

Canine Genetic Testing Report



Submitted By
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Broward Frenchies, LLC

Subject Dog 00355257 **Date Received:** 3/21/2022

Dog Name: Girl 1 Pink **Registration:** NP729763
Breed: French Bulldog **Microchip:**
Phenotype: **Sex:** Female **Birth:** 02/24/2022

Sire
Sire Name: Junior Polar
Breed: French Bulldog
Registration: NP60279404
Phenotype: Platinum

Dam
Dam Name: Ella De La Vita
Breed: French Bulldog
Registration: NP61907707
Phenotype: Lilac Merle

Coat Color Testing			
<input checked="" type="checkbox"/>	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
<input checked="" type="checkbox"/>	A Locus-Aw	n/n	Negative for wild-sable.
<input checked="" type="checkbox"/>	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.
<input checked="" type="checkbox"/>	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.
<input checked="" type="checkbox"/>	B Locus	B/B	Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring
<input checked="" type="checkbox"/>	Cocoa	co/co	Cocoa: Dog has two copies of the cocoa mutation.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	E Locus- EM	n/EM	Dog has one copy of the allele for melanistic mask
<input checked="" type="checkbox"/>	E Locus- e	E/e	Dog carries the allele responsible for the yellow coat color and could pass on either allele to any offspring.
<input checked="" type="checkbox"/>	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
<input checked="" type="checkbox"/>	Spotting	N/S	Dog has one copy of the MITF variant associated with parti-color in some breeds.
	Harlequin		
<input checked="" type="checkbox"/>	Merle	n/M	Dog has one copy of the "M" merle allele and one negative "m" copy of merle allele. The dog can pass either allele on to any offspring.

Genetic Disorders			
	CDDY		
	CDPA		
<input checked="" type="checkbox"/>	CMR1	n/n	Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1.
	cord1-PRA		
<input checked="" type="checkbox"/>	DM	n/n	Clear: Dog is negative for the SOD1A Degenerative Myelopathy mutation.
<input checked="" type="checkbox"/>	HUU	n/n	Clear: Dog tested negative for the Hyperuricosuria.
<input checked="" type="checkbox"/>	JHC	n/n	Clear: Dog tested negative for the HSF-4 Hereditary Cataracts mutation.

Coat Type Testing			
<input checked="" type="checkbox"/>	Hair Length	L/L4	Short Hair: Dog has one copy of the L4 long hair allele.
<input checked="" type="checkbox"/>	Hair Curl	n/n	Non-Curly Coat: Dog does not carry the mutation for coat curl.
<input checked="" type="checkbox"/>	Furnishings	n/n	Dog is negative for the Furnishings mutation.
<input checked="" type="checkbox"/>	Shedding	n/n	Negative: Dog is unlikely to be a high shedding dog.

Genetic Marker Results							Run Date:
-	-	-	-	-	-	-	
AHT124	AHT197	AHT171	AHT260	AHT211	AHT253	CD2 279	
-	-	-	-	-	-	-	
LAN AMEL	FH2054	FH2048	INRA21	INU005	INU010	INU065	
-	-	-	-	-	-	-	
REN54P11	REN162M04	REN100E01	REN163D19	REN247M29			

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.