

Beagle



[Labgenvet](#)
[Donner, 2018](#)
[Donner, 2023](#)

Disease	Gene	Reference	# tests	M/N	
Factor VII Deficiency	F7	Donner, 2018	119	41.2%	
		Donner, 2023	5263	18.9%	
Cone-Rod Dystrophy (cord1-PRA/crd4)	RPGRIP1	Donner, 2018	119	32.8%	
		Donner, 2023	5273	18.8%	
Hypocatalasia	CAT	Donner, 2018	119	9.2%	
		Donner, 2023	5292	12.8%	
Chondrodystrophy and Intervertebral Disc Disease Risk (CDDY)	FGF4	Donner, 2023	5245	12.2%	DOMINANT
Musladin-Lueke syndrome (MLS)	ADAMTSL2	Donner, 2018	117	5.1%	
		Donner, 2023	5282	3.4%	
Neonatal Cerebellar Cortical Degeneration (NCCD)	SPTBN2	Donner, 2018	119	4.2%	
		Donner, 2023	5292	0.15%	
Degenerative Myelopathy (DM)	SOD1	Donner, 2018	119	1.7%	
		Donner, 2023	5292	3.3%	
Dilated Cardiomyopathy risk factor (TTN-related)	TTN	Donner, 2023	5292	2.1%	DOMINANT
Intestinal Cobalamin Malabsorption (CUBN-related)	CUBN	Donner, 2018	110	1.8%	
		Donner, 2023	5292	2.1%	
Congenital Myasthenic Syndrome (Heideterrier; CMS)	CHRNE	Donner, 2023	136	1.6%	
Primary Open Angle Glaucoma (Beagle; POAG)	ADAMTS10	Donner, 2018	119	3.4%	
		Donner, 2023	4993	1.4%	
Progressive Rod-Cone Degeneration (prcd-PRA)	PRCD	Donner, 2023	5282	0.43%	
Dilated Cardiomyopathy risk factor (PDK4-related)	PDK4	Donner, 2023	5292	0.40%	DOMINANT
Pyruvate Kinase (PK) Deficiency (Beagle)	PKLR	Donner, 2023	5278	0.32%	
Exercise-Induced Collapse (EIC)	DMN1	Donner, 2023	5291	0.25%	
Von Willebrand's Disease, Type 1 (vWD 1)	VWF	Donner, 2023	5291	0.15%	
Collie Eye Anomaly (CEA)	NHEJ1	Donner, 2023	5292	0.15%	
Cystinuria Type I-B (SLC7A9 p.A217T)	SLC7A9	Donner, 2023	5292	0.15%	
Hyperuricosuria (HUU)	SLC2A9	Donner, 2023	5292	0.13%	
Skeletal Dysplasia 2 (SD2)	COL11A2	Donner, 2023	5292	0.13%	
Cystinuria Type I-A (SLC3A1 p.I192V)	SLC3A1	Donner, 2023	5292	0.11%	
MDR1 (Multidrug Resistance 1) Medication Sensitivity	ABCB1	Donner, 2023	5292	0.11%	DOMINANT
Primary Lens Luxation (PLL)	ADAMTS17	Donner, 2023	5292	0.11%	
Cystinuria Type I-A (SLC3A1 p.S698G)	SLC3A1	Donner, 2023	5292	0.08%	
Progressive Retinal Atrophy (Giant Schnauzer; NECAP1-related)	NECAP1	Donner, 2023	5292	0.08%	
Canine Multifocal Retinopathy 1 (Mastiffs; CMR1)	BEST1	Donner, 2023	5292	0.06%	
Early-Onset Progressive Polyneuropathy (Greyhound)	NDRG1	Donner, 2023	5290	0.04%	
Neuronal Ceroid Lipofuscinosis 8 (Saluki; NCL8)	CLN8	Donner, 2023	5292	0.04%	
Polyneuropathy, Ocular Abnormalities, Neuronal Vacuolation (POANV)	RAB3GAP1	Donner, 2023	5225	0.02%	
Myeloperoxidase Deficiency (Italian Hound)	MPO	Donner, 2023	5289	0.02%	
Canine Scott Syndrome (CSS)	ANO6	Donner, 2023	5292	0.02%	
Congenital Hypothyroidism (Toy Fox Terrier, Rat Terrier)	TPO	Donner, 2023	5291	0.02%	
Craniomandibular Osteopathy (Cairn Terrier)	SLC37A2	Donner, 2023	5292	0.02%	DOMINANT
Ichthyosis (Golden Retriever)	PNPLA1	Donner, 2023	5292	0.02%	

Neuroaxonal Dystrophy (Rottweiler)	VPS11	Donner, 2023	5292	0.02%
Neuronal Ceroid Lipofuscinosis 7 (Chinese Crested, Chihuahua; NCL7)	MFSD8	Donner, 2023	5292	0.02%