






## Dog Information

**Princess Rayven Carrero-Millz (Rayven)** **Female**  
NAME SEX  
**Doberman Pinscher** **September 11th, 2018**  
GENETIC BREED DATE OF BIRTH  
**AKC: n/a** **n/a**  
REGISTRATION MICROCHIP

**Todd Miller**  
OWNER NAME  
**Canine Genetic Health Screen**  
TEST  
**January 6th, 2021**  
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	ND	1 Variant	
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	43%
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)	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>t</sup> a <sup>t</sup>
D Locus (MLPH)	Dark areas of hair and skin are not lightened	DD
Cocoa (HPS3)	No co alleles, not expressed	NN
B Locus (TYRP1)	Black or gray hair and skin	Bb
Saddle Tan (RALY)	Likely saddle tan patterned	NI
S Locus (MITF)	Likely to have little to no white in coat	SS
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)	II
Coat Length (FGF5)	Likely short or mid-length coat	GG
Shedding (MC5R)	Likely light to moderate shedding	TT
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN

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## TRAIT TESTS (2/2)

Body Size		RESULT
Body Size (IGF1)	Larger	NN
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