

## Dog Information

Sable Female	Female	Emily Hamilton
NAME	SEX	OWNER NAME
Poodle (Standard)	--	Canine Genetic Health Screen
GENETIC BREED	DATE OF BIRTH	TEST
n/a	n/a	August 15th, 2021
REGISTRATION	MICROCHIP	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>y</sup> k <sup>y</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>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)	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
Body Size (IGF1)	Smaller II
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