

Genetic Summary Report

Animal Name: Dodi

Owner: Ofer Green

Membership Number: Not assigned

Member Body/Breed Club: Not assigned

Approved Collection Method: Yes





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Genetic Summary Report

Owner's details

Name	Ofer Green
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Animal's Details

Registered Name	—
Pet Name	Dodi
Registration Number	—
Breed	Mixed Breed
Microchip Number	900255120075408
Sex	Male
Date of Birth	Not provided
Colour	—

Sample Collection Details

Case Number	26ORPWGZJCD
Collected By	OZ8571500
Approved Collection	Yes
Sample Type	SWAB

Test Details

Test Requested	Geno Pet+ (Breed Identification & Health Screen)
Pet Name	Dodi
Date of Test	24th Sep 2026

Authorisation

Sample with Lab ID Number 26ORPWGZJCD 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

Breed Sense	Cardiorespiratory (Associated with Heart and Lungs)	Result
	Cardiomyopathy and Juvenile Mortality (Belgian Shepherd)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Fatal Neonatal Interstitial Lung Disease (LAMP)	NORMAL (N/N) - [NO VARIANT DETECTED]
	QT Syndrome*	NORMAL (N/N) - [NO VARIANT DETECTED]



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Genetic Summary Report

Health Tests Reported

Breed Sense	Cardiovascular – Associated with the heart and blood vessels	Result
	Dilated Cardiomyopathy (Schnauzer Type)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Genetic Summary Report

Health Tests Reported

Breed Sense	Dental - Associated with the teeth and associated structures	Result
	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]
	Dental Skeletal Retinal Anomaly [Cane Corso Type]#	NORMAL (N/N) - [NO VARIANT DETECTED]
	Raine Syndrome Dental Hypomineralisation (Border Collie)	NORMAL (N/N) - [NO VARIANT DETECTED]



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Genetic Summary Report

Health Tests Reported (Continued)

Breed Sense	Dermatologic - Associated with the skin	Result
	Congenital Cornification (Labrador Retriever Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Darier Disease and Associated Infundibular Cyst Formation	NORMAL (N/N) - [NO VARIANT DETECTED]
	Dystrophic Epidermolysis Bullosa (Asian Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Dystrophic Epidermolysis Bullosa (Basset Hound Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Dystrophic Epidermolysis Bullosa (Golden Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ectodermal Dysplasia, X-Linked (Shepherd 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), Variant 1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Footpad Hyperkeratosis (Rottweiler)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Footpad Hyperkeratosis	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]
	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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Health Tests Reported

Breed Sense	Dermatologic - Associated with the skin	Result
	Ichthyosis (Norfolk Terrier)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Junctional Epidermolysis Bullosa (Australian Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Lethal Acrodermatitis MKLN1 (Bull Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Musladin-Lueke Syndrome (Beagle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Endocrine - Associated with hormone-producing organs	Result
	Congenital Dysmorphogenic Hypothyroidism with Goiter (Shih Tzu)	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]
	Pituitary Dwarfism (Karelian Bear Dog Type)	NORMAL (N/N) - [NO VARIANT DETECTED]



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Genetic Summary Report

Health Tests Reported (Continued)

Breed Sense	Haemolympathic – Associated with the blood and lymph	Result
	Bernard-Soulier Syndrome (Cocker Spaniel Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Canine Chondrodysplasia (Norwegian Elkhound, Karelian Bear)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Dilated Cardiomyopathy and Sudden Death (Manchester Terrier, English Toy Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Elliptocytosis B-spectrin (Labrador Retriever/Poodle Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Factor VII Deficiency	NORMAL (N/N) – [NO VARIANT DETECTED]
	Factor XI Deficiency	NORMAL (N/N) – [NO VARIANT DETECTED]
	Glanzmann Thrombasthenia Type I (Unknown Breed Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Glanzmann's Thrombasthenia (Great Pyrenees Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Globoid Cell Leukodystrophy/Krabbe's Disease	NORMAL (N/N) – [NO VARIANT DETECTED]
	Haemophilia A (German Shepherd Dog, Type 1)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Haemophilia A (Havanese Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Haemophilia A (Labrador Retriever Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Haemophilia A/Factor VIII Deficiency (Boxer Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Haemophilia B (Airedale Terrier Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Haemophilia B (Lhasa Apso Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Haemophilia B / Factor IX (Cairn Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported (Continued)

Breed Sense	Haemolympathic – Associated with the blood and lymph	Result
	Ligneous Membranitis	NORMAL (N/N) – [NO VARIANT DETECTED]
	Macrothrombocytopenia (Cairn/Norfolk Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	May-Hegglin Anomaly (Pug Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Muscular Dystrophy (Cavalier King Charles Spaniel Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Myeloperoxidase Deficiency*	NORMAL (N/N) – [NO VARIANT DETECTED]
	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]
	Scott Syndrome (German Shepherd Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Thrombopathia (Basset Hound Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Thrombopathia (Finnish Spitz 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 III	NORMAL (N/N) – [NO VARIANT DETECTED]
	Xanthine Urolithiasis (Cavalier King Charles Spaniel Type)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Haemolympathic – Associated with the blood and lymph	Result
	Xanthine Urolithiasis (Mixed Breed)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Immunologic – Associated with the organs and cells of the immune system	Result
	Canine Leukocyte Adhesion Deficiency Type III (German Shepherd Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Complement 3 Deficiency	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]
	Severe Combined Immunodeficiency Disease, X-Linked (Corgi Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Trapped Neutrophil Syndrome (Border Collie Type)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported (Continued)

Breed Sense	Metabolic – Associated with the enzymes and metabolic processes of cells	Result
	Catalase Deficiency (Beagle 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]
	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]
	Globoid Cell Leukodystrophy (Irish Setter Type)	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]
	Hereditary Vitamin D-Resistant Rickets Type II*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Intestinal Cobalamin Malabsorption (Komondor 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 VII (Brazilian Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Mucopolysaccharidosis VI (Miniature Pinscher Type)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Metabolic – Associated with the enzymes and metabolic processes of cells	Result
	Mucopolysaccharidosis VII – Type II (German Shepherd/Belgian Shepherd Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis NCL (Golden Retriever Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Phosphofructokinase Deficiency (Spaniel Type)	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 (Pug)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Pyruvate Kinase Deficiency (Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Succinic Semialdehyde Dehydrogenase Deficiency (SSADHD)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported (Continued)

Breed Sense	Musculoskeletal – Associated with muscles, bones and associated structures	Result
	Centronuclear Myopathy (Labrador Retriever Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Centronuclear Myopathy/Inherited Myopathy (Great Dane Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	NORMAL (N/N) – NO CHONDRODYSTROPHY (CDDY) VARIANT DETECTED (NO INCREASED IVDD RISK)
	Cleft Palate*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Congenital Muscular Dystrophy (Italian Greyhound Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Congenital Muscular Dystrophy (Staffordshire Terrier Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Congenital Myasthenic Syndrome (Golden Retriever Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Craniomandibular Osteopathy (Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Disproportionate Dwarfism (Dogo Argentino Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Hypophosphatasia (Karelian Bear Dog)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Inflammatory Myopathy	NORMAL (N/N) – [NO VARIANT DETECTED]
	Juvenile Paroxysmal Dyskinesia	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]
	Muscular Dystrophy (Norfolk Terrier Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Myostatin Deficiency	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Musculoskeletal – Associated with muscles, bones and associated structures	Result
	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*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Nemaline Myopathy*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Osteochondrodysplasia*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Osteochondromatosis (American Staffordshire Terrier Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Osteogenesis Imperfecta (Beagle Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Osteogenesis Imperfecta SERPINH1 (Dachshund Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Sarcoglycan Deficient Muscular Dystrophy (SDMD)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Skeletal Dysplasia 2 (Mild Disproportionate Dwarfism)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Spondylocostal Dysostosis (Miniature Schnauzer Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Van den Ende-Gupta Syndrome (Wire Fox Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported (Continued)

Breed Sense	Nervous system / Neurologic - Associated with the brain, spinal cord and nerves	Result
	Acral Mutilation Syndrome (SPANIEL & POINTER TYPE)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Alexander Disease*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ataxia (KCNP4 - Norwegian Buhund Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Bilateral Deafness MYO7A Gene (Dobermann Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Brain Hypomyelination (Weimaraner Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Canine Multiple System Degeneration (Chinese Crested)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cerebellar Ataxia (Finnish Hound Type) SEL1L gene	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cerebellar Cortical Degeneration (Hungarian Vizsla Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cerebellar Degeneration (RAB24 gene)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cerebral Dysfunction*	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]
	Dandy Walker Like Malformation (Eurasier Breed Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Degenerative Myelopathy	CARRIER (P/N) - [ONE COPY OF THE VARIANT DETECTED]
	Demyelinating Neuropathy*	NORMAL (N/N) - [NO VARIANT DETECTED]



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Health Tests Reported (Continued)

Breed Sense	Nervous system / Neurologic – Associated with the brain, spinal cord and nerves	Result
	Dermoid Sinus (Ridge Gene)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Early Onset Adult Deafness (Rhodesian Ridgeback)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Early-Onset Epilepsy, Mitochondrial Dysfunction and Neurodegeneration	NORMAL (N/N) – [NO VARIANT DETECTED]
	Encephalopathy (Alaskan Husky 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]
	Fetal Onset Neuroaxonal Dystrophy*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Generalised Myoclonic Epilepsy (Rhodesian Ridgeback Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Hereditary Deafness PTPRQ Gene (Dobermann Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Ivermectin Sensitivity MDR1 (Multi Drug Resistance)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Juvenile Epilepsy (Benign Familial) (Lagotto Romagnolo Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	L-2-Hydroxyglutaric Aciduria (West Highland White Terrier Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	L2- Hydroxyglutaric Aciduria	NORMAL (N/N) – [NO VARIANT DETECTED]
	Leigh-Like Subacute Necrotising Encephalopathy	NORMAL (N/N) – [NO VARIANT DETECTED]
	Narcolepsy (Dachshund Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Narcolepsy (Labrador)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported (Continued)

Breed Sense	Nervous system / Neurologic – Associated with the brain, spinal cord and nerves	Result
	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 (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]
	Neuronal Ceroid Lipofuscinosis 5 (Border Collie Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 8 (Alpine Dachsbracke Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis 8 (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 MFSD8 (Chinese Crested Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Neuronal Ceroid Lipofuscinosis NCL (Saluki Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Polyneuropathy (NDRG1) (Alaskan Malamute)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Polyneuropathy and Neuronal Vacuolation (JLPP)	NORMAL (N/N) – [NO VARIANT DETECTED]



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Breed Sense	Nervous system / Neurologic – Associated with the brain, spinal cord and nerves	Result
	Sanfilippo Syndrome Type A / Mucopolysaccharidosis IIIA (Dachshund Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Sensory Neuropathy (Border Collie Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Shaking Puppy Syndrome (Border Terrier Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Spinocerebellar Ataxia (CAPN1 Parson Russell Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Spinocerebellar Ataxia (SCN8A – Alpine Dachsbracke Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Spinocerebellar Ataxia (SLC12A6 Belgian Shepherd Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Spongy Degeneration SDCA2*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Spongy Degeneration with Cerebellar Ataxia (KCNJ10) (Belgian Shepherd Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Startle Disease (Miniature American Shepherd Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Startle Hyperekplexia (Wolfhound Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	X-Linked Tremors*	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Ontogeny / ontogenesis (or simply developmental) – Developmental (Diseases associated with in-utero development)	Result
	Cleft Lip Palate (Nova Scotia Duck Tolling Retriever Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Diffuse Cystic Renal Dysplasia and Hepatic Fibrosis	NORMAL (N/N) – [NO VARIANT DETECTED]
	Nonsyndromic Hearing Loss	NORMAL (N/N) – [NO VARIANT DETECTED]



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Health Tests Reported (Continued)

Breed Sense	Ophthalmologic – Associated with the eyes and associated structures	Result
	Achromatopsia (Shepherd/Arctic Breed Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Canine Multifocal Retinopathy 3	NORMAL (N/N) – [NO VARIANT DETECTED]
	Canine Multifocal Retinopathy CMR2 (Coton du Tulear Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Cone Degeneration (German Shepherd Dog Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Cone-Rod Dystrophy 2*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Cone-Rod Dystrophy I – PRA (crd -4/cord I)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Congenital Eye Malformation (Golden Retriever)	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]
	Generalised PRA (Schapendoes Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	Generalised PRA 1 (Golden Retriever Type)	CARRIER (P/N) – [ONE COPY OF THE VARIANT DETECTED]
	Generalised PRA 2 (Golden Retriever Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Juvenile Cataracts (Wirehaired Pointing Griffon Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Microphthalmia, Anophthalmia & Coloboma (Wheaten Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Multifocal Retinopathy CMR1 (Mastiff/Bull Breeds Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Primary Lens Luxation	NORMAL (N/N) – [NO VARIANT DETECTED]



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Genetic Summary Report

Health Tests Reported (Continued)

Breed Sense	Ophthalmologic – Associated with the eyes and associated structures	Result
	Primary Open Angle Glaucoma (Basset Fauve de Bretagne 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 Retinal Atrophy (BBS2)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Progressive Retinal Atrophy (CNGA)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Progressive Retinal Atrophy (Lapponian Herder Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Progressive Retinal Atrophy (Swedish Vallhund Type)*	NORMAL (N/N) – [NO VARIANT DETECTED]
	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 1 (Italian Greyhound Type)*	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, Early Onset (Spanish Water Dog Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Progressive Retinal Atrophy, PRA4 (Lhasa Apso Type)	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]



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Health Tests Reported

Breed Sense	Ophthalmologic - Associated with the eyes and associated structures	Result
	Stargardt Disease (Retinal Degeneration)	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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Health Tests Reported

Breed Sense	Reproductive - Associated with the reproductive tract	Result
	Mullerian Duct Syndrome (Miniature Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Respiratory – Associated with the lungs and respiratory system	Result
	Acute Respiratory Distress Syndrome (Dalmatian Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Laryngeal Paralysis (Bull Terrier Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Primary Ciliary Dyskenesia (Malamute Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Primary Ciliary Dyskinesia (Old English Sheepdog Type)	NORMAL (N/N) – [NO VARIANT DETECTED]
	Recurrent Inflammatory Pulmonary (Collie Type)	NORMAL (N/N) – [NO VARIANT DETECTED]

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Health Tests Reported (Continued)

Breed Sense	Trait (Associated with Phenotype)	Result
	A Locus (Agouti)	a^t/a^t - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]
	Altitude Adaptation*	NEGATIVE - NO COPY OF THE TRAIT ASSOCIATED SNPS FOR ALTITUDE ADAPTATION
	B Locus (Brown) - Siberian Husky Type	B^h/B^h - NO COPY OF THE BROWN/RED [SIBERIAN HUSKY TYPE] VARIANT DETECTED
	Back Muscle and Bulk*	NO COPY INSULIN LIKE GROWTH FACTOR (IGF1R) - ASSOCIATED WITH A REDUCTION OF BODY (BULKY) SIZE
	Blue Eyes (Siberian Husky Type)*	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Brown Deletion = B^d	B^d/b^d - CARRIER OF BROWN/LIVER/RED/CHOCOLATE [DELETION]
	Brown Insertion = B^c	B^c/b^c - CARRIER OF BROWN/LIVER/RED/CHOCOLATE [INSERTION]
	Brown Stop Codon = B^s	B^s/B^s - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [STOP CODON]
	Brown TYRP1 [Australian Shepherd Type] = B^a	B^d/B^d - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [DELETION]
	Brown TYRP1 [Lancashire Heeler Type] = B^l	B^l/B^l - DOES NOT CARRY BROWN/LIVER [TYRP1]
	Chondrodysplasia (CDPA)	NORMAL (N/N) - NO CHONDRODYSPLASIA (CDPA) LEG SHORTENING VARIANT DETECTED
	Cocoa/Brown HPS3 [French Bulldog Type] = B^{co}	B^{co}/B^{co} - NO COPY OF THE HPS3 COCOA VARIANT
	Curly Coat/Hair Variant 1	TWO COPIES OF THE R151W (C1) VARIANT - LIKELY TO HAVE CURLY (TIGHT) HAIR PHENOTYPE
	D (Dilute) Locus	D/D - NO DILUTE ALLELE PRESENT [FULL COLOUR]
	D Locus (Dilute) - d^3	D^3/D^3 - NO COPY OF d^3 ALLELE (DILUTE) - PIGMENT IS NORMAL
	Dilute D2 Variant (Chow Chow Type)	D^2/D^2 - NO COPY OF d^2 ALLELE (DILUTE) - PIGMENT IS NORMAL
	E Locus (Arctic Breeds Pale/Yellow/White Variant) e^3	E^3/E^3 - DOMINANT BLACK DOES NOT CARRY "HUSKY TYPE" PALE YELLOW/WHITE



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Genetic Summary Report

Health Tests Reported (Continued)

Breed Sense	Trait (Associated with Phenotype)	Result
	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]
	Eh Locus (Sable, Cocker Spaniel Type)	E^h/E^h - DOES NOT CARRY SABLE
	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
	Hr Locus FOXI3 Hairless Gene Test (Mexican Hairless, Peruvian Hairless and Chinese Crested Type) - SINGLE ASSAY TEST	hr/hr - COATED
	I Pheomelanin Locus Colour Intensity	I/I - NO COPY OF MFSD12 INTENSITY/CREAM ALLELE (NOT LIKELY TO SHOW EXTREME DILUTION)
	K Locus (Dominant Black)	k^Y/k^Y - RECESSIVE NON- BLACK [COLOUR PATTERN DETERMINED BY A LOCUS]
	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
	Long Hair Gene - L1 (Canine C95F)	POSITIVE - SHOWING THE PHENOTYPE
	Long Hair Gene - L4 (Canine DUP GG)	L_4/L_4 - NO COPIES OF LHG DETECTED



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Genetic Summary Report

Health Tests Reported

Breed Sense	Trait (Associated with Phenotype)	Result
	M Locus (Merle/Dapple)	m/m [171/171bp] - NON MERLE SOLID COAT (NO CHANGE TO COAT COLOUR)
	Natural Bob Tail (Short Tail Phenotype)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Oculocutaneous Albinism (Doberman Pinscher Type)	N/N - NO COPIES OF THE ALBINO VARIANT DETECTED
	Piebald/White Spotting (S Locus)	S/sp - CARRIER OF PIEBALD [LIMITED WHITE SPOTTING, FLASH OR PARTI]
	Polydactyl/Dewclaws	PD/PD - NORMAL, TYPICAL CLAWS (TOES) NO HINDCLAWS
	Saddle Coat Color	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Shedding (MC5R)	SHD/SHD [LOW SHEDDING] - NO COPIES OF THE SHEDDING (MC5R) VARIANT DETECTED [REFER TO FURNISHINGS (IC) FOR LEVEL]
	Short Snout (BMP3 variant)*	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Short Snout (SMOC2 variant)*	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Ticking & Roan (TR)	r/r - NO ROAN or TICKING IN COAT
	Weight and Appetite Obesity Prone (Labrador Retriever Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]



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Genetic Summary Report

Health Tests Reported (Continued)

Breed Sense	Uncategorised	Result
	Amelogenesis Imperfecta (Lancashire Heeler Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	CNS Atrophy with Cerebellar Ataxia (Belgian Shepherd Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cone-Rod Dystrophy*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cranio-mandibular Osteopathy (Australian Terrier Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cranio-mandibular Osteopathy (Basset Hound Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Cranio-mandibular Osteopathy (Weimaraner Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Ear Fold (Floppy/Erect)	G/G - LIKELY PRICKED EARS (ERECT)
	Early-Onset Progressive Retinal Atrophy (Portuguese Water Dog Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Focal Non-Epidermolytic Palmoplantar Keratoderma*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Glycogen Storage Disease Type Ia (German Pinscher Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia A (German Shepherd Dog, Type 2)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Haemophilia A (Old English Sheepdog Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Ataxia (Belgian Malinois Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Calcium Oxalate Urolithiasis*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Intestinal Lipid Malabsorption (Australian Kelpie Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Junctional Epidermolysis Bullosa (Australian Cattle Dog Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Uncategorised	Result
	Leukodystrophy (Standard Schnauzer Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Limb-girdle Muscular Dystrophy Variant 1 (Boston Terrier Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Limb-girdle Muscular Dystrophy Variant 2 Boston Terrier Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Long Hair Gene - LH5 (4517257)*	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Polydactyl/Dewclaws (Asian Breeds)*	PD/PD - NORMAL, TYPICAL CLAWS (TOES) NO HINDCLAWS
	Primary Open Angle Glaucoma (Petit Basset Griffon Vendeen Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Widow's Peak (Afghan Hound & Saluki Type)*	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Widow's Peak (Ancient Dog)*	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE



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Health Tests Reported

Breed Sense	Urinary system / Urologic - Associated with the kidneys, bladder, ureters and urethra	Result
	Alport Syndrome/Hereditary Nephritis (Samoyed Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Autosomal Hereditary Recessive Nephropathy (Familial Nephropathy)	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]
	Dihydroxyadenine Urolithiasis Type IA	NORMAL (N/N) - [NO VARIANT DETECTED]
	Fanconi Syndrome	NORMAL (N/N) - [NO VARIANT DETECTED]
	Glomerulopathy (PLN) NPHS1	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hereditary Nephropathy (English Springer Spaniel)	NORMAL (N/N) - [NO VARIANT DETECTED]
	Hyperuricosuria	NORMAL (N/N) - [NO VARIANT DETECTED]
	Renal Cystadenocarcinoma and Nodular Dermatofibrosis (German Shepherd Type)	NORMAL (N/N) - [NO VARIANT DETECTED]



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Health Tests Reported

Breed Sense	Urogenital (Associated with the Urinary and Genital Tracts)	Result
	Polycystic Kidney Disease (Bull Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
	X-Linked Hereditary Nephropathy (Navasota Dog Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]
	Xanthine Urolithiasis (Manchester Terrier Type)	NORMAL (N/N) - [NO VARIANT DETECTED]

Glossary of Genetic Terms (Results)

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.

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.

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.

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.

