



DNA Test Report

Dog Information

SFC's Shelbie Lynn (Shelbie)
NAME

Female
SEX

Chihuahua
GENETIC BREED

August 15th, 2019
DATE OF BIRTH

American Kennel Club: TS43636802
REGISTRATION

n/a
MICROCHIP

Britanie Rains
OWNER NAME

Canine Genetic Health Screen
TEST

June 17th, 2020
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Congenital Macrothrombocytopenia	TUBB1 Exon 1 SNP 745	GG	Clear	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD	FGF4 - chr12	N/N	Clear	
Neuronal Ceroid Lipofuscinosis	MFSD8	NN	Clear	
Progressive Retinal Atrophy - crd4/cord1	RPGRIP1 (Exon 2)	NN	Clear	
Progressive Retinal Atrophy, prcd	PRCD Exon 1	GG	Clear	
Spinocerebellar Ataxia with Myokymia and/or Seizures	KCNJ10	CC	Clear	

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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 mostly solid black or brown coat	K ^{Bk} Y
A Locus (ASIP)	Not expressed	a ^t a ^t
D Locus (MLPH)	Dark areas of hair and skin are lightened	dd
B Locus (TYRP1)	Black or gray hair and skin	BB
Saddle Tan (RALY)	Not expressed	NN
M Locus (PMEL)	No merle alleles	mm
Other Coat Traits		RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	ll
Coat Length (FGF5)	Likely short or mid-length coat	GT
Shedding (MC5R)	Likely light to moderate shedding	TT
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE	Likely not albino	NN
Other Body Features		RESULT
Muzzle Length (BMP3)	Likely medium or long muzzle	AC
Tail Length (T)	Likely normal-length tail	CC



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TRAIT TESTS (2/2)

	RESULT
Body Size	
Body Size (IGF1)	Smaller II
Body Size (IGFR1)	Larger GG
Body Size (STC2)	Smaller AA
Body Size (GHR - E191K)	Smaller AA
Body Size (GHR - P177L)	Intermediate CT
Performance	
Altitude Adaptation (EPAS1)	Normal altitude tolerance GG
Appetite (POMC) LINKAGE	Normal food motivation NN