DNA Testing Results

Labi 1

DogCheck

Owner
XXXXX

Registered Name
Labi 1

Microchip
123456789

Sample Material
EDTA blood

Laboratory #
201221-123456

Breed
Labrador Retriever

Date of birth
20.01.2019

Registration Number
XXXXXX

Sex
Female

Identity of the animal has been confirmed by microchip or tattoo by a veterinarian or another authorized person during sample collection:

Dr. Vet Specialist

Explanation of Results

Clear

The test result „clear“ indicates that the tested dog does NOT carry a mutation for a specific genetic disease.

Carrier

The test result „carrier“ indicates that the tested dog carries ONE copy of the mutation for a specific genetic disease. However, the tested dog may not be clinically affected by this mutation because two copies of the mutation are usually required to cause disease.

Carrier / At Risk

The test result „carrier / at risk“ indicates that the tested dog carries ONE copy of the mutation that causes a specific genetic disease. Based on the mode of inheritance ONE mutant copy of the gene can cause symptoms. Dogs with only one copy may develope less severe symptoms as compared to dogs with two copies of this mutation.

At Risk

The test result „carrier / at risk“ indicates that the tested dog carries ONE copy of the mutation that causes a specific genetic disease. Based on the mode of inheritance ONE mutant copy of the gene can cause symptoms. Dogs with only one copy may develope less severe symptoms as compared to dogs with two copies of this mutation.

No results

The test result „No result“ indicates that no result for a specific disease/trait of your dog could be determined during analysis. This does not mean that your dog is a carrier or at risk for this disorder. There are several reasons why a particular analysis may fail. Unique variations in certain regions of the DNA may exist and cause a test to fail for what reason no result can be obtained. It is also possible that the sample material was not sufficient for a successfull analysis. In addition, growth of bacteria or fungi can have a negative effect on sample quality and analysis. Results with at least 90% of successful analysis are considered as acceptable. In the case that your dog shows an unacceptable number of failed results, we will contact you for sending new sample material.

Breed specific genetic diseases

Genetic analysis	Genotype	Interpretation
Centronuclear Myopathy	WT/WT	Normal (Clear)
Cone Degeneration (Labrador Retriever Type)	WT/WT	Normal (Clear)
Congenital Myasthenic Syndrome (Labrador Retriever Type)	WT/WT	Normal (Clear)
Cystinuria (Labrador Retriever Type)	WT/WT	Normal (Clear)
Degenerative Myelopathy	WT/WT	Normal (Clear)
Degenerative Myelopathy (Common Variant) 0 Degenerative Myelopathy (Bernese Mountain Dog Variant) 0		
Elliptocytosis	WT/WT	Normal (Clear)
Exercise-Induced Collapse	WT/WT	Normal (Clear)
Hereditary Nasal Parakeratosis	WT/WT	Normal (Clear)
Hyperuricosuria	WT/WT	Normal (Clear)
Ichthyosis (Golden Retriever Type)	WT/WT	Normal (Clear)
Intervertebral Disc Disease Risk Factor and Chondrodystrophy (CDDY with IVDD)	WT/WT	Normal (Clear)
Macular Corneal Dystrophy (Labrador Retriever Type)	WT/M	Carrier
Myotubular Myopathy 1	WT/WT	X-Linked Female Normal
Narcolepsy (Labrador Retriever Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 (crd4/cord1)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 2	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd)	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Labrador Retriever Type)	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	WT/WT	Normal (Clear)

Breed specific genetic diseases

Genetic analysis	Genotype	Interpretation
Skeletal Dysplasia 2	WT/WT	Normal (Clear)
Stargardt Disease	WT/M	Carrier

Breed specific Coat Color and Trait

Genetic analysis		Genotype	Interpretation
A Locus (Agouti)		a^t/a^t	Tricolor, black and tan
B Locus (Brown)		B/B	Black coat, nose and foot pads
B Locus (Brown) - b^a	0		
B Locus (Brown) - b^c	0		
B Locus (Brown) - b^d	0		
B Locus (Brown) - b^s	0		
D Locus (Dilute)		D/D	Non dilute
D Locus (Dilute) - d^1	0		
D Locus (Dilute) - d^2	0		
E Locus (Yellow/Red)		E/e	Black (carries yellow/red)
K Locus (Dominant Black)		K^B/K^B	No agouti expression allowed

Coat Color and Trait

Genetic analysis		Genotype	Interpretation
A Locus (Agouti)		a^t/a^t	Tricolor, black and tan
A^s Locus (Saddle Tan)		N/N	No saddle tan/creeping tan
B Locus (Brown)		B/B	Black coat, nose and foot pads
B Locus (Brown) - b^a	0		
B Locus (Brown) - b^c	0		
B Locus (Brown) - b^d	0		
B Locus (Brown) - b^s	0		
Brachycephaly		BR/BR	Likely medium to long muzzle
Chondrodysplasia (CDPA)		cd/cd	Likely typical leg length
Cu Locus (Curly Hair)		No Result	No Result
D Locus (Dilute)		D/D	Non dilute
D Locus (Dilute) - d^1	0		
D Locus (Dilute) - d^2	0		
E Locus (Yellow/Red)		E/e	Black (carries yellow/red)
E^g Locus (Grizzle, Afghan Hound Type)		N/N	No grizzle
E^h Locus (Sable, Cocker Spaniel Type)		N/N	No sable
E^m Locus (Melanistic Mask)		N/N	No melanistic mask
H Locus (Harlequin, Great Dane Type)		h/h	No harlequin
Hr Locus (FOXI3 Hairless Gene Test, Mexican Hairless, Peruvian Hairless and Chinese Crested Type)		hr/hr	Coated
I Locus (Intensity)		No Result	No Result
IC Locus (Improper Coat/Furnishings)		IC/IC	No furnishings, improper coat
K Locus (Dominant Black)		K^B/K^B	No agouti expression allowed
L Locus (Long Hair/Fluffy)		Sh/Sh	Shorthaired
L Locus (Long Hair/Fluffy) - Lh^1	0		
L Locus (Long Hair/Fluffy) - Lh^2	0		

Coat Color and Trait

Genetic analysis	Genotype	Interpretation
M Locus (Merle)	m/m	Non merle
Polydactyly	pd/pd	Normal (typical) toes (likely no hind dewclaws)
S Locus (White Spotting, Parti, or Piebald)	S/S	No white spotting, flash, parti, or piebald
SD Locus (Shedding)	SD/SD	High shedding
Sex Determination	X/X	Female
T Locus (Natural Bobtail)	t/t	Normal tail

Respiratory

Genetic analysis	Genotype	Interpretation
Acute Respiratory Distress Syndrome	WT/WT	Normal (Clear)
Primary Ciliary Dyskinesia	WT/WT	Normal (Clear)
Recurrent Inflammatory Pulmonary Disease	WT/WT	Normal (Clear)

Eyes

Genetic analysis	Genotype	Interpretation
Collie Eye Anomaly	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 Stationary Night Blindness	WT/WT	Normal (Clear)
Dry Eye Curly Coat Syndrome	WT/WT	Normal (Clear)
Early Retinal Degeneration	WT/WT	Normal (Clear)
Glaucoma (Border Collie Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Alaskan Husky Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Portuguese Water Dog Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Shiba Inu Type)	WT/WT	Normal (Clear)
GM2 Gangliosidosis (Poodle Type)	WT/WT	Normal (Clear)
Hereditary Cataracts	WT/WT	Normal (Clear)
Hereditary Cataracts (Australian Shepherd Type)	WT/WT	Normal (Clear)
Juvenile Laryngeal Paralysis and Polyneuropathy	WT/WT	Normal (Clear)
Macular Corneal Dystrophy (Labrador Retriever Type)	WT/M	Carrier
Multifocal Retinopathy 1	WT/WT	Normal (Clear)
Multifocal Retinopathy 2	WT/WT	Normal (Clear)
Multifocal Retinopathy 3	WT/WT	Normal (Clear)

Eyes

Genetic analysis	Genotype	Interpretation
Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation	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 (Basset Hound 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 (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	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 1	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 2	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 (crd4/cord1)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Generalized	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 1	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 2	WT/WT	Normal (Clear)

Eyes

Genetic analysis	Genotype	Interpretation
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, X-Linked 1	WT/WT	X-Linked Female Normal
Retinal Dysplasia/Oculoskeletal Dysplasia 1	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 2	WT/WT	Normal (Clear)
Stargardt Disease	WT/M	Carrier

Blood and Clotting

Genetic analysis	Genotype	Interpretation
Canine Scott Syndrome	WT/WT	Normal (Clear)
Catalase Deficiency	WT/WT	Normal (Clear)
Coagulation Factor VII Deficiency	WT/WT	Normal (Clear)
Congenital Methemoglobinemia	WT/WT	Normal (Clear)
Elliptocytosis	WT/WT	Normal (Clear)
Factor XI Deficiency	WT/WT	Normal (Clear)
Glanzmann's Thrombasthenia (Great Pyrenees Type)	WT/WT	Normal (Clear)
Glanzmann's Thrombasthenia (Otterhound Type)	WT/WT	Normal (Clear)
Glycogen Storage Disease VII (Wachtelhund Type)	WT/WT	Normal (Clear)
Glycogen Storage Disease VII, PFK Deficiency	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 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
Leukocyte Adhesion Deficiency, Type III	WT/WT	Normal (Clear)
May-Hegglin Anomaly	WT/WT	Normal (Clear)
P2RY12 Receptor Platelet Disorder	WT/WT	Normal (Clear)
Prekallikrein Deficiency	WT/WT	Normal (Clear)

Blood and Clotting

Genetic analysis	Genotype	Interpretation
Pyruvate Dehydrogenase Deficiency	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Basenji Type)	No Result	No Result
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)
Thrombopathia (American Eskimo Dog Type)	WT/WT	Normal (Clear)
Thrombopathia (Basset Hound Type)	WT/WT	Normal (Clear)
Thrombopathia (Newfoundland Type)	WT/WT	Normal (Clear)
Von Willebrand Disease I	No Result	No Result
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)

Reproduction

Genetic analysis	Genotype	Interpretation
Persistent Müllerian Duct Syndrome	WT/WT	Normal (Clear)
Primary Ciliary Dyskinesia	WT/WT	Normal (Clear)

Skin and Hair

Genetic analysis		Genotype	Interpretation
Dry Eye Curly Coat Syndrome		WT/WT	Normal (Clear)
Dystrophic Epidermolysis Bullosa		WT/WT	Normal (Clear)
Ectodermal Dysplasia (Chesapeake Bay Retriever Type)		WT/WT	Normal (Clear)
Ectodermal Dysplasia, X-Linked (Dachshund Type)		WT/WT	X-Linked Female Normal
Ectodermal Dysplasia, X-Linked (Shepherd Type)		WT/WT	X-Linked Female Normal
Ehlers-Danlos Syndrome		WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Variant 1)	0		
Ehlers-Danlos Syndrome (Variant 2)	0		
Epidermolytic Hyperkeratosis		WT/WT	Normal (Clear)
Hereditary Footpad Hyperkeratosis (Irish Terrier and Kromfohrländer Type)		WT/WT	Normal (Clear)
Hereditary Nasal Parakeratosis		WT/WT	Normal (Clear)
Hereditary Nasal Parakeratosis (Greyhound Type)		WT/WT	Normal (Clear)
Ichthyosis (American Bulldog Type)		WT/WT	Normal (Clear)
Ichthyosis (Golden Retriever Type)		WT/WT	Normal (Clear)
Ichthyosis (Great Dane Type)		WT/WT	Normal (Clear)
Lethal Acrodermatitis		WT/WT	Normal (Clear)
Musladin-Lueke Syndrome		WT/WT	Normal (Clear)
Oculocutaneous Albinism		WT/WT	Normal (Clear)
Oculocutaneous Albinism (Small Breed Type)		WT/WT	Normal (Clear)
Renal Cystadenocarcinoma and Nodular Dermatofibrosis		WT/WT	Normal (Clear)

Heart

Genetic analysis	Genotype	Interpretation
Dilated Cardiomyopathy (Doberman Pinscher Type Risk Factor, Variant 1)	WT/WT	Normal (Clear)
Dilated Cardiomyopathy (Doberman Pinscher Type Risk Factor, Variant 2)	WT/WT	Normal (Clear)
Dilated Cardiomyopathy (Schnauzer Type)	WT/WT	Normal (Clear)

Hormonal

Genetic analysis	Genotype	Interpretation
Congenital Hypothyroidism with Goiter (Terrier Type)	WT/WT	Normal (Clear)

Immune System

Genetic analysis	Genotype	Interpretation
Catalase Deficiency	WT/WT	Normal (Clear)
Complement 3 Deficiency	WT/WT	Normal (Clear)
Cyclic Neutropenia	No Result	No Result
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)
Primary Ciliary Dyskinesia	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)	No Result	No Result
Shar-Pei Autoinflammatory Disease	WT/WT	Normal (Clear)
Trapped Neutrophil Syndrome	WT/WT	Normal (Clear)

Cancer

Genetic analysis	Genotype	Interpretation
Renal Cystadenocarcinoma and Nodular Dermatofibrosis	WT/WT	Normal (Clear)

Liver/Gastrointestinal

Genetic analysis	Genotype	Interpretation
Diffuse Cystic Renal Dysplasia and Hepatic Fibrosis	WT/WT	Normal (Clear)
Gallbladder Mucoceles	WT/WT	Normal (Clear)
Glycogen Storage Disease IIIa	WT/WT	Normal (Clear)
Intestinal Cobalamin Malabsorption (Beagle Type)	WT/WT	Normal (Clear)
Intestinal Cobalamin Malabsorption (Border Collie Type)	WT/WT	Normal (Clear)
Lundehund Syndrome	WT/WT	Normal (Clear)

Drug Metabolism

Genetic analysis	Genotype	Interpretation
Multidrug Resistance 1	WT/WT	Normal (Clear)

Midline Defect

Genetic analysis	Genotype	Interpretation
Cleft Palate and Syndactyly (Nova Scotia Duck Tolling Retriever Type)	WT/WT	Normal (Clear)
Juvenile Laryngeal Paralysis and Polyneuropathy	WT/WT	Normal (Clear)

Musculoskeletal

Genetic analysis	Genotype	Interpretation
Alaskan Malamute Polyneuropathy	WT/WT	Normal (Clear)
Centronuclear Myopathy	WT/WT	Normal (Clear)
Chondrodysplasia (Karelian Bear Dog and Norwegian Elkhound Type)	WT/WT	Normal (Clear)
Cleft Palate and Syndactyly (Nova Scotia Duck Tolling Retriever Type)	WT/WT	Normal (Clear)
Craniomandibular Osteopathy	WT/WT	Normal (Clear)
Degenerative Myelopathy	WT/WT	Normal (Clear)
Degenerative Myelopathy (Common Variant) 0 Degenerative Myelopathy (Bernese Mountain Dog Variant) 0		
Degenerative Myelopathy Early-Onset Risk Modifier (Pembroke Welsh Corgi Type)	No Result	No Result
Exercise-Induced Collapse	WT/WT	Normal (Clear)
Glycogen Storage Disease IIIa	WT/WT	Normal (Clear)
Glycogen Storage Disease VII (Wachtelhund Type)	WT/WT	Normal (Clear)
Glycogen Storage Disease VII, PFK Deficiency	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Alaskan Husky Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Portuguese Water Dog Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Shiba Inu Type)	WT/WT	Normal (Clear)
Greyhound Polyneuropathy	WT/WT	Normal (Clear)
Inherited Myopathy of Great Danes	WT/WT	Normal (Clear)
Intervertebral Disc Disease Risk Factor and Chondrodystrophy (CDDY with IVDD)	WT/WT	Normal (Clear)
Juvenile Laryngeal Paralysis and Polyneuropathy	WT/WT	Normal (Clear)
Mucopolysaccharidosis I	WT/WT	Normal (Clear)

Musculoskeletal

Genetic analysis	Genotype	Interpretation
Mucopolysaccharidosis VII (Shepherd Type)	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 and Longhaired Whippet Type)	WT/WT	Normal (Clear)
Myotonia Congenita (Australian Cattle Dog Type)	WT/WT	Normal (Clear)
Myotonia Congenita (Schnauzer Type)	WT/WT	Normal (Clear)
Myotubular Myopathy 1	WT/WT	X-Linked Female Normal
Myotubular Myopathy 1 (Rottweiler Type)	WT/WT	X-Linked Female Normal
Neuronal Ceroid Lipofuscinosis (Tibetan Terrier Type)	No Result	No Result
Osteochondrodysplasia	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Beagle Type)	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Dachshund Type)	No Result	No Result
Osteogenesis Imperfecta (Golden Retriever Type)	WT/WT	Normal (Clear)
Pembroke Welsh Corgi Duchenne Muscular Dystrophy	WT/WT	X-Linked Female Normal
Polydactyly	pd/pd	Normal (typical) toes (likely no hind dewclaws)
Polyneuropathy (Leonberger and Saint Bernard Type)	WT/WT	Normal (Clear)
Polyneuropathy (Leonberger Type 2)	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 2	WT/WT	Normal (Clear)
Skeletal Dysplasia 2	WT/WT	Normal (Clear)

Musculoskeletal

Genetic analysis	Genotype	Interpretation
Spinal Dysraphism	No Result	No Result
Spondylocostal Dysostosis	WT/WT	Normal (Clear)
Van Den Ende-Gupta Syndrome	WT/WT	Normal (Clear)

Neurologic

Genetic analysis	Genotype	Interpretation
Acral Mutilation Syndrome	WT/WT	Normal (Clear)
Adult Paroxysmal Dyskinesia	WT/WT	Normal (Clear)
Alaskan Husky Encephalopathy	WT/WT	Normal (Clear)
Alaskan Malamute Polyneuropathy	WT/WT	Normal (Clear)
Benign Familial Juvenile Epilepsy	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)
Cerebellar Ataxia (Finnish Hound Type)	WT/WT	Normal (Clear)
Cerebellar Cortical Degeneration	WT/WT	Normal (Clear)
Cerebellar Degeneration	WT/WT	Normal (Clear)
Dandy-Walker-Like Malformation	WT/WT	Normal (Clear)
Degenerative Myelopathy	WT/WT	Normal (Clear)
Degenerative Myelopathy (Common Variant) 0 Degenerative Myelopathy (Bernese Mountain Dog Variant) 0		
Degenerative Myelopathy Early-Onset Risk Modifier (Pembroke Welsh Corgi Type)	No Result	No Result
Episodic Falling Syndrome	WT/WT	Normal (Clear)
Exercise-Induced Collapse	WT/WT	Normal (Clear)
Fucosidosis	WT/WT	Normal (Clear)
Globoid Cell Leukodystrophy (Irish Setter Type)	WT/WT	Normal (Clear)
Globoid Cell Leukodystrophy (Terrier Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Alaskan Husky Type)	WT/WT	Normal (Clear)

Neurologic

Genetic analysis	Genotype	Interpretation
GM1 Gangliosidosis (Portuguese Water Dog Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Shiba Inu Type)	WT/WT	Normal (Clear)
GM2 Gangliosidosis (Poodle Type)	WT/WT	Normal (Clear)
Greyhound Polyneuropathy	WT/WT	Normal (Clear)
Hypomyelination (Weimaraner Type)	WT/WT	Normal (Clear)
Juvenile Laryngeal Paralysis and Polyneuropathy	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)
Lagotto Storage Disorder	WT/WT	Normal (Clear)
Late Onset Ataxia	WT/WT	Normal (Clear)
Mucopolysaccharidosis I	WT/WT	Normal (Clear)
Mucopolysaccharidosis IIIA (Dachshund Type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis IIIA (New Zealand Huntaway Type)	WT/WT	Normal (Clear)
Musladin-Lueke Syndrome	WT/WT	Normal (Clear)
Myotonia Congenita (Australian Cattle Dog Type)	WT/WT	Normal (Clear)
Myotonia Congenita (Schnauzer 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 Cerebellar Cortical Degeneration	WT/WT	Normal (Clear)

Neurologic

Genetic analysis	Genotype	Interpretation
Neonatal Encephalopathy with Seizures	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)	No Result	No Result
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 (Australian Cattle Dog/Border Collie Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever 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)
Polyneuropathy (Leonberger and Saint Bernard Type)	WT/WT	Normal (Clear)
Polyneuropathy (Leonberger Type 2)	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 2	WT/WT	Normal (Clear)
Sensory Neuropathy (Border Collie Type)	WT/WT	Normal (Clear)

Neurologic

Genetic analysis	Genotype	Interpretation
Spinal Dysraphism	No Result	No Result
Spinocerebellar Ataxia	WT/WT	Normal (Clear)
Startle Disease	WT/WT	Normal (Clear)

Neuromuscular

Genetic analysis	Genotype	Interpretation
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)
Episodic Falling Syndrome	WT/WT	Normal (Clear)
Globoid Cell Leukodystrophy (Irish Setter Type)	WT/WT	Normal (Clear)
Globoid Cell Leukodystrophy (Terrier Type)	WT/WT	Normal (Clear)
Musladin-Lueke Syndrome	WT/WT	Normal (Clear)
Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation	WT/WT	Normal (Clear)
Pompe Disease	WT/WT	Normal (Clear)
Startle Disease	WT/WT	Normal (Clear)

Metabolic

Genetic analysis	Genotype	Interpretation
Fucosidosis	WT/WT	Normal (Clear)
Globoid Cell Leukodystrophy (Irish Setter Type)	WT/WT	Normal (Clear)
Globoid Cell Leukodystrophy (Terrier Type)	WT/WT	Normal (Clear)
Glycogen Storage Disease Ia	WT/WT	Normal (Clear)
Glycogen Storage Disease IIIa	WT/WT	Normal (Clear)
Glycogen Storage Disease VII (Wachtelhund Type)	WT/WT	Normal (Clear)
Glycogen Storage Disease VII, PFK Deficiency	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Alaskan Husky Type)	WT/WT	Normal (Clear)
GM1 Gangliosidosis (Portuguese Water Dog Type)	WT/WT	Normal (Clear)
GM1 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)
Intestinal Cobalamin Malabsorption (Beagle Type)	WT/WT	Normal (Clear)
Intestinal Cobalamin Malabsorption (Border Collie Type)	WT/WT	Normal (Clear)
L-2-Hydroxyglutaric Aciduria (Staffordshire Bull Terrier Type)	WT/WT	Normal (Clear)
Lagotto Storage Disorder	WT/WT	Normal (Clear)
Mucopolysaccharidosis I	WT/WT	Normal (Clear)
Mucopolysaccharidosis IIIA (Dachshund Type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis IIIA (New Zealand Huntaway Type)	WT/WT	Normal (Clear)
Mucopolysaccharidosis VII (Shepherd Type)	WT/WT	Normal (Clear)

Metabolic

Genetic analysis	Genotype	Interpretation
Neuronal Ceroid Lipofuscinosis (Tibetan Terrier Type)	No Result	No Result
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 (Australian Cattle Dog/Border Collie Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever 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)
Pompe Disease	WT/WT	Normal (Clear)
Pyruvate Dehydrogenase Deficiency	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Basenji Type)	No Result	No Result
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)

Urinary Tract

Genetic analysis		Genotype	Interpretation
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, Variant 1)	0		
Cystinuria Type 3 (Bulldog Type Risk Factor, Variant 2)	0		
Diffuse Cystic Renal Dysplasia and Hepatic Fibrosis		WT/WT	Normal (Clear)
Familial Nephropathy (Cocker Spaniel Type)		WT/WT	Normal (Clear)
Familial Nephropathy (English Springer Spaniel Type)		No Result	No Result
Hereditary Nephritis (Samoyed Type)		WT/WT	X-Linked Female Normal
Hyperuricosuria		WT/WT	Normal (Clear)
Persistent Müllerian Duct Syndrome		WT/WT	Normal (Clear)
Primary Ciliary Dyskinesia		WT/WT	Normal (Clear)
Primary Hyperoxaluria		WT/WT	Normal (Clear)
Protein Losing Nephropathy		WT/WT, WT/WT	Normal (Clear) - No Increased Risk
Protein Losing Nephropathy (Variant 1)	0		
Protein Losing Nephropathy (Variant 2)	0		
Renal Cystadenocarcinoma and Nodular Dermatofibrosis		WT/WT	Normal (Clear)
Urolithiasis (Native American Indian Dog Type)		No Result	No Result

Dental

Genetic analysis	Genotype	Interpretation
Amelogenesis Imperfecta	WT/WT	Normal (Clear)
Dental Hypomineralization	WT/WT	Normal (Clear)
Ectodermal Dysplasia, X-Linked (Dachshund Type)	WT/WT	X-Linked Female Normal
Ectodermal Dysplasia, X-Linked (Shepherd Type)	WT/WT	X-Linked Female Normal

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The accuracy and precision of the test has been closely monitored by the laboratory. Since all analyses performed are DNA-based, in rare cases rare genomic variations may influence the analyses and lead to deviating/incorrect results. If you believe that there is an error in the results, please contact our laboratory immediately for further evaluation.