

Dog Information

Tayler Veseliy Gremlin (Tyler)
NAME

Male
SEX

French Bulldog
GENETIC BREED

October 15th, 2018
DATE OF BIRTH

AKC: n/a
REGISTRATION






n/a
MICROCHIP

Laurel McComas
OWNER NAME

Canine Genetic Health Screen
TEST

February 27th, 2020
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Canine Multifocal Retinopathy	BEST1/VMD2 (Exon 2)	CC	Clear	
Degenerative Myelopathy, DM	SOD1	GA	1 Variant	
Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU	SLC2A9 (Exon 5)	CC	Clear	
Progressive Retinal Atrophy - crd4/cord1	RPGRIP1 (Exon 2)	NN	Clear	
Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD	FGF4 - chr12	N/I	1 Variant	

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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 ^B k ^Y
A Locus (ASIP)	Not expressed	a ^Y a ^Y
D Locus (MLPH)	Dark areas of hair and skin are not 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
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Other Coat Traits		RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely short or mid-length coat	GG
Shedding (MC5R)	Likely light to moderate shedding	TT
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE	Likely not albino	NN
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Other Body Features		RESULT
Muzzle Length (BMP3)	Likely short muzzle	AA
Tail Length (T)	Likely normal-length tail	CC

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TRAIT TESTS (2/2)

Body Size		RESULT
Body Size (IGF1)	Intermediate	NI
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Larger	TT
Body Size (GHR - E191K)	Intermediate	GA
Body Size (GHR - P177L)	Larger	CC

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

Genetic Diversity		RESULT
Coefficient Of Inbreeding		19%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High Diversity