<a href="#">Late Onset Ataxia</a>	WT/WT	Normal (Clear)
<a href="#">Lethal Acrodermatitis</a>	WT/WT	Normal (Clear)
<a href="#">Leukocyte Adhesion Deficiency, Type I</a>	WT/WT	Normal (Clear)

<a href="#">Leukocyte Adhesion Deficiency, Type III</a>	WT/WT	Normal (Clear)
<a href="#">Ligneous Membranitis</a>	WT/WT	Normal (Clear)
<a href="#">Limb-Girdle Muscular Dystrophy (Dachshund Type)</a>	WT/WT	Normal (Clear)
<a href="#">Lundehund Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Macular Corneal Dystrophy (Labrador Retriever Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mammary Tumors (English Springer Spaniel Type Risk Factor)</a>	WT/WT	Normal (Clear)
<a href="#">May-Hegglin Anomaly</a>	WT/WT	Normal (Clear)
<a href="#">Microphthalmia (Soft Coated Wheaten Terrier Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis I (Boston Terrier Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis I (Plott Hound Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis IIIA (Dachshund Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis IIIA (New Zealand Huntaway Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis IIIB (Schipperke Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis VI (Miniature Schnauzer Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis VII (Brazilian Terrier Type)</a>	WT/WT	Normal (Clear)
<a href="#">Mucopolysaccharidosis VII (Shepherd Type)</a>	WT/WT	Normal (Clear)
<a href="#">Multidrug Resistance 1</a>	WT/WT	Normal (Clear)
<a href="#">Multifocal Retinopathy 1</a>	WT/WT	Normal (Clear)
<a href="#">Multifocal Retinopathy 2</a>	WT/WT	Normal (Clear)
<a href="#">Multifocal Retinopathy 3</a>	WT/WT	Normal (Clear)
<a href="#">Muscular Dystrophy (Golden Retriever Type)</a>	WT/WT	X-Linked Female Normal
<a href="#">Musladin-Lueke Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Myostatin Deficiency (Whippet Type)</a>	WT/WT	Normal (Clear)
<a href="#">Myotonia Congenita (Australian Cattle Dog Type)</a>	WT/WT	Normal (Clear)
<a href="#">Myotonia Congenita (Labrador Retriever Type)</a>	WT/WT	Normal (Clear)
<a href="#">Myotonia Congenita (Schnauzer Type)</a>	WT/WT	Normal (Clear)
<a href="#">Myotubular Myopathy 1 (Boykin Spaniel Type)</a>	WT/WT	X-Linked Female Normal
<a href="#">Myotubular Myopathy 1 (Labrador Retriever Type)</a>	WT/WT	X-Linked Female Normal
<a href="#">Myotubular Myopathy 1 (Rottweiler Type)</a>	WT/WT	X-Linked Female Normal

<a href="#">Narcolepsy_(Dachshund Type).</a>	WT/WT	Normal (Clear)
<a href="#">Narcolepsy_(Doberman Pinscher Type).</a>	WT/WT	Normal (Clear)
<a href="#">Narcolepsy_(Labrador Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neonatal Ataxia</a>	WT/WT	Normal (Clear)
<a href="#">Neonatal Cerebellar Cortical Degeneration</a>	WT/WT	Normal (Clear)
<a href="#">Neonatal Encephalopathy with Seizures</a>	WT/WT	Normal (Clear)
<a href="#">Neuroaxonal Dystrophy_(Giant Schnauzer Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuroaxonal Dystrophy_(Papillon Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuroaxonal Dystrophy_(Rottweiler Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuroaxonal Dystrophy_(Spanish Water Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis_(Tibetan Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 1_(Cane Corso Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 1</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 10</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 12</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 2</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 4A</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 5_(Golden Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 5_(Herding Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 6</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 7</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 8_(Australian Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Neuronal Ceroid Lipofuscinosis 8_(Setter Type).</a>	WT/WT	Normal (Clear)
<a href="#">Nonsyndromic Hearing Loss_(Rottweiler Type).</a>	WT/WT	Normal (Clear)
<a href="#">Oculocutaneous Albinism_(Doberman Pinscher Type).</a>	WT/WT	Normal (Clear)
<a href="#">Oculocutaneous Albinism_(Small Breed Type).</a>	WT/WT	Normal (Clear)
<a href="#">Osteochondrodysplasia</a>	WT/WT	Normal (Clear)
<a href="#">Osteogenesis Imperfecta_(Beagle Type).</a>	WT/WT	Normal (Clear)
<a href="#">Osteogenesis Imperfecta_(Dachshund Type).</a>	WT/WT	Normal (Clear)

<a href="#">Osteogenesis Imperfecta (Golden Retriever Type).</a>	WT/WT	Normal (Clear)
<a href="#">P2RY12 Receptor Platelet Disorder</a>	WT/WT	Normal (Clear)
<a href="#">Pancreatitis (Miniature Schnauzer Type Risk Factor).</a>	WT/M	Carrier (No increased risk)
<div><div>Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 1</div><div>Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 2</div><div>Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 3</div></div>		
<a href="#">Pembroke Welsh Corgi Duchenne Muscular Dystrophy.</a>	WT/WT	X-Linked Female Normal
<a href="#">Persistent Müllerian Duct Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Pituitary Dwarfism (Shepherd Type).</a>	WT/WT	Normal (Clear)
<a href="#">Polyneuropathy_(Leonberger Type 1).</a>	WT/WT	Normal (Clear)
<a href="#">Polyneuropathy_(Leonberger Type 2).</a>	WT/WT	Normal (Clear)
<a href="#">Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation</a>	WT/WT	Normal (Clear)
<a href="#">Pompe Disease</a>	WT/WT	Normal (Clear)
<a href="#">Prekallikrein Deficiency.</a>	WT/WT	Normal (Clear)
<a href="#">Primary Ciliary Dyskinesia (Alaskan Malamute Type).</a>	WT/WT	Normal (Clear)
<a href="#">Primary Ciliary Dyskinesia (Old English Sheepdog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Primary Hyperoxaluria</a>	WT/WT	Normal (Clear)
<a href="#">Primary Lens Luxation</a>	WT/WT	Normal (Clear)
<a href="#">Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type).</a>	WT/WT	Normal (Clear)
<a href="#">Primary Open Angle Glaucoma (Basset Hound Type).</a>	WT/WT	Normal (Clear)
<a href="#">Primary Open Angle Glaucoma</a>	WT/WT	Normal (Clear)
<a href="#">Primary Open Angle Glaucoma (Norwegian Elkhound Type).</a>	WT/WT	Normal (Clear)
<a href="#">Primary Open Angle Glaucoma and Primary Lens Luxation (Shar Pei Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy_(Basenji Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy_(Bullmastiff/Mastiff Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy_(Giant Schnauzer Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy_(Irish Setter Type).</a>	WT/WT	Normal (Clear)



<a href="#">Progressive Retinal Atrophy_(Shetland Sheepdog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy_(Sloughi Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Cone-Rod Dystrophy.(Dachshund Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Cone-Rod Dystrophy 3 (Glen of Imaal Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Cone-Rod Dystrophy 4</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Early Onset (Spanish Water Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Early-Onset (Portuguese Water Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Generalized (Schapendoes Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Golden Retriever 1</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Golden Retriever 2</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Late-Onset (Lapponian Herder Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, PRA1 (Papillon Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Rod-Cone Dysplasia 3</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Rod-Cone Dysplasia 4</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, Syndromic Retinal Degeneration (Shetland Sheepdog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Progressive Retinal Atrophy, X-Linked 1 (Husky Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Progressive Retinal Atrophy, X-linked 2</a>	WT/WT	X-Linked Female Normal
<a href="#">Protein Losing Nephropathy.</a>	WT/WT, WT/WT	Normal (Clear) - No Increased Risk
<div><div>Protein Losing Nephropathy (Variant 1)</div><div>Protein Losing Nephropathy (Variant 2)</div></div>		

<a href="#">Pyruvate Dehydrogenase Deficiency.</a>	WT/WT	Normal (Clear)
<a href="#">Pyruvate Kinase Deficiency_(Basenji_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Pyruvate Kinase Deficiency_(Beagle_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Pyruvate Kinase Deficiency_(Labrador Retriever_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Pyruvate Kinase Deficiency_(Pug_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Pyruvate Kinase Deficiency_(Terrier_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Recurrent Inflammatory Pulmonary Disease</a>	WT/WT	Normal (Clear)
<a href="#">Renal Cystadenocarcinoma and Nodular Dermatofibrosis</a>	WT/WT	Normal (Clear)
<a href="#">Retinal Dysplasia/Oculoskeletal Dysplasia 1</a>	WT/WT	Normal (Clear)
<a href="#">Retinal Dysplasia/Oculoskeletal Dysplasia 2</a>	WT/WT	Normal (Clear)
<a href="#">Sensory Neuropathy_(Border Collie_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Severe Combined Immunodeficiency Disease_(Terrier_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Severe Combined Immunodeficiency Disease_(Wetterhoun_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Severe Combined Immunodeficiency Disease, X-Linked_(Basset Hound_Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Severe Combined Immunodeficiency Disease, X-Linked_(Corgi_Type).</a>	WT/WT	X-Linked Female Normal
<a href="#">Shar-Pei Autoinflammatory Disease</a>	WT/WT	Normal (Clear)
<a href="#">Skeletal Dysplasia 2</a>	WT/WT	Normal (Clear)
<a href="#">Spinal Dysraphism</a>	WT/WT	Normal (Clear)
<a href="#">Spinocerebellar Ataxia_(Alpine Dachsbrake_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Spinocerebellar Ataxia_(Terrier_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Spondylocostal Dysostosis</a>	WT/WT	Normal (Clear)
<a href="#">Stargardt Disease</a>	WT/WT	Normal (Clear)
<a href="#">Startle Disease</a>	WT/WT	Normal (Clear)
<a href="#">Subacute Necrotizing Encephalopathy_(Yorkshire Terrier_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Thrombopathia_(American Eskimo Dog_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Thrombopathia_(Basset Hound_Type).</a>	WT/WT	Normal (Clear)
<a href="#">Thrombopathia_(Newfoundland_Type).</a>	WT/WT	Normal (Clear)

<a href="#">Trapped Neutrophil Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 1).</a>	WT/WT	Normal (Clear)
<a href="#">Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 2).</a>	WT/WT	Normal (Clear)
<a href="#">Urolithiasis (Native American Indian Dog Type).</a>	WT/WT	Normal (Clear)
<a href="#">Van Den Ende-Gupta Syndrome</a>	WT/WT	Normal (Clear)
<a href="#">Von Willebrand Disease I</a>	WT/WT	Normal (Clear)
<a href="#">Von Willebrand Disease II</a>	WT/WT	Normal (Clear)
<a href="#">Von Willebrand Disease III (Kooikerhondje Type).</a>	WT/WT	Normal (Clear)
<a href="#">Von Willebrand Disease III (Scottish Terrier Type).</a>	WT/WT	Normal (Clear)
<a href="#">Von Willebrand Disease III (Shetland Sheepdog Type).</a>	WT/WT	Normal (Clear)

WT: wild type (normal) M: mutant Y: Y chromosome (male)





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Associate Laboratory Director

Medical Director

Canine HealthCheck® is a product of Paw Print Genetics®. This test was developed and its performance determined by Paw Print Genetics. This laboratory has established and verified the test's accuracy and precision with >99% sensitivity and specificity. The results included in this report relate only to the items tested using the sample provided. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a diagnostic test. This is not a breed identification test. Because all tests are DNA-based, rare genomic variations may interfere with the performance of some individual tests producing false results. If you think any results are in error, please contact the laboratory for further evaluation.

## Paw Print DNA Profiling™ Certificate

<b>Call Name:</b>	Ruby	<b>Laboratory #:</b>	442204
<b>Registered Name:</b>	Discovery Tails Princess Scarlett Ruby	<b>Registration #:</b>	-
<b>Breed:</b>	Australian Labradoodle	<b>Microchip #:</b>	956000015121688
<b>Sex:</b>	Male	<b>Certificate Date:</b>	April 22, 2024
<b>DOB:</b>	Jan. 2024		



This certificate displays a graphical representation  
of your dog's unique DNA profile



Paw Print Genetics® performed testing on the dog listed on this certificate. The results included in this report relate only to the items tested using the sample provided. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the test's accuracy and precision with >99.9% sensitivity and specificity. The presence of mosaicism may not be detected by this test. This is not a breed identification test. Because this test is a DNA-based method, rare genomic variations may occur 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.