

## Dog Information

Sable Female  
NAME

Poodle (Standard)  
GENETIC BREED

n/a  
REGISTRATION

Female  
SEX

—  
DATE OF BIRTH

n/a  
MICROCHIP

Emily Hamilton  
OWNER NAME

Canine Genetic Health Screen  
TEST

August 15th, 2021  
TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
Neonatal Encephalopathy with Seizures, NEWS	ATF2	TT	Clear	
Osteochondrodysplasia, Skeletal Dwarfism	SLC13A1	NN	Clear	
Progressive Retinal Atrophy, prcd	PRCD Exon 1	GG	Clear	
Von Willebrand Disease Type I	VWF	GG	Clear	
Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD	FGF4 - chr12	N/N	Clear	
GM2 Gangliosidosis	HEXB (Exon 3)	NN	Clear	

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**INBREEDING AND DIVERSITY**

Genetic Diversity

RESULT

Coefficient Of Inbreeding

14%

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>l</sup> k <sup>l</sup>
Intensity Loci LINKAGE	Any light hair likely yellow or tan	Intermediate Red Pigmentation
A Locus (ASIP)	Fawn Sable coat color pattern	a <sup>y</sup> a <sup>+</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)	Not expressed	NI
S Locus (MITF)	Likely to have little to no white in coat	SS
M Locus (PMEL)	No merle alleles	mm
R Locus (USH2A) LINKAGE	Likely no impact on coat pattern	rr
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits		RESULT
Furnishings (RSPO2) LINKAGE	Likely furnished (mustache, beard, and/or eyebrows)	FF
Coat Length (FGF5)	Likely long coat	TT
Shedding (MC5R)	Likely light shedding	CT
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN

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## TRAIT TESTS (2/2)

Body Size	RESULT
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Body Size (IGF1)	Smaller II
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Body Size (IGF1)	Larger GG
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Body Size (STC2)	Larger TT
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Body Size (GHR - E101K)	Larger GG
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Body Size (GHR - P177L)	Larger CC
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Performance	RESULT
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Altitude Adaptation (EPAS1)	Normal altitude tolerance GG
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Appetite (POMC) LINKAGE	Normal food motivation NN
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