

Canine Genetic Testing Report



Submitted By

Geraldine Hernandez
Enchanted Frenchies
1635 Grant Ave
Franklinville, NJ 08322
United States

Subject Dog 00293437

Date Received: 9/3/2021

Dog Name: **Lilo**
Breed: **French Bulldog**
Phenotype: **Blue Brindle & Pied**

Registration: **NP64895302**
Microchip:
Sex: **Female** Birth: **06/10/2020**

Sire

Sire Name: **NEK K 12 Krymsko Go Legiona**
Breed: **French Bulldog**
Registration: **RKF5011490**
Phenotype:

Dam

Dam Name: **Quessa Bull Pakett**
Breed: **French Bulldog**
Registration: **RKF4574916**
Phenotype:

Coat Color Testing

<input checked="" type="checkbox"/>	A Locus-Ay	AY/AY	Dog has two copies of 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	n/n	Dog does not carry 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	n/n	Negative: Dog does not carry 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	EM/EM	Dog has two copies of allele for melanistic mask.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	Spotting	S/S	Dog has two copies 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>
<input checked="" type="checkbox"/>	CMR1	n/n	Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1.
	cord1-PRA		<i>Not Tested</i>
<input checked="" type="checkbox"/>	DM	n/n	Clear: Dog is negative for the 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.

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	REN169O18	REN247M23		

Additional Comments

A-Panel: Ay/Ay - Homozygous for fawn/ sable.
E-Panel: EM/EM-Dog has two copies of the melanistic mask allele and does not carry the recessive yellow allele.

Coat Type Testing

<input checked="" type="checkbox"/>	Hair Length	L/L	Short Hair: Dog does not have the long-hair allele.
<input checked="" type="checkbox"/>	Hair Curl	n/n	Non-Curlly 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.

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Franklinville, NJ 08322
United States

Subject Dog 00293438

Date Received: 9/3/2021

Dog Name: **Gus III**
Breed: **French Bulldog**
Phenotype:

Registration: **NP64113507**
Microchip:
Sex: **Male** Birth:

Sire

Sire Name: **CEC Bullies Acura of 908s**
Breed: **French Bulldog**
Registration: **NP53125304**
Phenotype: **Lilac & Tan**

Dam

Dam Name: **Southern Chic Peaches N Cream**
Breed: **French Bulldog**
Registration: **NP57221604**
Phenotype: **Cream**

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	n/co	Carrier: Dog has one copy 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/n	Dog does not carry allele for melanistic mask.
<input checked="" type="checkbox"/>	E Locus- e	e/e	The dog is yellow-based, and will always pass on a copy of the yellow 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/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
<input checked="" type="checkbox"/>	CMR1	n/n	Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1.
	cord1-PRA		Not Tested
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<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.

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<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: Not Tested

-	-	-	-	-	-	-
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-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

Additional Comments

A-Panel: At/At - Homozygous for black-and-tan.
E-Panel: e/e-Dog has two copies of the recessive yellow allele and will express the yellow phenotype. Dog does not carry the melanistic mask allele.