

Canine Genetic Testing Report



Submitted By

David Faccini

Subject Dog 00258969

Date Received: 5/6/2021

Dog Name: **Lune Bleu's Merle Male (Orange Collar)**

Breed: French Bulldog

Phenotype: Merle

Registration: NP657525

Microchip:

Sex: Male

Birth: 04/04/2021

Sire

Sire Name: Nyirsegi Rancos Kadi

Breed: French Bulldog

Registration: NP61403201

Phenotype: Merle

Dam

Dam Name: Lune Bleu

Breed: French Bulldog

Registration: NP55257601

Phenotype: Blue Fawn

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	n/At	Dog has one copy of the tan points/tricolor gene.
X	A Locus-a	n/a	Dog has one copy of 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/co	Carrier: Dog has one copy of 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	EM/EM	Dog has two copies of 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/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
X	Spotting	N/S	Dog has one copy 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
	CMR1	Not Tested
	cord1-PRA	Not Tested
	DM	Not Tested
	HUU	Not Tested
	JHC	Not Tested

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