Welcome,
Dana Logan
dlogan@dogwise.com

Dogs
Orders
Settings

Canine HealthCheck

Demographic Information

Call Name	Cassidy	DCB Registration	
Registered Name	Wasatch Acres Cassidy Jack	Date Of Birth	May 24, 2004
Breed	Australian Lanmarkers Terrier	Sex	Spayed Female
Gender	Female	Microchip	
Owner	Dana Logan	Submitted at Report Date	eartrust November 4, 2004

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

Explanation of Results

Normal	A Normal result means that one dog does not have the mutation that causes the associated genetic disease.
Carrier	A Carrier result indicates that your dog is heterozygous for one mutation that has been reported to cause this genetic disease. Your dog may not be clinically affected by the mutation but can pass the mutation on to its offspring and potentially cause disease.
Carrier / At Risk	A Carrier / At Risk result means that one mutation has been identified that causes a genetic disease. However the testing for other known mutations that cause this genetic disease is not complete. Because of the limited scope of the genetic testing for this gene, there is a chance that your dog may be a carrier of a mutation that has been reported to cause this genetic disease.
At Risk / Affected	An At Risk / Affected result indicates that your dog inherited one or two copies of the mutation that is known to cause the genetic disease. Depending on the inheritance pattern of the genetic disease, breeding one or more copies of the mutation to your offspring may cause disease.
No Result	No Result means that your sample was unable to obtain a genotype for your dog for this specific disease test. Reasons for this result include: the sample was too degraded to obtain a genotype, there was not enough DNA in the sample, the sample was not your provided or suspected sample, a large variation in the genetic sequence is present in the area of the mutation that causes the genetic disease, or there is a large variation in the genetic sequence in the area of the mutation that causes the genetic disease, preventing us from being able to design a genetic test for the mutation. In the circumstance of a No Result, we will contact you to discuss the results and to discuss options for a new sample or other tests. Our recommendation is that you submit a new sample if your dog will need to be a carrier or affected for a genetic disease.

Please review our testing terms and disclaimers regarding your results.

Report Type: Full Report Save Print

NT: not tested SNP: single SNP H: Homozygous

Breed Profile

Disease Name	Genotype	Interpretation
Cystinuria Type III	NT/NT	
Canine Degenerative Lumbosacral Radiculopathy	NT/NT	
Congenital Hypothyroid Goiter Autosomal Recessive Type	NT/NT	
Cystinuria Type II	NT/NT	
Cystinuria Type I	NT/NT	
Degenerative Myelopathy	NT/NT	
Degenerative Myelopathy Mutation Homozygote Dog Genotype		
Degenerative Myelopathy Carrier Genotype		
Hemophilia A	NT/NT	
Exercise-Induced Collapse	NT/NT	
Familial Nephropathy Cocker Spaniel Type	NT/NT	
Ceroidosis Pancreatic	NT/NT	
Glycogen Storage Disease VII, PFK Deficiency	NT/NT	
GM2 Gangliosidosis Brown Type	NT/NT	
Hereditary Cataracts	NT/NT	
Hereditary Nasal Parakeratosis Labrador Retriever Type	NT/NT	
Hereditary Nasal Parakeratosis Flat-Coated Retriever Type	NT/NT	
Osteochondrodysplasia	NT/NT	
Progressive Retinal Atrophy, Crossi Rod Dysplasia	NT/NT	
Progressive Retinal Atrophy, Golden Retriever 2	NT/NT	
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration prcd	NT/NT	
Progressive Retinal Atrophy, Rod-Cone Dysplasia 4	NT/NT	
Progressive Retinal Atrophy, Labrador Retriever 2	NT/NT	
Retinal Dysplasia (Partnershipped Dysplasia)	NT/NT	
Skeletal Dysplasia 2	NT/NT	
Vonwillebrand Disease	NT/NT	
UMHA (Congenital Hepatic Dysmorphic Labrador Retriever Type)	NT/NT	
UMHA (Congenital Hepatic Dysmorphic Labrador Retriever Type)	NT/NT	
Von Willebrand Disease	NT/NT	

NT: not tested SNP: single H: Homozygous

Coat Colors & Traits

Trait Name	Genotype	Interpretation
K Locus (Dogmin)	K^y/k	Tricolor, black and tan or sable, depending on other genes
K^y Locus (Sable Tan)	K^y/k^y	Sable, tan/orange/yellow with black tips
K Locus (Brown)	B/b or k/k	Black or brown coat, coat and foot pads brown (depending on copy of brown)
Brown Allele1 B1	-	
Brown Allele2 B2	-	
Brown Allele3 B3	-	
Brown Allele4 B4	-	
Brown Allele5 B5	-	
Brown Allele6 B6	-	
Brown Allele7 B7	-	
Brown Allele8 B8	-	
Brown Allele9 B9	-	
Brown Allele10 B10	-	
Brown Allele11 B11	-	
Brown Allele12 B12	-	
Brown Allele13 B13	-	
Brown Allele14 B14	-	
Brown Allele15 B15	-	
Brown Allele16 B16	-	
Brown Allele17 B17	-	
Brown Allele18 B18	-	
Brown Allele19 B19	-	
Brown Allele20 B20	-	
Brown Allele21 B21	-	
Brown Allele22 B22	-	
Brown Allele23 B23	-	
Brown Allele24 B24	-	
Brown Allele25 B25	-	
Brown Allele26 B26	-	
Brown Allele27 B27	-	
Brown Allele28 B28	-	
Brown Allele29 B29	-	
Brown Allele30 B30	-	
Brown Allele31 B31	-	
Brown Allele32 B32	-	
Brown Allele33 B33	-	
Brown Allele34 B34	-	
Brown Allele35 B35	-	
Brown Allele36 B36	-	
Brown Allele37 B37	-	
Brown Allele38 B38	-	
Brown Allele39 B39	-	
Brown Allele40 B40	-	
Brown Allele41 B41	-	
Brown Allele42 B42	-	
Brown Allele43 B43	-	
Brown Allele44 B44	-	
Brown Allele45 B45	-	
Brown Allele46 B46	-	
Brown Allele47 B47	-	
Brown Allele48 B48	-	
Brown Allele49 B49	-	
Brown Allele50 B50	-	
Brown Allele51 B51	-	
Brown Allele52 B52	-	
Brown Allele53 B53	-	
Brown Allele54 B54	-	
Brown Allele55 B55	-	
Brown Allele56 B56	-	
Brown Allele57 B57	-	
Brown Allele58 B58	-	
Brown Allele59 B59	-	
Brown Allele60 B60	-	
Brown Allele61 B61	-	
Brown Allele62 B62	-	
Brown Allele63 B63	-	
Brown Allele64 B64	-	
Brown Allele65 B65	-	
Brown Allele66 B66	-	
Brown Allele67 B67	-	
Brown Allele68 B68	-	
Brown Allele69 B69	-	
Brown Allele70 B70	-	
Brown Allele71 B71	-	
Brown Allele72 B72	-	
Brown Allele73 B73	-	
Brown Allele74 B74	-	
Brown Allele75 B75	-	
Brown Allele76 B76	-	
Brown Allele77 B77	-	
Brown Allele78 B78	-	
Brown Allele79 B79	-	
Brown Allele80 B80	-	
Brown Allele81 B81	-	
Brown Allele82 B82	-	
Brown Allele83 B83	-	
Brown Allele84 B84	-	
Brown Allele85 B85	-	
Brown Allele86 B86	-	
Brown Allele87 B87	-	
Brown Allele88 B88	-	
Brown Allele89 B89	-	
Brown Allele90 B90	-	
Brown Allele91 B91	-	
Brown Allele92 B92	-	
Brown Allele93 B93	-	
Brown Allele94 B94	-	
Brown Allele95 B95	-	
Brown Allele96 B96	-	
Brown Allele97 B97	-	
Brown Allele98 B98	-	
Brown Allele99 B99	-	
Brown Allele100 B100	-	
Brown Allele101 B101	-	
Brown Allele102 B102	-	
Brown Allele103 B103	-	
Brown Allele104 B104	-	
Brown Allele105 B105	-	
Brown Allele106 B106	-	
Brown Allele107 B107	-	
Brown Allele108 B108	-	
Brown Allele109 B109	-	
Brown Allele110 B110	-	
Brown Allele111 B111	-	
Brown Allele112 B112	-	
Brown Allele113 B113	-	
Brown Allele114 B114	-	
Brown Allele115 B115	-	
Brown Allele116 B116	-	
Brown Allele117 B117	-	
Brown Allele118 B118	-	
Brown Allele119 B119	-	
Brown Allele120 B120	-	
Brown Allele121 B121	-	
Brown Allele122 B122	-	
Brown Allele123 B123	-	
Brown Allele124 B124	-	
Brown Allele125 B125	-	
Brown Allele126 B126	-	
Brown Allele127 B127	-	
Brown Allele128 B128	-	
Brown Allele129 B129	-	
Brown Allele130 B130	-	
Brown Allele131 B131	-	
Brown Allele132 B132	-	
Brown Allele133 B133	-	
Brown Allele134 B134	-	
Brown Allele135 B135	-	
Brown Allele136 B136	-	
Brown Allele137 B137	-	
Brown Allele138 B138	-	
Brown Allele139 B139	-	
Brown Allele140 B140	-	
Brown Allele141 B141	-	
Brown Allele142 B142	-	
Brown Allele143 B143	-	
Brown Allele144 B144	-	
Brown Allele145 B145	-	
Brown Allele146 B146	-	
Brown Allele147 B147	-	
Brown Allele148 B148	-	
Brown Allele149 B149	-	
Brown Allele150 B150	-	
Brown Allele151 B151	-	
Brown Allele152 B152	-	
Brown Allele153 B153	-	
Brown Allele154 B154	-	
Brown Allele155 B155	-	
Brown Allele156 B156	-	
Brown Allele157 B157	-	
Brown Allele158 B158	-	
Brown Allele159 B159	-	
Brown Allele160 B160	-	
Brown Allele161 B161	-	
Brown Allele162 B162	-	
Brown Allele163 B163	-	
Brown Allele164 B164	-	
Brown Allele165 B165	-	
Brown Allele166 B166	-	
Brown Allele167 B167	-	
Brown Allele168 B168	-	
Brown Allele169 B169	-	
Brown Allele170 B170	-	
Brown Allele171 B171	-	
Brown Allele172 B172	-	
Brown Allele173 B173	-	
Brown Allele174 B174	-	
Brown Allele175 B175	-	
Brown Allele176 B176	-	
Brown Allele177 B177	-	
Brown Allele178 B178	-	
Brown Allele179 B179	-	
Brown Allele180 B180	-	
Brown Allele181 B181	-	
Brown Allele182 B182	-	
Brown Allele183 B183	-	
Brown Allele184 B184	-	
Brown Allele185 B185	-	
Brown Allele186 B186	-	
Brown Allele187 B187	-	
Brown Allele188 B188	-	
Brown Allele189 B189	-	
Brown Allele190 B190	-	
Brown Allele191 B191	-	
Brown Allele192 B192	-	
Brown Allele193 B193	-	
Brown Allele194 B194	-	
Brown Allele195 B195	-	
Brown Allele196 B196	-	
Brown Allele197 B197	-	
Brown Allele198 B198	-	
Brown Allele199 B199	-	
Brown Allele200 B200	-	
K Locus (Dilution)	d/d or d/k	Dilution of black to blue/gray, brown to fawn, red to cream
K Locus (Fawn)	k/k	Fawn
K Locus (Brindle)	k^br/k	Brindle
Sex Determination	X/X	Female
Social Behavior	NT/NT, NT/NT	May demonstrate less social behavior
Coat Length, Locus 1	L/L	Short coat
Coat Length, Locus 2	L/L	Short coat
T Locus (Merle Spotting, Harlequin)	t^a/t^a	Merle (solid white, spotted)
T Locus (Ticking)	t^a/t^a	Harlequin ticking
Sex Determination	X/X	Female
Social Behavior	NT/NT, NT/NT	May demonstrate less social behavior
Coat Length, Locus 1	L/L	Short coat
Coat Length, Locus 2	L/L	Short coat
T Locus (Merle Spotted)	t/t	Normal/Self

NT: not tested SNP: single H: Homozygous

Diseases

Disease Name	Genotype	Interpretation
Acral Mutilation Syndrome	NT/NT	Normal/Clear
Acute Respiratory Distress Syndrome	NT/NT	Normal/Clear
Adult Pancreatic Dysfunction	NT/NT	Normal/Clear
Adenosuccinase (Dalmatian) Type	NT/NT	Normal/Clear
Alpha1 Proteinase Deficiency	NT/NT	Normal/Clear
Alopecia Areata	NT/NT	Normal/Clear
Alpha1 Proteinase Pharmacogenetic	NT/NT	Normal/Clear
Amelogenesis Imperfecta (Dalmatian Type)	NT/NT	Normal/Clear
Amelogenesis Imperfecta (Russell Terrier Type)	NT/NT	Normal/Clear
Ataxia (Neuronal Abiotrophy)	NT/NT	Normal/Clear
Benign Familial Juvenile Epilepsy	NT/NT	Normal/Clear
Bernard-Soulier Syndrome	NT/NT	Normal/Clear
Canine Multifocal Retinal Degeneration (Chinese Shar-Pei)	NT/NT	Normal/Clear
Canine Multifocal Retinal Degeneration (Miniature Bull Terrier Type)	NT/NT	Normal/Clear
Canine Leukocyte Adhesion Deficiency	NT/NT	Normal/Clear
Cardiomyopathy and Juvenile Mortality	NT/NT	Normal/Clear
Cataract Dominant	NT/NT	Normal/Clear
Centronuclear Myopathy	NT/NT	Normal/Clear
Cerebellar Abiotrophy (French Hound Type)	NT/NT	Normal/Clear
Cerebellar Ataxia 1 (Belgian Shepherd Type)	NT/NT	Normal/Clear
Cerebellar Ataxia 2 (Belgian Shepherd Type)	NT/NT	Normal/Clear
Cerebellar Cortical Degeneration	NT/NT	Normal/Clear
Cerebellar Degeneration	NT/NT	Normal/Clear
Chiari-Like Malformation	NT/NT	Normal/Clear
Chondrodystrophy Abnormal Short Gray and Rectangular Ethnicity Type	NT/NT	Normal/Clear
Cleft Palate and Dysplastic Ears Ectodermal Dysplasia Type (Shar-Pei)	NT/NT	Normal/Clear
Coagulation Factor XII Deficiency	NT/NT	Normal/Clear
Collie Eye Anomaly	NT/NT	Normal/Clear
Complement 3 Deficiency	NT/NT	Normal/Clear
Cone Degeneration	NT/NT	Normal/Clear
Cone Degeneration (Canine Oculocutaneous Albinism)	NT/NT	Normal/Clear
Cone Degeneration (German Shorthaired Pointer Type)	NT/NT	Normal/Clear
Cone Degeneration (Labrador Retriever Type)	NT/NT	Normal/Clear
Congenital Hypothyroidism with Goiter (Terrier Type)	NT/NT	Normal/Clear
Cone Degeneration (Miniature Longhaired Dachshund Type)	NT/NT	Normal/Clear
Congenital Hypothyroidism with Goiter (Toy Fox Terrier Type)	NT/NT	Normal/Clear
Congenital Hypothyroidism Goiterless (Labrador Retriever Type)	NT/NT	Normal/Clear
Congenital Hypothyroidism Goiterless (Golden Retriever Type)	NT/NT	Normal/Clear
Congenital Myasthenic Syndrome (Jack Russell Terrier Type)	NT/NT	Normal/Clear
Congenital Myasthenic Syndrome (Labrador Retriever Type)	NT/NT	Normal/Clear
Congenital Myasthenic Syndrome (Old English Sheepdog Type)	NT/NT	Normal/Clear
Congenital Myasthenic Syndrome (Jack Russell Terrier Type)	NT/NT	Normal/Clear
Congenital Myasthenic Syndrome (Labrador Retriever Type)	NT/NT	Normal/Clear
Copper Storage Disease	NT/NT	Normal/Clear
Craniomandibular Osteopathy	NT/NT	Normal/Clear
Cystic Nectrosipania	NT/NT	Normal/Clear
Cystinuria (Australian Cattle Dog Type)	NT/NT	Normal/Clear
Cystinuria (Labrador Retriever Type)	NT/NT	Normal/Clear
Cystinuria (Miniature Poodle Type)	NT/NT	Normal/Clear
Cystinuria (Newfoundland Type)	NT/NT	Normal/Clear
Cystinuria Type 2 (Bulldog Type Red Factor Gene)	NT/NT	Normal/Clear
Cystinuria Type 2 (Bulldog Type Red Factor Gene) Allele 1 (wt)		
Cystinuria Type 2 (Bulldog Type Red Factor Gene) Allele 2 (mt)		
Dacry Ectasia (Labrador Retriever Type)	NT/NT	Normal/Clear
Dachsie and Hardback Dachshunds (Dalmatian Type)	NT/NT	Normal/Clear
Degenerative Myelopathy	NT/NT	Normal/Clear
Degenerative Myelopathy Mutation Homozygote Dog Genotype		
Degenerative Myelopathy Carrier Genotype		
Degenerative Myelopathy Early Onset Bob Wallace (Rhodesian Ridge Type)	NT/NT	Normal/Clear
Dental Hypomineralization	NT/NT	Normal/Clear
Diffuse Cystic Renal Dysplasia and Hepatic Fibrosis	NT/NT	Normal/Clear
Dilated Cardiomyopathy (Doberman Pinscher Type Red Factor Gene)	NT/NT	Normal/Clear
Dilated Cardiomyopathy (Doberman Pinscher Type Red Factor Gene) Allele 2	NT/NT	Normal/Clear
Dilated Cardiomyopathy (Schnauzer Type)	NT/NT	Normal/Clear
Dry Eye Curly Coat Syndrome	NT/NT	Normal/Clear
Dystrophic Epidermolysis Bullosa (Recent Mutation)	NT/NT	Normal/Clear
Dystrophic Epidermolysis Bullosa (Golden Retriever Type)	NT/NT	Normal/Clear
Early Onset Adult Deafness (Rhodesian Ridgeback Type)	NT/NT	Normal/Clear
Early Retinal Degeneration	NT/NT	Normal/Clear
Early Onset Epilepsy (Persian Record Terrier Type)	NT/NT	Normal/Clear
Ectodermal Dysplasia (Crossbreeds Ray Mutation Type)	NT/NT	1 Copy Present Normal
Ectodermal Dysplasia, 1 (Lykoi Shepherd Type)	NT/NT	1 Copy Present Normal
Ehlers Danlos Syndrome (Dalmatian Pinscher Type)	NT/NT	Normal/Clear
Ehlers Danlos Syndrome (Labrador Retriever Type Version 1)	NT/NT	Normal/Clear
Ehlers Danlos Syndrome (Labrador Retriever Type Version 2)	NT/NT	Normal/Clear
Ehlers Danlos Syndrome (Poodle Type, Variant 1)	NT/NT	Normal/Clear
Ehlers Danlos Syndrome (Poodle Type, Variant 2)	NT/NT	Normal/Clear
Ehlers Danlos Syndrome (Poodle Type, Variant 2) Allele 1		
Ehlers Danlos Syndrome (Poodle Type, Variant 2) Allele 2		
Ellipsocytosis	NT/NT	Normal/Clear
Epileptoid-Dyskinesia	NT/NT	Normal/Clear
Episodic Falling Syndrome	NT/NT	Normal/Clear
Exercise-Induced Collapse	NT/NT	Normal/Clear
Exfoliative Cutaneous Lupus Erythematosus (ECLE)	NT/NT	Normal/Clear
Factor XI Deficiency	NT/NT	Normal/Clear
Familial Nephropathy (Cocker Spaniel Type)	NT/NT	Normal/Clear
Familial Nephropathy (English Springer Spaniel Type)	NT/NT	Normal/Clear
Fucosidosis	NT/NT	Normal/Clear
Galactosylceramidase Deficiency	NT/NT	Normal/Clear
Glycogen's Thrombasthenia (Great Pyrenees Type)	NT/NT	Normal/Clear
Glycogen's Thrombasthenia (Otterhound Type)	NT/NT	Normal/Clear
Glycosuria (Renal Cystic Type)	NT/NT	Normal/Clear
Gluteal Cell Leukoabiotrophy (Irish Setter Type)	NT/NT	Normal/Clear
Gluteal Cell Leukoabiotrophy (Pointer Type)	NT/NT	Normal/Clear
Glycogen Storage Disease Ia	NT/NT	Normal/Clear
Glycogen Storage Disease IIIa	NT/NT	Normal/Clear
Glycogen Storage Disease IIIa (Alaskan Husky Type)	NT/NT	Normal/Clear
Glycogen Storage Disease VII, PFK Deficiency	NT/NT	Normal/Clear
GM1 Gangliosidosis (Alaskan Husky Type)	NT/NT	Normal/Clear
GM1 Gangliosidosis (Portuguese Water Dog Type)	NT/NT	Normal/Clear
GM1 Gangliosidosis (Shiba Inu Type)	NT/NT	Normal/Clear
GM2 Gangliosidosis (Japanese Chin Type)	NT/NT	Normal/Clear
GM2 Gangliosidosis (Purebi Type)	NT/NT	Normal/Clear
GM2 Gangliosidosis (Shiba Inu Type)	NT/NT	Normal/Clear
Goniodysplasia	NT/NT	Normal/Clear
Hemophilia A (Basset Type)	NT/NT	Normal/Clear
Hemophilia A (German Shepherd Dog, Type 1)	NT/NT	1 Copy Present Normal
Hemophilia A (German Shepherd Dog, Type 2)	NT/NT	1 Copy Present Normal
Hemophilia A (Rhodesian Ridgeback Type)	NT/NT	1 Copy Present Normal
Hemophilia A (Curly Coated Retriever Type)	NT/NT	1 Copy Present Normal
Hemophilia A (Vizsla Type)	NT/NT	1 Copy Present Normal
Hemophilia B (Basset Hound Type)	NT/NT	Normal/Clear
Hemolytic Anemia (Abyssinian Fawn Type)	NT/NT	Normal/Clear
Hereditary Cataracts (Australian Shepherd Type)	NT/NT	Normal/Clear
Hereditary Cataracts	NT/NT	Normal/Clear
Hereditary Cataracts (Miniature Poodle)	NT/NT	Normal/Clear
Hereditary Footpad Hyperkeratosis (Irish Terrier Type)	NT/NT	Normal/Clear
Hereditary Footpad Hyperkeratosis (Rottweiler Type)	NT/NT	Normal/Clear
Hereditary Nasal Parakeratosis (Dachshund Type)	NT/NT	Normal/Clear
Hereditary Nasal Parakeratosis (Labrador Retriever Type)	NT/NT	Normal/Clear
Hereditary Nephritis (Samoyed Type)	NT/NT	1 Copy Present Normal
Hereditary Nephritis (Samoyed Type) Allele 1		1 Copy Present Normal
Hepatocirrhosis	NT/NT	Normal/Clear
Hepatocellulomas (Bittersweet Type)	NT/NT	Normal/Clear
Ichthyosis Deficiency Bulldog Type	NT/NT	Normal/Clear
Ichthyosis (Golden Retriever Type 1)	NT/NT	Normal/Clear
Ichthyosis (Golden Retriever Type 2)	NT/NT	Normal/Clear
Ichthyosis (Great Dane Type)	NT/NT	Normal/Clear
Ichthyosis (Jack Russell Terrier Type)	NT/NT	Normal/Clear
Inflammatory Myopathy (Shepherd Type)	NT/NT	Normal/Clear
Interstitial Nephritis of Young Dogs	NT/NT	Normal/Clear
Intervertebral Disc Disease (Chondrodystrophy and Intervertebral Disc Disease Type)	NT/NT	At Risk
Intestinal Cobalamin Malabsorption (Beagle Type)	NT/NT	Normal/Clear
Intestinal Cobalamin Malabsorption (Border Collie Type)	NT/NT	Normal/Clear
Intestinal Cobalamin Malabsorption (Giant Schnauzer Type)	NT/NT	Normal/Clear
Intestinal Lipid Malabsorption	NT/NT	Normal/Clear
Junctional Epidermolysis Bullosa (Australian Shepherd Type)	NT/NT	Normal/Clear
Juvenile Cataract Pelger-Huët Anomaly (Black Russian Terrier Type)	NT/NT	Normal/Clear
Juvenile Renal Disease Syndrome (Rhodesian Ridgeback Type)	NT/NT	Normal/Clear
L-2-Hydroxyglutaric Aciduria (Staffordshire Bull Terrier Type)	NT/NT	Normal/Clear
L-2-Hydroxyglutaric Aciduria (Yorkshire Terrier Type)	NT/NT	Normal/Clear
Lagotto Storage Disorder	NT/NT	Normal/Clear
Lamellar Keratinization and Trichomegaloblasts (Jack Russell Terrier Type)	NT/NT	Normal/Clear
Late Onset Ataxia	NT/NT	Normal/Clear
Lethal Acrodermatitis	NT/NT	Normal/Clear
Leukodystrophy Adrenoleukodystrophy, Type I	NT/NT	Normal/Clear
Leukodystrophy Adrenoleukodystrophy, Type III	NT/NT	Normal/Clear
Lipofuscinosis Neuronopathic	NT/NT	Normal/Clear
Lowe's Oculo Cerebro Renal Syndrome (Dachshund Type)	NT/NT	Normal/Clear
Lysosomal Sialuria	NT/NT	Normal/Clear
Macular Corneal Dystrophy (Labrador Retriever Type)	NT/NT	Normal/Clear
Mannosidosis Tremors (English Springer Spaniel Type)	NT/NT	May be at risk for developing disease
Mega Esophagus Australian	NT/NT	Normal/Clear
Mucopolysaccharidosis IIIA (Lysosomal Storage Disease)	NT/NT	Normal/Clear
Mucopolysaccharidosis I (Bichon Frise Type)	NT/NT	Normal/Clear
Mucopolysaccharidosis IIIB (Dachshund Type)	NT/NT	Normal/Clear
Mucopolysaccharidosis IIIB (Miniature Schnauzer Type)	NT/NT	Normal/Clear
Mucopolysaccharidosis IIIC (Dachshund Type)	NT/NT	Normal/Clear
Mucopolysaccharidosis VII (Shepherd Type)	NT/NT	Normal/Clear
Mucopolysaccharidosis VI (Miniature Schnauzer Type)	NT/NT	Normal/Clear
Mucopolysaccharidosis VII (Brazilian Terrier Type)	NT/NT	Normal/Clear
Multifocal Retinopathy 1	NT/NT	Normal/Clear
Multifocal Retinopathy 2	NT/NT	Normal/Clear
Myasthenia Gravis (Acquired Type)	NT/NT	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	X-Linked Female Normal
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
Narcolepsy (Dachshund Type)	WT/WT	Normal (Clear)
Narcolepsy (Doberman Pinscher Type)	WT/WT	Normal (Clear)
Narcolepsy (Labrador Retriever Type)	WT/WT	Normal (Clear)
Neonatal Ataxia	WT/WT	Normal (Clear)
Neonatal Cerebellar Cortical Degeneration	WT/WT	Normal (Clear)
Neonatal Encephalopathy with Seizures	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Giant Schnauzer Type)	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Papillon Type)	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Rottweiler Type)	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Spanish Water Dog Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis (Tibetan Terrier Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 1 (Cane Corso Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 1	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 10	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 12	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 2	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 4A	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Herding Dog Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 6	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 7	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 8 (Setter Type)	WT/WT	Normal (Clear)
Nonsyndromic Hearing Loss (Rottweiler Type)	WT/WT	Normal (Clear)
Oculocutaneous Albinism (Doberman Pinscher Type)	WT/WT	Normal (Clear)
Oculocutaneous Albinism (Small Breed Type)	WT/WT	Normal (Clear)
Osteochondrodysplasia	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Beagle Type)	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Dachshund Type)	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Golden Retriever Type)	WT/WT	Normal (Clear)
P2RY12 Receptor Platelet Disorder	WT/WT	Normal (Clear)
Pancreatitis (Miniature Schnauzer Type Risk Factor)	WT/M	Carrier (No increased risk)

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

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

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

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

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

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