

Boston Terrier



[Labgenvet](#)

[Donner, 2018](#)

[Donner, 2023](#)

Disease	Gene	Reference	# tests	M/N	
Degenerative Myelopathy (DM)	SOD1	Labgenvet, 2021	11	9.1%	
		Donner, 2018	70	8.6%	
		Donner, 2023	3702	14.3%	
Canine Multifocal Retinopathy 1 (CMR1)	BEST1	Donner, 2023	3702	13.8%	
Hereditary cataracts (terriers)	HSF4	Labgenvet	23	4.3%	
		Donner, 2018	69	7.2%	
Cystinuria Type I-A (SLC3A1 p.I192V)	SLC3A1	Donner, 2023	3702	5.81%	
Cystinuria Type I-A (SLC3A1 p.S698G)	SLC3A1	Donner, 2023	3702	5.81%	
Dilated Cardiomyopathy risk factor (PDK4-related)	PDK4	Donner, 2023	3702	5.5%	DOMINANT
Chondrodystrophy, Intervertebral Disc Disease Risk (CDDY)	FGF4	Donner, 2023	3685	4.0%	DOMINANT
Cranio-mandibular Osteopathy (Terriers)	SLC37A2	Donner, 2023	3702	1.8%	DOMINANT
Hyperuricosuria (HUU)	SLC2A9	Donner, 2018	70	2.9%	
		Donner, 2023	3702	1.6%	
Cone-Rod Dystrophy (cord1-PRA/crd4)	RPGRIP1	Donner, 2023	3696	1.3%	
Cystinuria Type I-B (SLC7A9 p.A217T)	SLC7A9	Donner, 2023	3702	0.97%	
Von Willebrand's Disease, Type 1 (vWD 1)	VWF	Donner, 2023	3702	0.51%	
Dilated Cardiomyopathy risk factor (TTN-related)	TTN	Donner, 2023	3702	0.3%	DOMINANT
Bleeding disorder (Greater Swiss Mountain Dog; P2RY12-related)	P2RY12	Donner, 2023	3701	0.16%	
Progressive Rod-Cone Degeneration (prcd-PRA)	PRCD	Donner, 2023	3699	0.14%	
Limb-girdle Muscular Dystrophy, Type 2F (Boston Terrier)	SGCD	Donner, 2023	3702	0.11%	
Mutation reported at very low frequency (Donner, 2023):					
Musladin-Lueke syndrome (MLS)	ADAMTSL2	Donner, 2023	3701	>0.01%	
Amelogenesis Imperfecta (Parson Russell Terrier; AI)	ENAM	Donner, 2023	3702	>0.01%	
Neuronal Ceroid Lipofuscinosis 4A (Am. Staffordshire Terrier; NCL4A)	ARSG	Donner, 2023	3702	>0.01%	
Acral Mutilation Syndrome (AMS)	GDNF	Donner, 2023	3702	>0.01%	
Chondrodysplasia, Disproportionate Short-limbed (ITGA10-related)	ITGA10	Donner, 2023	3702	>0.01%	
Collie Eye Anomaly (CEA)	NHEJ1	Donner, 2023	3702	>0.01%	
Congenital Myasthenic Syndrome (CHRNE-related; CMS)	CHRNE	Donner, 2023	3702	>0.01%	