



Demographic Information

Call Name	Gemma	DOB	Jan. 31, 2021
Registered Name	Hud's Rare Gem	Registration #	ASDM-OK-2104735
Breed	Miniature Australian Shepherd	Tattoo	-
Sex	Female	Microchip	-
Owner	Chyanna Huddleston	Laboratory #	358209 (AN-21-003334)
		Report Date	May 4, 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 cats 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	Genotype	Interpretation						
Collie Eye Anomaly	WT/WT	<input type="radio"/> Normal (clear)						
Cone Degeneration	WT/WT	<input type="radio"/> Normal (clear)						
Cranio-mandibular Osteopathy	WT/WT	<input type="radio"/> Normal (clear)						
Degenerative Myelopathy	WT/WT	<input type="radio"/> Normal (Clear)						
<table><tbody><tr><td>Degenerative Myelopathy (Bernese Mountain Dog Variant)</td><td>0</td><td></td></tr><tr><td>Degenerative Myelopathy (Common Variant)</td><td>0</td><td></td></tr></tbody></table>			Degenerative Myelopathy (Bernese Mountain Dog Variant)	0		Degenerative Myelopathy (Common Variant)	0	
Degenerative Myelopathy (Bernese Mountain Dog Variant)	0							
Degenerative Myelopathy (Common Variant)	0							
Exercise-Induced Collapse	WT/WT	<input type="radio"/> Normal (clear)						
Hereditary Cataracts (Australian Shepherd Type)	WT/WT	<input type="radio"/> Normal (clear)						
Hyperuricosuria	WT/WT	<input type="radio"/> Normal (clear)						
Intervertebral Disc Disease Risk Factor and Chondrodystrophy (CDDY with IVDD)	WT/WT	<input type="radio"/> Normal (clear)						
Intestinal Cobalamin Malabsorption (Border Collie Type)	WT/WT	<input type="radio"/> Normal (clear)						
Multidrug Resistance 1	WT/WT	<input type="radio"/> Normal (clear)						
Multifocal Retinopathy 1	WT/WT	<input type="radio"/> Normal (clear)						
Neuronal Ceroid Lipofuscinosis 6	WT/WT	<input type="radio"/> Normal (clear)						
Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd Type)	WT/WT	<input type="radio"/> Normal (clear)						
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd)	WT/WT	<input type="radio"/> Normal (clear)						
Von Willebrand Disease I	WT/WT	<input type="radio"/> Normal (clear)						

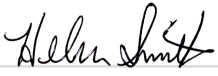
WT: wild type (normal) M: mutant Y: Y chromosome (male)

Von Willebrand Disease III (Shetland Sheepdog Type)

WT/WT

Normal (clear)

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



Helen F Smith, PhD
Associate Laboratory Director



Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Canine HealthCheck® is a product of Paw Print Genetics®. This test was developed and its performance determined by Paw Print Genetics®. This laboratory has established and verified the test's accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think any results are in error, please contact the laboratory for further evaluation.