DNA Test Report

Dog Information

Lolita Del Nero Bianco (Lolita)
NAME

Female
SEX

Doberman Pinscher
BREED ANCESTRY

November 10th, 2023
DATE OF BIRTH

American Kennel Club (AKC)
REGISTRATION

900263004128865
MICROCHIP

Todd Miller
OWNER NAME

Canine Genetic Health Screen
TEST

February 21st, 2026
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Deafness and Vestibular Syndrome of Dobermans, DVDob, DINGS	MYO7A	GG	Clear	
Dilated Cardiomyopathy, DCM1	PDK4	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	GG	Clear	
Copper Toxicosis (Accumulating)	ATP7B	GG	Clear	
Copper Toxicosis (Attenuating)	ATP7A	CC	Clear	
Ehlers Danlos	ADAMTS2	GG	Clear	

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INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		**45%**
MHC Class II - DLA DRB1		**No Diversity**
MHC Class II - DLA DQA1 and DQB1		**No Diversity**

embark

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TRAIT TESTS (1/3)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	Can have a melanistic mask	E^mE^m
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^ta^t
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)	Not saddle tan patterned	ll
S Locus (MITF)	Likely to have little to no white in coat	SS
M Locus (PMEL)	No merle alleles	mm
R Locus (USH2A)	Likely no impact on coat pattern	rr

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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)	II
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	NN

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

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