

Canine HealthCheck Comparison		Enhanced CHC Activation Code	Comprehensive CHC No Code Required	New! Premium CHC No Code Required
Disease or Trait Name	Gene(s)	Upgraded 2022!	Upgraded 2022!	New - July 2023!
A Locus (Agouti) - A ^V	ASIP	X	X	X
A Locus (Agouti) - a ^w /a ¹	ASIP	X	X	X
A Locus (Agouti) - a	ASIP	X	X	X
A ^S Locus (Saddle Tan)	RALY		X	X
B Locus (Brown) - b ^a	TYRP1	X	X	X
B Locus (Brown) - b ^c	TYRP1	X	X	X
B Locus (Brown) - b ^d	TYRP1	X	X	X
B Locus (Brown) - b ^e	TYRP1			X
B Locus (Brown) - b ^h	TYRP1			X
B Locus (Brown) - b ^s	TYRP1	X	X	X
Brachycephaly	BMP3	X	X	X
Chondrodysplasia (CDPA)	FGF4		X	X
Co Locus (Cocoa, French Bulldog Type)	HPS3	X	X	X
Cu Locus (Curly Hair) - Cu ^C	KRT71	X	X	X
D Locus (Dilute) - d ¹	MLPH	X	X	X
D Locus (Dilute) - d ²	MLPH	X	X	X
D Locus (Dilute) - d ³	MLPH			X
E Locus - e ¹ (Yellow/Red)	MC1R	X	X	X
E Locus - e ² (Cream, Australian Cattle Dog Type)	MC1R			X
E Locus - e ³ (White, Alaskan and Siberian Husky Type)	MC1R			X
E Locus - e ^A (Ancient Red, Spitz and Scent Hound Type)	MC1R			X
E ^B Locus (Grizzle, Afghan Hound)	MC1R	X	X	X
E ^H Locus (Sable, Cocker Spaniel)	MC1R		X	X
E ^M Locus (Melanistic Mask)	MC1R	X	X	X
H Locus (Harlequin, Great Dane)	PSMB7	X	X	X
Hairlessness (American Hairless Terrier Type) - rh ¹	SGK3			X
Hairlessness (Scottish Deerhound Type) - rh ²	SGK3			X
Hr Locus (FOX13 Hairless Gene Test, Mexican/Peruvian Hairless & Chinese Crested)	FOX13		X	X
I Locus (Intensity)	MFS12		X	X
IC Locus (Improper Coat/Furnishings)	RSPO2		X	X
K Locus (Dominant Black)	CBD103	X	X	X
L Locus (Long Hair/Fluffy) - Lh ¹	FGF5	X	X	X
L Locus (Long Hair/Fluffy) - Lh ²	FGF5	X	X	X
L Locus (Long Hair/Fluffy) - Lh ³	FGF5			X
L Locus (Long Hair/Fluffy) - Lh ⁴	FGF5		X	X
M Locus (Merle)	PMEL		X	X
Polydactyly (Common Variant)	LMBR1	X	X	X
Polydactyly (Great Pyrenees Type)	ALX4			X
R Locus (Roan/Ticked) - R	USH2A			X
R Locus (Roan/Ticked) - R ^{T1}	USH2A			X
S Locus (White Spotting, Parti, or Piebald)	MITF		X	X
SD Locus (Shedding)	MCSR	X	X	X
Sex Determination	ZFX	X	X	X
Social Behavior	WBSCR17/GTF21			X
T Locus (Natural Bobtail)	T	X	X	X
Acral Mutilation Syndrome (AMS, SN)	GDNF		X	X
Acute Respiratory Distress Syndrome (ARDS)	ANLN		X	X
Adult Paroxysmal Dyskinesia (PxD, cPxD)	PIGN		X	X
Afibrinogenemia (Dachshund Type)	FGA			X
Alaskan Husky Encephalopathy (AHE)	SLC19A3	X	X	X
Alaskan Malamute Polyneuropathy (AMPN)	NDRG1	X	X	X
Amelogenesis Imperfecta (Italian Greyhound Type) (AI, ARAO)	ENAM	X	X	X
Amelogenesis Imperfecta (Parson Russell Terrier Type)	ENAM			X
Ataxia (Norwegian Buhund Type)	KCNIP4		X	X
Benign Familial Juvenile Epilepsy (BFJE)	LG12	X	X	X
Bernard-Soulier Syndrome	GP9			X
Canine Multiple System Degeneration (Chinese Crested Type) (CMSD)	SERAC1	X	X	X
Canine Multiple System Degeneration (Kerry Blue Terrier Type) (CMSD, PNA)	SERAC1	X	X	X
Canine Scott Syndrome (CSS)	ANO6		X	X
Cardiomyopathy and Juvenile Mortality	YARS2			X
Catalase Deficiency	CAT		X	X
Centronuclear Myopathy (CNM)	PTPLA		X	X
Cerebellar Ataxia (Finnish Hound Type)	SEL1L	X	X	X
Cerebellar Ataxia 1 (Belgian Shepherd Type)	KCNJ10		X	X
Cerebellar Ataxia 2 (Belgian Shepherd Type)	ATP1B2			X
Cerebellar Cortical Degeneration	SNX14		X	X
Cerebellar Degeneration (HA, CA)	RAB24		X	X
Charcot-Marie-Tooth Disease	MTMR13			X
Chondrodysplasia (Karelian Bear Dog & Norwegian Elkhound Type)	ITGA10	X	X	X
Cleft Palate & Syndactyly (Nova Scotia Duck Tolling Retriever Type) (CP1, CLPS)	ADAMT520		X	X
Coagulation Factor VII Deficiency	F7	X	X	X
Collie Eye Anomaly (CEA, CH)	NHEJ1	X	X	X
Complement 3 Deficiency	C3	X	X	X
Cone Degeneration (CD)	CNGB3	X	X	X
Cone Degeneration (German Shepherd Dog Type) (CD)	CNGA3		X	X
Cone Degeneration (German Shorthaired Pointer Type) (CD)	CNGB3	X	X	X
Cone Degeneration (Labrador Retriever Type) (CD)	CNGA3		X	X
Congenital Hypothyroidism with Goiter (Terrier Type) (CHG)	TPO		X	X
Congenital Macrothrombocytopenia (Cairn and Norfolk Terrier Type)	TUBB1			X

Congenital Methemoglobinemia	CYB5R3		X	X
Congenital Myasthenic Syndrome (Golden Retriever Type) (CMS)	COLQ			X
Congenital Myasthenic Syndrome (Jack Russell Terrier Type) (CMS)	CHRNE		X	X
Congenital Myasthenic Syndrome (Labrador Retriever Type) (CMS)	COLQ	X	X	X
Congenital Myasthenic Syndrome (Old Danish Pointer Type) (CMS)	CHAT	X	X	X
Congenital Stationary Night Blindness (CSNB, LCA)	RPE65	X	X	X
Copper Storage Disease	COMMD1			X
Craniomandibular Osteopathy (CMO)	SLC37A2		X	X
Cyclic Neutropenia (CH, CN)	AP3B1	X	X	X
Cystinuria (Australian Cattle Dog Type)	SLC3A1	X	X	X
Cystinuria (Labrador Retriever Type)	SLC3A1	X	X	X
Cystinuria (Miniature Pinscher Type)	SLC7A9	X	X	X
Cystinuria (Newfoundland Type)	SLC3A1	X	X	X
Cystinuria Type 3 (Bulldog Risk Factor, Variant 3)	SLC7A9		X	X
Cystinuria Type 3 (Bulldog Risk Factor, Variants 1 & 2)	SLC3A1		X	X
Dandy-Walker-Like Malformation	VLDLR		X	X
Darier Disease and Associated Infundibular Cyst Formation	ATP2A2			X
Deafness and Vestibular Dysfunction (Doberman Pinscher Type), Variant 2	MYO7A			X
Degenerative Myelopathy (Bernese Mountain Dog Variant) (DM)	SOD1		X	X
Degenerative Myelopathy (Common Variant) (DM)	SOD1	X	X	X
Degenerative Myelopathy Modifier (Pembroke Welsh Corgi Type) (DM)	SP110	X	X	X
Dental Hypomineralization	FAM20C		X	X
Diffuse Cystic Renal Dysplasia & Hepatic Fibrosis	INPP5E		X	X
Dilated Cardiomyopathy (Doberman Pinscher Type Risk Factor, Variant 1) (DCM)	PDK4	X	X	X
Dilated Cardiomyopathy (Doberman Pinscher Type Risk Factor, Variant 2) (DCM)	TTN		X	X
Dilated Cardiomyopathy (Schnauzer Type) (DCM)	RBM20		X	X
Dry Eye Curly Coat Syndrome (CKSID)	FAM83H	X	X	X
Dystrophic Epidermolysis Bullosa (Basset Hound Type) (DEB)	COL7A1			X
Dystrophic Epidermolysis Bullosa (Golden Retriever Type) (DEB)	COL7A1	X	X	X
Early-Onset Adult Deafness (Rhodesian Ridgeback Type)	EPS8L2			X
Early Retinal Degeneration (ERD)	STK38L	X	X	X
Early-Onset Epilepsy (Parson Russell Terrier Type)	PITRM1			X
Ectodermal Dysplasia (Chesapeake Bay Retriever Type) (ED)	PKP1	X	X	X
Ectodermal Dysplasia, X-Linked (Dachshund Type) (XLHED)	EDA		X	X
Ectodermal Dysplasia, X-Linked (Shepherd Type) (XHED, XLED)	EDA	X	X	X
Ehlers-Danlos Syndrome (Doberman Pinscher Type)	ADAMTS2			X
Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 1	COL5A1			X
Ehlers-Danlos Syndrome (Labrador Retriever Type), Variant 2	COL5A1			X
Ehlers-Danlos Syndrome (Poodle Type, Variant 1) (EDS)	TNXB		X	X
Ehlers-Danlos Syndrome (Poodle Type, Variant 2) (EDS)	TNXB		X	X
Elliptycotosis	SPTB	X	X	X
Epidermolytic Hyperkeratosis	KRT10	X	X	X
Episodic Falling Syndrome (EDFS)	BCAN	X	X	X
Exercise-Induced Collapse (EIC)	DNM1	X	X	X
Exfoliative Cutaneous Lupus Erythematosus (ECLE)	UNC93B1			X
Factor XI Deficiency	F11		X	X
Familial Nephropathy (Cocker Spaniel Type) (FN, HN)	COL4A4	X	X	X
Familial Nephropathy (English Springer Spaniel Type) (FN, HN)	COL4A4	X	X	X
Fucosidosis	FUCA1		X	X
Gallbladder Mucoceles	ABCB4	X	X	X
Glanzmann's Thrombasthenia (Great Pyrenees Type) (GT)	ITGA2B	X	X	X
Glanzmann's Thrombasthenia (Otterhound Type) (GT)	ITGA2B	X	X	X
Glaucoma (Border Collie Type) (PCAD)	OLFML3		X	X
Globoid Cell Leukodystrophy (Irish Setter Type) (GLD)	GALC	X	X	X
Globoid Cell Leukodystrophy (Terrier Type) (GLD)	GALC	X	X	X
Glycogen Storage Disease Ia (GSD Ia, GSD1a)	G6PC	X	X	X
Glycogen Storage Disease IIIa (GSD IIIa)	AGL	X	X	X
Glycogen Storage Disease VII (Wachtelhund Type) (GSD VII, PFK deficiency)	PFKM	X	X	X
Glycogen Storage Disease VII, PFK Deficiency (GSD VII, PFK deficiency)	PFKM	X	X	X
GM1 Gangliosidosis (Alaskan Husky Type)	GLB1	X	X	X
GM1 Gangliosidosis (Portuguese Water Dog Type)	GLB1	X	X	X
GM1 Gangliosidosis (Shiba Inu Type)	GLB1	X	X	X
GM2 Gangliosidosis (Japanese Chin Type)	HEXA	X	X	X
GM2 Gangliosidosis (Poodle Type)	HEXB	X	X	X
GM2 Gangliosidosis (Shiba Inu Type)	HEXB			X
Greyhound Polyneuropathy	NDRG1	X	X	X
Hemophilia A (Boxer Type)	F8	X	X	X
Hemophilia A (German Shepherd Dog, Type 1)	F8	X	X	X
Hemophilia A (German Shepherd Dog, Type 2)	F8	X	X	X
Hemophilia A (Rhodesian Ridgeback Type)	F8			X
Hemophilia B (Cairn Terrier Type)	F9	X	X	X
Hemophilia B (Lhasa Apso Type)	F9	X	X	X
Hemophilia B (Rhodesian Ridgeback Type)	F9	X	X	X
Hereditary Ataxia (Australian Shepherd Type)	PNPLA8			X
Hereditary Cataracts (HC, JC)	HSF4	X	X	X
Hereditary Cataracts (Australian Shepherd Type) (HC, HSF4, JC)	HSF4	X	X	X
Hereditary Cataracts (Wirehaired Pointing Griffon Type)	FYCO1			X
Hereditary Footpad Hyperkeratosis (Irish Terrier & Kromfohrlander Type)	FAM83G	X	X	X
Hereditary Footpad Hyperkeratosis (Rottweiler Type)	DSG1			X
Hereditary Nasal Parakeratosis (Greyhound Type) (HNPK)	SUV39H2		X	X
Hereditary Nasal Parakeratosis (Labrador Retriever Type) (HNPK)	SUV39H2	X	X	X
Hereditary Nephritis (Samoyed Type) (AS, HN, XLHN)	COL4A5	X	X	X
Hyperuricosuria (HUU)	SLC2A9	X	X	X
Hypomyelination (Weimaraner Type) (HYM, HS)	FNIP2		X	X
Ichthyosis (American Bulldog Type)	NIPAL4	X	X	X
Ichthyosis (Golden Retriever Type 1)	PNPLA1	X	X	X

Ichthyosis (Golden Retriever Type 2)	ABHD5	X	X	X
Ichthyosis (Great Dane Type)	SLC27A4		X	X
Ichthyosis (Jack Russell Terrier Type)	TGM1			X
Inflammatory Myopathy (Shepherd Type)	SLC35A12			X
Inherited Myopathy of Great Danes (IMGD)	BIN1	X	X	X
Intervertebral Disc Disease Risk Factor & Chondrodystrophy (CDDY with IVDD)	FGF4		X	X
Intestinal Cobalamin Malabsorption (Beagle Type) (I-GS)	CUBN	X	X	X
Intestinal Cobalamin Malabsorption (Border Collie Type)	CUBN	X	X	X
Intestinal Cobalamin Malabsorption (Giant Schnauzer Type)	AMN			X
Intestinal Lipid Malabsorption	ACSL5			X
Junctional Epidermolysis Bullosa (Australian Shepherd Type)	LAMB3			X
Juvenile Laryngeal Paralysis & Polyneuropathy (Black Russian Terrier Type) (JLPP, POANV)	RAB3GAP1	X	X	X
Juvenile Myoclonic Epilepsy (Rhodesian Ridgeback Type)	DIRAS1	X	X	X
L-2-Hydroxyglutaric Aciduria (Staffordshire Bull Terrier Type) (L-2-HGA)	L2HGDH	X	X	X
L-2-Hydroxyglutaric Aciduria (Yorkshire Terrier Type) (L-2-HGA)	L2HGDH			X
Lagotto Storage Disorder (LSD)	ATG4D		X	X
Laryngeal Paralysis and Polyneuropathy (Leonberger Type 3) (LPPN3)	CNTNAP1			X
Late Onset Ataxia (LOA, SCA)	CAPN1	X	X	X
Lethal Acrodermatitis (LAD)	MLKN1		X	X
Leukocyte Adhesion Deficiency, Type I (CLAD, LAD-A)	ITGB2	X	X	X
Leukocyte Adhesion Deficiency, Type III (CLAD, LAD-III)	FERMT3	X	X	X
Ligneous Membranitis (LM)	PLG	X	X	X
Limb-Girdle Muscular Dystrophy (Dachshund Type)	SGCA			X
Lundehund Syndrome (LS)	LEPRE1		X	X
Macular Corneal Dystrophy (Labrador Retriever Type) (MCD)	CHST6		X	X
Mammary Tumors (English Springer Spaniel Type Risk Factor)	CDK5RAP2			X
May-Hegglin Anomaly (MHA)	MYH9	X	X	X
Microphthalmia (Soft Coated Wheaten Terrier Type)	RBP4			X
Mucopolysaccharidosis I (Boston Terrier Type) (MPS I)	IDUA			X
Mucopolysaccharidosis I (Plott Hound Type) (MPS I)	IDUA	X	X	X
Mucopolysaccharidosis IIIA (Dachshund Type) (MPS IIIA)	SGSH	X	X	X
Mucopolysaccharidosis IIIA (New Zealand Huntaway Type) (MPS IIIA)	SGSH	X	X	X
Mucopolysaccharidosis IIIB (Schipperke Type) (MPS IIIB)	NAGLU			X
Mucopolysaccharidosis VI (Miniature Schnauzer Type) (MPS VI)	ARSB			X
Mucopolysaccharidosis VII (Brazilian Terrier Type) (MPS VII)	GUSB			X
Mucopolysaccharidosis VII (Shepherd Type) (MPS VII)	GUSB	X	X	X
Multidrug Resistance 1 (MDR1)	ABCB1	X	X	X
Multifocal Retinopathy 1 (CMR1)	BEST1	X	X	X
Multifocal Retinopathy 2 (CMR2)	BEST1	X	X	X
Multifocal Retinopathy 3 (CMR3)	BEST1	X	X	X
Muscular Dystrophy (Golden Retriever Type) (DMD, GRMD)	DMD	X	X	X
Musladin-Lueke Syndrome (MLS)	ADAMTSL2	X	X	X
Myostatin Deficiency (Whippet Type)	MSTN	X	X	X
Myotonia Congenita (Australian Cattle Dog Type)	CLCN1	X	X	X
Myotonia Congenita (Labrador Retriever Type)	CLCN1			X
Myotonia Congenita (Schnauzer Type)	CLCN1	X	X	X
Myotubular Myopathy 1 (Boykin Spaniel Type) (MTM1, XLMTM)	MTM1			X
Myotubular Myopathy 1 (Labrador Retriever Type) (MTM1, XLMTM)	MTM1	X	X	X
Myotubular Myopathy 1 (Rottweiler Type) (MTM1, XLMTM)	MTM1		X	X
Narcolepsy (Dachshund Type)	HCRTR2	X	X	X
Narcolepsy (Doberman Pinscher Type)	HCRTR2	X	X	X
Narcolepsy (Labrador Retriever Type)	HCRTR2	X	X	X
Neonatal Ataxia	GRM1			X
Neonatal Cerebellar Cortical Degeneration (NCCD)	SPTBN2	X	X	X
Neonatal Encephalopathy with Seizures (NEWS)	ATF2	X	X	X
Neuroaxonal Dystrophy (Giant Schnauzer Type) (NAD)	MFN2			X
Neuroaxonal Dystrophy (Papillon Type) (NAD)	PLA2G6			X
Neuroaxonal Dystrophy (Rottweiler Type) (NAD)	VPS11		X	X
Neuroaxonal Dystrophy (Spanish Water Dog Type) (NAD)	TECPR2		X	X
Neuronal Ceroid Lipofuscinosis (Tibetan Terrier Type) (NCL)	ATP13A2	X	X	X
Neuronal Ceroid Lipofuscinosis 1 (Cane Corso Type) (NCL, NCL1)	PPT1	X	X	X
Neuronal Ceroid Lipofuscinosis 1 (NCL, NCL1)	PPT1	X	X	X
Neuronal Ceroid Lipofuscinosis 10 (NCL, NCL10)	CTSD	X	X	X
Neuronal Ceroid Lipofuscinosis 12 (NCL, NCL12)	ATP13A2		X	X
Neuronal Ceroid Lipofuscinosis 2 (NCL, NCL2)	TPP1	X	X	X
Neuronal Ceroid Lipofuscinosis 4A (NCL, NCL4A)	ARSG	X	X	X
Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever Type) (NCL, NCL5)	CLN5		X	X
Neuronal Ceroid Lipofuscinosis 5 (Herding Dog Type) (NCL, NCL5)	CLN5	X	X	X
Neuronal Ceroid Lipofuscinosis 6 (NCL, NCL6)	CLN6	X	X	X
Neuronal Ceroid Lipofuscinosis 7 (NCL, NCL7)	MFSD8		X	X
Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd Type) (NCL, NCL8)	CLN8	X	X	X
Neuronal Ceroid Lipofuscinosis 8 (Setter Type) (NCL, NCL8)	CLN8	X	X	X
Nonsyndromic Hearing Loss (Rottweiler Type)	LOXHD1			X
Oculocutaneous Albinism (Doberman Pinscher Type) (OCA)	SLC45A2		X	X
Oculocutaneous Albinism (Small Breed Type) (OCA)	SLC45A2		X	X
Osteochondrodysplasia	SLC13A1		X	X
Osteogenesis Imperfecta (Beagle Type) (OI)	COL1A2	X	X	X
Osteogenesis Imperfecta (Dachshund Type) (OI)	SERPINH1	X	X	X
Osteogenesis Imperfecta (Golden Retriever Type) (OI)	COL1A1	X	X	X
P2RY12 Receptor Platelet Disorder	P2RY12	X	X	X
Pancreatitis (Miniature Schnauzer Type Risk Factor)	SPINK1			X
Pembroke Welsh Corgi Duchenne Muscular Dystrophy (DMD)	DMD	X	X	X
Persistent Müllerian Duct Syndrome (PMDS)	AMHR2	X	X	X
Pituitary Dwarfism (Shepherd Type)	LHX3			X
Polyneuropathy (Leonberger Type 1) (PN, LPN1)	ARHGEF10	X	X	X
Polyneuropathy (Leonberger Type 2) (PN, LPN2)	GJA9	X	X	X

Polyneuropathy with Ocular Abnormalities & Neuronal Vacuolation (POANV, WMS1)	RAB3GAP1		X	X
Pompe Disease (GSD II)	GAA	X	X	X
Prekallikrein Deficiency	KLKB1	X	X	X
Primary Ciliary Dyskinesia (Alaskan Malamute Type) (PCD)	NME5			X
Primary Ciliary Dyskinesia (Old English Sheepdog Type) (PCD)	CCDC39	X	X	X
Primary Hyperoxaluria (PH1)	AGXT	X	X	X
Primary Lens Luxation (PLL)	ADAMTS17	X	X	X
Primary Open Angle Glaucoma (POAG)	ADAMTS10	X	X	X
Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type) (POAG)	ADAMTS17		X	X
Primary Open Angle Glaucoma (Basset Hound Type) (POAG)	ADAMTS17		X	X
Primary Open Angle Glaucoma (Norwegian Elkhound Type) (POAG)	ADAMTS10		X	X
Primary Open Angle Glaucoma & Primary Lens Luxation (Shar Pei Type) (POAG/PLL)	ADAMTS17		X	X
Progressive Retinal Atrophy (Basenji Type) (PRA)	SAG	X	X	X
Progressive Retinal Atrophy (Bullmastiff/Mastiff Type) (PRA-D)	RHO	X	X	X
Progressive Retinal Atrophy (Giant Schnauzer Type) (PRA, PRA5)	NECAP1		X	X
Progressive Retinal Atrophy (Irish Setter Type) (PRA-rcd1)	PDE6B	X	X	X
Progressive Retinal Atrophy (Shetland Sheepdog Type) (CNGA1-PRA, PRA)	CNGA1		X	X
Progressive Retinal Atrophy (Sloughi Type Type) (PRA-rcd1a)	PDE6B	X	X	X
Progressive Retinal Atrophy, Cone-Rod Dystrophy (Dachshund Type) (PRA-crd)	NPHP4	X	X	X
Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type) (PRA-crd1)	PDE6B	X	X	X
Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type) (PRA-crd2)	IQCB1		X	X
Progressive Retinal Atrophy, Cone-Rod Dystrophy 3 (Glen of Imaal Terrier Type) (PRA-crd3)	ADAM9			X
Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 (PRA-crd4/crd1)	RPGRIP1		X	X
Progressive Retinal Atrophy, Early Onset (Spanish Water Dog Type)	PDE6B		X	X
Progressive Retinal Atrophy, Early-Onset (Portuguese Water Dog Type)	CCDC66			X
Progressive Retinal Atrophy, Generalized (Schapendoes Type) (Gpra)	CCDC66	X	X	X
Progressive Retinal Atrophy, Golden Retriever 1 (GR-PRA, GR1-PRA)	SLC4A3	X	X	X
Progressive Retinal Atrophy, Golden Retriever 2 (GR-PRA2, GR2-PRA)	TTC8	X	X	X
Progressive Retinal Atrophy, Late-Onset (Lapponian Herder Type)	IFT122			X
Progressive Retinal Atrophy, PRA1 (Papillon Type) (PRA, PRA1)	CNGB1	X	X	X
Progressive Retinal Atrophy, PRA3 (Tibetan Terrier & Spaniel Type) (PRA3)	FAM161A		X	X
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (PRA-prcd, PRCD)	PRCD	X	X	X
Progressive Retinal Atrophy, Rod-Cone Dysplasia 3 (PRA-rcd3)	PDE6A	X	X	X
Progressive Retinal Atrophy, Rod-Cone Dysplasia 4 (PRA-rcd4)	C2ORF71		X	X
Progressive Retinal Atrophy, Syndromic Retinal Degeneration (Shetland Sheepdog Type)	BBS2			X
Progressive Retinal Atrophy, X-Linked 1 (Husky Type) (XLPRA1)	RPGR		X	X
Progressive Retinal Atrophy, X-linked 2 (XLPRA2)	RPGR			X
Protein Losing Nephropathy - Variant 1 (PLN)	KIRREL2		X	X
Protein Losing Nephropathy - Variant 2 (PLN)	NPHS1		X	X
Pyruvate Dehydrogenase Deficiency (PDP1)	PDP1	X	X	X
Pyruvate Kinase Deficiency (Basenji Type) (PKD)	PKLR	X	X	X
Pyruvate Kinase Deficiency (Beagle Type) (PKD)	PKLR	X	X	X
Pyruvate Kinase Deficiency (Labrador Retriever Type) (PKD)	PKLR	X	X	X
Pyruvate Kinase Deficiency (Pug Type Type) (PKD)	PKLR	X	X	X
Pyruvate Kinase Deficiency (Terrier Type) (PKD)	PKLR	X	X	X
Recurrent Inflammatory Pulmonary Disease (IPD)	AKNA		X	X
Renal Cystadenocarcinoma & Nodular Dermatofibrosis	FLCN	X	X	X
Retinal Dysplasia/Oculoskeletal Dysplasia 1 (OSD1, DRD1, RD/OSD1)	COL9A3		X	X
Retinal Dysplasia/Oculoskeletal Dysplasia 2 (OSD2, DRD2, RD/OSD2)	COL9A2		X	X
Sensory Neuropathy (Border Collie Type) (SN)	FAM134B		X	X
Severe Combined Immunodeficiency Disease (Terrier Type) (SCID)	PRKDC	X	X	X
Severe Combined Immunodeficiency Disease (Wetterhound Type) (SCID)	RAG1	X	X	X
Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type) (XSCID)	IL2RG	X	X	X
Severe Combined Immunodeficiency Disease, X-Linked (Corgi Type) (XSCID)	IL2RG	X	X	X
Shar-Pei Autoinflammatory Disease (SPAID)	MTBP	X	X	X
Skeletal Dysplasia 2 (SD2)	COL11A2	X	X	X
Spinal Dysraphism	NKX2-8	X	X	X
Spinocerebellar Ataxia (Alpine Dachsbrake Type) (SCA)	SCN8A			X
Spinocerebellar Ataxia (Terrier Type) (SCA)	KCNJ10	X	X	X
Spondylocostal Dysostosis (SCD)	HES7		X	X
Stargardt Disease (STGD)	ABCA4		X	X
Startle Disease	SLC6A5	X	X	X
Subacute Necrotizing Encephalopathy (Yorkshire Terrier Type)	SLC19A3			X
Thrombopathia (American Eskimo Dog Type)	RASGRP1	X	X	X
Thrombopathia (Basset Hound Type)	RASGRP1	X	X	X
Thrombopathia (Newfoundland Type)	RASGRP1	X	X	X
Trapped Neutrophil Syndrome (TNS)	VPS13B	X	X	X
Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 1)	COL6A3			X
Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 2)	COL6A3			X
Urolithiasis (Native American Indian Dog Type)	APRT		X	X
Van Den Ende-Gupta Syndrome (VDEGS)	SCARF2		X	X
Von Willebrand Disease I (VWDI)	VWF	X	X	X
Von Willebrand Disease II (VWDII)	VWF	X	X	X
Von Willebrand Disease III (Kooikerhondje Type) (VWDIII)	VWF	X	X	X
Von Willebrand Disease III (Scottish Terrier Type) (VWDIII)	VWF	X	X	X
Von Willebrand Disease III (Shetland Sheepdog Type) (VWDIII)	VWF	X	X	X
		179	259	327