

Canine Genetic Testing Report



Submitted By

Pet Couture Unleashed

United States

Subject Dog 00179373

Date Received: 2/13/2020

Dog Name: **Knox**
Breed: **French Bulldog**
Phenotype: **Blue Tri Merle**

Registration:
Microchip:
Sex: **Male**

Birth: 07/25/2017

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

Coat Color Testing			
X	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n	Negative for wild-sable.
X	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.
X	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.
X	B Locus	B/B	Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring
X	D Locus	d/d	Dog is homozygous for the dilution gene. The dog will always pass on a copy of the dilution gene to any offspring.
X	E Locus- EM	n/EM	Dog has one copy of the allele for melanistic mask
X	E Locus- e	E/E	Dog does not carry the gene responsible for yellow coat color. This dog will never pass on the allele for yellow coat color.
X	K Locus-KB	n/KB	Dog has one copy of the dominant black gene. Dog is self-colored and can pass on that gene to any offspring.
X	Spotting	N/S	Dog has one copy of the MITF variant associated with parti-color in some breeds.
	Harlequin		<i>Not Tested</i>
	Merle		<i>Not Tested</i>

Genetic Disorders			
	CDDY		<i>Not Tested</i>
	CDPA		<i>Not Tested</i>
X	CMR1	n/n	Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1.
	cord1-PRA		<i>Not Tested</i>
X	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	HUU	n/n	Clear: Dog tested negative for the Hyperuricosuria.
X	JHC	n/n	Clear: Dog tested negative for the HSF-4 Hereditary Cataract mutation.

Coat Type Testing			
X	Hair Length	L/L	Short Hair: Dog does not have the long-hair allele.
X	Hair Curl	n/n	Non-Curly Coat: Dog does not carry the mutation for coat curl.
X	Furnishings	n/n	Dog is negative for the Furnishings mutation.
	Bobtail		<i>Not Tested</i>
X	Shedding	n/n	Negative: Dog is unlikely to be a high shedding dog.

Genetic Marker Results						
Run Date: <i>Not Tested</i>						
-	-	-	-	-	-	-
AHT121	AHT137	AHT171	AHT260	AHTk211	AHTk253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

Additional Comments

A-Panel: At/At - Homozygous for black-and-tan.
E-Panel: EM/E-Dog has one copy of the melanistic mask allele and does not carry the recessive yellow allele.