

## Dog Information








<b>Bindi</b> NAME	<b>Female</b> SEX
<b>Poodle (Standard)</b> GENETIC BREED	<b>December 5th, 2018</b> DATE OF BIRTH
<b>n/a</b> REGISTRATION	<b>n/a</b> MICROCHIP

**Rebecca James**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**January 24th, 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	11%
MHC Class II - DLA DRB1	Low 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>me</sup>
K Locus (CBD103)	More likely to have a mostly solid black or brown coat	K <sup>BkV</sup>
Intensity Loci LINKAGE	No impact on coat pattern	Intermediate Red Pigmentation
A Locus (ASIP)	Not expressed	a <sup>ya</sup> 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 expressed	NI
S Locus (MITF)	Likely solid colored, but may have small amounts of white	Ssp
M Locus (PMEL)	No merle alleles	mm
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	CC
Coat Texture (KRT71)	Likely wavy coat	CT
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN

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## TRAIT TESTS (2/2)

Body Size		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
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN