

Shetland Shepherd



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

Disease	Gene	Reference	# tests	M/N	
Collie Eye Anomaly (CEA)	NHEJ1	Donner, 2023	945	21.9%	DOMINANT
MDR1 (Multidrug Resistance 1) Medication Sensitivity	ABCB1	Donner, 2023	945	19.8%	
Degenerative Myelopathy (DM)	SOD1	Donner, 2023	945	16.5%	
Bardet-Biedl syndrome 2, Progressive Retinal Atrophy (Shetland Sheepdog)	BBS2	Donner, 2023	945	4.0%	
Von Willebrand's Disease, Type 3 (vWD 3)	VWF	Donner, 2023	945	2.2%	
Progressive Rod-Cone Degeneration (prcd-PRA)	PRCD	Donner, 2023	944	0.21%	
Progressive Retinal Atrophy (Shetland Sheepdog; CNGA1-PRA)	CNGA1	Donner, 2023	900	0.11%	