

Customer & Pet Information

Call Name	Missy	DOB	June 22, 2022
Registered Name	-	Registration #	-
Breed	Toy Poodle	Tattoo	-
Sex	Female	Microchip	-
Ordered By	Jennifer Hoyt	Laboratory #	420007
		Report Date	April 15, 2025

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

Breed Profile

Disease Name	Genotype	Interpretation
Congenital Methemoglobinemia	WT/WT	Normal (Clear)
Degenerative Myelopathy	WT/WT	Normal (Clear)
Degenerative Myelopathy (Bernese Mountain Dog Variant)	0	
Degenerative Myelopathy (Common Variant)	0	
Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2)	WT/WT	Normal (Clear)
Ehlers-Danlos Syndrome (Poodle Type), Variant 1	0	
Ehlers-Danlos Syndrome (Poodle Type), Variant 2	0	
GM2 Gangliosidosis (Poodle Type)	WT/WT	Normal (Clear)
Hereditary Cataracts	WT/WT	Normal (Clear)
Intervertebral Disc Disease Risk Factor and Chondrodystrophy (CDDY with IVDD)	WT/WT	Normal (Clear)
Multidrug Resistance 1	WT/WT	Normal (Clear)
Neonatal Encephalopathy with Seizures	WT/WT	Normal (Clear)
Osteochondrodysplasia	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd)	WT/WT	Normal (Clear)

Progressive Retinal Atrophy, Rod-Cone Dysplasia 4	WT/M	Carrier
Von Willebrand Disease I	WT/WT	Normal (Clear)

WT: M: Y:

Coat Colors & Traits

Trait Name	Genotype	Interpretation
A Locus (Agouti)	a^t/a^t	Tricolor, black and tan
A ^s Locus (Saddle Tan)	N/N	No saddle tan/creeping tan
B Locus (Brown)	B/B	Black coat, nose and foot pads (does not carry brown)
B Locus (Brown) - b ^a	0	
B Locus (Brown) - b ^c	0	
B Locus (Brown) - b ^d	0	
B Locus (Brown) - b ^h	0	
B Locus (Brown) - b ^e	0	
B Locus (Brown) - b ^s	0	
Brachycephaly	BR/br	Likely medium to long muzzle (short muzzle carrier)
Chondrodysplasia (CDPA)	cd/CD	Likely short-legged (may be typical leg length carrier)
Co Locus (Cocoa, French Bulldog Type)	CO/CO	Black coat, nose and foot pads (does not carry cocoa)
Cu Locus (Curly Hair)	Cu^C/Cu^C	Curly coat
D Locus (Dilute)	D/D	Non-dilute (does not carry dilute)

D Locus (Dilute) - d ¹	0	
D Locus (Dilute) - d ²	0	
D Locus (Dilute) - d ³	0	
E Locus	E/e¹	Black - Carrier (Yellow/Red)
E Locus - E ^m (Melanistic Mask)	0	
E Locus - E ^B (Grizzle, Afghan Hound Type)	0	
E Locus - E ^h (Sable, Cocker Spaniel Type)	0	
E Locus - e ^A (Ancient Red, Spitz and Scent Hound Type)	0	
E Locus - e ¹ (Yellow/Red)	1	
E Locus - e ² (Cream, Australian Cattle Dog Type)	0	
E Locus - e ³ (White, Alaskan and Siberian Husky Type)	0	
H Locus (Harlequin, Great Dane Type)	h/h	No harlequin
Hairlessness	Rh/Rh	Coated
Hairlessness (American Hairless Terrier Type) - rh ¹	0	
Hairlessness (Scottish Deerhound Type) - rh ²	0	
Hr Locus (FOXI3 Hairless Gene Test, Mexican Hairless, Peruvian Hairless and Chinese Crested Type)	hr/hr	Coated
I Locus (Intensity)	I/I	Normal intensity
IC Locus (Improper Coat/Furnishings)	F/F	Furnishings
K Locus (Dominant Black)	K^B/K^B	No agouti expression allowed
L Locus (Long Hair/Fluffy)	Lh¹/Lh¹	Longhaired (carries two copies of long hair)

L Locus (Long Hair/Fluffy) - Lh ¹	2	
L Locus (Long Hair/Fluffy) - Lh ²	0	
L Locus (Long Hair/Fluffy) - Lh ³	0	
L Locus (Long Hair/Fluffy) - Lh ⁴	0	
M Locus (Merle)	m/m	Non merle
Polydactyly (Common Variant)	pd/pd	Normal (typical) toes (likely no hind dewclaws)
Polydactyly (Great Pyrenees Type)	WT/WT	Normal (Clear)
R Locus (Roan/Ticked)	r/r	No roan or ticking
R Locus (Roan/Ticked) - R ^{Ti}	0	
R Locus (Roan/Ticked) - R	0	
S Locus (White Spotting, Parti, or Piebald)	s^P/s^P	Nearly solid white, parti, or piebald
SD Locus (Shedding)	sd/SD	Moderate shedding
Sex Determination	X/X	Female
Social Behavior	WT/M; WT/WT	May demonstrate more social behavior
Social Behavior, Variant 1	1	
Social Behavior, Variant 2	0	
T Locus (Natural Bobtail)	t/t	Normal tail

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

Determinants of coat colors and traits are complex. Many of these variants are known and many of the genes screened in the Canine HealthCheck interact. In addition, not all the genetic factors that contribute to a dog's coat color and traits are known. Because of the complexities in gene-gene interactions, the coat colors and traits reported in your Canine HealthCheck results may vary from your dog's actual appearance. Individual differences in genes throughout the canine genome, not tested in this genetic screen, may also affect the final coat color or traits seen in your dog.

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. 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.



Micah Halpern, PhD
Principal Scientist

Mary Simonson
Laboratory Manager

CERTIFICATE OF RESULTS FOR SAMPLE ID #:

486472

OWNER'S NAME: JENNIFER HOYT
PET'S NAME*: GISELLE
PET'S REGISTRATION #: NOT PROVIDED
PET'S BREED: TOY POODLE
DATE TESTED: 10/23/2024

TEST	RESULT**	TEST RESULT EXPLANATION***
Chondrodystrophy And Intervertebral Disc Disease Risk (CDDY-IVDD)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and do not possess the mutation that leads to shortened legs and increased risk for intervertebral disc disease.

*GenSol warrants its test results to be accurate for the sample obtained from the above pet. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GENSOL BE LIABLE FOR INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. Any claim must be asserted within one year of the report of test results.

**All samples submitted to GenSol become the property of GenSol and may be used for internal quality control and/or research purposes. Test results provide information concerning a pet's DNA sequence and are not an indication or guarantee of pet's disease state or condition. Test results alone should not be used to diagnosis, treat or prevent disease.

***For detailed result explanation visit www.gensoldx.com. Please consult a licensed veterinarian to discuss the implications.

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