

## Dog Information

**Hazel Espresso Millz**  
NAME

**Female**  
SEX

**Doberman Pinscher**  
GENETIC BREED

**July 10th, 2019**  
DATE OF BIRTH

**AKC: WZ02047612**  
REGISTRATION






**9810200330374020033037406**  
MICROCHIP

**Todd Miller**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**November 20th, 2020**  
TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Deafness and Vestibular Syndrome of Dobermans, DVDob, DINGS	MYO7A	GG	Clear	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
Dilated Cardiomyopathy, DCM1	PDK4	NN	Clear	
Dilated Cardiomyopathy, DCM2	TTN	N/N	Clear	
Von Willebrand Disease Type I	VWF	GG	Clear	

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## INBREEDING AND DIVERSITY

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

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## TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	Can have a melanistic mask	E <sup>m</sup> E
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>t</sup> a <sup>t</sup>
D Locus (MLPH)	Dark areas of hair and skin are not lightened	Dd
B Locus (TYRP1)	Brown hair and skin	bb
Saddle Tan (RALY)	Not saddle tan patterned	ll
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
Furnishings (RSP02) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	ll
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	Likely not albino	ND

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## TRAIT TESTS (2/2)

Body Size		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
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN