



Demographic Information

Call Name	Cutter	DOB	July 31, 2020
Registered Name	Beartooth Cutting Edge	Registration Number	ASDT-NE-2012227
Breed	Toy Australian Shepherd	Tattoo	
Sex	M	Microchip	
Owner	Julie Fullerton	Laboratory #	AN-21-005831
		Report Date	July 15, 2021

These tests were developed and performed by Paw Print Genetics®, Spokane WA.

Explanation of Results

Normal A 'Normal' result means that your dog does not have the mutation that causes the associated genetic disease.

Carrier A 'Carrier' result indicates that your dog has inherited one copy of the mutation that has been reported to cause this genetic disease. Your dog may not be clinically affected by this mutation because two copies of the mutation are usually required to cause disease.

Carrier / At-Risk A 'Carrier / At-Risk' result indicates that your dog inherited one copy of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one mutant copy of the gene may result in the disease. Dogs with one copy of the mutation may have a milder phenotype as compared to dogs with two copies of this mutation.

At-Risk / Affected An 'At-Risk / Affected' result indicates that your dog inherited one or two copies of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one or two mutant copies of the gene may result in the disease.

No Result 'No Result' indicates that we were unable to obtain a genotype for your dog for this specific disease or trait and does not mean that your dog is a carrier or at-risk for this disease. There are a variety of reasons why a specific test may not provide a reportable result. Unique variations in the genetic code of some individuals may exist and cause certain regions of the genome to not perform properly with a specific test. In addition, suboptimal sampling of the dog's cheek cells could also result in poor sample performance due to inadequate cell counts, bacterial and fungal growth, or the presence of other test inhibitors. An acceptable level of tests with no results has been determined by Paw Print Genetics. Dogs with at least 90% of the test results are determined to be acceptable and reportable. If your dog has an

unacceptable level of tests with no results, you will be contacted for a new sample to repeat the testing.

Please review our [testing terms and disclaimers](#) regarding your results.

WT: **wild type (normal)** M: **mutant** Y: **Y chromosome (male)**

Breed Profile

Disease Name	Geno.	Interpretation
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Coagulation Factor VII Deficiency	WT/WT	Normal (Clear)
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Collie Eye Anomaly	WT/WT	Normal (Clear)
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Cone Degeneration	WT/WT	Normal (Clear)
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Cranio-mandibular Osteopathy	WT/WT	Normal (Clear)
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Degenerative Myelopathy	WT/WT	Normal (Clear)
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Degenerative Myelopathy (Bernese Mountain Dog Variant)	0	
Degenerative Myelopathy (Common Variant)	0	

Exercise-Induced Collapse	WT/WT	Normal (Clear)
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Hereditary Cataracts Australian Shepherd Type	WT/WT	Normal (Clear)
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Hyperuricosuria	WT/WT	Normal (Clear)
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Intervertebral Disc Disease Risk Factor and Chondrodystrophy CDDY with IVDD	WT/WT	Normal (Clear)
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Multidrug Resistance 1	WT/WT	Normal (Clear)
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Multifocal Retinopathy 1	WT/WT	Normal (Clear)
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Neuronal Ceroid Lipofuscinosis 6	WT/WT	Normal (Clear)
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Neuronal Ceroid Lipofuscinosis 8 Australian Shepherd Type	WT/WT	Normal (Clear)
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Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration prcd	WT/WT	Normal (Clear)
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Coat Colors & Traits

Trait Name	Geno.	Interpretation
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A Locus Agouti	a ^t /a ^t	Tricolor, black and tan
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