

Rottweiler



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

Disease	Gene	Reference	# tests	M/N	
Cone-Rod Dystrophy (cord1-PRA/crd4)	RPGRIP1	Donner, 2018	94	6.4%	
		Donner, 2023	4713	12.7%	
Polyneuropathy, Ocular Abnormalities, Neuronal Vacuolation (POANV)	RAB3GAP1	Donner, 2023	4667	6.1%	
Neuroaxonal Dystrophy (Rottweiler)	VPS11	Donner, 2023	4718	5.8%	
Nonsyndromic hearing loss (Rottweiler)	LOXHD1	Donner, 2023	4718	1.8%	
Degenerative Myelopathy	SOD1	Donner, 2023	4718	1.2%	
Dilated Cardiomyopathy risk factor (TTN-related)	TTN	Donner, 2023	4718	0.40%	DOMINANT
Von Willebrand's Disease, Type 1 (vWD 1)	VWF	Donner, 2023	4718	0.40%	
Dilated Cardiomyopathy risk factor (PDK4-related)	PDK4	Donner, 2023	4718	0.25%	DOMINANT
Hyperuricosuria (HUU)	SLC2A9	Donner, 2023	4718	0.21%	
Cystinuria Type I-A (SLC3A1 p.I192V)	SLC3A1	Donner, 2023	4716	0.19%	
Ichthyosis (Golden Retriever)	PNPLA1	Donner, 2023	4718	0.19%	
Exercise-Induced Collapse (EIC)	DNM1	Donner, 2023	4717	0.13%	
Progressive Rod-Cone Degeneration (prcd-PRA)	PRCD	Donner, 2023	4710	0.11%	
Cystinuria Type I-A (SLC3A1 p.S698G)	SLC3A1	Donner, 2023	4718	0.11%	
Chondrodystrophy, Intervertebral Disc Disease Risk (CDDY)	FGF4	Donner, 2023	4697	0.06%	DOMINANT
Acral Mutilation Syndrome (AMS)	GDNF	Donner, 2023	4718	0.06%	
Cystinuria Type I-B (SLC7A9 p.A217T)	SLC7A9	Donner, 2023	4718	0.06%	
Stargardt Disease (Labrador Retriever)	ABCA4	Donner, 2023	4718	0.06%	
Deafness and Vestibular Dysfunction (Doberman Pinscher)	MYO7A	Donner, 2023	4717	0.04%	
Shar-Pei Autoinflammatory Disease (SPAID)	MTBP, HAS2	Donner, 2023	4718	0.04%	
Centronuclear Myopathy (Labrador Retriever; CNM)	HACD1	Donner, 2023	4716	0.02%	
Canine Multifocal Retinopathy 1 (Mastiff; CMR1)	CMR1	Donner, 2023	4718	0.02%	
Collie Eye Anomaly (CEA)	NHEJ1	Donner, 2023	4718	0.02%	
Long QT Syndrome	KCNQ1	Donner, 2023	4718	0.02%	DOMINANT
MDR1 (Multidrug Resistance 1) Medication Sensitivity	ABCB1	Donner, 2023	4718	0.02%	
Narcolepsy (Labrador Retriever)	HCRTR2	Donner, 2023	4718	0.02%	DOMINANT
Sensory Neuropathy (Border Collie)	FAM134B	Donner, 2023	4718	0.02%	
Thrombopathia (Eskimo Spitz)	RASGRP2	Donner, 2023	4718	0.02%	