



Demographic Information

Call Name	Milo	DOB	September 26, 2019
Registered Name	Rocky Desert's Red Milo	Registration Number	PR22104005
Breed	Miniature Poodle	Tattoo	
Sex	M	Microchip	
Owner	Brin Turpin	Laboratory #	AN-21-001129
Co-Owner	Jason Turpin	Report Date	February 19, 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

[Degenerative Myelopathy](#)

WT/WT

Normal (Clear)

Degenerative Myelopathy (Bernese Mountain Dog Variant)
Degenerative Myelopathy (Common Variant)

0
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/WT

Normal (Clear)

[Von Willebrand Disease I](#)

WT/WT

Normal (Clear)

WT: **wild type (normal)**

M: **mutant**

Y: **Y chromosome (male)**

Coat Colors & Traits

Trait Name

Geno.

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

B Locus (Brown) - b^a
B Locus (Brown) - b^c

0
0

B Locus (Brown) - b ^d B Locus (Brown) - b ^s	0 0	
Brachycephaly	BR/BR	Likely medium to long muzzle
Chondrodysplasia CDPA	cd/cd	Likely typical leg length
Cu Locus Curly Hair	Cu ^C /Cu ^C	Curly coat
D Locus Dilute	D/D	Non dilute
D Locus (Dilute) - d ¹ D Locus (Dilute) - d ²	0 0	
E Locus Yellow/Red	e/e	Yellow/red
E^g Locus Grizzle, Afghan Hound Type	N/N	No grizzle
E^h Locus Sable, Cocker Spaniel Type	N/N	No sable
E^m Locus Melanistic Mask	N/N	No melanistic mask
H Locus Harlequin, Great Dane Type	h/h	No harlequin
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	Lh/Lh	Longhaired
L Locus (Long Hair/Fluffy) - Lh ¹ L Locus (Long Hair/Fluffy) - Lh ²	2 0	
M Locus Merle	m/m	Non merle
Polydactyly	pd/pd	Normal (typical) toes (likely no hind dewclaws)
S Locus	S/s ^P	Limited white spotting,

White Spotting, Parti, or Piebald		flash, parti, or piebald (carrier)
SD Locus Shedding	SD/SD	High shedding
Sex Determination	X/Y	Male
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.

Diseases

Disease Name	Geno.	Interpretation
Acral Mutilation Syndrome	WT/WT	Normal (Clear)
Acute Respiratory Distress Syndrome	WT/WT	Normal (Clear)
Adult Paroxysmal Dyskinesia	WT/WT	Normal (Clear)
Alaskan Husky Encephalopathy	WT/WT	Normal (Clear)
Alaskan Malamute Polyneuropathy	WT/WT	Normal (Clear)
Amelogenesis Imperfecta	WT/WT	Normal (Clear)
Benign Familial Juvenile Epilepsy	WT/WT	Normal (Clear)
Canine Multiple System Degeneration Chinese Crested Type	WT/WT	Normal (Clear)
Canine Multiple System Degeneration Kerry Blue Terrier Type	WT/WT	Normal (Clear)
Canine Scott Syndrome	WT/WT	Normal (Clear)
Catalase Deficiency	WT/WT	Normal (Clear)
Centronuclear Myopathy	WT/WT	Normal (Clear)
Cerebellar Ataxia Finnish Hound Type	WT/WT	Normal (Clear)
Cerebellar Cortical Degeneration	No Result	No Result
Cerebellar Degeneration	WT/WT	Normal (Clear)
Chondrodysplasia Karelian Bear Dog and Norwegian Elkhound Type	WT/WT	Normal (Clear)