

Boxer



[Labgenvet](#)

[Donner, 2018](#)

[Donner, 2023](#)

Disease	Gene	Reference	# tests	M/N	
Degenerative Myelopathy (DM)	SOD1	Labgenvet, 2021	25	16.0%	
		Donner, 2018	72	36.1%	
		Donner, 2023	4552	48.7%	
Arrhythmic Right Ventricular Cardiomyopathy	STRN	Labgenvet, 2021	11	36.4%	DOMINANT
Cystinuria Type I-A (SLC3A1 p.I192V)	SLC3A1	Donner, 2023	4557	0.96%	
Cystinuria Type I-A (SLC3A1 p.S698G)	SLC3A1	Donner, 2023	4557	0.81%	
Hyperuricosuria (HUU)	SLC2A9	Donner, 2018	72	1.4%	
		Donner, 2023	4557	0.6%	
X-linked myotubular myopathy	MTM1	Donner, 2018	72	1.4%	X-LINKED
Cystinuria Type I-B (SLC7A9 p.A217T)	SLC7A9	Donner, 2023	4555	0.59%	
Canine Multifocal Retinopathy 1 (Mastiffs; CMR1)	BEST1	Donner, 2023	4557	0.46%	
MDR1, Multi Drug Medication Sensitivity	ABCB1	Donner, 2023	4557	0.39%	DOMINANT
Dilated Cardiomyopathy risk factor (PDK4-related)	PDK4	Donner, 2023	4557	0.35%	DOMINANT
Progressive Rod-Cone Degeneration (prcd-PRA)	PRCD	Donner, 2023	4548	0.29%	
Chondrodystrophy, Intervert. Disc Disease Risk (CDDY)	FGF4	Donner, 2023	4535	0.20%	DOMINANT
Cone-Rod Dystrophy (cord1-PRA/crd4)	RPGRIP1	Donner, 2023	4548	0.18%	
Bleeding disorder (P2RY12-related)	P2RY12	Donner, 2023	4557	0.13%	
Collie Eye Anomaly (CEA)	NHEJ1	Donner, 2023	4557	0.11%	
Protein Losing Nephropathy (PLN)	NPHS1	Donner, 2023	4557	0.09%	
Von Willebrand's Disease, Type 1 (vWD 1)	VWF	Donner, 2023	4557	0.09%	
Dilated Cardiomyopathy risk factor (TTN-related)	TTN	Donner, 2023	4557	0.07%	DOMINANT
Exercise-Induced Collapse (EIC)	DNM1	Donner, 2023	4557	0.07%	
Cone-Rod Dystrophy 2 (Pit Bull Terrier; crd2)	IQCB1	Donner, 2023	4557	0.04%	
Cystinuria Type II-A (Australian Cattle Dog)	SSLC3A1	Donner, 2023	4557	0.04%	
Neuroaxonal Dystrophy (Rottweiler; VPS11-related)	VPS11	Donner, 2023	4557	0.04%	
Polyneuropathy, Ocular Abnormalities (POANV)	RAB3GAP1	Donner, 2023	4507	0.02%	
Centronuclear Myopathy (CNM)	HACD1	Donner, 2023	4556	0.02%	
Acral Mutilation Syndrome (AMS)	GDNF	Donner, 2023	4557	0.02%	
Chondrodysplasia, Disproportionate Short-limbed	ITGA10	Donner, 2023	4557	0.02%	
Cone-Rod Dystrophy 1 (crd1)	PDE6B	Donner, 2023	4557	0.02%	
Cranio-mandibular Osteopathy (Terriers)	SLC37A2	Donner, 2023	4557	0.02%	DOMINANT
Ichthyosis (American Bulldog)	NIPAL4	Donner, 2023	4557	0.02%	
Neuronal Ceroid Lipofuscinosis 4A (NCL4A)	ARSG	Donner, 2023	4557	0.02%	
Primary Lens Luxation (PLL)	ADAMTS17	Donner, 2023	4557	0.02%	