

## Canine Genetic Testing Report



Submitted By
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United States

<b>Subject Dog</b> -----	Date Received: 6/23/2017
Dog Name: <b>Blue</b> Breed: <b>French Bulldog</b> Phenotype: <b>Blue</b>	Registration: Microchip: Sex: <b>Male</b> Birth: <b>03/08/2017</b>

<b>Sire</b>
Sire Name: Breed: Registration: Phenotype:

<b>Dam</b>
Dam Name: Breed: Registration: Phenotype:

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

Coat Type Testing		
Hair Length		<i>Not Tested</i>
Hair Curl		<i>Not Tested</i>
Furnishings		<i>Not Tested</i>
Bobtail		<i>Not Tested</i>
Shedding		<i>Not Tested</i>

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

Genetic Marker Results							Run Date: <i>Not Tested</i>
-	-	-	-	-	-	-	
AHT121	AHT137	AHT171	AHT260	AHT211	AHT253	C22-279	
-	-	-	-	-	-	-	
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055	
-	-	-	-	-			
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23			

**Additional Comments**

A-Panel: Ay/a-Dog is fawn and carries recessive black.  
E-Panel: E/E-Dog does not carry the recessive yellow or melanistic mask alleles.