Welcome,
**Dana Logan**
dana@dvmgroup.com



# Canine HealthCheck

## Demographic Information

| | | | |
|---|---|---|---|
| Call Name | Silver Rio | DOB | August 4 2004 |
| Registered Name | Dora's Leonard Ivy | Registration | |
| Sex | Spayed Female | Microchip | 981020004 |
| Breed | Cocker Spaniel | Tattoo | |
| Owner | Dana Logan | Microchip Location # | |
| | | Report Date | 9/28/2021 12:00 |

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

## Explanation of Results

| | |
|---|---|
| Normal/ Wild Type | A Normal/ wild type result does not have the mutation that causes the associated genetic disease. |
| Carrier | A Carrier result indicates that your dog is heterozygous for a gene mutation that has been reported to cause this genetic disease. You dog may not be clinically affected by this mutation but can pass the mutation on to its offspring and may produce affected puppies. |
| At Risk / Affected | A At Risk / Affected result indicates that your dog has two copies of the mutation that is reported to cause this genetic disease. Based on the number of genetic mutations for the particular disease, your dog may be affected by the disease or may be a carrier. Breeding dogs that are At Risk / Affected should not be bred to other carriers of the gene that causes the genetic disease. |
| No Result | No Result indicates that your dog was unable to obtain a genotype for your dog for this specific disease. Reasons for this may include that the sample submitted was not of sufficient quality to run the test, or that the sample sent was not the right sample for your test provided. Unfortunately at such, a result cannot be provided. Please contact your veterinarian or Paw Print Genetics® if you have questions about why your dog did not have a result for this specific test. In addition, individual sensitivity of the dog's cheek cells, could also result in a given sample not being sufficient for testing with our current methods. Unfortunately, this is a limitation of the technology. It is possible that a sample with a result for one disease may not have a result for other diseases that are tested. Please contact your veterinarian or Paw Print Genetics® if you have questions about why your dog did not have a result for one or more genetic tests. Unfortunately, this is an unacceptable level of test which to results, you will be contacted for a new sample to repeat the testing. |

Please review our testing terms and conditions regarding your results.

Report Type: Vet Report Print

MT - Mitochondrial MR - Metabolic CT - Chromosomal

## Breed Profile

| Disease Name | Genotype | Interpretation |
|---|---|---|
| Dermatomyositis (Pseudo) | MT/MT | Normal (Clear) |
| Canine Degenerative Myelopathy Retriever Type | MT/MT | Normal (Clear) |
| Congenital Hypothyroidism Goldendoodle Retriever Type | MT/MT | Normal (Clear) |
| Cystinuria Labrador Retriever Type | MT/MT | Normal (Clear) |
| Degenerative Myelopathy | MT/MT | Normal (Clear) |
| Degenerative Myelopathy Mixed Breed Dog Test Panel Degenerative Myelopathy (Common Variant) | MT/MT | Normal (Clear) |
| Hereditary Cataracts | MT/MT | Normal (Clear) |
| Exercise Induced Collapse | MT/MT | Normal (Clear) |
| Familial Nephropathy (Cocker Spaniel Type) | MT/MT | Normal (Clear) |
| Gallbladder Mucocele | MT/MT | Normal (Clear) |
| Glycogen Storage Disease VII, PFK Deficiency | MT/MT | Normal (Clear) |
| GM2 Gangliosidosis (Purple Type) | MT/MT | Normal (Clear) |
| Hemolytic Cataracts | MT/MT | Normal (Clear) |
| Hereditary Nasal Parakeratosis (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Hyperuricosuria | MT/MT | Normal (Clear) |
| Lafora Epilepsy (Cocker Type) | MT/MT | Normal (Clear) |
| Leukoencephalopathy Disease Brain Focal and Cerebellopathy (FCE with NSD) | MT/MT | Normal (Clear) |
| Myotonic Chondrodystrophy (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Multifocal Retinopathy 2 | MT/MT | Normal (Clear) |
| Myotonia Congenita (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Pancreatic Hypoplasia 1 (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Pancreatic Hypoplasia (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Neonatal Encephalopathy with Seizures | MT/MT | Normal (Clear) |
| Osteochondrodysplasia | MT/MT | Normal (Clear) |
| Progressive Retinal Atrophy, Crd4-Rod Dysplasia | MT/MT | Normal (Clear) |
| Progressive Retinal Atrophy, Golden Retriever Type | MT/MT | Normal (Clear) |
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration prcd | MT/MT | Normal (Clear) |
| Progressive Retinal Atrophy, Rod Cone Dysplasia 4 | MT/MT | Normal (Clear) |
| Pyruvate Kinase Deficiency (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Retinal Dysplasia (Frontonasal Dysplasia) 1 | MT/MT | Normal (Clear) |
| Skeletal Dysplasia 2 | MT/MT | Normal (Clear) |
| Vonwillebrand Disease | MT/MT | Normal (Clear) |
| Ultra3 Congenital Renal Dysplasia (Labrador Retriever Type 2) | MT/MT | Normal (Clear) |
| Ultra4 Congenital Renal Dysplasia (Labrador Retriever Type 2) | MT/MT | Normal (Clear) |
| Von Willebrand Disease | MT/MT | Normal (Clear) |

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## Coat Colors & Traits

| Trait Name | Genotype | Interpretation |
|---|---|---|
| A Locus (Agouti) | a/a/ | Tan/pale (black and tan) |
| A* Locus (Sable Tan) | A/a/ | No sable tan/a carrying sable |
| B Locus (Brown) | B/b or b/b/ | Black or chocolate (with black and brown pigment in the eyes and nose pigmented) |
| Brachycephalic | BR/BR | Likely medium to long muzzle |
| Chondrodystrophy (CDPA) | cd/cd | Likely typical leg length |
| D Locus (Dilute, Phase Building Type) | DD/DD | Blue, dark, silver and fawn (dilute) |
| D Locus (Curly Hair) | Cu/Cu | Straight coat |
| E Locus (Dilute) | D/D | Non-dilute (does not carry dilute) |
| E Locus | e*/e* | Yellow/Red |
| E Locus - 5' Alternate Upstream Variant 1 | n | |
| E Locus - 5' Alternate Upstream Variant 2 | n | |
| E Locus - 5' Alternate Upstream Variant 3 | n | |
| E Locus - 5' Alternate Upstream Variant 4 | n | |
| E Locus - 5' Alternate Upstream Variant 5 | n | |
| E Locus - 5' Alternate Upstream Variant 6 | n | |
| E Locus - 5' Alternate Upstream Variant 7 | n | |
| E Locus - 5' Alternate Upstream Variant 8 | n | |
| E Locus Haplotype, Solid Color Type | n/n | No haplotype |
| Dalmatian | Ay/Ay | Coated |
| Melanocyte Stimulating Hormone Receptor Variant 1 (MC1R) Melanocyte Stimulating Hormone Receptor Variant 2 (MC1R) | n/n/n/n | Coated |
| E Locus (Merle) | n/n | Non merle |
| Pheomelanin (Common Variant) | n/n/n/n | Normal Agouti (Non Sable Tan, Non Brindle) |
| Pheomelanin (Extra Copy) | n/n | Normal (Clear) |
| E Locus (Brindle) | n/n | Normal (Clear) |
| E Locus (Brindle Spotting Pattern, or Pattern) | E/E | Brindle spotting Pattern, with or without |
| M Locus (Shedding) | m/m/ | Moderate shedding |
| Sex (Determination) | n/n | Male |
| Facial Behavior | M/M/M/ MT/MT | Wild, dolichocephalic mask (wolf-like) |
| Facial Behavior Variant 1 (Longitudinal Sulcus) | n | |
| Facial Behavior Variant 2 | n | |
| Facial Behavior Variant 3 | n/n | Normal full |

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Determination of coat colors and traits are complex. Many of these variants are known and many of the genes connected to these traits are well understood. However, there may be other genes that have not been discovered that may influence these traits. Because of this, the genotypes reported may not always correspond to the phenotype (appearance) of your dog. Paw Print Genetics® therefore cannot guarantee the accuracy of the results and interpretations. Individual differences in genes throughout the canine genome, and interactions among genes, may also affect the final coat color or other trait phenotypes.

## Diseases

| Disease Name | Genotype | Interpretation |
|---|---|---|
| Acral Mutilation Syndrome | MT/MT | Normal (Clear) |
| Acute Neuropathic Distress Syndrome | MT/MT | Normal (Clear) |
| Adult Neuronal Ceroidlipofuscinosis | MT/MT | Normal (Clear) |
| Alkaloidosis (Dachshund Type) | MT/MT | Normal (Clear) |
| Alpha Mannosidosis (Lysosomal) | MT/MT | Normal (Clear) |
| Alveolar Histiocytic Fibrosarcomas | MT/MT | Normal (Clear) |
| Amelogenesis Imperfecta (Dachshund Type) | MT/MT | Normal (Clear) |
| Amelogenesis Imperfecta (Parson Russell Terrier Type) | MT/MT | Normal (Clear) |
| Anasarca (Hemangiosarcoma Type) | MT/MT | Normal (Clear) |
| Anophthalmia (Open Eye Dachshund Type) | MT/MT | Normal (Clear) |
| Anophthalmia Imperfecta (Parson Russell Terrier Type) | MT/MT | Normal (Clear) |
| Anosmia (Hemangiosarcoma Type) | MT/MT | Normal (Clear) |
| Arrhythmogenic Right Ventricular Cardiomyopathy | MT/MT | Normal (Clear) |
| Bernard Soulier Syndrome | MT/MT | Normal (Clear) |
| Canine Multifocal Systemic Degeneration (Chinese Shar-Pei) | MT/MT | Normal (Clear) |
| Canine Multifocal Systemic Degeneration (Akita Shiba Inu Type) | MT/MT | Normal (Clear) |
| Canine Scid Syndrome | MT/MT | Normal (Clear) |
| Cardiomyopathy and Juvenile Mortality | MT/MT | Normal (Clear) |
| Cataract (Ichthyosis) | MT/MT | Normal (Clear) |
| Centronuclear Myopathy | MT/MT | Normal (Clear) |
| Ceroidlipofuscinosis Neuronal Type 2 | MT/MT | Normal (Clear) |
| Ceroidlipofuscinosis Neuronal Type 5 (Belgian Shepherd Type) | MT/MT | Normal (Clear) |
| Ceroidlipofuscinosis Neuronal Type 7 (Belgian Shepherd Type) | MT/MT | Normal (Clear) |
| Ceroidlipofuscinosis Neuronal Type 8 | MT/MT | Normal (Clear) |
| Cerebellar Degeneration | MT/MT | Normal (Clear) |
| Chronic Bone Tissue Disease | MT/MT | Normal (Clear) |
| Chondrodysplasia (Brown Bear Dog and Norwegian Elkhound Type) | MT/MT | Normal (Clear) |
| Cleft Palate and Dysplasia (Nova Scotia Duck Tolling Retriever Type) | MT/MT | Normal (Clear) |
| Coagulopathy Factor VII Deficiency | MT/MT | Normal (Clear) |
| Collie Eye Anomaly | MT/MT | Normal (Clear) |
| Complement 3 Deficiency | MT/MT | Normal (Clear) |
| Cone Degeneration | MT/MT | Normal (Clear) |
| Cone Degeneration (German Shepherd Dog Type) | MT/MT | Normal (Clear) |
| Cone Degeneration (Cocker Spaniel Type) | MT/MT | Normal (Clear) |
| Cone Degeneration (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Congenital Hypothyroidism with Goiter (Terrier Type) | MT/MT | Normal (Clear) |
| Congenital Hypothyroidism (Japanese Early and Mixed Breed Terrier Type) | MT/MT | Normal (Clear) |
| Congenital Hydrocephalus | MT/MT | Normal (Clear) |
| Congenital Myasthenic Syndrome (Golden Retriever Type) | MT/MT | Normal (Clear) |
| Congenital Myasthenic Syndrome (Jack Russell Terrier Type) | MT/MT | Normal (Clear) |
| Congenital Myasthenic Syndrome (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Congenital Myasthenic Syndrome (Old English Sheepdog Type) | MT/MT | Normal (Clear) |
| Congenital Nystagmus Night Blindness | MT/MT | Normal (Clear) |
| Copper Storage Disease | MT/MT | Normal (Clear) |
| Craniomandibular Osteopathy | MT/MT | Normal (Clear) |
| Cyclic Neutropenia | No Result | No Result |
| Cystinuria (Australian Cattle Dog Type) | MT/MT | Normal (Clear) |
| Cystinuria (Labrador Retriever Type) | MT/MT | Normal (Clear) |
| Cystinuria (Miniature Poodle Type) | MT/MT | Normal (Clear) |
| Cystinuria (Newfoundland Type) | MT/MT | Normal (Clear) |
| Cystinuria Type 2 (Bulldog Type Red Factor, Tan/pale) | MT/MT | Normal (Clear) |
| Cystinuria Type 2 (Bulldog Type Red Factor, Sable/b/ 1 and 2) | MT/MT | Normal (Clear) |
| Cystinuria Type 2 (Bulldog Type Red Factor, Sable/b/ 3 and 4) | MT/MT | Normal (Clear) |
| Cystinuria Type 2 (Bulldog Type Red Factor, Sable/b/ 5 and 6) | MT/MT | Normal (Clear) |
| Dandy Walker Like Malformation | MT/MT | Normal (Clear) |
| Canine Glaucoma and Associated Intraocular Cell Hyperplasia | MT/MT | Normal (Clear) |
| Deafness and Vestibular Dysfunction (Dalmatian Type) | MT/MT | Normal (Clear) |
| Degenerative Myelopathy | MT/MT | Normal (Clear) |
| Degenerative Myelopathy Mixed Breed Dog Test Panel Degenerative Myelopathy (Common Variant) | MT/MT | Normal (Clear) |
| Degenerative Myelopathy Early Onset Mixed Breeds (Pembroke Welsh Corgi Type) | MT/MT | Low Risk (Carrier - Not Affected) |
| Dental Hypomineralization | MT/MT | Normal (Clear) |
| Diffuse Liver Fibrosis/Hepatic and Hepatic Fibrosis | MT/MT | Normal (Clear) |
| Dilated Cardiomyopathy (Doberman Pinscher Type, Red Factor, Variant 1) | MT/MT | Normal (Clear) |
| Dilated Cardiomyopathy (Doberman Pinscher Type, Red Factor, Variant 2) | MT/MT | Normal (Clear) |
| Dilated Cardiomyopathy (Schnauzer Type) | MT/MT | Normal (Clear) |
| Dm Ear Canal Cyst Syndrome | MT/MT | Normal (Clear) |
| Dominant Spondylocostal Dysplasia (Basenji Type) | MT/MT | Normal (Clear) |
| Dominant Spondylocostal Dysplasia (Miniature Bull Terrier Type) | MT/MT | Normal (Clear) |
| Early Retinal Degeneration | MT/MT | Normal (Clear) |
| Early Onset Cataracts (Parson Russell Terrier Type) | MT/MT | Normal (Clear) |
| Exudative Epidermitis (Chinese Shar-Pei Type) | MT/MT | Normal (Clear) |
| Ectodermal Dysplasia, X-Linked (Dachshund Type) | MT/X | X-Linked Male Normal |
| Ectodermal Dysplasia, X-Linked (Shepherd Type) | MT/X | X-Linked Male Normal |
| Ehlers Danlos Syndrome (Dalmatian Recessive Type) | MT/MT | Normal (Clear) |
| Ehlers Danlos Syndrome (Labrador Retriever Type) Variant 1 | MT/MT | Normal (Clear) |
| Ehlers Danlos Syndrome (Basenji Type) Variant 1 | MT/MT | Normal (Clear) |
| Ehlers Danlos Syndrome (Basenji Type) Variant 2 | MT/MT | Normal (Clear) |
| Ehlers Danlos Syndrome (Basenji Type, Variants 1 and 2) | MT/MT | Normal (Clear) |
| Ehlers Danlos Syndrome (Basenji Type) Variant 3 | MT/MT | Normal (Clear) |
| Elliptocytosis | MT/MT | Normal (Clear) |
| Endometrial Hyperplasia | MT/MT | Normal (Clear) |
| Episodic Falling Syndrome | MT/MT | Normal (Clear) |
| Exercise Induced Collapse | MT/MT | Normal (Clear) |
| Exfoliative Cutaneous Lupus Erythematosus (ECLE) | MT/MT | Normal (Clear) |
| Factor XII Deficiency | MT/MT | Normal (Clear) |
| Familial Nephropathy (Cocker Spaniel Type) | MT/MT | Normal (Clear) |
| Familial Nephropathy (English Springer Spaniel Type) | MT/MT | Normal (Clear) |
| Fucosidosis | MT/MT | Normal (Clear) |
| Gallbladder Mucocele | MT/MT | Normal (Clear) |
| Glycogenosis Thrombocytopathia (Great Dane Type) | MT/MT | Normal (Clear) |
| Glycogenosis Thrombocytopathia (Dachshund Type) | MT/MT | Normal (Clear) |
| Glaucoma (Border Collie Type) | MT/MT | Normal (Clear) |
| Globoid Cell Leukodystrophy (Cairn Terrier Type) | MT/MT | Normal (Clear) |
| Globoid Cell Leukodystrophy (Terrier Type) | MT/MT | Normal (Clear) |
| Glycogen Storage Disease Ia | MT/MT | Normal (Clear) |
| Glycogen Storage Disease IIIa | MT/MT | Normal (Clear) |
| Glycogen Storage Disease VII, PFK Deficiency | MT/MT | Normal (Clear) |
| Glycogen Storage Disease VII, PFK Deficiency | MT/MT | Normal (Clear) |
| GM1 Gangliosidosis (Portuguese Water Dog Type) | MT/MT | Normal (Clear) |
| GM1 Gangliosidosis (Shiba Inu Type) | MT/MT | Normal (Clear) |
| GM1 Gangliosidosis (Japanese Chin Type) | MT/MT | Normal (Clear) |
| GM2 Gangliosidosis (Purple Type) | MT/MT | Normal (Clear) |
| GM2 Gangliosidosis (Shiba Inu Type) | MT/MT | Normal (Clear) |
| Goniodysplasia (Poodle Type) | MT/MT | Normal (Clear) |
| Hemolytic A Erythrocyte Phenotype | MT/MT | Normal (Clear) |
| Hemolytic A Erythrocyte Dinucleotide Deletion Type | MT/X | X-Linked Male Normal |
| Hemolytic A Erythrocyte Missense Mutation Type | MT/X | X-Linked Male Normal |
| Hemolytic A/Cat Antibodies Type | MT/X | X-Linked Male Normal |
| Hemolytic A Erythrocyte Nucleotide Deletion Type | MT/X | X-Linked Male Normal |
| Hemolytic A Erythrocyte Missense Mutation Type | MT/X | X-Linked Male Normal |
| Hemolytic Anemia (Australian Shepherd Type) | MT/MT | Normal (Clear) |
| Hemolytic Cataracts | MT/MT | Normal (Clear) |
| Hereditary Cataracts Mitochondrial Proteins Gene Type | MT/MT | Normal (Clear) |
| Hereditary Cataracts Dynamin Gene Type | MT/MT | Normal (Clear) |
| Hereditary Cataracts Mitochondrial Proteins Gene and Dynamin Gene Type | MT/MT | Normal (Clear) |
| Hereditary Cataracts (Australian Shepherd Type) | MT/MT | Normal (Clear) |
| Hereditary

| | | |
|---|---|---|
| Myotonia Congenita (Labrador Retriever Type) | WT/WT | Normal (Clear) |
| Myotonia Congenita (Schnauzer Type) | WT/WT | Normal (Clear) |
| Myotubular Myopathy 1 (Boykin Spaniel Type) | WT/Y | X-Linked Male Normal |
| Myotubular Myopathy 1 (Labrador Retriever Type) | WT/Y | X-Linked Male Normal |
| Myotubular Myopathy 1 (Rottweiler Type) | WT/Y | X-Linked Male Normal |
| Narcolepsy (Dachshund Type) | WT/WT | Normal (Clear) |
| Narcolepsy (Doberman Pinscher Type) | WT/WT | Normal (Clear) |
| Narcolepsy (Labrador Retriever Type) | WT/WT | Normal (Clear) |
| Neonatal Ataxia | WT/WT | Normal (Clear) |
| Neonatal Cerebellar Cortical Degeneration | WT/WT | Normal (Clear) |
| Neonatal Encephalopathy with Seizures | WT/WT | Normal (Clear) |
| Neuroaxonal Dystrophy (Giant Schnauzer Type) | WT/WT | Normal (Clear) |
| Neuroaxonal Dystrophy (Papillon Type) | WT/WT | Normal (Clear) |
| Neuroaxonal Dystrophy (Rottweiler Type) | WT/WT | Normal (Clear) |
| Neuroaxonal Dystrophy (Spanish Water Dog Type) | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis (Tibetan Terrier Type) | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 1 (Cane Corso Type) | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 1 | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 10 | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 12 | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 2 | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 4A | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever Type) | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 5 (Herding Dog Type) | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 6 | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 7 | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd Type) | WT/WT | Normal (Clear) |
| Neuronal Ceroid Lipofuscinosis 8 (Setter Type) | WT/WT | Normal (Clear) |
| Nonsyndromic Hearing Loss (Rottweiler Type) | WT/WT | Normal (Clear) |
| Oculocutaneous Albinism (Doberman Pinscher Type) | WT/WT | Normal (Clear) |
| Oculocutaneous Albinism (Small Breed Type) | WT/WT | Normal (Clear) |
| Osteochondrodysplasia | WT/WT | Normal (Clear) |
| Osteogenesis Imperfecta (Beagle Type) | WT/WT | Normal (Clear) |
| Osteogenesis Imperfecta (Dachshund Type) | WT/WT | Normal (Clear) |
| Osteogenesis Imperfecta (Golden Retriever Type) | WT/WT | Normal (Clear) |
| P2RY12 Receptor Platelet Disorder | WT/WT | Normal (Clear) |
| Pancreatitis (Miniature Schnauzer Type Risk Factor) | WT/WT | Normal (Clear) |

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|---|---|---|
| Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 1 | 0 | |
| Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 2 | 0 | |
| Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 3 | 0 | |

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|---|---|---|
| Pembroke Welsh Corgi Duchenne Muscular Dystrophy | WT/Y | X-Linked Male Normal |
| Persistent Müllerian Duct Syndrome | WT/M | Carrier |
| Pituitary Dwarfism (Shepherd Type) | WT/WT | Normal (Clear) |
| Polyneuropathy (Leonberger Type 1) | WT/WT | Normal (Clear) |
| Polyneuropathy (Leonberger Type 2) | WT/WT | Normal (Clear) |
| Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation | WT/WT | Normal (Clear) |
| Pompe Disease | WT/WT | Normal (Clear) |
| Prekallikrein Deficiency | WT/WT | Normal (Clear) |
| Primary Ciliary Dyskinesia (Alaskan Malamute Type) | WT/WT | Normal (Clear) |
| Primary Ciliary Dyskinesia (Old English Sheepdog Type) | WT/WT | Normal (Clear) |
| Primary Hyperoxaluria | WT/WT | Normal (Clear) |
| Primary Lens Luxation | WT/WT | Normal (Clear) |
| Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type) | WT/WT | Normal (Clear) |
| Primary Open Angle Glaucoma (Basset Hound Type) | WT/WT | Normal (Clear) |
| Primary Open Angle Glaucoma | WT/WT | Normal (Clear) |
| Primary Open Angle Glaucoma (Norwegian Elkhound Type) | WT/WT | Normal (Clear) |
| Primary Open Angle Glaucoma and Primary Lens Luxation (Shar Pei Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy (Basenji Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy (Bullmastiff/Mastiff Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy (Giant Schnauzer Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy (Irish Setter Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy (Shetland Sheepdog Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy (Sloughi Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Cone-Rod Dystrophy (Dachshund Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Cone-Rod Dystrophy 3 (Glen of Imaal Terrier Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Early Onset (Spanish Water Dog Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Early-Onset (Portuguese Water Dog Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Generalized (Schapendoes Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Golden Retriever 1 | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Golden Retriever 2 | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Late-Onset (Lapponian Herder Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, PRA1 (Papillon Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Rod-Cone Dysplasia 3 | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Rod-Cone Dysplasia 4 | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Syndromic Retinal Degeneration (Shetland Sheepdog Type) | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, X-Linked 1 (Husky Type) | WT/Y | X-Linked Male Normal |
| Progressive Retinal Atrophy, X-linked 2 | WT/Y | X-Linked Male Normal |
| Protein Losing Nephropathy | WT/WT, WT/WT | Normal (Clear) - No Increased Risk |

| | | |
|---|---|---|
| Protein Losing Nephropathy (Variant 1) | 0 | |
| Protein Losing Nephropathy (Variant 2) | 0 | |

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|---|---|---|
| Pyruvate Dehydrogenase Deficiency | WT/WT | Normal (Clear) |
| Pyruvate Kinase Deficiency (Basenji Type) | WT/WT | Normal (Clear) |
| Pyruvate Kinase Deficiency (Beagle Type) | WT/WT | Normal (Clear) |
| Pyruvate Kinase Deficiency (Labrador Retriever Type) | WT/WT | Normal (Clear) |
| Pyruvate Kinase Deficiency (Pug Type) | WT/WT | Normal (Clear) |
| Pyruvate Kinase Deficiency (Terrier Type) | WT/WT | Normal (Clear) |
| Recurrent Inflammatory Pulmonary Disease | WT/WT | Normal (Clear) |
| Renal Cystadenocarcinoma and Nodular Dermatofibrosis | WT/WT | Normal (Clear) |
| Retinal Dysplasia/Oculoskeletal Dysplasia 1 | WT/WT | Normal (Clear) |
| Retinal Dysplasia/Oculoskeletal Dysplasia 2 | WT/WT | Normal (Clear) |
| Sensory Neuropathy (Border Collie Type) | WT/WT | Normal (Clear) |
| Severe Combined Immunodeficiency Disease (Terrier Type) | WT/WT | Normal (Clear) |
| Severe Combined Immunodeficiency Disease (Wetterhoun Type) | WT/WT | Normal (Clear) |
| Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) | WT/Y | X-Linked Male Normal |
| Severe Combined Immunodeficiency Disease, X-Linked (Corgi Type) | WT/Y | X-Linked Male Normal |
| Shar-Pei Autoinflammatory Disease | WT/WT | Normal (Clear) |
| Skeletal Dysplasia 2 | WT/WT | Normal (Clear) |
| Spinal Dysraphism | WT/WT | Normal (Clear) |
| Spinocerebellar Ataxia (Alpine Dachsbrake Type) | WT/WT | Normal (Clear) |
| Spinocerebellar Ataxia (Terrier Type) | WT/WT | Normal (Clear) |
| Spondylocostal Dysostosis | WT/WT | Normal (Clear) |
| Stargardt Disease | WT/WT | Normal (Clear) |
| Startle Disease | WT/WT | Normal (Clear) |
| Subacute Necrotizing Encephalopathy (Yorkshire Terrier Type) | WT/WT | Normal (Clear) |
| Thrombopathia (American Eskimo Dog Type) | WT/WT | Normal (Clear) |
| Thrombopathia (Basset Hound Type) | WT/WT | Normal (Clear) |
| Thrombopathia (Newfoundland Type) | WT/WT | Normal (Clear) |
| Trapped Neutrophil Syndrome | WT/WT | Normal (Clear) |
| Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 1) | WT/WT | Normal (Clear) |
| Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 2) | WT/WT | Normal (Clear) |
| Urolithiasis (Native American Indian Dog Type) | WT/WT | Normal (Clear) |
| Van Den Ende-Gupta Syndrome | WT/WT | Normal (Clear) |
| Von Willebrand Disease I | WT/WT | Normal (Clear) |
| Von Willebrand Disease II | WT/WT | Normal (Clear) |
| Von Willebrand Disease III (Kooikerhondje Type) | WT/WT | Normal (Clear) |
| Von Willebrand Disease III (Scottish Terrier Type) | WT/WT | Normal (Clear) |
| Von Willebrand Disease III (Shetland Sheepdog Type) | WT/WT | Normal (Clear) |

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

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.




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The Canine HealthCheck® is a screen of >325 genes that cause diseases or traits in dogs. This is not a diagnostic test. Any abnormal results (carrier or affected), or any results that concern you, should be confirmed using a diagnostic test. Diagnostic testing is available from Paw Print Genetics® and in many cases, can be performed using existing DNA from the Canine HealthCheck.

The Canine HealthCheck is not a breed identification test.