

## Canine Genetic Testing Report



Submitted By  
Marvin S. Stoltzfus  
766 Maple Grove Rd  
New Holland, PA 17557

Date Received: 1/18/2022

**Subject Dog** 00333564

Dog Name: **Amelia's Spotted Female**  
Breed: French Bulldog  
Phenotype:

Registration:  
Microchip:  
Sex: Female Birth:

**Sire**

Sire Name: Isabella Fireball  
Breed: French Bulldog  
Registration: AKC  
Phenotype: Isabella

**Dam**

Dam Name: Amelia Von Bad Bull  
Breed: French Bulldog  
Registration: AKC  
Phenotype: Blue Merle

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 carries a copy of the allele responsible for brown color and can potentially pass on that allele 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 carries the allele responsible for the yellow coat color and could pass on either allele to any offspring.
X	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
X	Spotting	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
	Harlequin		Not Tested
	Merle		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 SOD1A 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.

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.
X	Shedding	n/n	Negative: Dog is unlikely to be a high shedding dog.

**Genetic Marker Results** Run Date: Not Tested

-	-	-	-	-	-	-
AHT121	AHT137	AHT171	AHT260	AHTk211	AHTk253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18i	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 one copy of the recessive yellow allele.