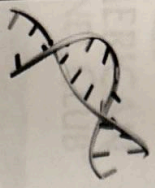
Generated On: **5/26/2021**

AnimalGenetics INCORPORATED
3382 Capital Circle NE
Tallahassee, FL 32308

Canine Genetic Testing Report



Submitted By
Kristen Blackwell Mokan French Bulldogs [redacted] United States

Date Received: 5/17/2021

Subject Dog 00261763

Dog Name: **Galileo**
Breed: French Bulldog
Phenotype: Lilac & Tan Merle

Registration:
Microchip:
Sex: Male
Birth: 05/02/2021

Sire

Sire Name: Twister
Breed: French Bulldog
Registration:
Phenotype: Blue & Tan Merle

Dam

Dam Name: Destiny
Breed: French Bulldog
Registration:
Phenotype: Lilac & Tan

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/n	Dog does not carry the tan points/tricolor gene.
X	A Locus-a	a/a	Dog has two copies of 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	co/co	Cocoa: Dog has two copies 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	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/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

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 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	- / AHTh171	- / AHTh260	- / AHTk211	- / AHTk253	- / C22-279
- / CAN-AMEL	- / FH2054	- / FH2848	- / INRA21	- / INU005	- / INU030	- / INU055
- / REN54P11	- / REN162C04	- / REN169D01	- / REN169O18	- / REN247M23		

Additional Comments

A-Panel: a/a - Homozygous for recessive black.
E-Panel: EM/E-Dog has one copy of the melanistic mask allele and does not carry the recessive yellow allele.

Toll Free: 866.922.6436 Phone: 850.386.2973 Fax: 850.386.1146 Web: www.animalgenetics.com