

## Dog Information






<b>Millie Millz (Millie)</b> NAME	<b>Female</b> SEX
<b>Doberman Pinscher</b> BREED ANCESTRY	<b>February 2nd, 2019</b> DATE OF BIRTH
<b>American Kennel Club (AKC) WZ01990906</b> REGISTRATION	<b>98514100122539</b> MICROCHIP

**Todd Miller**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**November 14th, 2020**  
TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Deafness and Vestibular Syndrome of Dobermans, DVDob, DINGS	MYO7A	GG	Clear	
Degenerative Myelopathy, DM	SOD1(A)	GG	Clear	
Dilated Cardiomyopathy, DCM1	PDK4	ND	1 Variant	
Dilated Cardiomyopathy, DCM2	TTN	N/M	1 Variant	
Von Willebrand Disease Type I, Type I vWD	VWF	GA	1 Variant	

## Dog Information

**Millie Millz (Millie)**  
NAME

## INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		26%
MHC Class II - DLA DRB1		No Diversity
MHC Class II - DLA DQA1 and DQB1		No Diversity

## Dog Information

Millie Millz (Millie)  
NAME

## TRAIT TESTS (1/2)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	No dark mask or grizzle	EE
K Locus (CBD103)	More likely to have a patterned haircoat	k <sup>y</sup> k <sup>y</sup>
Intensity Loci LINKAGE	Any light hair likely yellow or tan	Intermediate Red Pigmentation
A Locus (ASIP)	Black/Brown and tan coat color pattern	a <sup>+</sup> a <sup>t</sup>
D Locus (MLPH)	Dark areas of hair and skin are not lightened	DD
B Locus (TYRP1)	Black or gray hair and skin	Bb
Saddle Tan (RALY)	Likely saddle tan patterned	NI
S Locus (MITF)	Likely solid colored, but may have small amounts of white	Ssp
M Locus (PMEL)	No merle alleles	mm
H Locus (Harlequin)	No harlequin alleles	hh

Other Coat Traits	RESULT	GENETIC RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely short or mid-length coat	GG
Shedding (MC5R)	Likely light to moderate shedding	TT
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE	Reduced pigmentation	DD
Coat Texture (KRT71)	Likely straight coat	CC

## Dog Information

**Millie Millz (Millie)**  
NAME

## TRAIT TESTS (2/2)

Body Size	RESULT	GENETIC RESULT
Body Size (IGF1)	Intermediate	NI
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Larger	TT
Body Size (GHR - E191K)	Larger	GG
Body Size (GHR - P177L)	Larger	CC

Performance	RESULT	GENETIC RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN