

Dog Information

Millie's Rubi of Sant Millz (Rubi) NAME	Female SEX
Doberman Pinscher BREED ANCESTRY	January 18th, 2023 DATE OF BIRTH
American Kennel Club (AKC) wz02456604 REGISTRATION	985141005386992 MICROCHIP

Todd Miller
OWNER NAME

Canine Genetic Health Screen
TEST

April 9th, 2024
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	SOD1A	GG	Clear	
Dilated Cardiomyopathy, DCM1	PKD4	NN	Clear	
Dilated Cardiomyopathy, DCM2	TTN	N/N	Clear	
Narcolepsy	HCRTR2	NN	Clear	
Unilateral Deafness and Vestibular Syndrome	PTPRQ Exon 39	NN	Clear	
Von Willebrand Disease Type I, Type I vWD	VWF	GA	1 Variant	
Ehlers Danlos	ADAMTS2	GG	Clear	

Dog Information

Millie's Rubi of Sant Millz (Rubi)
NAME

INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		21%
MHC Class II - DLA DRB1		No Diversity
MHC Class II - DLA DQA1 and DQB1		No Diversity

Dog Information

Millie's Rubi of Sant Millz (Rubi)
NAME

TRAIT TESTS (1/3)

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^Yk^Y
Intensity Loci	Any light hair likely yellow or tan	Intermediate Red Pigmentation
A Locus (ASIP)	Black/Brown and tan coat color pattern	a^+a^+
D Locus (MLPH)	Dark areas of hair and skin are not lightened	DD
Cocoa (HPS3)	No co alleles, not expressed	NN
B Locus (TYRP1)	Brown 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
R Locus (USH2A)	Likely no impact on coat pattern	rr

Dog Information

Millie's Rubi of Sant Millz (Rubi)
NAME

TRAIT TESTS (2/3)

Coat Color	RESULT	GENETIC RESULT
H Locus (Harlequin)	No harlequin alleles	hh
Panda White Spotting	Not expected to display Panda pattern	NN

Other Coat Traits	RESULT	GENETIC RESULT
Furnishings (RSPO2)	Likely unfurnished (no mustache, beard, and/or eyebrows)	ll
Coat Length (FGF5)	Likely short or mid-length coat	ShSh
Shedding (MC5R)	Likely light shedding	TT
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (FOXI3)	Very unlikely to be hairless	NN
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2)	Likely not albino	ND

Other Body Features	RESULT	GENETIC RESULT
Muzzle Length (BMP3)	Likely medium or long muzzle	CC
Tail Length (T)	Likely normal-length tail	CC

Dog Information

Millie's Rubi of Sant Millz (Rubi)
NAME

TRAIT TESTS (3/3)

Other Body Features	RESULT	GENETIC RESULT
Hind Dewclaws (LMBR1)	Unlikely to have hind dew claws	CC
Chondrodysplasia (Chr. 18 FGF4 Retrogene)	Not indicative of chondrodysplasia (normal leg length)	NN
Blue Eye Color (ALX4)	Less likely to have blue eyes	NN
Back Muscling & Bulk, Large Breed (ACSL4)	Likely normal muscling	CC

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)	Normal food motivation	NN