MyDogDNA® 2015 - Included Disease Tests

BLOOD DISORDERS

- Congenital Macrothrombocytopenia; disease-linked SNP originally found in Norfolk and Cairn Terrier - **NEW**
- Elliptocytosis - **NEW**
- Factor VIII deficiency or Haemophilia A; mutation originally found in Boxer - **NEW**
- Factor VIII deficiency or Haemophilia A; p.Cys548Tyr mutation originally found in German Shepherd - **NEW**
- Factor IX Deficiency or Haemophilia B; mutation originally found in Airedale Terrier - **NEW**
- Factor IX Deficiency or Haemophilia B; mutation originally found in German Wirehaired Pointer - **NEW**
- Factor IX Deficiency or Haemophilia B; mutation originally found in Rhodesian Ridgeback - **NEW**
- Prekallikrein Deficiency - **NEW**
- Pyruvate Kinase Deficiency of Erythrocyte; mutation originally found in Basenji - **NEW**
- Bleeding disorder due to P2RY12 defect
- Canine Cyclic Neutropenia (Gray Collie Syndrome)
- Factor VII Deficiency
- Factor VIII deficiency or Haemophilia A; mutation originally found in German Shepherd Dog
- Factor IX Deficiency or Haemophilia B; mutation originally found in Lhasa Apso
- Factor IX Deficiency or Haemophilia B, Gly379Glu mutation
- Glanzmann Thrombasthenia (GT), Type I; mutation originally found in Pyrenean Mountain Dog
- Glycogen Storage Disease VII or Hereditary Phosphofructokinase (PFK) Deficiency
- May-Hegglin Anomaly (MHA)
- Pyruvate Kinase Deficiency of Erythrocyte; mutation originally found in Beagle
- Pyruvate Kinase Deficiency of Erythrocyte; mutation originally found in Labrador Retriever
- Pyruvate Kinase Deficiency of Erythrocyte; mutation originally found in Pug
- Pyruvate Kinase Deficiency of Erythrocyte; mutation originally found in West Highland White Terrier
- Trapped Neutrophil Syndrome (TNS)

CARDIOLOGICAL DISORDERS

- Dilated Cardiomyopathy; mutation originally found in Doberman Pinscher (USA)

ENDOCRINE DISORDERS

- Congenital hypothyroidism; mutation originally found in Toy Fox- and Rat Terrier

EYE DISORDERS

- Achromatopsia or Cone Degeneration (CD); CNGB3 gene deletion - **NEW**
- Cone-Rod Dystrophy 1 (crd1); mutation originally found in American Staffordshire Terrier - **NEW**
- Cone-Rod Dystrophy 2 (crd2); mutation originally found in Pit Bull Terrier - **NEW**
- Early Retinal Degeneration; mutation originally found in Norwegian Elkhound - **NEW**
- Glaucoma; mutation originally found in Norwegian Elkhound - **NEW**
- Progressive Retinal Atrophy - adult onset; mutation originally found in Basenji - **NEW**
- Progressive Retinal Atrophy (PAP1_PRA); mutation originally found in Papillon and Phalene - **NEW**
- Achromatopsia or Cone Degeneration (CD); mutation originally found in German Shorthaired Pointer
- Autosomal Dominant Progressive Retinal Atrophy (ADPRA)
- Canine Multifocal Retinopathy 1 (cmr1), Mastiff-related breeds mutation
- Canine Multifocal Retinopathy 2 (cmr2); mutation originally found in Coton de Tulear
- Canine Multifocal Retinopathy 3 (cmr3); mutation originally found in Lapponian Herder
- Cone-rod Dystrophy (cord1-PRA / crd4)

- Cone-rod dystrophy (crd SWD); mutation originally found in Standard Wire-haired Dachshund
- Generalized Progressive Retinal Atrophy; mutation originally found in Schapendoes
- Golden Retriever Progressive Retinal Atrophy 1 (GR_PRA 1)
- Primary Lens Luxation (PLL)
- Primary Open Angle Glaucoma; mutation originally found in Beagle
- Rod-Cone Dysplasia 1 (rcd1); mutation originally found in Irish Setter
- Rod-Cone Dysplasia 1a (rcd1a); mutation originally found in Sloughi
- Rod-Cone Dysplasia 3 (rcd3)
- X-Linked Progressive Retinal Atrophy 1 (XLPRA1)
- X-Linked Progressive Retinal Atrophy 2 (XLPRA2)

IMMUNOLOGICAL DISORDERS

- Severe Combined Immunodeficiency (SCID); mutation originally found in Frisian Water Dog - **NEW**
- Autosomal Recessive Severe Combined Immunodeficiency (SCID)
- C3 deficiency
- X-linked Severe Combined Immunodeficiency (XSCID); mutation originally found in Basset Hound
- X-linked Severe Combined Immunodeficiency (XSCID); mutation originally found in Cardigan Welsh Corgi

KIDNEY DISORDERS

- Cystinuria; mutation originally found in Newfoundland Dog - **NEW**
- Cystinuria, Type II-A; mutation originally found in Australian Cattle Dog - **NEW**
- Cystinuria, Type II-B; mutation originally found in Miniature Pinscher - **NEW**
- Renal Cystadenocarcinoma and Nodular Dermatofibrosis (RCND) - **NEW**
- Hyperuricosuria and Hyperuricemia (HUU) or Urolithiasis
- Polycystic Kidney Disease (PKD)
- Primary hyperoxaluria (PH); mutation originally found in Coton de Tulear
- X-linked Hereditary Nephropathy (XLHN)

METABOLIC DISORDERS

- Imerslund-Gräsbeck Syndrome (IGS) or Intestinal Cobalamin Malabsorbtion; mutation originally found in Beagle - **NEW**
- Imerslund-Gräsbeck Syndrome (IGS) or Intestinal Cobalamin Malabsorbtion; mutation originally found in Border Collie - **NEW**
- Mucopolysaccharidosis Type IIIA (MPSIIIA); mutation originally found in New Zealand Huntaway - **NEW**
- Mucopolysaccharidosis Type VII; mutation originally found in German Shepherd - **NEW**
- Glycogen Storage Disease, Type Ia (GSDIa)
- Glycogen Storage Disease, type II or Pompe's disease
- Glycogen Storage Disease, type IIIa (GSDIIIa)
- Hypocatalasia or Acatalasemia
- Mucopolysaccharidosis Type IIIA (MPSIIIA); mutation originally found in Dachshund
- Mucopolysaccharidosis Type VII (MPSVII); mutation originally found in Brazilian Terrier
- Pyruvate Dehydrogenase Deficiency

MUSCULAR DISORDERS

- Centronuclear Myopathy; mutation originally found in Great Dane - **NEW**
- Centronuclear Myopathy; mutation originally found in Labrador Retriever - **NEW**
- Myotonia; mutation originally found in Australian Cattle Dog - **NEW**
- Cavalier King Charles Spaniel Muscular Dystrophy (CKCS-MD)
- Duchenne-like Muscular Dystrophy, Pembroke Welsh Corgi-type
- Myotonia; mutation originally found in Miniature Schnauzer

- Myotubular Myopathy 1 or X-linked Myotubular Myopathy
- Muscular Dystrophy, Duchenne type or Golden Retriever Muscular Dystrophy (GRMD)

NEUROLOGICAL DISORDERS

- Alaskan Husky Encephalopathy (AHE) - **NEW**
- Bandera's Neonatal Ataxia (BNAt) - **NEW**
- Cerebellar ataxia; mutation originally found in Old English Sheepdog and Gordon Setter - **NEW**
- Lagotto Storage Disease - **NEW**
- Neuronal Ceroid Lipofuscinosis 8 (NCL8) - **NEW**
- Neuronal Ceroid Lipofuscinosis 8 (NCL8), rare variant - **NEW**
- Shaking Puppy (X-linked Generalized Tremor); mutation originally found in English Springer Spaniel - **NEW**
- Spinocerebellar ataxia; mutation originally found in Parson Russell Terrier - **NEW**
- Spinocerebellar ataxia with myokymia and/or seizures - **NEW**
- Benign Familial Juvenile Epilepsy or Remitting Focal Epilepsy
- Cerebellar abiotrophy or neonatal cerebellar cortical degeneration (NCCD)
- Fetal-onset Neuroaxonal Dystrophy (FNAD)
- Hyperekplexia or Startle Disease
- L-2-Hydroxyglutaric aciduria (L2HGA); mutation originally found in Staffordshire Bull Terrier
- Neonatal Encephalopathy with Seizures (NEWS)
- Neuronal Ceroid Lipofuscinosis 1 (NCL1)
- Neuronal Ceroid Lipofuscinosis 6 (NCL6)
- Neuronal Ceroid Lipofuscinosis 10 (NCL10)
- Neuronal Ceroid Lipofuscinosis, type 12, mutation originally found in Tibetan terrier
- Polyneuropathy; mutation originally found in Alaskan Malamute
- Polyneuropathy; mutation originally found in Greyhound
- Progressive early-onset cerebellar ataxia; mutation originally found in Finnish Hound

NEUROMUSCULAR DISORDERS

- Congenital Myasthenic Syndrome (CMS) - **NEW**
- GM2 Gangliosidosis, mutation originally found in Japanese Chin - **NEW**
- Episodic falling (EF)
- Globoid Cell Leukodystrophy (GLD) or Krabbe's disease; mutation originally found in Irish Setter
- Globoid Cell Leukodystrophy (GLD) or Krabbe's disease, Terrier mutation
- GM2 Gangliosidosis; mutation originally found in Toy Poodle

OTHER DISORDERS

- Autosomal Recessive Amelogenesis Imperfecta (ARAI) - **NEW**
- Narcolepsy; mutation originally found in Dachshund - **NEW**
- Narcolepsy; mutation originally found in Labrador Retriever - **NEW**
- Congenital Keratoconjuctivitis Sicca and Ichthyosiform Dermatosis (CKCSID) or Dry Eye Curly Coat Syndrome
- Narcolepsy; mutation originally found in Dobermann
- Persistant Mullerian Duct Syndrome (PMDS), mutation originally found in Miniature Schnauzer
- Primary Ciliary Dyskinesia (PCD)

PHARMACOGENETICS

- Malignant Hyperthermia (MH)

SKELETAL DISORDERS

- Hereditary Vitamin D-Resistant Rickets (HVDRR) - **NEW**
- Osteogenesis imperfecta; mutation originally found in Beagle - **NEW**
- Osteogenesis imperfecta; mutation originally found in Golden Retriever - **NEW**
- Chondrodysplasia (dwarfism); mutation originally found in Norwegian Elkhound and Karelian Bear Dog
- Craniomandibular Osteopathy (CMO)
- Osteogenesis imperfecta (OI) or Brittle Bone Disease; mutation originally found in Dachshund
- Skeletal Dysplasia 2 (SD2)

SKIN DISORDERS

- Hereditary Footpad Hyperkeratosis - **NEW**
- Anhidrotic Ectodermal Dysplasia or X-linked Ectodermal Dysplasia (XHED)
- Epidermolysis bullosa, dystrophic
- Epidermolytic Hyperkeratosis or Ichthyosis in Norfolk Terrier
- Lamellar Ichthyosis (LI)
- Musladin-Lueke syndrome (MLS)