

Customer & Pet Information

Registered Name Birddog's Risky Business Registration # SS42042306

Breed Labrador Retriever Tattoo -

Sex Female Microchip 956000017266547

DOB Jun 14, 2023 Lab Sample ID 54571332 AKC Sample ID 40011432

Report Date Sep 24, 2025

Explanation of Results

Normal A 'Normal' result means that your dog does not have the mutation that causes the associated genetic disease.

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. 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.

Breed Profile		
Disease Name	Genotype	Interpretation
Centronuclear Myopathy	WT/WT	Normal (Clear)
Exercise-Induced Collapse	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	WT/WT	Normal (Clear)

	WT: (wild type (norn	mall) M: mutant Y: (Y chromosome (male))
Coat Colors & Traits		
Trait Name	Genotype	Interpretation
A Locus (Agouti)	a ^t /a ^t	Black and tan
As Locus (Saddle Tan)	N/N	No saddle tan/creeping tan
B Locus (Brown)	В/В	Black coat, nose and foot pads (does not carry brown)
B Locus (Brown) - b ^a	0	
B Locus (Brown) - b ^c	0	
B Locus (Brown) - b ^d	0	
B Locus (Brown) - b ^h	0	
B Locus (Brown) - be	0	
B Locus (Brown) - b ^s	0	
Brachycephaly	BR/BR	Likely medium to long muzzle
Chondrodysplasia (CDPA)	cd/cd	No Leg Shortening Associated with CDPA
Co Locus (Cocoa, French Bulldog Type)	CO/CO	Black coat, nose and foot pads (does not carry cocoa)
Cu Locus (Curly Hair)	Cu/Cu	Straight coat
D Locus (Dilute)	D/D	Non-dilute (does not carry dilute)
D Locus (Dilute) - d ¹	0	
D Locus (Dilute) - d ²	0	
D Locus (Dilute) - d ³	0	
E Locus	e ¹ /e ¹	Yellow/Red
E Locus - E™ (Melanistic Mask)	0	
E Locus - E ⁹ (Grizzle, Afghan Hound Type)	0	
E Locus - E ^h (Sable, Cocker Spaniel Type)	0	
E Locus - e ^A (Ancient Red, Spitz and Scent Hound Type)	0	
E Locus - e ¹ (Yellow/Red)	2	
E Locus - e ² (Cream, Australian Cattle Dog Type)	0	

E Locus - e ³ (White, Alaskan and Siberian Husky Type)	0	
H Locus (Harlequin, Great Dane type)	h/h	No harlequin
Hairlessness	Rh/Rh	Coated
Hairlessness (American Hairless Terrier Type) - rh ¹	0	
Hairlessness (Scottish Deerhound Type) - rh ²	0	
I Locus (Intensity)	1/1	Normal intensity
IC locus (Improper Coat/Furnishings)	No Result	No Result
K Locus (Dominant Black)	K ^B /K ^B	No agouti expression allowed
L Locus (Long Hair/Fluffy)	Sh/Sh	Shorthaired (does not carry long hair)
L Locus (Long Hair/Fluffy) - Lh ¹	0	
L Locus (Long Hair/Fluffy) - Lh ²	0	
L Locus (Long Hair/Fluffy) - Lh³	0	
L Locus (Long Hair/Fluffy) - Lh⁴	0	
M Locus (Merle)	m/m	Non merle
Polydactyly (Common Variant)	pd/pd	Normal (typical) toes (likely no hind dewclaws)
Polydactyly (Great Pyrenees Type)	pd/pd	Normal (typical) toes (likely no double hind dewclaws)
R Locus (Roan/Ticked)	R ^{τi} /r	Ticked (carries non-roan)
R Locus (Roan/Ticked) - R ^{Ti}	1	
R Locus (Roan/Ticked) - R	0	
S Locus (White Spotting, Parti, or Piebald)	S/S	No white spotting, flash, parti, or piebald
SD Locus (Shedding)	sd/SD	Moderate shedding
Sex Determination - ZFXY	X/X	Female
Social Behavior	WT/WT, WT/M	May demonstrate more social behavior
Social Behavior, Variant 1	0	
Social Behavior, Variant 2	1	
T locus (Natural Bobtail)	t/t	Normal tail

Determinants of coat colors and traits are complex. Many of these variants are known and many of the genes screened by AKC DNA 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 AKC DNA 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.

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

Diseases		
Disease Name	Genotype	Interpretation
Acral Mutilation Syndrome	WT/WT	Normal (Clear)
Acute Respiratory Distress Syndrome	WT/WT	Normal (Clear)
Adult Paroxysmal Dyskinesia	WT/WT	Normal (Clear)
Afibrinogenemia (Dachshund Type)	WT/WT	Normal (Clear)
Alaskan Husky Encephalopathy	WT/WT	Normal (Clear)
Alaskan Malamute Polyneuropathy	WT/WT	Normal (Clear)
Amelogenesis Imperfecta (Italian Greyhound Type)	WT/WT	Normal (Clear)
Amelogenesis Imperfecta (Parson Russell Terrier Type)	WT/WT	Normal (Clear)
Ataxia (Norwegian Buhund Type)	WT/WT	Normal (Clear)
Benign Familial Juvenile Epilepsy	WT/WT	Normal (Clear)
Bernard-Soulier Syndrome	WT/WT	Normal (Clear)
Canine Multiple System Degeneration (Chinese Crested type)	WT/WT	Normal (Clear)
Canine Multiple System Degeneration (Kerry Blue Terrier type)	WT/WT	Normal (Clear)
Canine Scott Syndrome	WT/WT	Normal (Clear)
Cardiomyopathy and Juvenile Mortality	WT/WT	Normal (Clear)
Catalase Deficiency	WT/WT	Normal (Clear)
Centronuclear Myopathy	WT/WT	Normal (Clear)
Cerebellar Ataxia (Finnish Hound Type)	WT/WT	Normal (Clear)
Cerebellar Ataxia 1 (Belgian Shepherd Type)	WT/WT	Normal (Clear)
Cerebellar Ataxia 2 (Belgian Shepherd Type)	WT/WT	Normal (Clear)
Cerebellar Cortical Degeneration	WT/WT	Normal (Clear)
Cerebellar Degeneration	WT/WT	Normal (Clear)
Charcot-Marie-Tooth Disease	WT/WT	Normal (Clear)
Chondrodysplasia (Karelian Bear Dog and Norwegian Elkhound type)	WT/WT	Normal (Clear)
Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	WT/WT	Normal (Clear) - No CDDY or Increased IVDD Risk
Cleft Palate and Syndactyly (Nova Scotia Duck Tolling Retriever Type)	WT/WT	Normal (Clear)
Coagulation Factor VII Deficiency	WT/WT	Normal (Clear)
Collie Eye Anomaly	WT/WT	Normal (Clear)

Complement 3 Deficiency	WT/WT	Normal (Clear)
Cone Degeneration	WT/WT	Normal (Clear)
Cone Degeneration (German Shepherd Dog Type)	WT/WT	Normal (Clear)
Cone Degeneration (German Shorthaired Pointer Type)	WT/WT	Normal (Clear)
Cone Degeneration (Labrador Retriever Type)	WT/WT	Normal (Clear)
Congenital Hypothyroidism with Goiter (Terrier Type)	WT/WT	Normal (Clear)
Congenital Macrothrombocytopenia (Cairn and Norfolk Terrier Type)	WT/WT	Normal (Clear)
Congenital Methemoglobinemia	WT/WT	Normal (Clear)
Congenital Myasthenic Syndrome (Golden Retriever Type)	WT/WT	Normal (Clear)
Congenital Myasthenic Syndrome (Jack Russell Terrier Type)	WT/WT	Normal (Clear)
Congenital Myasthenic Syndrome (Labrador Retriever Type)	WT/WT	Normal (Clear)
Congenital Myasthenic Syndrome (Old Danish Pointer Type)	WT/WT	Normal (Clear)
Congenital Stationary Night Blindness	WT/WT	Normal (Clear)
Copper Storage Disease	WT/WT	Normal (Clear)
Craniomandibular Osteopathy	WT/WT	Normal (Clear)
Cyclic Neutropenia	WT/WT	Normal (Clear)
Cystinuria (Australian Cattle Dog Type)	WT/WT	Normal (Clear)
Cystinuria (Labrador Retriever Type)	WT/WT	Normal (Clear)
Cystinuria (Miniature Pinscher Type)	WT/WT	Normal (Clear)
Cystinuria (Newfoundland Type)	WT/WT	Normal (Clear)
Cystinuria Type 3 (Bulldog Type Risk Factor, Variant 3)	WT/WT	Normal (Clear)
Cystinuria Type 3 (Bulldog Type Risk Factor, Variants 1 and 2)	WT/WT	Normal (Clear)
Cystinuria Type 3 (Bulldog Type Risk Factor, Variants 1)	0	
Cystinuria Type 3 (Bulldog Type Risk Factor, Variants 2)	0	
Dandy-Walker-Like Malformation	WT/WT	Normal (Clear)
Darier Disease and Associated Infundibular Cyst Formation	WT/WT	Normal (Clear)
Deafness and Vestibular Dysfunction (Doberman Pinscher Type), Variant 2	WT/WT	Normal (Clear)
Degenerative Myelopathy (Bernese Mountain Dog Variant)	WT/WT	Normal (Clear)
Degenerative Myelopathy (Common Variant)	WT/WT	Normal (Clear)
Degenerative Myelopathy Early-Onset Risk Modifier (Pembroke Welsh Corgi Type)	WT/WT	Normal (Clear)

Diffuse Cystic Renal Dysplasia and Hepatic Fibrosis WT,WT Normal (Clear) Dilated Cardiomyopathy (Doberman Pinscher Type Risk Factor, Variant 1) Dilated Cardiomyopathy (Doberman Pinscher Type Risk Factor, Variant 2) Dilated Cardiomyopathy (Schnauzer Type) WT,WT Normal (Clear) Dilated Cardiomyopathy (Schnauzer Type) WT,WT Normal (Clear) Dry Eye Curly Coat Syndrome WT,WT Normal (Clear) Dystrophic Epidermolysis Bullosa (Golden Retriever Type) WT,WT Normal (Clear) Dystrophic Epidermolysis Bullosa (Golden Retriever Type) WT,WT Normal (Clear) Early Onset Adult Deafness (Rhodesian Ridgeback Type) WT,WT Normal (Clear) Early-Onset Epidepsy (Parson Russell Terrier Type) WT,WT Normal (Clear) Early-Onset Epidepsy (Parson Russell Terrier Type) WT,WT Normal (Clear) Ectodermal Dysplasia (Chesapeake Bay Retriever Type) WT,WT Normal (Clear) Ectodermal Dysplasia, X-Linked (Schepherd Type) WT,WT X-Linked Female Normal Ectodermal Dysplasia, X-Linked (Schepherd Type) WT,WT Normal (Clear) Ethers-Danlos Syndrome (Ebrador Retriever Type), Variant 1 WT,WT Normal (Clear) Ehlers-Danlos Syndrome (Ebrador Retriever Type), Variant 2 WT,WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2 WT,WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type, Variant 1 0 Ehlers-Danlos Syndrome (Poodle Type, Variant 2 0 Elliptocytosis WT,WT Normal (Clear) Epidermolytic Hyperkeratosis WT,WT Normal (Clear) Epidermolytic Hyperkeratosis WT,WT Normal (Clear) Exercise-Induced Collapse Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT,WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT,WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT,WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT,WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT,WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT,WT Normal (Clear)	Dental Hypomineralization	WT/WT	Normal (Clear)
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Ectodermal Dysplasia (Chesapeake Bay Retriever Type) Ectodermal Dysplasia, X-Linked (Dachshund Type) Ectodermal Dysplasia, X-Linked (Dachshund Type) Ectodermal Dysplasia, X-Linked (Shepherd Type) WT/WT X-Linked Female Normal Ehlers-Danlos Syndrome (Doberman Pinscher Type) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1 Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2 Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) Ehlers-Danlos Syndrome (Poodle Type, Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear)	Early Retinal Degeneration	WT/WT	Normal (Clear)
Ectodermal Dysplasia, X-Linked (Dachshund Type) Ectodermal Dysplasia, X-Linked (Shepherd Type) WT/WT X-Linked Female Normal Ehlers-Danlos Syndrome (Doberman Pinscher Type) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1 Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2 WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) Ehlers-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 O Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Extoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear) WT/WT Normal (Clear)	Early-Onset Epilepsy (Parson Russell Terrier Type)	WT/WT	Normal (Clear)
Ectodermal Dysplasia, X-Linked (Shepherd Type) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Doberman Pinscher Type) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1 WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2 Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 Elliptos-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear)	Ectodermal Dysplasia (Chesapeake Bay Retriever Type)	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Doberman Pinscher Type) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1 WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2 WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type), Variant 1 0 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 0 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear) Normal (Clear)	Ectodermal Dysplasia, X-Linked (Dachshund Type)	WT/WT	X-Linked Female Normal
Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1 WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2 WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type), Variant 1 0 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 0 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Ectodermal Dysplasia, X-Linked (Shepherd Type)	WT/WT	X-Linked Female Normal
Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2 WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) WT/WT Normal (Clear) Ehlers-Danlos Syndrome (Poodle Type), Variant 1 0 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 0 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Ehlers-Danlos Syndrome (Doberman Pinscher Type)	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) Ehlers-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear)	Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Poodle Type), Variant 1 Ehlers-Danlos Syndrome (Poodle Type), Variant 2 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear) Fucosidosis WT/WT Normal (Clear)	Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Poodle Type), Variant 2 Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Normal (Clear)	Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2)	WT/WT	Normal (Clear)
Elliptocytosis WT/WT Normal (Clear) Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Ehlers-Danlos Syndrome (Poodle Type), Variant 1	0	
Epidermolytic Hyperkeratosis WT/WT Normal (Clear) Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Ehlers-Danlos Syndrome (Poodle Type), Variant 2	0	
Episodic Falling Syndrome WT/WT Normal (Clear) Exercise-Induced Collapse WT/WT Normal (Clear) Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Elliptocytosis	WT/WT	Normal (Clear)
Exercise-Induced Collapse Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Epidermolytic Hyperkeratosis	WT/WT	Normal (Clear)
Exfoliative Cutaneous Lupus Erythematosus (ECLE) WT/WT Normal (Clear) Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Episodic Falling Syndrome	WT/WT	Normal (Clear)
Factor XI Deficiency WT/WT Normal (Clear) Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Exercise-Induced Collapse	WT/WT	Normal (Clear)
Familial Nephropathy (Cocker Spaniel Type) WT/WT Normal (Clear) Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Exfoliative Cutaneous Lupus Erythematosus (ECLE)	WT/WT	Normal (Clear)
Familial Nephropathy (English Springer Spaniel Type) WT/WT Normal (Clear) WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Factor XI Deficiency	WT/WT	Normal (Clear)
Fucosidosis WT/WT Normal (Clear) Gallbladder Mucoceles WT/WT Normal (Clear)	Familial Nephropathy (Cocker Spaniel Type)	WT/WT	Normal (Clear)
Gallbladder Mucoceles WT/WT Normal (Clear)	Familial Nephropathy (English Springer Spaniel Type)	WT/WT	Normal (Clear)
	Fucosidosis	WT/WT	Normal (Clear)
Glanzmann's Thrombasthenia (Great Pyrenees Type) WT/WT Normal (Clear)	Gallbladder Mucoceles	WT/WT	Normal (Clear)
	Glanzmann's Thrombasthenia (Great Pyrenees Type)	WT/WT	Normal (Clear)

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

Hereditary Nephritis (Samoyed type)	WT/WT	X-Linked Female Normal
Hyperuricosuria	WT/WT	Normal (Clear)
Hypomyelination (Weimaraner Type)	WT/WT	Normal (Clear)
Ichthyosis (American Bulldog Type)	WT/WT	Normal (Clear)
Ichthyosis (Golden Retriever Type 1)	WT/WT	Normal (Clear)
Ichthyosis (Golden Retriever Type 2)	WT/WT	Normal (Clear)
Ichthyosis (Great Dane Type)	WT/WT	Normal (Clear)
Ichthyosis (Jack Russell Terrier Type)	WT/WT	Normal (Clear)
Inflammatory Myopathy (Shepherd Type)	WT/WT	Normal (Clear)
Inherited Myopathy of Great Danes	WT/WT	Normal (Clear)
Intestinal Cobalamin Malabsorption (Beagle Type)	WT/WT	Normal (Clear)
Intestinal Cobalamin Malabsorption (Border Collie Type)	WT/WT	Normal (Clear)
Junctional Epidermolysis Bullosa (Australian Shepherd Type)	WT/WT	Normal (Clear)
Juvenile Laryngeal Paralysis and Polyneuropathy (Black Russian Terrier Type)	WT/WT	Normal (Clear)
Juvenile Myoclonic Epilepsy (Rhodesian Ridgeback Type)	WT/WT	Normal (Clear)
L-2-Hydroxyglutaric Aciduria (Staffordshire Bull Terrier type)	WT/WT	Normal (Clear)
L-2-Hydroxyglutaric Aciduria (Yorkshire Terrier Type)	WT/WT	Normal (Clear)
Lagotto Storage Disorder	WT/WT	Normal (Clear)
Laryngeal Paralysis and Polyneuropathy (Leonberger Type 3)	WT/WT	Normal (Clear)
Late Onset Ataxia	WT/WT	Normal (Clear)
Lethal Acrodermatitis	WT/WT	Normal (Clear)
Leukocyte Adhesion Deficiency, Type I	WT/WT	Normal (Clear)
Leukocyte Adhesion Deficiency, Type III	WT/WT	Normal (Clear)
Ligneous Membranitis	WT/WT	Normal (Clear)
Limb-Girdle Muscular Dystrophy (Dachshund Type)	WT/WT	Normal (Clear)
Lundehund Syndrome	WT/WT	Normal (Clear)
Macular Corneal Dystrophy (Labrador Retriever Type)	WT/WT	Normal (Clear)
Mammary Tumors (English Springer Spaniel Type Risk Factor)	WT/M	May be at risk for mammary cancer
May-Hegglin Anomaly	WT/WT	Normal (Clear)

Mucopolysaccharidosis II (Plott Hound Type) WT/WT Normal (Clear) Mucopolysaccharidosis III A (New Zealand Huntaway type) WT/WT Normal (Clear) Mucopolysaccharidosis III B (Schipperke Type) WT/WT Normal (Clear) Mucopolysaccharidosis VII (Briazilian Terrier Type) WT/WT Normal (Clear) Mucopolysaccharidosis VII (Brazilian Terrier Type) WT/WT Normal (Clear) Mucopolysaccharidosis VII (Shepherd Type) WT/WT Normal (Clear) Multidrug Resistance 1 WT/WT Normal (Clear) Multifocal Retinopathy 1 WT/WT Normal (Clear) Multifocal Retinopathy 2 WT/WT Normal (Clear) Multifocal Retinopathy 3 WT/WT Normal (Clear) Muscular Dystrophy (Golden Retriever Type) WT/WT Normal (Clear) Mysotatin Deficiency (Whippet Type) WT/WT Normal (Clear) Mysotatin Ediciency (Whippet Type) WT/WT Normal (Clear) Mysotonia Congenita (Jabrador Retriever Type) WT/WT Normal (Clear) Mysotonia Congenita (Schnauzer Type) WT/WT Normal (Clear) Mysotubular Myopathy 1 (Rottweiler Type) WT/WT	Microphthalmia (Soft Coated Wheaten Terrier Type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis IIIA (New Zealand Huntaway type) MTAWT Mormal (Clear) Mucopolysaccharidosis VII (Shepherd Type) WTAWT Mucopolysaccharidosis VI (Miniature Schnauzer Type) WTAWT Mucopolysaccharidosis VI (Brazilian Terrier Type) WTAWT Mucopolysaccharidosis VI (Brazilian Terrier Type) WTAWT Mucopolysaccharidosis VI (Shepherd Type) WTAWT Mucopolysaccharidosis VI (Shepherd Type) WTAWT Muttidrosal Retinopathy 1 Muttidrosal Retinopathy 1 WTAWT Mormal (Clear) Multifocal Retinopathy 2 WTAWT Mormal (Clear) Multifocal Retinopathy 3 WTAWT Mormal (Clear) Muscular Dystrophy (Golden Retriever Type) WTAWT Muscular Dystrophy (Golden Retriever Type) WTAWT Myostatin Deficiency (Whippet Type) WTAWT Myotonia Congenita (Australian Cattle Dog type) WTAWT Myotonia Congenita (Labrador Retriever Type) WTAWT Myotonia Congenita (Schnauzer Type) WTAWT Myotonia Congenita (Schnauzer Type) WTAWT Myotubular Myopathy 1 (Boykin Spaniel Type) WTAWT Myotubular Myopathy 1 (Boykin Spaniel Type) WTAWT Myotubular Myopathy 1 (Rottweiler Type) WTAWT Normal (Clear) Myotubular Myopathy 1 (Rottweiler Type) WTAWT Normal (Clear) Myotubular Myopathy 1 (Rottweiler Type) WTAWT Normal (Clear) Narcolepsy (Dachshund Type) WTAWT Normal (Clear) Narcolepsy (Doberman Pinscher Type) WTAWT Normal (Clear) Narcolepsy (Doberman Pinscher Type) WTAWT Normal (Clear) Neonatal Carebellar Cortical Degeneration WTAWT Normal (Clear) Neonatal Cerebellar Cortical Degeneration WTAWT Normal (Clear) Normal (Clear) Normal (Clear) Neonatal Encephalopathy with Seizures WTAWT Normal (Clear) Normal (Clear)	Mucopolysaccharidosis I (Plott Hound Type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis IIIB (Schipperke Type) MIVAT Mormal (Clear) Mucopolysaccharidosis VI (Miniature Schnauzer Type) MIVAT Mormal (Clear) Mucopolysaccharidosis VI (Sepalari Terrier Type) MIVAT Mormal (Clear) Mucopolysaccharidosis VII (Shepherd Type) MIVAT Mormal (Clear) Multidrocal Retinopathy 1 MIVAT Mormal (Clear) Multifocal Retinopathy 2 MIVAT Mormal (Clear) Multifocal Retinopathy 3 MIVAT Mormal (Clear) Muscular Dystrophy (Golden Retriever Type) MIVAT Mormal (Clear) Myostatin Deficiency (Whippet Type) MIVAT Myotonia Congenita (Australian Cattle Dog type) MIVAT Myotonia Congenita (Labrador Retriever Type) MIVAT Myotonia Congenita (Schnauzer Type) MIVAT Myotoular Myopathy 1 (Boykin Spaniel Type) MIVAT Myotubular Myopathy 1 (Rottweiler Type) MIVAT Myotubular Myopathy 1 (Rottweiler Type) MIVAT Mivaticeler Myotopathy 1 (Rottweiler Type) MIVAT Mivaticeler Myotopathy 1 (Rottweiler Type) MIVAT Mivaticeler Myotubular Myopathy 1 (Rottweiler Type) MIVAT Mivaticeler Mormal (Clear) Mivaticeler Mivaticeler Mivaticeler Mormal (Clear) Mivaticeler Mivaticeler Mormal (Clear) Mivaticeler Mivaticeler Mormal (Clear) Mivaticeler Mivaticeler Mormal (Clear) Mivaticeler Mormal (Clear) Mivaticeler Mormal (Clear) Mivaticeler Mormal (Clear)	Mucopolysaccharidosis IIIA (Dachshund Type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis VI (Miniature Schnauzer Type) MIWT Mucopolysaccharidosis VII (Sheazilian Terrier Type) MIWT Mucopolysaccharidosis VII (Shepherd Type) MIWT Mucopolysaccharidosis VII (Shepherd Type) MIWT Multidrug Resistance 1 MIWT Multifocal Retinopathy 1 MIWT Mormal (Clear) Multifocal Retinopathy 2 MIWT Multifocal Retinopathy 3 MIWT Mormal (Clear) Muscular Dystrophy (Golden Retriever Type) MIWT MIWT Mormal (Clear) Muscular Dystrophy (Golden Retriever Type) MIWT Myotonia Congenita (Australian Cattle Dog type) MIWT Myotonia Congenita (Australian Cattle Dog type) MIWT Myotonia Congenita (Labrador Retriever Type) MIWT Myotonia Congenita (Retriever Type) MIWT Myotonia (Clear) Myotonia (Clear) Miwotonia (Clear)	Mucopolysaccharidosis IIIA (New Zealand Huntaway type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis VII (Brazilian Terrier Type) MI/WT Mucopolysaccharidosis VII (Shepherd Type) MI/WT Multifug Resistance 1 Multifug Resistance 1 MI/WT Multifug Resistance 1 Multifug Resistance 1 Multifug Resistance 1 MI/WT Multifug Resistance 1 Mult	Mucopolysaccharidosis IIIB (Schipperke Type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis VII (Shepherd Type) Multidrug Resistance 1 Multifocal Retinopathy 1 Multifocal Retinopathy 2 Multifocal Retinopathy 2 Multifocal Retinopathy 3 Multifocal Retinopathy 3 Multifocal Retinopathy 3 Multifocal Retinopathy 3 Muscular Dystrophy (Golden Retriever Type) Multifocal Retriever Type Multifocal Retriever Type Multifocal Retriever Type Multif	Mucopolysaccharidosis VI (Miniature Schnauzer Type)	WT/WT	Normal (Clear)
Multiforal Resistance 1 Multifocal Retinopathy 1 Multifocal Retinopathy 2 Multifocal Retinopathy 2 Multifocal Retinopathy 3 Mur/MT Mormal (Clear) Multifocal Retinopathy 3 Mur/MT Mormal (Clear) Muscular Dystrophy (Golden Retriever Type) Mur/MT Muscular Dystrophy (Golden Retriever Type) Mur/MT Musladin-Lueke Syndrome Mur/MT Myostatin Deficiency (Whippet Type) Mur/MT Myotonia Congenita (Australian Cattle Dog type) Mur/MT Myotonia Congenita (Labrador Retriever Type) Mur/MT Myotonia Congenita (Labrador Retriever Type) Mur/MT Myotonia Congenita (Schnauzer Type) Mur/MT Myotoular Myopathy 1 (Boykin Spaniel Type) Mur/MT Myotubular Myopathy 1 (Labrador Retriever Type) Mur/MT Myotubular Myopathy 1 (Rottweiler Type) Mur/MT Myotubular Myopathy 1 (Rottweiler Type) Mur/MT Mur/MT Murcolepsy (Dachshund Type) Mur/MT Murrolepsy (Dachshund Type) Mur/MT Murrolepsy (Dachshund Type) Mur/MT Murrolepsy (Dachshund Type) Mur/MT Murrolepsy (Labrador Retriever Type) Mur/MT Normal (Clear) Neonatal Ataxia Mur/MT Normal (Clear) Neonatal Encephalopathy with Seizures Mur/MT Normal (Clear) Neonatal Encephalopathy with Seizures Mur/MT Normal (Clear) Neonatal Encephalopathy (Giant Schnauzer Type) Mur/MT Normal (Clear)	Mucopolysaccharidosis VII (Brazilian Terrier Type)	WT/WT	Normal (Clear)
Multifocal Retinopathy 1 Multifocal Retinopathy 2 Multifocal Retinopathy 3 MU/WT Multifocal Retinopathy 3 MU/WT Multifocal Retinopathy 3 MU/WT Muscular Dystrophy (Golden Retriever Type) MU/WT Muscular Dystrophy (Golden Retriever Type) MU/WT Musladin-Lueke Syndrome MU/WT Mormal (Clear) Myostatin Deficiency (Whippet Type) MU/WT Myotonia Congenita (Australian Cattle Dog type) MU/WT Myotonia Congenita (Labrador Retriever Type) MU/WT Myotonia Congenita (Schnauzer Type) MU/WT Myotonia Congenita (Schnauzer Type) MU/WT Myotoular Myopathy 1 (Boykin Spaniel Type) MU/WT Myotubular Myopathy 1 (Rottweiler Type) MU/WT Myotubular Myopathy 1 (Rottweiler Type) MU/WT Murcolepsy (Dachshund Type) MU/WT Murcolepsy (Dachshund Type) MU/WT Murcolepsy (Doberman Pinscher Type) MU/WT Murcolepsy (Labrador Retriever Type) Murcole	Mucopolysaccharidosis VII (Shepherd Type)	WT/WT	Normal (Clear)
Multifocal Retinopathy 2 Multifocal Retinopathy 3 WT/WT Normal (Clear) Muscular Dystrophy (Golden Retriever Type) WT/WT Musladin-Lueke Syndrome WT/WT Myostatin Deficiency (Whippet Type) WT/WT Myotonia Congenita (Australian Cattle Dog type) WT/WT Myotonia Congenita (Labrador Retriever Type) WT/WT Myotonia Congenita (Schnauzer Type) WT/WT Myotonia Congenita (Schnauzer Type) WT/WT Myotonia Congenita (Schnauzer Type) WT/WT Myotubular Myopathy 1 (Boykin Spaniel Type) WT/WT Myotubular Myopathy 1 (Labrador Retriever Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT Normal (Clear) Narcolepsy (Dachshund Type) WT/WT Normal (Clear) Narcolepsy (Labrador Retriever Type) WT/WT Normal (Clear) Narcolepsy (Labrador Retriever 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) Neonatal Dystrophy (Giant Schnauzer Type) WT/WT Normal (Clear) Neuroaxonal Dystrophy (Papillon Type) WT/WT Normal (Clear)	Multidrug Resistance 1	WT/WT	Normal (Clear)
Multifocal Retinopathy 3 MT/WT Muscular Dystrophy (Golden Retriever Type) MT/WT X-Linked Female Normal Musladin-Lueke Syndrome WT/WT Mormal (Clear) Myostatin Deficiency (Whippet Type) WT/WT Mormal (Clear) Myotonia Congenita (Australian Cattle Dog type) WT/WT Mormal (Clear) Myotonia Congenita (Labrador Retriever Type) WT/WT Mormal (Clear) Myotonia Congenita (Schnauzer Type) WT/WT Mormal (Clear) Myotoular Myopathy 1 (Boykin Spaniel Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT Normal (Clear) Narcolepsy (Dachshund Type) WT/WT Normal (Clear) Narcolepsy (Labrador Retriever Type) WT/WT Normal (Clear) Narcolepsy (Labrador Retriever 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 (Gaint Schnauzer Type) WT/WT Normal (Clear) Normal (Clear)	Multifocal Retinopathy 1	WT/WT	Normal (Clear)
Muscular Dystrophy (Golden Retriever Type) Muscular Dystrophy (Golden Retriever Type) Muscular Dystrophy (Golden Retriever Type) Myostatin Deficiency (Whippet Type) Myotonia Congenita (Australian Cattle Dog type) Myotonia Congenita (Australian Cattle Dog type) Myotonia Congenita (Labrador Retriever Type) Myotonia Congenita (Schnauzer Type) Myotonia Congenita (Schnauzer Type) Myotubular Myopathy 1 (Boykin Spaniel Type) Myotubular Myopathy 1 (Labrador Retriever Type) Myotubular Myopathy 1 (Labrador Retriever Type) Myotubular Myopathy 1 (Rottweiler Type)	Multifocal Retinopathy 2	WT/WT	Normal (Clear)
Musladin-Lueke Syndrome WT/WT Normal (Clear) Myostatin Deficiency (Whippet Type) WT/WT Normal (Clear) Myotonia Congenita (Australian Cattle Dog type) WT/WT Normal (Clear) Myotonia Congenita (Labrador Retriever Type) WT/WT Normal (Clear) Myotonia Congenita (Schnauzer Type) WT/WT Normal (Clear) Myotubular Myopathy 1 (Boykin Spaniel Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Labrador Retriever Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female 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 (Gaint Schnauzer Type) WT/WT Normal (Clear) Neuroaxonal Dystrophy (Papillon Type) WT/WT Normal (Clear)	Multifocal Retinopathy 3	WT/WT	Normal (Clear)
Myostatin Deficiency (Whippet Type) WT/WT Normal (Clear) Myotonia Congenita (Australian Cattle Dog type) WT/WT Normal (Clear) Myotonia Congenita (Labrador Retriever Type) WT/WT Normal (Clear) Myotonia Congenita (Schnauzer Type) WT/WT Normal (Clear) Myotubular Myopathy 1 (Boykin Spaniel Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Labrador Retriever Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT Normal (Clear) Narcolepsy (Dachshund 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 (Gaint Schnauzer Type) WT/WT Normal (Clear) Neuroaxonal Dystrophy (Papillon Type) WT/WT Normal (Clear)	Muscular Dystrophy (Golden Retriever Type)	WT/WT	X-Linked Female Normal
Myotonia Congenita (Australian Cattle Dog type) Myotonia Congenita (Labrador Retriever Type) Myotonia Congenita (Schnauzer Type) Myotonia Congenita (Schnauzer Type) Myotubular Myopathy 1 (Boykin Spaniel Type) Myotubular Myopathy 1 (Labrador Retriever Type) Myotubular Myopathy 1 (Rottweiler Type) Myotubular Myotubular Myopathy 1 (Rottweiler Type) Myotubular	Musladin-Lueke Syndrome	WT/WT	Normal (Clear)
Myotonia Congenita (Labrador Retriever Type) Myotonia Congenita (Schnauzer Type) WT/WT Normal (Clear) Myotubular Myopathy 1 (Boykin Spaniel Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Labrador Retriever Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT Normal (Clear) Narcolepsy (Dachshund 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)	Myostatin Deficiency (Whippet Type)	WT/WT	Normal (Clear)
Myotonia Congenita (Schnauzer Type) Myotubular Myopathy 1 (Boykin Spaniel Type) Myotubular Myopathy 1 (Labrador Retriever Type) Myotubular Myopathy 1 (Labrador Retriever Type) MT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT Normal (Clear) Narcolepsy (Dachshund Type) WT/WT Normal (Clear) Narcolepsy (Doberman Pinscher 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)	Myotonia Congenita (Australian Cattle Dog type)	WT/WT	Normal (Clear)
Myotubular Myopathy 1 (Boykin Spaniel Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Labrador Retriever Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female Normal Marcolepsy (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) Normal (Clear)	Myotonia Congenita (Labrador Retriever Type)	WT/WT	Normal (Clear)
Myotubular Myopathy 1 (Labrador Retriever Type) WT/WT X-Linked Female Normal Myotubular Myopathy 1 (Rottweiler Type) WT/WT X-Linked Female 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)	Myotonia Congenita (Schnauzer Type)	WT/WT	Normal (Clear)
Myotubular Myopathy 1 (Rottweiler Type) WT/WT Normal (Clear) 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)	Myotubular Myopathy 1 (Boykin Spaniel Type)	WT/WT	X-Linked Female 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)	Myotubular Myopathy 1 (Labrador Retriever Type)	WT/WT	X-Linked Female Normal
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)	Myotubular Myopathy 1 (Rottweiler Type)	WT/WT	X-Linked Female Normal
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)	Narcolepsy (Dachshund 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)	Narcolepsy (Doberman Pinscher Type)	WT/WT	Normal (Clear)
Neonatal Cerebellar Cortical DegenerationWT/WTNormal (Clear)Neonatal Encephalopathy with SeizuresWT/WTNormal (Clear)Neuroaxonal Dystrophy (Giant Schnauzer Type)WT/WTNormal (Clear)Neuroaxonal Dystrophy (Papillon Type)WT/WTNormal (Clear)	Narcolepsy (Labrador Retriever Type)	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)	Neonatal Ataxia	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Giant Schnauzer Type) WT/WT Normal (Clear) Neuroaxonal Dystrophy (Papillon Type) WT/WT Normal (Clear)	Neonatal Cerebellar Cortical Degeneration	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Papillon Type) WT/WT Normal (Clear)	Neonatal Encephalopathy with Seizures	WT/WT	Normal (Clear)
	Neuroaxonal Dystrophy (Giant Schnauzer Type)	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Rottweiler 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	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 1 (Cane Corso Type)	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 (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)
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	
Pembroke Welsh Corgi Duchenne Muscular Dystrophy	WT/WT	X-Linked Female Normal
Persistent Mullerian Duct Syndrome	WT/WT	Normal (Clear)
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)

Prekalikrein Deficiency Primary Ciliary Dyskinesia (Alaskan Malamute Type) WT/WT Normal (Clear) Primary Ciliary Dyskinesia (Alaskan Malamute Type) WT/WT Normal (Clear) Primary Liliary 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 WT/WT Normal (Clear) Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type) WT/WT Normal (Clear) Primary Open Angle Glaucoma (Norwegian Elkhound Type) 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 (Glant Schnauzer Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Giant Schnauzer Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Shetland Sheepdog Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Soughi Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 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, Generalized (Schapendoes Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Generalized (Schapendoes Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Generalized (Schapendoes Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Generalized (Schapendoes Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Generalized (Schapendoes Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Generalized (Schapendoes Type) WT	Pompe Disease	WT/WT	Normal (Clear)
Primary Cillary Dyskinesia (Old English Sheepdog Type) WT/WT Normal (Clear) Primary Hyperoxaluria WT/WT Normal (Clear) Primary Hyperoxaluria WT/WT Normal (Clear) Primary Open Angle Glaucoma WT/WT Normal (Clear) Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type) 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 (Basenji Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Giant Schnauzer Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Fish Setter Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Shetland Sheepdog Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Shetland Sheepdog Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Shetland Sheepdog Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Shetland Sheepdog Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 WT/WT Normal (Clear) Progressive Retinal Atrophy, Early-Onset (Portuguese Water Dog Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Golden Retriever 2 WT/WT Normal (Clear) Progressive Retinal Atrophy, Golden Retriever 2 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, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear)	Prekallikrein Deficiency	WT/WT	Normal (Clear)
Primary Hyperoxaluria WT/WT Normal (Clear) Primary Lens Luxation WT/WT Normal (Clear) Primary Open Angle Glaucoma WT/WT Normal (Clear) Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type) 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 WT/WT Normal (Clear) Progressive Retinal Atrophy (Basenji Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Basenji Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Giant Schnauzer Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Giant Schnauzer 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 (Sloughi Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 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, 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 (Papillion Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA2 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration WT/WT Normal (Clear)	Primary Ciliary Dyskinesia (Alaskan Malamute Type)	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 (Nonwegian 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 (Basenji Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Giant Schnauzer Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Giant Schnauzer Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Shetland Sheepdog 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 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 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, 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, PRA2 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration WT/WT Normal (Clear)	Primary Ciliary Dyskinesia (Old English Sheepdog Type)	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma WT/WT Normal (Clear) Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type) 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 (Giant Schnauzer 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 (Sloughi Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 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, Generalized (Schapendoes Type) 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, Late-Onset (Lapponian Herder Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA1 (Papillon Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA2 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear)	Primary Hyperoxaluria	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type) 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 (Giant Schnauzer 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 (Shoughi Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Sloughi Type) WT/WT Normal (Clear) Progressive Retinal Atrophy (Sloughi Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American WT/WT Normal (Clear) Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 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, 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, PRA2 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear)	Primary Lens Luxation	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 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 1 (American WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American WT/WT Normal (Clear) Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 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, Late-Onset (Lapponian Herder Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear)	Primary Open Angle Glaucoma	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma and Primary Lens Luxation (Shar Pei Type) Progressive Retinal Atrophy (Basenji Type) Progressive Retinal Atrophy (Bullmastiff/Mastiff Type) Progressive Retinal Atrophy (Giant Schnauzer Type) Progressive Retinal Atrophy (Giant Schnauzer Type) Progressive Retinal Atrophy (Irish Setter Type) Progressive Retinal Atrophy (Irish Setter Type) Progressive Retinal Atrophy (Shetland Sheepdog Type) Progressive Retinal Atrophy (Sloughi Type) Progressive Retinal Atrophy (Sloughi Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 Progressive Retinal Atrophy, Early Onset (Spanish Water Dog Type) Progressive Retinal Atrophy, Generalized (Schapendoes Type) Progressive Retinal Atrophy, Generalized (Schapendoes Type) Progressive Retinal Atrophy, Golden Retriever 1 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, PRA2 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear)	Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type)	WT/WT	Normal (Clear)
Type) Progressive Retinal Atrophy (Basenji Type) Progressive Retinal Atrophy (Bullmastiff/Mastiff Type) Progressive Retinal Atrophy (Giant Schnauzer Type) Progressive Retinal Atrophy (Giant Schnauzer Type) Progressive Retinal Atrophy (Irish Setter Type) Progressive Retinal Atrophy (Irish Setter Type) Progressive Retinal Atrophy (Irish Setter Type) Progressive Retinal Atrophy (Shetland Sheepdog Type) Progressive Retinal Atrophy (Sloughi Type) Progressive Retinal Atrophy (Sloughi Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 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, 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 WT/WT Normal (Clear)	Primary Open Angle Glaucoma (Norwegian Elkhound 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 (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 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) 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, 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, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear)		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 (Shoughi Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) 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 WT/WT Normal (Clear)	Progressive Retinal Atrophy (Basenji 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 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American 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 WT/WT Normal (Clear)	Progressive retinal Atrophy (Bullmastiff/Mastiff 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 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) 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, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear)	Progressive Retinal Atrophy (Giant Schnauzer Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy (Sloughi Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American 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 WT/WT Normal (Clear)	Progressive Retinal Atrophy (Irish Setter Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American 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 WT/WT Normal (Clear)	Progressive Retinal Atrophy (Shetland Sheepdog Type)	WT/WT	Normal (Clear)
Staffordshire Terrier Type) Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) 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 WT/WT Normal (Clear)	Progressive Retinal Atrophy (Sloughi Type)	WT/WT	Normal (Clear)
Staffordshire Terrier Type) 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 WT/WT Normal (Clear)		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 WT/WT Normal (Clear)		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 WT/WT Normal (Clear)	Progressive Retinal Atrophy, Cone-Rod Dystrophy 4	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 WT/WT Normal (Clear)	Progressive Retinal Atrophy, Early Onset (Spanish Water Dog 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 WT/WT Normal (Clear)	Progressive Retinal Atrophy, Early-Onset (Portuguese Water Dog Type)	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 WT/WT Normal (Clear)	Progressive Retinal Atrophy, Generalized (Schapendoes Type)	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 WT/WT Normal (Clear)	Progressive retinal Atrophy, Golden Retriever 1	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 WT/WT Normal (Clear)	Progressive retinal Atrophy, Golden Retriever 2	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type) WT/WT Normal (Clear) Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration WT/WT Normal (Clear)	Progressive Retinal Atrophy, Late-Onset (Lapponian Herder Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration 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, Rod-Cone Dysplasia 3 WT/WT Normal (Clear)	Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	WT/WT	Normal (Clear)
	Progressive Retinal Atrophy, Rod-Cone Dysplasia 3	WT/WT	Normal (Clear)

Progressive Retinal Aurophy, X-Linked I (Husky Type) WT/WT X-Linked Female Normal Progressive Retinal Aurophy, X-Linked I (Husky Type) WT/WT X-Linked Female Normal Progressive Retinal Aurophy, X-Linked 2 WT/WT X-Linked Female Normal Protein Losing Nephropathy WT/WT X-Linked Female Normal Protein Losing Nephropathy (Variant 1) 0 Normal (Clear) - No Increased Risk Pyruvate Losing Nephropathy (Variant 2) 0 Normal (Clear) Pyruvate Dehydrogenase Deficiency WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Basserji type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Beagle type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Recurrent Inflammatory Pulmonary Disease WT/WT Normal (Clear) Recurrent Inflammatory Pulmonary Disease WT/WT Normal (Clear) Retinal Dysplasia/Oculoskeletal Dysplasia 2 WT/WT Normal (Clear) Sev	Progressive Retinal Atrophy, Rod-Cone Dysplasia 4	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, X-linked 2 Protein Losing Nephropathy Protein Losing Nephropathy (Variant 1) Protein Losing Nephropathy (Variant 2) Pyruvate Losing Nephropathy (Variant 2) Pyruvate Kinase Deficiency (Basenji type) Pyruvate Kinase Deficiency (Labrador Retriever type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Terrier type) WT/WT Normal (Clear) Normal (Clear) Normal (Clear) Pyruvate Kinase Deficiency (Terrier type) WT/WT Normal (Clear)		WT/WT	Normal (Clear)
Protein Losing Nephropathy Protein Losing Nephropathy (Variant 1) Protein Losing Nephropathy (Variant 2) O Pyruvate Dehydrogenase Deficiency WT/WT Normal (Clear) Pyruvate Einase Deficiency (Basenji type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Fug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Terrier type) WT/WT Normal (Clear) Recurrent Inflammatory Pulmonary Disease WT/WT Normal (Clear) Retinal Dysplasia/Oculoskeletal Dysplasia 1 WT/WT Normal (Clear) WT/WT Normal (Clear) Sensory Neuropathy (Border Collie Type) WT/WT Normal (Clear) Severe Combined Immunodeficiency Disease (Wetterhoun Type) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT Normal (Clear) X-Linked Female Normal Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear)	Progressive Retinal Atrophy, X-Linked 1 (Husky Type)	WT/WT	X-Linked Female Normal
Protein Losing Nephropathy (Variant 1) 0	Progressive Retinal Atrophy, X-linked 2	WT/WT	X-Linked Female Normal
Protein Losing Nephropathy (Variant 2) Pyruvate Dehydrogenase Deficiency Pyruvate Kinase Deficiency (Basenji type) Pyruvate Kinase Deficiency (Basenji type) Pyruvate Kinase Deficiency (Basenji type) Pyruvate Kinase Deficiency (Labrador Retriever type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Pug type) WT/WT Normal (Clear) Recurrent Inflammatory Pulmonary Disease WT/WT Normal (Clear) Retinal Dysplasia/Oculoskeletal Dysplasia 1 WT/WT Normal (Clear) Normal (Clear) Severe Combined Immunodeficiency Disease (Wetterhoun Type) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) WT/WT Normal (Clear) Normal (Clear) Normal (Clear) Normal (Clear) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear) Normal (Clear) Normal (Clear) Normal (Clear) Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) Normal (Clear) Normal (Clear)	Protein Losing Nephropathy	WT/WT, WT/WT	
Pyruvate Dehydrogenase Deficiency Pyruvate Kinase Deficiency (Basenji type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Basenji type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Basele 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 (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Terrier type) WT/WT Normal (Clear) Recurrent Inflammatory Pulmonary Disease WT/WT Normal (Clear) Retinal Cystadenocarcinoma and Nodular Dermatofibrosis WT/WT Normal (Clear) Retinal Dysplasia/Oculoskeletal Dysplasia 1 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) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Gorgi type) WT/WT X-Linked Female Normal Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Carrier Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear)	Protein Losing Nephropathy (Variant 1)	0	
Pyruvate Kinase Deficiency (Basenji type) Pyruvate Kinase Deficiency (Beagle type) Pyruvate Kinase Deficiency (Labrador Retriever 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 (Pug type) WT/WT Normal (Clear) Pyruvate Kinase Deficiency (Terrier type) WT/WT Normal (Clear) Recurrent Inflammatory Pulmonary Disease 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, X-Linked (Basset Hound Type) WT/WT X-Linked Female Normal Type) Severe Combined Immunodeficiency Disease, X-Linked (Gorgi type) WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) Spinal Dysraphism 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)	Protein Losing Nephropathy (Variant 2)	0	
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 (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, X-Linked (Basset Hound Type) WT/WT X-Linked Female Normal Type) Severe Combined Immunodeficiency Disease, X-Linked (Gorgi type) WT/WT Normal (Clear) Severe Combined Immunodeficiency Disease WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear)	Pyruvate Dehydrogenase Deficiency	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/WT X-Linked Female Normal Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female Normal Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear)	Pyruvate Kinase Deficiency (Basenji 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/WT X-Linked Female Normal Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female Normal WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear)	Pyruvate Kinase Deficiency (Beagle type)	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Terrier type) 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 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) Severe Combined Immunodeficiency Disease, X-Linked (Gorgi type) WT/WT X-Linked Female Normal Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) Spinal Dysraphism WT/WT Normal (Clear) Spinal Pyraphism WT/WT Normal (Clear) Spinocerebellar Ataxia (Alpine Dachsbrake Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear) Spondylocostal Dysostosis WT/WT Normal (Clear) Stargardt Disease	Pyruvate Kinase Deficiency (Labrador Retriever type)	WT/WT	Normal (Clear)
Recurrent Inflammatory Pulmonary Disease Recurrent Inflammatory Pulmonary Disease 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/WT X-Linked Female Normal WT/WT Normal (Clear) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) Spinal Dysraphism 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)	Pyruvate Kinase Deficiency (Pug type)	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) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female 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) Spinocerebellar Ataxia (Terrier Type) WT/WT Normal (Clear) Spondylocostal Dysostosis WT/WT Normal (Clear) Stargardt Disease WT/WT Normal (Clear)	Pyruvate Kinase Deficiency (Terrier type)	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1 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) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Gasset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female 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) Spinocerebellar Dysostosis WT/WT Normal (Clear) Normal (Clear)	Recurrent Inflammatory Pulmonary Disease	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/WT X-Linked Female Normal WT/WP X-Linked Female Normal Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female 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) Spinocerebellar Dysostosis WT/WT Normal (Clear) Stargardt Disease WT/WT Normal (Clear)	Renal Cystadenocarcinoma and Nodular Dermatofibrosis	WT/WT	Normal (Clear)
Sensory Neuropathy (Border Collie Type) Severe Combined Immunodeficiency Disease (Terrier Type) WT/WT Normal (Clear) Severe Combined Immunodeficiency Disease (Wetterhoun Type) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female Normal WT/WT X-Linked Female Normal 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) Spinocerebellar Dysostosis WT/WT Normal (Clear) Spondylocostal Dysostosis WT/WT Normal (Clear)	Retinal Dysplasia/Oculoskeletal Dysplasia 1	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) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female 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/M Carrier	Retinal Dysplasia/Oculoskeletal Dysplasia 2	WT/WT	Normal (Clear)
Severe Combined Immunodeficiency Disease (Wetterhoun Type) Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) WT/WT X-Linked Female Normal Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female Normal WT/WT Normal (Clear) Shar-Pei Autoinflammatory Disease WT/WT Normal (Clear) Skeletal Dysplasia 2 WT/WT Normal (Clear) WT/WT Normal (Clear) Spinal Dysraphism WT/WT Normal (Clear) 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 Carrier	Sensory Neuropathy (Border Collie Type)	WT/WT	Normal (Clear)
Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) WT/WT X-Linked Female 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)	Severe Combined Immunodeficiency Disease (Terrier Type)	WT/WT	Normal (Clear)
Severe Combined Immunodeficiency Disease, X-Linked (Corgi type) 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) Carrier	Severe Combined Immunodeficiency Disease (Wetterhoun Type)	WT/WT	Normal (Clear)
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/M Carrier	•	WT/WT	X-Linked Female Normal
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/M Carrier	Severe Combined Immunodeficiency Disease, X-Linked (Corgi type)	WT/WT	X-Linked Female Normal
Spinal DysraphismWT/WTNormal (Clear)Spinocerebellar Ataxia (Alpine Dachsbrake Type)WT/WTNormal (Clear)Spinocerebellar Ataxia (Terrier Type)WT/WTNormal (Clear)Spondylocostal DysostosisWT/WTNormal (Clear)Stargardt DiseaseWT/MCarrier	Shar-Pei Autoinflammatory Disease	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/M Carrier	Skeletal Dysplasia 2	WT/WT	Normal (Clear)
Spinocerebellar Ataxia (Terrier Type)WT/WTNormal (Clear)Spondylocostal DysostosisWT/WTNormal (Clear)Stargardt DiseaseWT/MCarrier	Spinal Dysraphism	WT/WT	Normal (Clear)
Spondylocostal Dysostosis WT/WT Normal (Clear) Stargardt Disease WT/M Carrier	Spinocerebellar Ataxia (Alpine Dachsbrake Type)	WT/WT	Normal (Clear)
Stargardt Disease WT/M Carrier	Spinocerebellar Ataxia (Terrier Type)	WT/WT	Normal (Clear)
	Spondylocostal Dysostosis	WT/WT	Normal (Clear)
Subacute Necrotizing Encephalopathy (Yorkshire Terrier Type) WT/WT Normal (Clear)	Stargardt Disease	WT/M	Carrier
	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)