

Dog Information

Pelicanos Bela
NAME

Male
SEX

French Bulldog
GENETIC BREED

March 28th, 2017
DATE OF BIRTH

n/a
REGISTRATION







n/a
MICROCHIP

Claudia Fuhrmann
OWNER NAME

Canine Genetic Health Screen
TEST

July 18th, 2018
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Canine Multifocal Retinopathy	BEST1 (aka VMD2); exon 2	CC	Clear	
Degenerative Myelopathy	SOD1	GG	Clear	
Hereditary Cataracts, Early-Onset Cataracts, Juvenile Cataracts	HSF4	NN	Clear	
Hyperuricosuria and Hyperuricemia or Urolithiasis	SLC2A9 (exon 5)	CC	Clear	
Progressive Retinal Atrophy - crd4/cord1	RPGRIP1 (exon 2)	NN	Clear	
Malignant Hyperthermia	RYR1	TT	Clear	

Dog Information ✦

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TRAIT TESTS (1/2)

Coat Color	GENOTYPE
E Locus (Mask, Grizzle, Recessive Red)	E ^m E ^m
K Locus (Dominant Black)	K ^{Bk} γ
A Locus (Agouti, Sable)	a ^γ a
D Locus (Dilute, Blue, Fawn)	DD
B Locus (Brown, Chocolate, Liver, Red)	BB

Other Coat Traits	GENOTYPE
Furnishings / Improper Coat (RSPO2)	II
Long Haircoat (FGF5)	GT
Shedding (MC5R)	TT
Curly Coat (KRT71)	CC

Body Size	GENOTYPE
Body Size - IGF1	II
Body Size - IGF1R	GG
Body Size - STC2	TT
Body Size - GHR (E195K)	GG
Body Size - GHR (P177L)	CC

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TRAIT TESTS (2/2)

Other Body Features	GENOTYPE
Brachycephaly (BMP3)	AC
Natural Bobtail (T)	CC
Hind Dewclaws (LMBR1)	CC

Performance	GENOTYPE
Altitude Adaptation (EPAS1)	GG

Genetic Diversity	RESULT
Inbreeding Coefficient	18%
MHC Class II - DLA DRB1	High Diversity
MHC Class II - DLA DQA1 and DQB1	High Diversity