

DOG

Genetic Disease

Acatalasemia
Achromatopsia (day blindness)
Achromatopsia (day blindness)
Acral mutilation syndrome

Acute respiratory distress syndrome
Afibrinogenemia
Alaskan Husky encephalopathy
Alaskan Malamute polyneuropathy
Alexander disease
Amelogenesis imperfecta / Familial enamel hypoplasia
Amelogenesis imperfecta / Familial enamel hypoplasia
Amelogenesis imperfecta / Familial enamel hypoplasia
Amelogenesis imperfecta / Familial enamel hypoplasia
Behaviour propensity
Brachyuria - stumpy tail

BRAF mutation tumor marker
Bunny Hopping Syndrome
C3-deficiency
Canine leukocyte adhesion deficiency
Canine multi-focal retinopathy

Canine multi-focal retinopathy
Canine multi-focal retinopathy
Canine multiple system degeneration
Canine multiple system degeneration
Cardiomyopathy with juvenile mortality
Centronuclear myopathy
Centronuclear myopathy
Centronuclear myopathy
Cerebellar ataxia
Cerebellar ataxia
Cerebellar ataxia
Cerebellar degeneration and myositis complex
Cerebellar hypoplasia
Cerebral dysfunktion
Charcot-Marie-Tooth Neuropathy (CMT)

ACHM	Beagle
ACHM	German Shepherd
ACHM	Labrador Retriever
AMS	English Cocker Spaniel, English Pointer, English Springer Spaniel, French Spaniel, German Shorthaired Pointer
ARDS	Dalmatian
AFG	Dachshund
AHE	Husky
AMPN	Alaskan Malamute
AxD	Labrador Retriever
AI/FEH	Akita, American Akita
AI/FEH	Italian Greyhound
AI/FEH	Parson Russell Terrier
AI/FEH	Samoyed
	Belgian Shepherd (Malinois)
	Australian Shepherd, Australian Stumpy Tail Cattle Dog, Austrian Pinscher, Bourbonnais Pointer, Bouvier des Ardennes, Brazilian Terrier, Brittany Spaniel, Croatian Sheepdog, Danish/Swedish Farmdog, Jack Russell Terrier, Karelian Bear Dog, Miniature American Shepherd, Mudi, Polish Lowland Sheepdog, Pyrenean Shepherd, Savoy Sheepdog, Schipperke, Spanish Waterdog, Swedish Vallhund, Welsh Corgi
BRAF	all breeds
BHS1	Weimaraner
C3	Brittany Spaniel
CLAD	Irish Red Setter, Irish Red & White Setter
CMR1	American Bulldog, Australian Shepherd, Boerboel, Bullmastiff, Cane Corso, Dogue de Bordeaux, English Bulldog, French Bulldog, Mastiff, Miniature American Shepherd, Presa Canario, Pyrenean Mountain Dog
CMR2	Coton de Tulear
CMR3	Finnish Lapponian Dog, Lapponian Herder, Swedish Lapphund
CMSD	Chinese Crested
CMSD	Kerry Blue Terrier
CJM	Belgian Shepherd
CNM	German Hunting Terrier
CNM	Great Dane
CNM	Labrador Retriever
CA	Italian Spinone
CA1	Belgian Shepherd
	Pyrenean Mountain Dog
CDMC	Nova Scotia Duck Tolling Retriever
CH	White Swiss Shepherd Dog
CDFS	Stabyhoun
CMT	Miniature Schnauzer

Chondrodysplasia (dwarfism)		Chinook, Karelian Bear Dog, Norwegian Elkhound
Chondrodysplasia and -dystrophy (IVDD risk)	CDPA/CDDY	all breeds
Chondrodysplasia and -dystrophy (IVDD risk)	CDPA/CDDY	all breeds
C-Kit (mutation analysis in the Ckit gene)	C-Kit	all breeds
Cleft lip/palate and syndactyly	CLPS	Nova Scotia Duck Tolling Retriever
	CP1	
CNS atrophy with cerebellar ataxia	CACA	Belgian Shepherd
Collie eye anomaly	CEA	Australian Kelpie, Australian Shepherd, Bearded Collie, Border Collie, Boykin Spaniel, Hokkaido, Lancashire Heeler, Miniature American Shepherd, Nova Scotia Duck Tolling Retriever, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, Silken Windsprite (Longhaired Whippet)
Color dilution and neurological defects	CDN	Dachshund
Cone Degeneration	CD	German Short-haired Pointing Dog
Congenital hypothyroidism with goiter	CHG	Fox Terrier, Rat Terrier
Congenital hypothyroidism with goiter	CHG	French Bulldog
Congenital hypothyroidism with goiter	CHG	Spanish Waterdog
Congenital hypothyroidism with goiter	CHG	Tenterfield Terrier
Congenital ichthyosis		Great Dane
Congenital idiopathic megaesophagus	CIM	German Shepherd
Congenital myasthenic syndrome	CMS	Golden Retriever
Congenital myasthenic syndrome	CMS	Jack Russell Terrier, Parson Russell Terrier
Congenital myasthenic syndrome	CMS	Labrador Retriever
Congenital myasthenic syndrome	CMS	Old Danish Pointing Dog
Congenital stationary night blindness	CSNB	Briard
Copper storage disease - Copper toxicosis	CT	Dobermann, Labrador Retriever
Copper storage disease - Copper toxicosis	CT	Bedlington Terrier
Craniomandibular osteopathy	CMO	Cairn Terrier, Scottish Terrier, West Highland White Terrier
Cystinuria		Australian Cattle Dog
Cystinuria		Continental Bulldog, English Bulldog, French Bulldog, Mastiff, Olde English Bulldog
Cystinuria		Labrador Retriever
Cystinuria		Landseer, Newfoundland
Cystinuria		Miniature Pinscher
Dandy-Walker-like malformation	DWLM	Eurasian
Degenerative myelopathy (exon 1)	DM exon 1	Bernese Mountain Dog
Degenerative myelopathy (exon 2)	DM	all breeds
Delayed postoperative haemorrhage	DEPOH	Deerhound, Greyhound
Dental-skeletal-retinal anomaly	DSRA	Italian Cane Corso
Dermatomyositis	DMS	Collie, Shetland Sheepdog
Digital hyperkeratosis	DH/HFH	Dogue de Bordeaux
Digital hyperkeratosis	DH/HFH	Irish Terrier, Kromfohrlander
Dilated cardiomyopathy	DCM	Giant Schnauzer, Schnauzer
Dilated cardiomyopathy	DCM	English Toy Terrier, Manchester Terrier
Dilated cardiomyopathy	DCM	Nova Scotia Duck Tolling Retriever
Dilated cardiomyopathy	DCM	Welsh Springer Spaniel
Dilated cardiomyopathy	DCM	Doberman
Disproportionate dwarfism		Dogo Argentino
Disproportionate dwarfism		Magyar Vizsla
Dry eye curly coat syndrome	CCS	Cavalier King Charles Spaniel
Dyserythropoietic anemia and myopathy	DAMS	English Springer Spaniel
Dyserythropoietic anemia and myopathy	DAMS	Labrador Retriever
Dystrophic epidermolysis bullosa	DEB	Central Asian Shepherd
Ectodermal dysplasia/Skin fragility syndrome	ED/SFS	Chesapeake Bay Retriever
Epidermolytic hyperkeratosis	EHK	Norfolk Terrier
Episodic falling	EF	Cavalier King Charles Spaniel

Exercise induced collapse	EIC	Boykin Spaniel, Chesapeake Bay Retriever, Clumber Spaniel, Curly Coated Retriever, Labrador Retriever, Old English Sheepdog, Pembroke Welsh Corgi, Wirehaired Pointer
Exfoliative cutaneous lupus erythematosus	ECLE	German Shorthaired Pointer, Magyar Vizsla
Factor XI deficiency	F11 KBT	Kerry Blue Terrier
Faktor VII deficiency	F7	Airedale Terrier, Alaskan Klee Kai, Beagle, Deerhound, Finnish Hound, Giant Schnauzer, Papillon, Phalene, Welsh Springer Spaniel
Familial nephropathy	FN	English Cocker Spaniel, Welsh Springer Spaniel
Familial nephropathy	FN	English Springer Spaniel
Familial nephropathy	FN	Samoyed
Familial thyroid follicular cell carcinoma	FTFC	German Long-haired Pointing Dog
Fanconi syndrome		Basenji
Finnish Hound ataxia	FHA	Finnish Hound, Norrbottenspitz
Fucosidosis		English Springer Spaniel
Gallbladder mucocoeles		American Cocker Spaniel, Cairn Terrier, English Cocker Spaniel, Pomeranian, Shetland Sheepdog
Glanzmann Thrombastenia	GT	Pyrenean Mountain Dog
Glaucoma and goniodysgenesis	GG	Border Collie
Globoid cell leukodystrophy - Krabbe disease		Cairn Terrier, West Highland White Terrier
Globoid cell leukodystrophy - Krabbe disease		Irish Red Setter
Glycogen storage disease type Ia	GSD Ia	German Pinscher
Glycogen storage disease type Ia	GSD Ia	Maltese
Glycogen storage disease type II (Pompe disease)	GSD II	Finnish Lapponian Dog, Lapponian Herder, Swedish Lapphund
Glycogen storage disease type IIIa	GSD IIIa	Curly Coated Retriever
GM1-Gangliosidosis	GM1	Portuguese Waterdog
GM1-Gangliosidosis	GM1	Shiba Inu
GM1-Gangliosidosis	GM1	Siberian Husky
GM2-Gangliosidosis	GM2	Japanese Chin
GM2-Gangliosidosis	GM2	Shiba Inu
GM2-Gangliosidosis	GM2	Miniature Poodle, Toy Poodle
Grey Collie syndrome - Canine cyclic neutropenia	GCS	Collie
Hair shaft dystrophy	HSD	Cavalier King Charles Spaniel
Haemophilia A (factor VIII deficiency)	F8	Havanese
Haemophilia A (factor VIII deficiency)	F8	Boxer
Haemophilia A (factor VIII deficiency)	F8	German Shepherd
Haemophilia A (factor VIII deficiency)	F8	Old English Sheepdog
Haemophilia A (factor VIII deficiency)	F8	Labrador Retriever
Haemophilia A (factor VIII deficiency)	F8	Rhodesian Ridgeback
Haemophilia B (factor IX deficiency)	F9	American Akita
Haemophilia B (factor IX deficiency)	F9	Hovawart
Haemophilia B (factor IX deficiency)	F9	Lhasa Apso
Haemophilia B (factor IX deficiency)	F9	Rhodesian Ridgeback
Haemorrhagic diathesis (Scott syndrome)		German Shepherd
Hereditary ataxia	HA	Australian Shepherd, Miniature American Shepherd
Hereditary ataxia	HA	Gordon Setter, Old English Sheepdog
Hereditary ataxia	HA	Norwegian Buhund
Hereditary ataxia	HA	Norwegian Elkhound
Hereditary cataract	HSF4	Wire-Haired Pointing Griffon Korthals
Hereditary cataract	HSF4	Australian Shepherd, Miniature American Shepherd, Wäller
Hereditary cataract	HSF4	Boston Terrier, French Bulldog, Staffordshire Bull Terrier
Hereditary deafness	EOD	Rhodesian Ridgeback
Hereditary deafness		Beauceron
Hereditary deafness		Rottweiler
Hereditary deafness	DINGS1 DINGS2	Doberman

Hereditary nasal parakeratosis	HNPK	Labrador Retriever
Hereditary nasal parakeratosis	HNPK	Greyhound
Hereditary neuropathy	GHN	Greyhound
Hyperurikosuria	HUU/SLC	all breeds
Hypomyelination (Shaking Puppy Syndrome)	SPS	English Springer Spaniel
Hypomyelination (Shaking Puppy Syndrome)	SPS	Weimaraner
Hypophosphatasia	HPP	Karelian Bear Dog
Ichthyosis	Ich GR	Golden Retriever
Ichthyosis	Ich AM	American Bulldog
Ichthyosis type 2	Ich GR2	Golden Retriever
Imerslund-Gräsbeck syndrome	IBC	Border Collie
Imerslund-Gräsbeck syndrome	IBG	Beagle
Imerslund-Gräsbeck syndrome	IGSKO	Komondor
Inflammatory myopathy	IM	Dutch Shepherd
Inflammatory pulmonary disease	IPD	Collie
Junctional epidermolysis bullosa	JEB	German Shorthaired Pointer
Juvenile brain disease	JBD	Jack Russell Terrier, Parson Russell Terrier
Juvenile epilepsy	JE	Lagotto Romagnolo
Juvenile laryngeal paralysis & polyneuropathy	JLPP	Russian Black Terrier, Rottweiler
Juvenile myoclonic epilepsy	JME	Rhodesian Ridgeback
L-2-hydroxyglutaric aciduria	L2HGA	Staffordshire Bull Terrier
L-2-hydroxyglutaric aciduria	L2HGA	Yorkshire Terrier
Lafora disease		Basset Hound, Beagle, Chihuahua, Dachshund, French Bulldog, Newfoundland, Pembroke Welsh Corgi
Lagotto storage disease	LSD	Lagotto Romagnolo
Laryngeal paralysis	LP	Bull Terrier, Miniature Bull Terrier
Laryngeal paralysis with polyneuropathy type 3	LPPN3	Labrador Retriever, Leonberger, Saint Bernard
Late onset ataxia	LOA	Jack Russell Terrier, Parson Russell Terrier
Leonberger polyneuropathy 1	LPN1	Leonberger
Leonberger polyneuropathy 2	LPN2	Leonberger
Lethal acrodermatitis	LAD	Bull Terrier, Miniature Bull Terrier
Lethal lung disease	LAMP3	Airedale Terrier
Leukocyte adhesion deficiency type III	LAD3	German Shepherd
Leukoencephalomyelopathy	LEMP	Great Dane, Rottweiler
Leukoencephalomyelopathy	LEMP	Leonberger
Leukoencephalopathy	LEP	Schnauzer
Limb-Girdle Muscular Dystrophy	LGMD	Dachshund
Lysosomal storage disease	LSD	Dalmatian
Lysosomal storage disease	LSD	Doberman
Lysosomal storage disease	LSD	Weimaraner
Lundehund syndrome	LHS	Norwegian Lundehund
Macrothrombocytopenia	MTC	Bichon Frise, Boxer, Cavalier King Charles Spaniel, Chihuahua, Cocker Spaniel, Havana, Jack Russell Terrier, Labrador Retriever, Maltese, Parson Russell Terrier, Poodle, Shih Tzu
Macrothrombocytopenia	MTC	Cairn Terrier, Jack Russell Terrier, Norfolk Terrier, Parson Russell Terrier
Macular corneal dystrophy	MCD	Labrador Retriever
Malignant hyperthermia	MH	all breeds
Maxillary canine tooth mesioversion	MCM	Shetland Sheepdog
May-Hegglin anomaly	MHA	Pug
MCAD deficiency		Cavalier King Charles Spaniel
MDR1 gene variant - Ivermectin hypersensitivity	MDR1	Australian Shepherd, Border Collie, Elo, German Shepherd, McNab, Miniature American Shepherd, Old English Sheepdog, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, Silken Windsprite (Longhaired Whippet), Wäller, White Swiss Shepherd Dog

Methaemoglobinaemia	MetHg	Pomeranian
Microphthalmia	RBP4	Irish Soft-Coated Wheaten Terrier
Microphthalmia	RBP4	Portuguese Waterdog
Mitochondrial fission encephalopathy	MFE	Bullmastiff
Mucopolysaccharidosis type IIIa	MPS3a	Dachshund
Mucopolysaccharidosis type IIIa	MPS3a	Newzealand Huntaway
Mucopolysaccharidosis type IIIb	MPS3b	Schipperke
Mucopolysaccharidosis type VI	MPS6	Miniature Pinscher
Mucopolysaccharidosis type VII	MPS7	Brazilian Terrier
Mucopolysaccharidosis type VII	MPS7	German Shepherd
Multicocular defect	MOD	Old English Sheepdog
Muscular dystrophy		American Staffordshire Terrier
Muscular dystrophy	CKMD	Cavalier King Charles Spaniel
Muscular dystrophy	GRMD	Golden Retriever
Muscular dystrophy	LSMD	Landseer
Muscular dystrophy	NTMD	Norfolk Terrier
Musladin-Lueke syndrome	MLS	Beagle
Mycobacterium avium complex sensitivity	MAC	Miniature Schnauzer
Myostatin mutation - bully gene		Whippet
Myotonia congenita		Australian Cattle Dog, Border Collie
Myotonia congenita		Labrador Retriever
Myotonia congenita		Miniature Schnauzer
Myxomatous mitral valve disease	MMVD	Cavalier King Charles Spaniel, Dachshund
Narcolepsy		Dachshund
Narcolepsy		Dobermann
Narcolepsy		Labrador Retriever
Necrotizing meningoencephalitis	PDE	Pug
necrotizing myelopathy	HNM	Kooikerhondje
Nemalin myopathy	NM	American Bulldog
Neonatal cortical cerebellar abiotrophy	NCCD	Beagle
Neonatal cortical cerebellar abiotrophy	NCCD	Magyar Vizsla
Neonatal encephalopathy with seizures	NEWS	Standard Poodle
Neuroaxonal dystrophy	NAD	Miniature American Shepherd
Neuroaxonal dystrophy	NAD	Lagotto Romagnolo, Spanish Waterdog
Neuroaxonal dystrophy	NAD	Papillon
Neuroaxonal dystrophy	NAD	Rottweiler
Neuronal ceroid lipofuscinosis	NCL	American Bulldog
Neuronal ceroid lipofuscinosis	NCL	Border Collie
Neuronal ceroid lipofuscinosis	NCL	Chihuahua, Chinese Crested
Neuronal ceroid lipofuscinosis	NCL	English Setter, Gordon Setter
Neuronal ceroid lipofuscinosis	NCL	Golden Retriever
Neuronal ceroid lipofuscinosis	NCL	Italian Cane Corso
Neuronal ceroid lipofuscinosis	NCL	Saluki
Neuronal ceroid lipofuscinosis	TT	Tibetan Terrier
Neuronal ceroid lipofuscinosis	NCL	Australian Cattle Dog
Neuronal ceroid lipofuscinosis	NCL	Australian Cattle Dog
Neuronal ceroid lipofuscinosis	NCL	Australian Shepherd, Miniature American Shepherd
Neuronal ceroid lipofuscinosis	NCL	Australian Shepherd, Miniature American Shepherd
Neuronal ceroid lipofuscinosis	NCL	Dachshund
Neuronal ceroid lipofuscinosis	ASTA	American Staffordshire Terrier
Obesity	ADI	Flat Coated Retriever, Labrador Retriever
Osteochondrodysplasia	OCD	Miniature Poodle
Osteogenesis imperfecta (brittle bone disease)		Beagle
Osteogenesis imperfecta (brittle bone disease)		Dachshund
Osteogenesis imperfecta (brittle bone disease)		Golden Retriever
Paradoxical pseudomyotonia	PP	English Cocker Spaniel, English Springer Spaniel

Paroxysmal dyskinesia	PxD	Irish Soft-Coated Wheaten Terrier
Paroxysmal exercise-induced dyskinesia	PED	Weimaraner
Paroxysmal exercise-induced dyskinesia	PED	Shetland Sheepdog
Persistent Müllerian duct syndrome	PMDS	Miniature Schnauzer
Phosphofructokinase deficiency	PFKD	American Cocker Spaniel, English Springer Spaniel, Whippet
Phosphofructokinase deficiency	PFKD	German Spaniel
Pituitary dwarfism		Czechoslovakian Wolfdog, German Shepherd, Saarloos Wolfhond, Tibetan Terrier, White Swiss Shepherd Dog
		Karelian Bear Dog, Lapponian Herder
Pituitary dwarfism	PKD	Bull Terrier
Polycystic kidney disease	P2Y12	Great Swiss Mountain Dog
Postoperative haemorrhage	PCYT2	Saarloos Wolfhond
PRA with neurodegeneration (PCYT2 deficiency)	KLK	Shih Tzu
Prekallikrein deficiency	PCD	Alaskan Malamute
Primary ciliary dyskinesia	PCD	Old English Sheepdog
Primary ciliary dyskinesia	PH	Coton de Tulear
Primary hyperoxaluria	PIPS2	Cavalier King Charles Spaniel
Primary Immunodeficiency type 2	PLL	American Eskimo Dog, American Hairless Terrier, Australian Cattle Dog, Chinese Crested, Danish Swedish Farmdog, Fox Terrier, German Hunting Terrier, Jack Russell Terrier, Lakeland Terrier, Lancashire Heeler, Lucas Terrier, Miniature Bull Terrier, Norfolk Terrier, Norwich Terrier, Parson Russell Terrier, Patterdale Terrier, Pug, Rat Terrier, Sealyham Terrier, Teddy Roosevelt Terrier, Tenterfield Terrier, Tibetan Terrier, Toy Fox Terrier, Volpino Italiano, Welsh Terrier, Westphalia Terrier, Yorkshire Terrier
Primary lens luxation		
Primary open angle glaucoma	POAG	Basset Fauve de Bretagne
Primary open angle glaucoma	POAG	Basset Hound
Primary open angle glaucoma	POAG	Beagle
Primary open angle glaucoma	POAG	Norwegian Elkhound
Primary open angle glaucoma	POAG	Petit Basset Griffon Vendeen
Primary open angle glaucoma and lens luxation	POAG/PLL	Shar Pei
Progressive retinal atrophy	rcd1-PRA	Irish Red Setter, Irish Red & White Setter
Progressive retinal atrophy	prcd-PRA	all breeds
Progressive retinal atrophy	cord1/ crd4-PRA	Beagle, Bolonka Zwetna, Clumber Spaniel, Curly Coated Retriever, Dachshund, English Springer Spaniel, French Bulldog
	crd-PRA	Dachshund
Progressive retinal atrophy	GR-PRA1	Golden Retriever
Progressive retinal atrophy	BBS4-PRA	Puli
Progressive retinal atrophy	rcd2-PRA	Collie
Progressive retinal atrophy	crd1-PRA	American Staffordshire Terrier
Progressive retinal atrophy	crd2-PRA	American Pitbull Terrier
Progressive retinal atrophy	rcd1a-PRA	Sloughi
Progressive retinal atrophy	rcd3-PRA	Cardigan Welsh Corgi, Chinese Crested Dog, Pomeranian
Progressive retinal atrophy	dom.-PRA	Bullmastiff, Mastiff
Progressive retinal atrophy	NECAP1-PRA	Giant Schnauzer
Progressive retinal atrophy	CNGA1-PRA	Shetland Sheepdog
Progressive retinal atrophy	rcd4-PRA	Australian Cattle Dog, Bolonka Zwetna, English Setter, Gordon Setter, Irish Red Setter, Irish Red & White Setter, Old Danish Pointing Dog, Polish Lowland Sheepdog, Poodle, Small Munsterlander, Tatra Shepherd Dog, Tibetan Terrier
Progressive retinal atrophy	g-PRA	Schapendoes
Progressive retinal atrophy	GR-PRA2	Golden Retriever
Progressive retinal atrophy	Type B1-PRA, HIVEP3	Miniature Schnauzer
Progressive retinal atrophy	pap-PRA1	Papillon, Phalène

Progressive retinal atrophy
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 Progressive retinal atrophy
 Protein losing nephropathy
 Pyruvate dehydrogenase phosphatase 1 deficiency
 Pyruvate kinase deficiency
 Pyruvate kinase deficiency
 Pyruvate kinase deficiency
 Pyruvate kinase deficiency
 Pyruvate kinase deficiency
 Raine syndrome
 Renal cystadenocarcinoma and nodular dermatofibrosis
 Renal dysplasia and hepatic fibrosis
 Retinal dysplasia
 Retinal dysplasia
 Robinow-like syndrome

Sensory neuropathy
 Severe combined immuno deficiency
 Severe combined immuno deficiency
 Shar Pei autoinflammatory disease
 Skeletal dysplasia 2 - dwarfism
 Spinal dysraphism
 Spinocerebellar ataxia
 Spinocerebellar ataxia

Spondylocostal dysostosis (Comma defect)
 Spongiform leukoencephalomyelopathy
 Spongy degeneration with cerebellar ataxia type 1
 Spongy degeneration with cerebellar ataxia type 2
 Squamous cell carcinoma of the toe - risk estimation
 Stargardt disease (retinal degeneration)
 Startle disease
 Startle disease
 Startle disease
 Startle disease
 Subacute necrotising encephalopathy
 Succinic semialdehyde dehydrogenase deficiency
 Thrombopathia
 Thrombopathia
 Trapped neutrophil syndrome
 Upper airway syndrome
 van den Ende-Gupta syndrome
 Ventricular Arrhythmia
 Vitamin-D dependent rickets

Bas-PRA1	Basenji
XL-PRA	Husky, Samoyed
eo-PRA	Portuguese Water Dog
eo-PRA	Spanish Water Dog
crd3-PRA	Irish Glen of Imaal Terrier
PRA4	Lhasa Apso
IFT122-PRA	Lapponian Herder
JPH2-PRA	Shih Tzu
PRA3	Tibetan Spaniel, Tibetan Terrier
BBS2-PRA	Shetland Sheepdog
MERTK-PRA	Swedish Vallhund (Västgötaspets)
GUCY2D-PRA	German Spitz
PLN	Airedale Terrier, Irish Soft-Coated Wheaten Terrier
PDP1	Clumber Spaniel, Sussex Spaniel
PK	Cairn Terrier, West Highland White Terrier
PK	Basenji
PK	Beagle
PK	Labrador Retriever
PK	Pug
	Border Collie
RCND	German Shepherd
RDHN	Norwich Terrier
OSD	Labrador Retriever
OSD	Northern Inuit, Tamaskan
DVL2	American Bulldog, American Pitbull Terrier, American Staffordshire Terrier, Boston Terrier, Continental Bulldog, Dogue de Bordeaux, English Bulldog, French Bulldog, Old English Bulldog, Shih Tzu, Staffordshire Bull Terrier
SN	Border Collie
SCID	Frisian Water Dog
SCID	Jack Russell Terrier, Parson Russell Terrier
SPAID	Shar Pei
SD2	Labrador Retriever
NTD	Weimaraner
SCA	Alpine Dachsbracke
SCA	Fox Terrier, Jack Russell Terrier, Parson Russell Terrier, Patterdale Terrier, Tenterfield Terrier
	Miniature Schnauzer
SLEM	Border Terrier
SDCA1	Belgian Shepherd, Dutch Shepherd
SDCA2	Belgian Shepherd, Dutch Shepherd
PEK	Poodle, Giant Schnauzer
STGD	Labrador Retriever
	Australian Shepherd, Miniature American Shepherd
	Old English Sheepdog
	Galgo Español
	Irish Wolfhound
SNE	Yorkshire Terrier
SSADHD	Saluki
	Basset Hound
	Landseer
TNS	Border Collie
UAS	Norwich Terrier
VDEGS	Fox Terrier, Toy Fox Terrier
IVA	Rhodesian Ridgeback
VDR	Pomeranian

von-Willebrand disease type I

von-Willebrand disease type II
von-Willebrand disease type II
von-Willebrand disease type III
von-Willebrand disease type III
von-Willebrand disease type III
Xanthinuria type II
Xanthinuria type II
Xanthinuria type II
X-chromosomal severe immuno deficiency
X-chromosomal severe immuno deficiency
X-linked myopathy
X-linked myopathy

vWD1 Bernese Mountain Dog, Coton de Tulear, Dobermann, Drentsche
Patrijshond, German Pinscher, Irish Red and White Setter, Irish Red
Setter, Kerry Blue Terrier, Kromfohrlander, Manchester Terrier,
Papillon, Pembroke Welsh Corgi, Poodle, Stabyhoun

vWD2/DDH German Shorthaired Pointer, German Wirehaired Pointer
vWD2/Exon28 all other breeds
vWD3 Kooikerhondje
vWD3 Scottish Terrier
vWD3 Shetland Sheepdog
Cavalier King Charles Spaniel, English Cocker Spaniel
Dachshund
English Toy Terrier, Manchester Terrier

X-SCID Basset Hound
X-SCID Welsh Corgi
XL-MTM Labrador Retriever
XL-MTM Rottweiler

Genetic Disease Combinations

Combination American Bully
Combination American Staffordshire Terrier
Combination Australian Cattle Dog

Combination Australian Shepherd and Miniature American Shepherd

Combination Barbet
Combination Basenji
Combination Beagle

Combination Belgian/Dutch Shepherd
Combination Bernese Mountain Dog
Combination Bolonka Zwetna

Combination Border Collie
Combination Bulldog
Combination Bull Mastiff
Combination Bull Terrier
Combination Cairn Terrier
Combination Cavalier King Charles Spaniel 1
Combination Cavalier King Charles Spaniel 2
Combination Chesapeake Bay Retriever
Combination Chihuahua
Combination Chinese Crested
Combination Cocker Spaniel
Combination Collie
Combination Continental Bulldog
Combination Continental Toy Spaniel
Combination Curly Coated Retriever
Combination Dachshund
Combination Dachshund 2
Combination Dobermann
Combination English Springer Spaniel
Combination Fox Terrier

CyBu, DM Exon2, HUU/SLC, NCL (partnerlab), crd1-PRA
DM Exon2, NCL (partnerlab), crd1-PRA, A-Lokus, D-Lokus d1
Cystinuria, DM Exon2, NCL, PLL, prcd-PRA (partnerlab), rcd4-PRA

CEA (partnerlab), DM exon2, HSF4, HUU/SLC, MDR1, Brachyuria,
NCL, prcd-PRA (partnerlab)
prcd- PRA, vWD1, D-Lokus, K-Lokus
Bas-PRA1, Fanconi-Syndrom, PK
Acatalasemia, IGS, Factor 7, MLS, NCCD, Osteogenesis imperfecta,
PK, POAG
CJM, CACA, SDCA1, SDCA2
DM exon 1, DM exon 2
cord1/crd4-PRA, prcd-PRA (partnerlab), rcd4-PRA, D-Lokus d1,
Furnishing
CEA (partnerlab), GG, IGS, MDR1, NCL, Raine, SN, TNS
Cystinurie, DM exon2, SLC, CMR1, DVL2
DM exon 2, CMR, Cystinuria, MFE, Dom.-PRA
LAD, PLL, LP
CMO, Krabbe-disease, MTC, PK
Episodic Falling, Dry Eye
DM exon2, Episodic Falling, Dry Eye, MD, MTC
DM exon2, prcd-PRA, EIC
CDPA/CDDY, prcd-PRA, MTC, NCL
PLL, prcd-PRA, rcd3-PRA, DM exon 2, CMSD, NCL
AMS, FN, prcd-PRA
CEA (partnerlab), DM exon2, DMS, IPD, MDR1, rcd2-PRA
Cystinuria + DVL2 + B-Locus
DM exon 2, F7, NAD, pap-PRA1, vWD1
DM, EIC, Cord1-PRA, GSDIIa
Osteogenesis imperfecta, NCL, cord1-PRA, crd-PRA
IVDD-risk, Osteogenesis imperfecta, NCL, cord1-PRA, crd-PRA
DM exon2, vWD 1, Narkolepsie, B-, D1-locus
AMS, DAMS, FN, SPS, Fucosidosis, PFKD, cord1-PRA
PLL, SCA, VDEGS, CHG

Combination French Bulldog	IVDD-risk, DM exon2, Cystinuria, CMR1, CHG, HSF4* (partnerlab)
Combination German Shepherd and Wolfdog	DM exon2, SLC, Coat length I, Dwarfism, MDR1
Combination German Short-haired Pointing Dog	AMS, ECLE, JEB, VWD2/DDH
Combination Giant Schnauzer	DM, SLC, prcd-PRA (partnerlab), NECAP1-PRA, DCM
Combination Golden Retriever	GR-PRA1, GR-PRA2, NCL, Ichthyosis, prcd-PRA (partnerlab), MD
Combination Gordon Setter	HA + NCL + rcd4-PRA
Combination Great Dane	DM Exon2, Congenital ichthyosis, CNM, LEMP
Combination Great Swiss Mountain Dog	DM exon 2, SLC, MH, P2Y12. D-Locus (dilution)
Combination Havanese	DM exon 2, F8, IVDD-risk, MTC, Furnishing
Combination Heideterrier	DM exon2, CNM, LAD, PLL, DCM
Combination Irish (red and white) Setter	CLAD, Krabbe, rcd1PRA, rcd4PRA
Combination Irish Soft-Coated Wheaten Terrier	DM exon2, PLN, PxD, rbp4, SLC
Combination Kromfohrländer	DH, DM exon2, SLC, vWD1, MDR1, Furnishing
Combination Labradoodle	DM Exon2, EIC, HNPk, SD2, NEWS, vWD1, CNM, prcd-PRA, rcd4-PRA
Combination Labrador 1 (basis combination)	CNM, DM exon2, EIC, HNPk, OSD (partnerlab), prcd-PRA (partnerlab), SD2
Combination Labrador 2 (extended combination)	Cystinurie, MCD, Narkolepsie, Obesity, PK, SLC, STGD, XL-MTM
Combination Lagotto Romagnolo	HUU/SLC, JE, LSD, NAD, prcd-PRA, Furnishing
Combination Landseer	Cystinuria, DM exon2, MD, Thrombopathia, D-locus (d1)
Combination Lapphund	DM Exon2 + prcd-PRA Partnerlab + GSD 2 Pompe + CMR
Combination Leonberger	LPN1, LPN2, LPPN3, LEMP
Combination Manchester and Toy Terrier	DCM, vWD1, Xanthinuria type II
Combination Miniature Schnauzer	CMT, MAC, Myotonia, PMDS, B1-PRA, Comma Defekt
Combination Nova Scotia Duck Tolling Retriever	CLPS, CP1, CDPA/CDDY, prcd-PRA (partnerlab), CEA (partnerlab), CDMC
Combination Old English Sheepdog	DM Exon2, EIC, HA, MDR1, PCD
Combination Pomeranian	GBM, rcd3-PRA, VDR
Combination Poodle	DM exon2, NEWS, prcd-PRA (partnerlab), rcd4-PRA, vWD1
Combination Poodle 2	DM exon2, NEWS, prcd-PRA (partnerlab), rcd4-PRA, vWD1, A-, B(bd,bc,bs)-, D(d1)-, E(e1)-, K-locus
Combination Portuguese Waterdog	eo-PRA, prcd-PRA (partnerlab), GM1, Improper Coat
Combination Pug Dog	DM exon2, MH, NME/PDE, PK, PLL
Combination Rhodesian Ridgeback	DM exon2, EOAD, Factor IX, JME, B-, D1-locus
Combination Rottweiler	DM exon2, JLPP, Coat length I, LEMP, NAD, XL-MTM
Combination Russell Terrier 1	JBD, LOA, SCA
Combination Russell Terrier 2	JBD, LOA, SCA, PLL, DM exon2
Combination Russian Black Terrier	DM exon 2, SLC, JLPP
Combination Samoyed	AI/FEH, FN, XL-PRA
Combination Shetland Sheepdog	CEA (partnerlab), DM exon2, MCM, MDR1, BBS2-PRA, CNGA1-PRA, vWD3
Combination Shiba Inu	GM1, GM2, A-locus, E-locus
Combination Shih Tzu	MTC, KKK, JPH2-PRA, DVL2
Combination Spanish Waterdog	Brachyuria, DM exon2, NAD, eo-PRA, prcd-PRA (partnerlab), CHG
Combination Tibetan Terrier	DM exon 2, Dwarfism, NCLTT, PLL, PRA3, rcd4-PRA
Combination Vizsla	DM Exon 2, ECLE, NCCD, Hairlength I, Furnishing
Combination Weimaraner	DM Exon2, SPS, NTD
Combination Welsh Corgi	CDPA/CDDY, Brachyuria, DM Exon2, rcd3-PRA, vWD1
Combination White Swiss Shepherd	DM Exon2, MDR1, Dwarfism, Coat length I
Combination Yorkshire Terrier	L2HGA + PLL + CDPA/CDDY + prcd-PRA (partnerlab) + SNE
DM exon 2 + MDR1	Australian Shepherd, Border Collie, Elo, German Shepherd, Longhaired Whippet, McNab, Miniature American Shepherd, Old English Sheepdog, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, Wäller, White Shepherd

Cat

Genetic Disease

Acrodermatitis enteropathica	AE	Turkish Van
Alpha-Mannosidosis	AMD	Persian
Autoimmune lymphoproliferative syndrome	ALPS	British Shorthair, Scottish Fold
Blue eyes		Maine Coon
Congenital hypothyroidism	CH	all breeds
Congenital myasthenic syndrome	CMS	Devon Rex, Sphynx
Cystinuria	CysK	all breeds
Factor XI deficiency	F11	Maine Coon
Factor XII deficiency	F12	all breeds
Gangliosidosis	GM 1	Balinese, Javanese, Korat, Oriental Shorthair, Peterbald, Seychellois, Siamese, Thai, Tonkinese
Gangliosidosis	GM 2	Burmese
Gangliosidosis	GM 2	Korat
Genetic blood group		all breeds; except Domestic Shorthair
Glycogen storage disease type IV	GSD4	Norwegian Forest Cat
Head defect		Burmese
Hypertrophic cardiomyopathy	HCM 1	Maine Coon
Hypertrophic cardiomyopathy	HCM3/HCR	Ragdoll
Hypertrophic cardiomyopathy	HCM4	Sphynx
Hypokalemia		Australian Mist, Burmese, Cornish Rex, Devon Rex, Singapura, Sphynx, Tonkinese
Hypotrichosis and short life expectancy		Birman
MDR1 gene variant	MDR1	all breeds
Mucopolysaccharidosis type VI	MPS6	Balinese, Birman, Domestic Shorthair, Javanese, Oriental Shorthair, Peterbald, Ragdoll, Seychellois, Siamese, Thai, Tonkinese
Mucopolysaccharidosis type VII	MPS7	all breeds
Myotonia congenita		all breeds
Osteochondrodysplasia (Scottish Fold)	OCD	Scottish Fold
Polydactyly		all breeds
Polycystic kidney disease	PKD	Angora, Birman, British Short- and Longhair, Chartreux, Colourpoint, Exotic Shorthair, Persian, Ragdoll, Russian Blue, Scottish Fold, Selkirk Rex
Primary congenital glaucoma	PCG	Siamese
Progressive retinal atrophy	rdy-PRA	Abessinian, Ocicat, Somali
Progressive retinal atrophy		Abyssinian, American Curl/Wirehair, Balinese, Bengal, Colourpoint
Progressive retinal atrophy	rdAc-PRA	Shorthair, Cornish Rex, Javanese, Munchkin, Ocicat, Oriental Shorthair, Peterbald, Seychellois, Siamese, Singapura, Somali, Thai, Tonkinese
Progressive retinal atrophy	pd-PRA	Angora, Birman, British Short- and Longhair, Chartreux, Colourpoint, Exotic Shorthair, Persian, Ragdoll, Russian Blue, Scottish Fold, Selkirk Rex

Progressive retinal atrophy

Pyruvate kinase deficiency

Skeletal dysplasia

Spinal muscular atrophy

b-PRA

Bengal

PK

Abyssinian, Bengal, Domestic Longhair, Domestic Shorthair, Egyptian Mau, La Perm, Maine Coon, Norwegian Forest Cat, Ocicat, Savannah, Siberian, Singapura, Somali

SD

British Shorthair, Scottish Fold

SMA

Maine Coon

Breed Combinations

Combination Bengal

Combination Birman

Combination British short-/longhair

Combination Burmese

Combination Devon Rex

Combination Maine Coon

Combination Norwegian

Combination Persian

Combination Ragdoll

Combination Siam/Oriental

Combination Siberian

Combination Sphynx

b-PRA, PK, rdac-PRA, genetic blood group

Hypotrichiosis, MPS6, pd-PRA, PKD, genetic blood group

ALS, pd-PRA, PKD, genetic blood group

GM2, Head Defect, Hypokalemia, genetic blood group

CMS, genetic blood group, hairlength, coat type Sphynx/Rex

HCM1, SMA, PK, F11, genetic blood group

Amber, GSD4, PK, genetic blood group

AMD, pd-PRA, PKD, genetic blood group

HCM1, HCM3, pd-PRA, PKD, genetic blood group

GM1, MPS6, PCG, rdAc-PRA, genetic blood group

genetic blood group, PKK, DilK, Colorpoint

HCM4, Hypokalemia, CMS, genetic blood group

Horse

Genetic Disease

Androgen insensitivity syndrome (AR2, AR3, AR4, AR5)

Androgen insensitivity syndrome (AR1)

Cerebellar abiotrophy

Congenital Stationary Night Blindness

Connemara pony hoof wall separation disease

Distichiasis

Dwarfism

Dwarfism (Chondrodysplasia)

Equine malignant hyperthermia

Foal immunodeficiency syndrome

Glycogen branching enzyme deficiency

Hereditary equine regional dermal asthenia

Hereditary myotonia

Hydrocephalus

Hyperkalemic periodic paralysis

Idiopathic hypocalcemia

Immune mediated myositis & MYH1 myopathy

Junctional epidermolysis bullosa

Junctional Epidermolysis Bullosa

Lavender foal syndrome

Lethal white foal syndrome

Naked foal syndrome

Occipitoatlantoaxial Malformation

Ocular squamous cell carcinoma

AIS

Thoroughbred, Warmblood, Tennessee Walking Horse

CA

Quarter horse

Arabian horses

CSNB2

Missouri Fox Trotter, Standardbred, Tennessee Walking Horse

HWSD

American miniature Horse, Connemara Pony, Deutsches Reitpony

Frisian Horse

Frisian horse

ACAN

Miniature Horse, Shetland Pony

EMH

all breeds

FIS

Dales Pony, Fell Pony

GBED

Appaloosa, Paint horse, Quarter horse

HERDA

Appaloosa, Paint horse, Quarter horse

NFP

New Forest Pony

Frisian horse

HYPP

Appaloosa, Paint horse, Quarter horse

Thoroughbred

MYHM

Appaloosa, Paint horse, Quarter horse

JEB1

Belgian horse

JEB2

American Saddlebred

LFS

Arabian horses

LWO

Appaloosa, Paint horse, Quarter horse

NFS

Akhal-Teke

OAAM

Arabian Horse

SCC

Belgian horse, Haflinger

Polysaccharid storage myopathy type 1
Severe combined immunodeficiency
Skeletal Atavism
SynchroGait

PSSM all breeds
SCID Arabian horses
SA Shetland Pony, American Miniature Horse
DMRT3 American Bashkir Curly Horse, American Miniature Horse, American Saddlebred, Appaloosa, Coldblooded Trotter, Icelandic Horse, Kentucky Mountain Saddle Horse, Mangalarga Marchador, Missouri Fox Trotter, Morgan Horse, Paint Horse, Paso Fino, Peruvian Horse, Standardbred, Quarter Horse, Tennessee Walking Horse

Tiger Eye
Warmblood fragile foal syndrome

WFFS Paso Fino
Warmblood breeds, Appaloosa, Haflinger, Mustang, Paint Horse, Quarter Horse

Genetic Disease Combinations

4-panel test
5-panel test
Combination Quarter Horse
Combination Paint Horse
Combination Arab Horse
Combination Quarab Horse
Combination Warmblood Horse

GBED, HERDA, HYPP, EMH
GBED, HERDA, HYPP, PSSM, EMH
GBED, HERDA, HYPP, PSSM
GBED, HERDA, HYPP, PSSM, EMH, OLWS
CA, LFS, SCID
CA, GBED, HERDA, PSSM, SCID
PSSM, WFFS