

## Dog Information

<b>Austin</b> NAME	<b>Male</b> SEX
<b>Poodle (Small)</b> BREED ANCESTRY	-- DATE OF BIRTH
<b>n/a</b> REGISTRATION	<b>n/a</b> MICROCHIP

**Danny Schrock**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**July 22nd, 2021**  
TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Degenerative Myelopathy, DM	SOD1(A)	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, Type I vWD	VWF	GG	Clear	
Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD	FGF4 - chr12	N/I	1 Variant	
GM2 Gangliosidosis	HEXB (Exon 3)	NN	Clear	

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## INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		8%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High Diversity

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## TRAIT TESTS (1/2)

Coat Color	RESULT	GENETIC RESULT
<b>E Locus (MC1R)</b>	No dark hairs anywhere	ee
<b>K Locus (CBD103)</b>	Not expressed	K <sup>B</sup> k <sup>Y</sup>
<b>Intensity Loci LINKAGE</b>	Any pigmented hair likely yellow or tan	Intermediate Red Pigmentation
<b>A Locus (ASIP)</b>	Not expressed	a <sup>w</sup> a <sup>t</sup>
<b>D Locus (MLPH)</b>		No Call
<b>Cocoa (HPS3)</b>	No co alleles, not expressed	NN
<b>B Locus (TYRP1)</b>	Likely black colored nose/feet	BB
<b>Saddle Tan (RALY)</b>	Not expressed	ll
<b>S Locus (MITF)</b>	Likely to have little to no white in coat	SS
<b>M Locus (PMEL)</b>	No merle alleles	mm
<b>R Locus (USH2A) LINKAGE</b>	Likely no impact on coat pattern	rr
<b>H Locus (Harlequin)</b>	No harlequin alleles	hh

  

Other Coat Traits	RESULT	GENETIC RESULT
<b>Furnishings (RSP02) LINKAGE</b>	Likely furnished (mustache, beard, and/or eyebrows)	FF
<b>Coat Length (FGF5)</b>	Likely long coat	TT
<b>Shedding (MC5R)</b>	Likely light shedding	CC
<b>Hairlessness (FOXI3) LINKAGE</b>	Very unlikely to be hairless	NN
<b>Hairlessness (SGK3)</b>	Very unlikely to be hairless	NN

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## TRAIT TESTS (2/2)

Body Size	RESULT	GENETIC RESULT
Body Size (IGF1)	Smaller	II
Body Size (IGFR1)	Intermediate	GA
Body Size (STC2)	Larger	TT
Body Size (GHR - E191K)	Smaller	AA
Body Size (GHR - P177L)	Intermediate	CT

  

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