

Canine Genetic Testing Report



Submitted By

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Subject Dog 00194047

Date Received: 6/24/2020

Dog Name: **Lily**
Breed: French Bulldog
Phenotype: Blue Pied Merle

Registration: NP53764001
Microchip:
Sex: Female

Birth: 01/30/2019

Sire

Sire Name: Andrie's Cooper
Breed: French Bulldog
Registration: NP45984201
Phenotype: Merle

Dam

Dam Name: Superior Bull Sarah
Breed: French Bulldog
Registration: NP49533502
Phenotype: Lilac

Coat Color Testing

X	A Locus-Ay	n/Ay	Dog has one copy of the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n	Negative for wild-sable.
X	A Locus-At	n/At	Dog has one copy 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	Cocoa	n/n	Negative: Dog does not carry the cocoa mutation.
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	S/S	Dog has two copies of the MITF variant associated with parti-color in some breeds.
	Harlequin		Not Tested
	Merle		Not Tested

Coat Type Testing

	Hair Length		Not Tested
	Hair Curl		Not Tested
	Furnishings		Not Tested
	Shedding		Not Tested

Genetic Disorders

	CDDY		Not Tested
	CDPA		Not Tested
X	CMR1	n/n	Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1.
	cord1-PRA		Not Tested
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 Cataracts mutation.

Genetic Marker Results

Run Date: Not Tested

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