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Analysis Overview

Category	Abbreviation	Disorders, Coat Colors and Traits	Patent
Coat Color Traits	ay, aw, at, a	A-Locus	
Coat Color Traits	at-Loc	A-Locus Agouti (black and tan)	
Coat Color Traits	a-Loc	A-Lokus Agouti (recessive black)	
Coat Color Traits	ay-Loc	A-Lokus Agouti (sable)	
Coat Color Traits	ay-Loc	A-Lokus Agouti (sable)	
Disorder	AMS	Acral Mutilation Syndrom	
Disorder	ARDS	Acute Respiratory Distress Syndrome (Dalmatian)	
Coat Color Traits	OCA4	Albinism, oculocutaneous (Small Breeds)	
Disorder	AxD	Alexander Disease (Labrador Retriever)	
Disorder	AI	Amelogenesis Imperfecta (Italian Greyhound)	
Disorder	CaCa	Ataxia, CNS Atrophy with Cerebellar Ataxia (Belgian Shepherd)	
Disorder	SPAID	Autoinflammatory Disease (Shar-Pei)	
Coat Color Traits	bc, bd, bs	B-Locus	
Coat Color Traits	ba-Loc	B-Locus Brown ba	
Coat Color Traits	bc-Loc	B-Locus Brown bc	
Coat Color Traits	bd-Loc	B-Locus Brown bd	
Coat Color Traits	bs-Loc	B-Locus Brown bs	
Disorder	BFJE	Benign Familial Juvenile Epilepsy (Lagotto Romagnolo)	
Traits	Body Size	Body Size (GHR1)	
Traits	Body Size	Body Size (GHR2)	
Traits	Body Size	Body Size (HMGA2)	
Traits	Body Size	Body Size (IGF1)	
Traits	Body Size	Body Size (IGFR1)	
Traits	Body Size	Body Size (STC2)	
Traits	Dental	Body Size-Dental Anomaly 1 (Shetland Sheepdog)	
Traits	Body Size	Body Size-Dental Anomaly 2 (Shetland Sheepdog)	
Traits		Brachycelphaly, Shortened Skull Shape	
Disorder	CMSD	Canine Multiple Systemdegeneration (Chinese Crested)	
Disorder	CMSD	Canine Multiple Systemdegeneration (Kerry Blue Terrier)	
Disorder	CSS	Canine Scott Syndrome (German Shepherd dog)	
Disorder	DCM	Cardiomyopathy, dilated (Schnauzer)	
Disorder	DCM	Cardiomyopathy, dilated, Risk Variant 2 (Doberman Pinscher)	
Disorder	CJM	Cardiomyopathy, Juvenile Mortality (Belgian Malinois)	
Disorder		Catalase Deficiency (Beagle)	
Disorder	CNM	Centronuclear Myopathy (Great Dane)	
Disorder	CA1	Cerebellar Ataxia (Belgian Shepherd)	
Disorder		Cerebellar Cortical Degeneration (Vizsla)	
Disorder	HA/CA	Cerebellar Degeneration (Setter)	
Disorder	CDPA	Chondrodysplasia (Karelian Bear Dog)	

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Category	Abbreviation	Disorders, Coat Colors and Traits	Patent
Coat Color Traits	Co-Loc	Co-Locus Cocoa Brown (French Bulldog)	
Disorder	CEA	Collie Eye Anomaly	*xP
Disorder	C3 Def	Complement 3 Deficiency (Brittany)	
Disorder	CD	Cone Degeneration	
Disorder	CD	Cone Degeneration (German Shepherd Dog)	
Disorder	CD	Cone Degeneration (Labrador Retriever)	
Disorder		Congenital Methaemoglobinaemia (Pomeranian)	
Disorder	CMS	Congenital Myasthenic syndrome (Labrador Retriever)	
Disorder	CSNB	Continental Stationary Night Blindness (Briard)	
Disorder		Copper Toxicosis (Labrador Retriever)	
Other		Copper Toxicosis-protective Modifier (Labrador Retriever)	
Disorder	CMO	Craniomandibular Osteopathy	
Coat Traits	Cu1-Loc	Cu1-Locus Curly Coat (Common Variant)	
Disorder	Cyst-2a	Cystinuria (Australian Cattle Dog)	
Disorder	Cyst-1a	Cystinuria (Labrador Retriever)	
Disorder	Cyst-2	Cystinuria (Miniature Pinscher)	
Disorder	Cyst-1a	Cystinuria (Newfoundland)	
Disorder	Cyst3-1	Cystinuria Risk Factor Type 3 Variant 1 (Bulldog)	
Disorder	Cyst3-2	Cystinuria Risk Factor Type 3 Variant 2 (Bulldog)	
Disorder	Cyst3-3	Cystinuria Risk Factor Type 3 Variant 3 (Bulldog)	
Coat Color Traits	d1-Loc	D-Locus d1 Dilute (Common variant)	
Coat Color Traits	d2-Loc	D-Locus d2 Dilute	
Disorder	DWLM	Dandy-Walker-Like Syndrome (Eurasier)	
Disorder	EOAD	Deafness (Rhodesian Ridgeback)	
Disorder	Deafness	Deafness (Rottweiler)	
Disorder	DM-2	Degenerative Myelopathy (Bernese Mountain dog)	
Disorder	DM	Degenerative Myelopathy (Classic Variant)	*xP
Disorder	DM-Modifikator	Degenerative Myelopathy, Early-Onset Risk Modifier (Pembroke Welsh Corgi)	
Disorder		Dental Hypomineralization (Border Collie)	
Disorder	CKCSID	Dry eye curly coat syndrome (Cavalier King Charles Spaniel)*	
Traits	Body Size	Dwarfism, Growth-Hormone Deficiency (Chihuahua)	
Coat Color Traits	e-Loc	E-Locus e1 Rezessive Red (Common Variant)	
Coat Color Traits	e3-Loc	E-Locus e3 Rezessive Red (Husky)	
Coat Color Traits	Ea-Loc	E-Locus Ea Ancient Domino	
Coat Color Traits	Eg-Loc	E-Locus Eg Grizzle Domino	
Coat Color Traits	Eh-Loc	E-Locus Eh Cocker Sable	
Coat Color Traits	Em-Loc	E-Locus Em Melanistic Mask	
Traits		Ear Erectness, Pricked Ears vs. Floppy Ears	

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Category	Abbreviation	Disorders, Coat Colors and Traits	Patent
Disorder	ED-SFS	Ectodermal Dysplasia (Chesapeake Bay Retriever)	
Disorder	XHED	Ectodermal Dysplasia (Dachshund)	
Disorder	EDS	Ehlers-Danlos Syndrome Variant 1 (Poodle)	
Disorder	EDS	Ehlers-Danlos Syndrome Variant 2	
Disorder	HE	Elliptocytosis (Labrador Retriever)	
Disorder	AHE	Encephalopathy (Alaskan Husky)	
Disorder	DEB	Epidermolysis Bullosa, dystrophic (Golden Retriever)	
Disorder	JEB	Epidermolysis Bullosa, junctionalis (Australian Shepherd)	
Disorder		Epilepsy with Mitochondrial Dysfunction and Neurodegeneration (Parson Russell Terrier)	
Disorder	EIC	Exercise Induced Collapse	*xP
Disorder	F7	Factor VII Deficiency	
Disorder	FN	Familial Nephropathy (Cocker Spaniel)	
Disorder		Familial Nephropathy (Springer Spaniel)	
Disorder		Gallbladder Mucoceles	
Disorder	GM1	Gangliosidosis GM1 (Portuguese Water Dog)	
Disorder	GM1	Gangliosidosis GM1 (Shiba Inu)	
Disorder	GM2	Gangliosidosis GM2 (Poodle)	
Disorder	GM2-1b	Gangliosidosis GM2 Type 1b (Japanese Chin)	
Disorder	GT	Glanzmann Thrombasthenia (Otterhound)	
Disorder	GG/PCAG	Glaucoma and Goniodysgenesis (Border Collie)	
Disorder	GLD	Globoid Cell Leukodystrophy (Terrier)	
Disorder	GSD Ia	Glycogen Storage Disease Ia (Maltese)	
Disorder	GSD IIIa	Glycogen Storage Disease IIIa (Curly Coated Retriever)	
Disorder	GSD VII	Glycogen Storage Disease VII (English Springer Spaniel)	
Disorder	GSD VII	Glycogen Storage Disease VII (Wachtelhund)	
Coat Color Traits	H-Loc	H-Locus Harlequin (Great Dane)	
Disorder	F8	Hemophilia A (Boxer)	
Disorder	HC1	Hereditary Cataracts	
Disorder	HC2	Hereditary Cataracts (Australian Shepherd Type)	
Disorder	HFH	Hereditary Footpad Hyperkeratosis (Irish Terrier & Kromfohrländer)	
Disorder	HNPK	Hereditary Nasal Parakeratosis (Greyhound)	
Disorder	HNPK	Hereditary Nasal Parakeratosis (Labrador Retriever)	*xP
Disorder	XLHN	Hereditary XL Nephritis (Samoyed)	
Disorder	HUU	Hyperuricosuria	
Disorder	HYM	Hypomyelinisation (Weimaraner)	
Disorder	CHG	Hypothyroidism (French Bulldog)	
Disorder	CHG	Hypothyroidism (Toy Fox Terrier)	
Other	Hypoxia	Hypoxia (Altitude Adaption)	

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Category	Abbreviation	Disorders, Coat Colors and Traits	Patent
Coat Color Traits	I-Loc	I-Locus Intensity (Pheomelenin Dilution)	
Coat Traits	IC-Loc	IC-Locus Impropper Coat (Furnishing)	
Disorder	ICH	Ichthyosis (American Bulldog)	
Disorder	ICH	Ichthyosis (Great Dane)	
Disorder	ICH-GR1	Ichthyosis 1 (Golden Retriever)	
Disorder		Inflammatory Myopathy (Hollands Herder)	
Disorder	IPD	Inflammatory Pulmonary Disease (Rough Collie)	
Disorder	IGS-Beagle	Intestinal Cobalamin Malabsorption (Beagle)	
Disorder	IGS-BC	Intestinal Cobalamin Malabsorption (Border Collie)	
Disorder	IGS-KOM	Intestinal Cobalamin Malabsorption (Komondor)	
Disorder	JME	Juvenile Myoclonic Epilepsy (Rhodesian Ridgeback)	
Coat Color Traits	K-Loc	K-Locus Dominant Black	
Disorder	L-2-HGA	L-2-Hydroxyglutaricacidemia (Staffordshire Bull Terrier)	
Coat Traits	L1-Loc	L1-Locus Long Hair (Common Variant)	
Coat Traits	L2-Loc	L2-Locus Long Hair (Akita)	
Coat Color Traits	L3-Loc	L3-Locus long hair (Eurasier)	
Coat Traits	L4-Loc	L4-Locus Long Hair (Afghan Hound, French Bulldog)	
Disorder	LSD	Lagotto Storage Disease (Lagotto Romagnolo)	
Disorder	LPPN3	Laryngeal Paralysis with Polyneuropathy Type 3 (Leonberger)	
Disorder	CLAD-I	Leukocyte Adhesion Deficiency Type I (Irish Setter)	
Disorder	CLAD-III	Leukocyte Adhesion Deficiency Type III (German Shepherd Dog)	
Disorder	LD	Leukodystrophy (Schnauzer)	
Disorder	LEMP	Leukoencephalomyelopathy (Leonberger)	
Disorder	LS	Lundehund Syndrome (Norwegian Lundehund)	
Disorder	MTCP	Macrothrombocytopenia (Cavalier King Charles Spaniel)	
Disorder	MTCP	Macrothrombocytopenia (Jack Russell Terrier)	
Disorder	MCD	Macular Corneal Dystrophy (Labrador Retriever)	
Disorder	MPS IIIA	Mucopolysaccharidosis IIIA (Dachshund)	
Disorder	MPS VII	Mucopolysaccharidosis VII (German Shepherd Dog)	
Disorder	MDR1	Multidrug-Resistance 1	
Disorder	CMR1	Multifocal Retinopathy 1	
Disorder	CMR2	Multifocal Retinopathy 2 (Coton de Tulear)	
Disorder	MD	Muscular Dystrophy 1 (Labrador Retriever)	
Disorder	MD	Muscular Dystrophy 2 (Labrador Retriever)	
Disorder	DMD	Muscular Dystrophy Duchenne (Golden Retriever)	
Disorder	DMD	Muscular Dystrophy Duchenne (Norfolk Terrier)	
Disorder	DMD	Muscular Dystrophy Duchenne 1 (Cavalier King Charles Spaniel)	
Disorder	DMD	Muscular Dystrophy Duchenne 2 (Cavalier King Charles Spaniel)	

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Category	Abbreviation	Disorders, Coat Colors and Traits	Patent
Disorder	LGMD	Muscular Dystrophy, Limb-Girdle (Dachshund)	
Disorder	MLS	Musladin-Lueke Syndrome (Beagle)	
Disorder		Myostatin Deficiency (Whippet)	
Disorder	MTM-XL	Myotubular Myopathy (Labrador Retriever)	
Disorder	NEM	Nemaline Myopathy (American Bulldog)	
Disorder	NEWS	Neonatal Encephalopathy with Seizures (Poodle)	
Disorder	NAD	Neuroaxonal Dystrophy (Papillon)	
Disorder	NAD	Neuroaxonal Dystrophy (Spanish Water Dog)	
Disorder	NCL-10	Neuronal Ceroid Lipofuscinosis 10 (American Bulldog)	
Disorder	NCL-4A	Neuronal Ceroid Lipofuscinosis 4A (American Staffordshire Terrier)	
Disorder	NCL-7	Neuronal Ceroid Lipofuscinosis 7 (Chihuahua, Chinese Crested)	
Disorder	NCL-8	Neuronal Ceroid Lipofuscinosis 8 (Saluki)	
Disorder	OCD	Osteochondrodysplasia (Miniature Poodle)	
Disorder		Osteochondromatosis (American Staffordshire Terrier)	
Disorder	OI	Osteogenesis Imperfecta (Dachshund)	
Disorder	OI	Osteogenesis Imperfecta Type 3 (Golden Retriever)	
Disorder	P2Y12	P2RY12-Receptor Platelet Disorder (Greater Swiss Mountain Dog)	
Disorder	PMDS	Persistent Mullerian duct syndrome (Schnauzer)	
Disorder	PKD	Polycystic Kidney Disease (Bull Terrier)	
Traits	PPD	Polydactyly (Asian Breeds)	
Disorder	AMPN	Polyneuropathy (Alaskan Malamute)	
Disorder		Polyneuropathy (Greyhound)	
Disorder	LPN2	Polyneuropathy 2 (Leonberger)	
Disorder	POANV	Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation (Rottweiler)	
Disorder		Prekallikrein Deficiency (Hairless Terrier, Shih-Tzu)	
Disorder	PLL	Primary Lens Luxation	
Disorder	PRA-Schnauzer	Progressive Retinal Atrophy (Giant Schnauzer)	
Disorder	GR-PRA1	Progressive Retinal Atrophy 1 (Golden Retriever)*	
Disorder	PRA-Pap1	Progressive Retinal Atrophy 1 (Papillon)	
Disorder	PRA-GR2	Progressive Retinal Atrophy 2 (Golden Retriever)	
Disorder	PRA-AD	Progressive Retinal Atrophy, Autosomal Dominant (Mastiff)	
Disorder	PRA-crd1	Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Pit Bull Terrier)	
Disorder	PRA-cord1/crd4	Progressive Retinal Atrophy, Cone-Rod Dystrophy 4/cord1	
Disorder	PRA-EO	Progressive Retinal Atrophy, Early Onset (Spanish Waterdog)	
Disorder	PRA-g	Progressive Retinal Atrophy, Generalized (Shapendoe)	
Disorder	PRA-PRCD	Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	*xP
Disorder	PRA-rcd3	Progressive Retinal Atrophy, Rod-cone dysplasia 3 (Cardigan Welsh Corgi)	
Disorder	PRA-rcd4	Progressive Retinal Atrophy, Rod-cone dysplasia 4	

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Category	Abbreviation	Disorders, Coat Colors and Traits	Patent
Disorder	PLN1	Protein Losing Nephropathy 1	
Disorder	PKDef	Pyruvate Kinase Deficiency (Labrador Retriever)	
Disorder	HRFCD	Renal Dysplasia and Hepatic Fibrosis (Norwich Terrier)	
Traits		Screw Tail (Tail Curl)	
Coat Traits	SD-Loc	SD-Locus (Shedding)	
Traits	Sex	Sex Marker Amelogenin	
Disorder	SD2	Skeletal Dysplasia 2	
Coat Color Traits	Sp2-Loc	Sp2-Locus Piebald (White Spotting, Parti)	
Disorder	SDCA1	Spongy Degeneration with Cerebellar Ataxia 1 (Belgian Malinois)	
Disorder	SDCA1	Spongy Degeneration with Cerebellar Ataxia 1 (Jack Russell Terrier)	
Disorder	SDCA2	Spongy Degeneration with Cerebellar Ataxia 2 (Belgian Malinois)	
Disorder	STGD	Stargardt Disease, Morbus Stargardt (Labrador Retriever)	
Disorder	SSADHD	Succinic Semialdehyde Dehydrogenase Deficiency (Saluki)	
Traits	T-Loc	T-Locus Brachyury (Bobtail, Naturel Short Tail)	
Disorder	TNS	Trapped Neutrophil Syndrome (Border Collie)	
Disorder	IVA	Ventricular Arrhythmias (Rhodesian Ridgeback)	
Disorder	HVDRR	Vitamin D-Deficiency Rickets (Pomeranian)	
Disorder	vWD I	Von Willebrand Disease I	
Disorder	vWD II	Von Willebrand Disease II (German Shorthaired Pointer)	
Disorder	vWD III	Von Willebrand Disease III (Kooiker Dog)	
Disorder	vWD III	Von Willebrand Disease III (Shetland Sheepdog)	

* Results will only be provided if the dog's breed is one of the breeds mentioned in brackets.

*xP = requires paid patent panel