

Dog Information








Sable Female	Female
NAME	SEX
Poodle (Standard)	--
GENETIC BREED	DATE OF BIRTH
n/a	n/a
REGISTRATION	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 ^m e
K Locus (CBD103)	More likely to have a patterned haircoat	k ^y k ^y
Intensity Loci LINKAGE	Any light hair likely yellow or tan	Intermediate Red Pigmentation
A Locus (ASIP)	Fawn Sable coat color pattern	a ^y a ^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)	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 (RSP02) 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