

Genetic Summary Report

Animal Name: Moses

Owner:

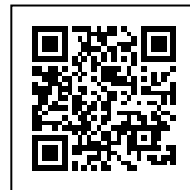
Jaime Ward

Membership Number : Not assigned

Member Body/Breed Club: Not assigned

Approved Collection Method: No





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Genetic Summary Report

Owner's details

Name:	Jaime Ward
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Animal's Details

Registered Name :	
Pet Name :	Moses
Registration Number :	
Breed :	Unknown
Microchip Number :	
Sex :	Intact Male
Date of Birth :	10th Jan 2025
Colour :	

Sample Collection Details

Case Number :	25A110509
Collected By :	
Approved Collection :	No
Sample Type :	SWAB

Test Details

Test Requested :	Canine HealthCheck®
Pet Name :	Moses
Date of Test :	13th May 2025

Authorisation

Sample with Lab ID Number 25A110509 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported:

Orivet Genetic Analyst



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Genetic Summary Report

Health Tests Reported (Continued)

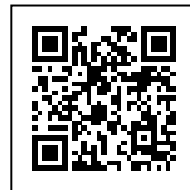
Breed Sense	Diseases	Result
	Achromatopsia (German Shorthaired Pointer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Achromatopsia (Labrador Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Achromatopsia (Shepherd/Arctic Breed Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Acral Mutilation Syndrome (SPANIEL & POINTER TYPE)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Acute Respiratory Distress Syndrome (Dalmatian Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Adult Onset Deafness Border Collie (Linkage Association Test)	NORMAL (N/N) FOR THE EAOD RISK VARIANT [RESEARCH ONLY]
	Adult Paroxysmal Dyskinesia	NORMAL (N/N) - [NO VARIANT DETECTED]
	Afibrinogenemia, Variant 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Airway Distress Syndrome (ADAMTS3) - Risk Marker	NORMAL (N/N) - [NO VARIANT DETECTED]
	Alport Syndrome/ Hereditary Nephritis (Samoyed Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Amelogenesis Imperfecta (Akita Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Amelogenesis Imperfecta (Italian Greyhound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Amelogenesis Imperfecta (Parson Russell Terrier Type), Variant 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Autosomal Hereditary Recessive Nephropathy (Familial Nephropathy)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Bernard-Soulier Syndrome (Cocker Spaniel Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Beta Mannisidosis (German Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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Health Tests Reported (Continued)

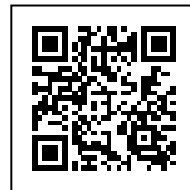
Breed Sense	Diseases	Result
	Bilateral Deafness MYO7A Gene (Doberman Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Brain Hypomyelination (Weimaraner Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Leukocyte Adhesion Deficiency Type I (Irish Setter Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Leukocyte Adhesion Deficiency Type III (German Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Multifocal Retinopathy 3	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Multifocal Retinopathy CMR1 (Coton de Tulear Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Multifocal Retinopathy CMR3 (Lapphund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Multiple System Degeneration (Chinese Crested)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Multiple System Degeneration (Kerry Blue Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cardiomyopathy and Juvenile Mortality (Belgian Shepherd)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Catalase Deficiency (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Centronuclear Myopathy (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Centronuclear Myopathy / Inherited Myopathy (Great Dane Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cerebellar Ataxia (Finnish Hound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cerebellar Cortical Degeneration (Hungarian Vizsla Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Charcot Marie Tooth Disease (Type 4B2)	NORMAL (N/N) - [NO VARIANT DETECTED]

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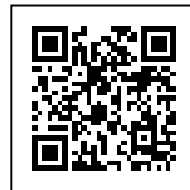
Breed Sense	Diseases	Result
	Chondrodysplasia (CDPA) & Chondrodystrophy (CDDY and IVDD)	NORMAL (N/N) FOR BOTH THE CFA18 (CDPA - SHORT LIMB) & CFA12 (CDDY - IVDD)
	Chondrodysplasia ITGA10 (Elkhound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Chronic Respiratory Tract Infection	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cleft Lip Palate (Nova Scotia Duck Tolling Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cobalamin Malabsorption (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cobalamin Malabsorption: Cubilin Deficiency (Border Collie Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Collie Eye Anomaly/Choroidal Hypoplasia	NORMAL (N/N) - [NO VARIANT DETECTED]
	Complement 3 Deficiency	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cone Degeneration (German Shepherd Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cone-Rod Dystrophy I - PRA (crd -4/cord I)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Deafness (Australian Stumpy Tail Cattle Dog Type) (LINKAGE CANDIDATE GENE)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Dyshormonogenic Hypothyroidism with Goiter (Shih Tzu)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Eye Malformation (Golden Retriever)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Hypothyroidism with Goiter (Tenterfield Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Hypothyroidism with Goiter (Toy Fox Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Macrothrombocytopenia	NORMAL (N/N) - [NO VARIANT DETECTED]

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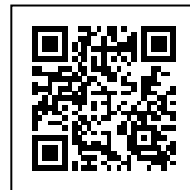
Breed Sense	Diseases	Result
	Congenital Methemoglobinemia (Poodle and Pomeranian Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Muscular Dystrophy (Italian Greyhound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Myasthenic Syndrome (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Myasthenic Syndrome (Jack Russell Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Myasthenic Syndrome (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Myasthenic Syndrome (Old Danish Pointer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Stationary Night Blindness	NORMAL (N/N) - [NO VARIANT DETECTED]
	Congenital Stationary Night Blindness (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Copper Toxicosis (Bedlington Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cranio-mandibular Osteopathy (Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Curly Coat Dry Eye Syndrome (Cavalier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cystinuria (Miniature Pinscher Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cystinuria (Newfoundland Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cystinuria (SLC3A1) (Australian Cattle Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cystinuria (SLC3A1) Labrador Retriever Type	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cystinuria Type 3 [Bulldog Risk Factor Variant 1]	NORMAL (N/N) - [NO VARIANT DETECTED]

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Breed Sense	Diseases	Result
	Cystinuria Type 3 [Bulldog Risk Factor Variant 2&3]	NORMAL (N/N) FOR BOTH THE HIGH RISK VARIANT 2 [SLC3A1] & LOW RISK VARIANT 3 [SLC7A9]
	Dandy Walker Like Malformation (Eurasier Breed Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Darier Disease and Associated Infundibular Cyst Formation	NORMAL (N/N) - [NO VARIANT DETECTED]
	Degenerative Myelopathy	NORMAL (N/N) - [NO VARIANT DETECTED]
	Degenerative Myelopathy (Bernese Mountain Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Degenerative Myelopathy Early-Onset Risk Modifier (Pembroke Welsh Corgi Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Dental Skeletal Retinal Anomaly [Cane Corso Type]	NORMAL (N/N) - [NO VARIANT DETECTED]
	Diffuse Cystic Renal Dysplasia and Hepatic Fibrosis	NORMAL (N/N) - [NO VARIANT DETECTED]
	Dihydroxyadenine Urolithiasis Type IA	NORMAL (N/N) - [NO VARIANT DETECTED]
	Duchenne Muscular Dystrophy (Border Collie Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Duchenne Muscular Dystrophy (Pembroke Welsh Corgi Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Dystrophic Epidermolysis Bullosa (Asian Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Dystrophic Epidermolysis Bullosa (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Early Onset Adult Deafness (Rhodesian Ridgeback)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Early-Onset Progressive Retinal Atrophy	NORMAL (N/N) - [NO VARIANT DETECTED]
	Early-Onset Epilepsy, Mitochondrial Dysfunction and Neurodegeneration	NORMAL (N/N) - [NO VARIANT DETECTED]

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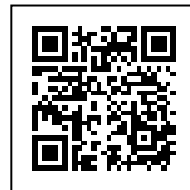
Breed Sense	Diseases	Result
	Ectodermal Dysplasia (Chesapeake Bay Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ectodermal Dysplasia, X-Linked (Dachshund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ectodermal Dysplasia, X-Linked (Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ehlers-Danlos Syndrome (Doberman Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ehlers-Danlos Syndrome (Labrador Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ehlers-Danlos Syndrome (Poodle Type), Variant 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ehlers-Danlos Syndrome (Poodle Type), Variant 2	NORMAL (N/N) - [NO VARIANT DETECTED]
	Elliptocytosis B-spectrin (Labrador Retriever/Poodle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Episodic Falling Syndrome (Cavalier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Exercise Induced Collapse (Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Exercise Induced Metabolic Myopathy	NORMAL (N/N) - [NO VARIANT DETECTED]
	Exfoliative Cutaneous Lupus Erythematosus (ECLE)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Factor IX Deficiency	NORMAL (N/N) - [NO VARIANT DETECTED]
	Factor VII Deficiency	NORMAL (N/N) - [NO VARIANT DETECTED]
	Factor XI Deficiency	NORMAL (N/N) - [NO VARIANT DETECTED]

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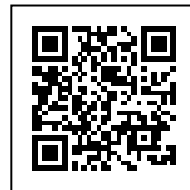
Breed Sense	Diseases	Result
	Fatal Neonatal Interstitial Lung Disease (LAMP)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Footpad Hyperkeratosis (Rottweiler)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Fucosidosis (English Springer Spaniel Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Gall Bladder Mucocele Formation (Shetland Sheepdog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Gangliosidosis (Portuguese Water Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Gangliosidosis GM1 GLB1 (Shiba Inu Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Gangliosidosis GM2 (Japanese Chin Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Gangliosidosis GM2 (Poodle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Gangliosidosis GM2 HEXB (Shiba Inu Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Gastrointestinal Polyposis	NORMAL (N/N) - [NO VARIANT DETECTED]
	Generalised Myoclonic Epilepsy (Rhodesian Ridgeback Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Generalised PRA 1 (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Generalised PRA 2 (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Glanzmann's Thrombasthenia (Great Pyrenees Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Globoid Cell Leukodystrophy (Irish Setter Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Globoid Cell Leukodystrophy/Krabbe's Disease	NORMAL (N/N) - [NO VARIANT DETECTED]

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Health Tests Reported (Continued)

Breed Sense	Diseases	Result
	Glomerulopathy (PLN) KIRREL2	NORMAL (N/N) - [NO VARIANT DETECTED]
	Glomerulopathy (PLN) NPHS1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Glycogen Storage Disease IA (Maltese Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Glycogen Storage Disease IIIA (Curly Coat Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	GM1 Gangliosidosis (Alaskan Husky Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Goniodysgenesis and Glaucoma (Border Collie)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Grey Collie Syndrome (Cyclic Hematopoiesis) AP3	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia A (Rhodesian Ridgeback Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia A / Factor VIII (German Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia A/Factor VIII Deficiency (Boxer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia B (Lhasa Apso Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia B (Rhodesian Ridgeback Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia B / Factor IX (Cairn Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hemophilia A (German Shepherd Dog, Type 1)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Ataxia (Australian Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Ataxia (Autophagy)	NORMAL (N/N) - [NO VARIANT DETECTED]

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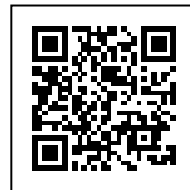
Breed Sense	Diseases	Result
	Hereditary Cataract	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Cataract (Dominant)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Deafness PTPRQ Gene (Doberman Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Footpad Hyperkeratosis	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Footpad Hyperkeratosis (Dogue de Bordeaux Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Methemoglobinemia, Variant 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Methemoglobinemia, Variant 3	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Nasal Parakeratosis (Greyhound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Nasal Parakeratosis/Dry Nose (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Nephropathy (English Springer Spaniel)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hyperuricosuria	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hypophosphatasia	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ichthyosis (American Bulldog)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ichthyosis (Golden Retriever Type 2)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ichthyosis (Great Dane)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ichthyosis (Jack Russell Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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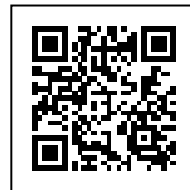
Breed Sense	Diseases	Result
	Ichthyosis (Norfolk Terrier)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ichthyosis A (Golden Retriever)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Inflammatory Myopathy	NORMAL (N/N) - [NO VARIANT DETECTED]
	Intestinal Cobalamin Malabsorption (Komondor Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ivermectin Sensitivity MDR1 (Multi Drug Resistance)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Junctional Epidermolysis Bullosa	NORMAL (N/N) - [NO VARIANT DETECTED]
	Juvenile Cataracts (Wirehaired Pointing Griffon Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Juvenile Dermatomyositis [MAP3K7CL RISK ALLELE]	bb - NO MAP3K7CL VARIANT DETECTED [THIS IS ONE OF THE 3 LOCI ASSOCIATED WITH DERMATOMYOSITIS]
	Juvenile Dermatomyositis [PAN2 RISK ALLELE]	Aa - ONE COPY OF THE PAN2 VARIANT [THIS IS ONE OF THE 3 LOCI ASSOCIATED WITH DERMATOMYOSITIS]
	Juvenile Epilepsy (Benign Familial) - Lagotto Romagnolo Type	NORMAL (N/N) - [NO VARIANT DETECTED]
	Juvenile Paroxysmal Dyskinesia	NORMAL (N/N) - [NO VARIANT DETECTED]
	L2- Hydroxyglutaric Aciduria	NORMAL (N/N) - [NO VARIANT DETECTED]
	L2-Hydroxyglutaric Aciduria (Staffordshire Bull Terrier Type) - Variant 2	NORMAL (N/N) - [NO VARIANT DETECTED]
	L2-Hydroxyglutaric Aciduria (Yorkshire Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Laryngeal Paralysis (Bull Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Laryngeal Paralysis (St Bernard/Leonberger Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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	Leigh-Like Subacute Necrotising Encephalopathy	NORMAL (N/N) - [NO VARIANT DETECTED]
	Lethal Acrodermatitis MKLN1 (Bull Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Leukoencephalomyelopathy (LEMP)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ligneous Membranitis	NORMAL (N/N) - [NO VARIANT DETECTED]
	Lundehund Syndrome	NORMAL (N/N) - [NO VARIANT DETECTED]
	Macrothrombocytopenia (Cairn/Norfolk Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Macular Corneal Dystrophy (Labrador Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Malignant Hyperthermia	NORMAL (N/N) - [NO VARIANT DETECTED]
	May-Hegglin Anomaly (Pug Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Microphthalmia, Anophthalmia & Coloboma (Wheaten Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mucopolysaccharidosis (Huntaway Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mucopolysaccharidosis IIIB (Schipperke Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mucopolysaccharidosis Type I (Plott Hound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mucopolysaccharidosis Type VII (Brazilian Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mucopolysaccharidosis VI (Great Dane Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mucopolysaccharidosis VI (Miniature Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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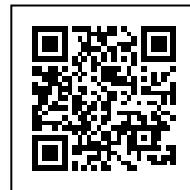
Breed Sense	Diseases	Result
	Mucopolysaccharidosis VII - Type II (German Shepherd/Belgian Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mullerian Duct Syndrome (Miniature Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Multifocal Retinopathy CMR1 (Mastiff/Bull Breeds Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Muscular Dystrophy (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Muscular Dystrophy (Landseer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Musladin-Lueke Syndrome (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myostatin Deficiency	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myotonia Congenita (American Bulldog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myotonia Congenita (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myotonia Congenita (Miniature Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myotonia Hereditaria (Cattle Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myotubular Myopathy 1 (Boykin Spaniel Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myotubular Myopathy X-Linked (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myotubular Myopathy X-Linked (Rottweiler Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Myxomatous Mitral Valve Disease 1 [NEBL535 Risk Variant]	NEGATIVE FOR NEBL1_535 RISK VARIANT - LINKED TO NEBL3_724 CANDIDATE VARIANT
	Myxomatous Mitral Valve Disease 2 [NEBL576 Risk Variant]	NEGATIVE FOR NEBL2_576 RISK VARIANT - LINKED TO NEBL3_724 CANDIDATE VARIANT

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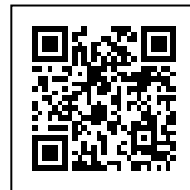
Breed Sense	Diseases	Result
	Myxomatous Mitral Valve Disease 3 [NEBL724 Candidate Variant]	NEGATIVE (G/G) FOR NEBL3_724 CANDIDATE VARIANT - REGULAR RISK FOR EARLY ONSET MMVD (REFER TO OTHER VARIANTS)
	Myxomatous Mitral Valve Disease 4 [NEBL890 Risk Variant]	HOMOZYGOUS FOR NEBL4_890 RISK VARIANT - NO PUBLISHED ASSOCIATION TO NEBL3_724 CANDIDATE VARIANT
	Myxomatous Mitral Valve Disease 5 [NEBL498 Risk Variant]	NEGATIVE FOR NEBL5_498 RISK VARIANT - NO PUBLISHED ASSOCIATION TO NEBL3_724 CANDIDATE VARIANT
	Narcolepsy (Dachshund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Narcolepsy (Dobermann Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Narcolepsy (Labrador)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Necrotising Meningoencephalitis (NME)	N/N - NO COPY OF THE PDE/NME ASSOCIATED RISK MARKER DETECTED
	Neonatal Ataxia (Coton du Tulear Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neonatal Cerebellar Cortical Degeneration (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neonatal Encephalopathy (Poodle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuroaxonal Dystrophy (Giant Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuroaxonal Dystrophy (Papillon Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuroaxonal Dystrophy (Rottweiler Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuroaxonal Dystrophy (Spanish Water Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neurodegenerative Vacuolar Storage Disease (Lagotto Romagnolo Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 1 (Dachshund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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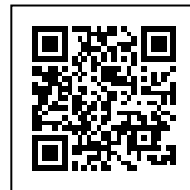
Breed Sense	Diseases	Result
	Neuronal Ceroid Lipofuscinosis 10 (American Bulldog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 4A - Cerebellar Ataxia (American Staffordshire Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 5 (Border Collie Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 6	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 6 (Australian Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 8 (English Setter Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis A (Tibetan Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis MFSD8 (Chinese Crested Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis NCL (Cane Corso Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis NCL (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis NCL (Saluki Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis NCL 12 (Cattle Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Nonsyndromic Hearing Loss	NORMAL (N/N) - [NO VARIANT DETECTED]
	Oculo-Skeletal Dysplasia (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Osteochondrodysplasia (Min Poodle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Osteogenesis Imperfecta (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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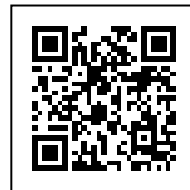
Breed Sense	Diseases	Result
	Osteogenesis Imperfecta (Chow Chow)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Osteogenesis Imperfecta (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Osteogenesis Imperfecta SERPINH1 (Dachshund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Paroxysmal Exercise-Induced Dyskinesia (PED) (Shetland Sheepdog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Periodic Fever Syndrome (Shar Pei Fever)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Phosphofructokinase Deficiency (German Spaniel)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Phosphofructokinase Deficiency (Spaniel Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pituitary Dwarfism	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pituitary Dwarfism (Karelian Bear Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Polycystic Kidney Disease (Bull Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Polyneuropathy (NDRG1) (Alaskan Malamute)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Polyneuropathy (NDRG1) (Greyhound)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Polyneuropathy and Neuronal Vacuolation (JLPP)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Polyneuropathy ARHGEF10 (Leonberger/Saint Bernard Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Polyneuropathy GJA9 (Leonberger/St Bernard Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation	NORMAL (N/N) - [NO VARIANT DETECTED]

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Health Tests Reported (Continued)

Breed Sense	Diseases	Result
	Post Operative Haemorrhage / Platelet Disorder (Mountain Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Prekallikrein Deficiency (Shih Tzu Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Ciliary Dyskenesia (Malamute Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Ciliary Dyskenesia (Old English Sheepdog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Glaucoma	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Hyperoxaluria	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Lens Luxation	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Open Angle Glaucoma (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Primary Open Angle Glaucoma and Primary Lens Luxation (Shar Pei Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Epidermal Nevi	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy (Giant Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy (Puli Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy (Shetland Sheepdog)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy - crd1PRA	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy - crd2PRA	NORMAL (N/N) - [NO VARIANT DETECTED]

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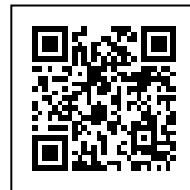
Breed Sense	Diseases	Result
	Progressive Retinal Atrophy - Late Onset (Basenji Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy - rcd1 (Irish Setter)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy - rcd3 (Corgi/Crested Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy 3	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy Dominant (Mastiff Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy PRA1 (Papillon Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy RCD4	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Retinal Atrophy, Early Onset (Spanish Water Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Progressive Rod Cone Degeneration (prcd) - PRA	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pyruvate Dehydrogenase Phosphatase Deficiency (Clumber Spaniel Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pyruvate Kinase Deficiency (Basenji Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pyruvate Kinase Deficiency (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pyruvate Kinase Deficiency (Labrador Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pyruvate Kinase Deficiency (Pug)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Pyruvate Kinase Deficiency (Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Raine Syndrome Dental Hypomineralisation (Border Collie)	NORMAL (N/N) - [NO VARIANT DETECTED]

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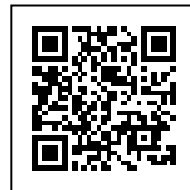
Breed Sense	Diseases	Result
	Recurrent Inflammatory Pulmonary (Collie Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Renal Cystadenocarcinoma and Nodular Dermatofibrosis (German Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Retinal Degeneration	NORMAL (N/N) - [NO VARIANT DETECTED]
	Retinal Degeneration (Norwegian Elkhound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Retinal Degeneration RCD1a	NORMAL (N/N) - [NO VARIANT DETECTED]
	Retinal Dysplasia/Oculoskeletal Dysplasia 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Retinal Dysplasia/Oculoskeletal Dysplasia 2	NORMAL (N/N) - [NO VARIANT DETECTED]
	Retinitis Pigmentosa (Lapponian Herder Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Retinopathy (Vallhund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Sanfilippo Syndrome Type A / Mucopolysaccharidosis IIIA (Dachshund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Sarcoglycan Deficient Muscular Dystrophy (SDMD)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Scott Syndrome (German Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Sensory Neuropathy (Border Collie Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Severe Combined Immunodeficiency (Frisian Water Dog)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Severe Combined Immunodeficiency Disease (Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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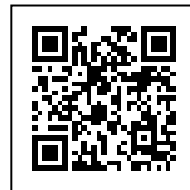
Breed Sense	Diseases	Result
	Severe Combined Immunodeficiency Disease, X-Linked (Corgi Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Sex Determination - ZFX/Y	DOG IS MALE
	Skeletal Dysplasia 2 (Mild Disproportionate Dwarfism)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spinal Dysraphism (Weimaraner Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spinocerebellar Ataxia	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spinocerebellar Ataxia (Alpine Dachsbracke Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spinocerebellar Ataxia (CAPN1)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spinocerebellar Ataxia (Jack Russell Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spondylocostal Dysostosis (Miniature Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spongy Degeneration with Cerebellar Ataxia (KCNJ10)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Spongy Degeneration with Cerebellar Ataxia (SDCA2) Belgian Shepherd	NORMAL (N/N) - [NO VARIANT DETECTED]
	Stargardt Disease (Retinal Degeneration)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Succinic Semialdehyde Dehydrogenase Deficiency (SSADHD)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Thrombasthenic Thrombopathia (Otterhound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Thrombopathia (Basset Hound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Thrombopathia (Newfoundland Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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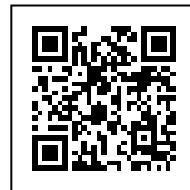
Breed Sense	Diseases	Result
	Thrombopathia (Platelet Dysfunction)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Trapped Neutrophil Syndrome (Border Collie Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Type A PRA 1 (Miniature Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ullrich-Like Muscular Dystrophy, Variant 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ullrich-Like Muscular Dystrophy, Variant 2	NORMAL (N/N) - [NO VARIANT DETECTED]
	Van den Ende-Gupta Syndrome (Wire Fox Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	von Willebrand Disease III (Kooikerhondje Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	von Willebrand Disease III (Shetland Sheepdog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	von Willebrand's Disease Type I	NORMAL (N/N) - [NO VARIANT DETECTED]
	von Willebrand's Disease Type II	NORMAL (N/N) - [NO VARIANT DETECTED]
	von Willebrand's Disease Type II (German Wirehaired Pointer)	NORMAL (N/N) - [NO VARIANT DETECTED]
	von Willebrand's Disease Type III	NORMAL (N/N) - [NO VARIANT DETECTED]
	X-Linked PRA (Samoyed/Husky Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	X-Linked PRA2 (Miniature Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

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Breed Sense	Traits	Result
	A Locus (Agouti)	a^t/a^t - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]
	B Locus (Brown) - Siberian Husky Type	B^h/B^h - NO COPY OF THE BROWN/RED [SIBERIAN HUSKY TYPE] VARIANT DETECTED
	Behaviour Propensity (Belgian Shepherd Type), Variant 2	A10/A10 - GENOTYPE NOT ASSOCIATED WITH ADVERSE BEHAVIOUR OF BELGIAN MALINOIS
	Black and Tan/Saddle Coat Colour	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Body Size IGSF1 "Bulky Gene"	NO COPY INSULIN LIKE GROWTH FACTOR (IGF1R) - ASSOCIATED WITH A REDUCTION OF BODY (BULKY) SIZE
	Brown Deletion = Bd	B^d/B^d - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [DELETION]
	Brown Insertion = Bc	B^c/B^c - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [INSERTION]
	Brown Stop Codon = Bs	B^s/B^s - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [STOP CODON]
	Brown TYRP1 [Australian Shepherd Type] = Ba	B^a/B^a - NO COPY OF THE BROWN/RED c.555T>G VARIANT [AUSTRALIAN SHEPHERD TYPE] DETECTED
	Brown TYRP1 [Lancashire Heeler Type] = Bl	B^l/B^l - DOES NOT CARRY BROWN/LIVER [TYRP1]
	Coat Composition CFA28 Gene (Double/Single Coat)	UDC/UDC - NO COPY OF THE DOUBLE COAT (DENSE UNDERCOAT) PHENOTYPE DETECTED
	Cocoa/Brown HPS3 [French Bulldog Type] = Co	B^{co}/B^{co} - NO COPY OF THE HPS3 COCOA VARIANT
	Curly Coat/Hair Variant 1	ONE COPY OF THE R151W (C1) VARIANT DETECTED - MOST LIKELY TO HAVE MODERATE 'WAVY' CURLY COAT PHENOTYPE
	D (Dilute) Locus	D/d - CARRIER OF DILUTE [WILL HAVE NORMAL PIGMENT]
	D Locus (Dilute) - d3	D^3/D^3 - NO COPY OF d3 ALLELE (DILUTE) - PIGMENT IS NORMAL
	Dilute D2 Variant (Chow Chow Type)	D^2/D^2 - NO COPY OF d2 ALLELE (DILUTE) - PIGMENT IS NORMAL
	E Locus (Ancient Red) - eA (Spitz and Scent Hound Type)	E^a/E^a - NO COPIES OF ANCIENT RED DETECTED

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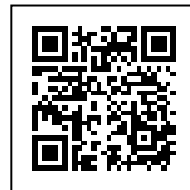
Breed Sense	Traits	Result
	E Locus (Arctic Breeds Pale/Yellow/White Variant) e3	E ³ /E ³ - DOMINANT BLACK DOES NOT CARRY "HUSKY TYPE" PALE YELLOW/WHITE
	E Locus (Cattle Dog Cream Variant) e2	E ² /E ² - DOMINANT BLACK DOES NOT CARRY "AUSTRALIAN CATTLE DOG" TYPE CREAM
	E Locus - (Cream/Red/Yellow)	e/e - HOMOZYGOUS FOR NON-EXTENSION [WHITE/YELLOW/APRICOT/WHEATEN]
	EG Locus (Grizzle)	Eg/Eg - NO GRIZZLE PHENOTYPE
	Eh Locus (Sable, Cocker Spaniel Type)	E ^h /E ^h - NO COPIES OF e ^h (SABLE COAT COLOUR) DETECTED
	EM (MC1R) Locus - Melanistic Mask	E ⁿ /E ⁿ - NO MELANISTIC MASK (E ⁿ) EXTENSION ALLELE
	Furnishings (RSPO2)	F/F - TWO COPIES OF FURNISHINGS - WILL SHOW FURNISHINGS
	Griscelli Syndrome Type 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hairlessness (American Hairless Terrier Type)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Hairlessness (Scottish Deerhound Type)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Harlequin (H) Pattern (Great Dane Type)	H/H - DOES NOT CARRY AND WILL NOT EXPRESS ANY HARLEQUIN PATTERN
	Himalayan Colour Pattern	H/H - DOES NOT CARRY AND WILL NOT EXPRESS ANY HIMALAYAN COLOUR PATTERN
	I Pheomelanin Locus Colour Intensity	I/i - ONE COPY OF THE MFSD12 INTENSITY/CREAM ALLELE (NOT LIKELY TO SHOW EXTREME DILUTION)
	K Locus (Dominant Black)	KB / k ^u or k ^{br} - ONE COPY DOMINANT BLACK (KB) and ONE COPY OF NON-BLACK (k ^u) dog MAY be brindled
	L Locus (Long Hair/Fluffy) - Lh2 (Akita, Eurasier, Samoyed, Siberian Husky Type)	L ² /L ² - NO COPY OF THE L2 (ARCTIC BREED TYPE) LONG HAIR PHENOTYPE DETECTED
	L Locus (Long Hair/Fluffy) - Lh3 (Eurasier Breed Type)	L ³ /L ³ - NO COPY OF THE L3 (EURASIER BREED TYPE) LONG HAIR PHENOTYPE DETECTED

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Breed Sense	Traits	Result
	Long Hair Gene - L1 (Canine C95F)	POSITIVE - SHOWING THE PHENOTYPE
	Long Hair Gene - L4 (Canine DUP GG)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	M Locus (Merle/Dapple)	m [171bp] / m [171bp] - NON MERLE SOLID COAT (NO CHANGE TO COAT or EYE COLOUR)
	Natural Bob Tail (Short Tail Phenotype)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Oculocutaneous Albinism (Bullmastiff)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Oculocutaneous Albinism (Small Breed Type)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Pheomelanin Intensity CFA18 (Poodle/Coonhound Type)	I/i - ONE COPY OF THE CFA18 INTENSITY ALLELE (NOT LIKELY TO SHOW EXTREME DILUTION)
	Pheomelanin Colour Intensity CFA2 (Various Breeds)	I/I - NO COPY OF CFA2 INTENSITY ALLELE (NOT LIKELY TO SHOW EXTREME DILUTION)
	Pheomelanin Colour Intensity CFA21 (Various Breeds)	I/i - ONE COPY OF THE CFA21 INTENSITY ALLELE (NOT LIKELY TO SHOW EXTREME DILUTION)
	Pheomelanin Intensity CFA15 (Retriever and Poodle Type)	i/i - TWO COPIES OF THE CFA15 INTENSITY ALLELE (LIKELY TO SHOW EXTREME DILUTION)
	Pied (BOTH SINE and REPEAT VARIANTS)	S/S - NO PIEBALD, WHITE SPOTTING, FLASH OR PARTI COAT COLOUR
	Polydactyl/Dewclaws	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Polydactyl (Great Pyrenees Type)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Screw Tail (DVL2)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Shedding (MC5R)	SHD/shd [MODERATE SHEDDING] - ONE COPY OF THE SHD (MC5R) VARIANT DETECTED [REFER TO FURNISHINGS (IC) FOR LEVEL]
	Ticking & Roan (TR)	r/r - NO ROAN or TICKING IN COAT

Owner's Name : Jaime Ward

Pet Name : Moses

Microchip Number

Approved Collection Method : No

Glossary of Genetic Terms (Results)



NORMAL (N/N) - [NO VARIANT DETECTED]

No presence of the variant (mutation) has been detected. The animal is clear of the disease and will not pass on any disease-causing mutation.

CARRIER (P/N) - [ONE COPY OF THE VARIANT DETECTED]

This is also referred to as HETEROZYGOUS. One copy of the normal gene and copy of the affected (mutant) gene has been detected. The animal will not exhibit disease symptoms or develop the disease. Consideration needs to be taken if breeding this animal - if breeding with another carrier or affected or unknown then it may produce an affected offspring.

POSITIVE (P/P) - [TWO COPIES OF THE VARIANT DETECTED]

Two copies of the disease gene variant (mutation) have been detected also referred to as HOMOZYGOUS for the variant. The animal may show symptoms (affected) associated with the disease. Appropriate treatment should be pursued by consulting a Veterinarian.

POSITIVE HETEROZYGOUS [ONE COPY OF THE DOMINANT VARIANT DETECTED]

Also referred to as POSITIVE ONE COPY or POSITIVE HETEROZYGOUS. This result is associated with a disease that has a dominant mode of inheritance. One copy of the normal gene (wild type) and affected (mutant) gene is present. Appropriate treatment should be pursued by consulting a Veterinarian. This result can still be used to produce a clear offspring.

NORMAL BY PARENTAGE HISTORY

The sample submitted has had its parentage verified by DNA. By interrogating the DNA profiles of the Dam, Sire and Offspring this information together with the history submitted for the parents excludes this animal from having this disease. The controls run confirm that the dog is NORMAL for the disease requested.

NORMAL BY PEDIGREE

The sample submitted has had its parentage verified by Pedigree. The pedigree has been provided and details (genetic testing reports) of the parents have been included. Parentage could not be determined via DNA profile as no sample was submitted.

NO RESULTS AVAILABLE

Insufficient information has been provided to provide a result for this test. Sire and Dam information and/or sample may be required. This result is mostly associated with tests that have a patent/license and therefore certain restrictions apply. Please contact the laboratory to discuss.

INDETERMINABLE

The sample submitted has failed to give a conclusive result. This result is mainly due to the sample failing to "cluster" or result in the current grouping. A recollection is required at no charge.

DNA PROFILE

Also known as a DNA fingerprint. This is unique for the animal. No animal shares the same DNA profile. An individual's DNA profile is inherited from both parents and can be used for verifying parentage (pedigrees). This profile contains no disease or trait information and is simply a unique DNA signature for that animal.



Glossary of Genetic Terms (Results)



PARENTAGE VERIFICATION/ QUALIFIES/CONFIRMED OR DOES NOT QUALIFY/EXCLUDED

Parentage is determined by examining the markers on the DNA profile. A result is generated and stated for all DNA parentage requests. Parentage confirmation reports can only be generated if a DNA profile has been carried out for Dam, Offspring and possible Sire/s.

PENDING

PENDING

TRAIT (PHENOTYPE)

A feature that an animal is born with (a genetically determined characteristic). Traits are a visual phenotype that range from colour to hair length, and also includes certain features such as tail length. If an individual is **AFFECTED** for a trait then it will show that characteristic eg. **AFFECTED** for the B (Brown) Locus or bb will be brown/chocolate.

POSITIVE – SHOWING THE PHENOTYPE

The animal is showing the trait or phenotype tested.

CLARIFICATION OF GENETIC TESTING

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health. However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health. However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

- 1) Some diseases may demonstrate signs of what Geneticists call "genetic heterogeneity". This is a term to describe an apparently single condition that may be caused by more than one mutation and/or gene
- 2) It is possible that there exists more than one disease that presents in a similar fashion and segregates in a single breed. These conditions – although phenotypically similar – may be caused by separate mutations and/or genes.
- 3) It is possible that the disease affecting your breed may be what Geneticists call an "oligogenic disease". This is a term to describe the existence of additional genes that may modify the action of a dominant gene associated with a disease. These modifier genes may for example give rise to a variable age of onset for a particular condition, or affect the penetrance of a particular mutation such that some animals may never develop the condition.

The range of hereditary diseases continues to increase and we see some that are relatively benign and others that can cause severe and/or fatal disease. Diagnosis of any disease should be based on pedigree history, clinical signs, history (incidence) of the disease and the specific genetic test for the disease. Penetrance of a disease will always vary not only from breed to breed but within a breed, and will vary with different diseases. Factors that influence penetrance are genetics, nutrition and environment. Although genetic testing should be a priority for breeders, we strongly recommend that temperament and phenotype also be considered when breeding.

Orivet Genetic Pet Care aims to frequently update breeders with the latest research from the scientific literature. If breeders have any questions regarding a particular condition, please contact us on (03) 9534 1544 or admin@orivet.com and we will be happy to work with you to answer any relevant questions.

