

Canine Genetic Testing Report



Submitted By
 [REDACTED]
 Hilltop Acre Frenchies
 [REDACTED]
 Fresno, OH 43824

Subject Dog 00215660 Date Received: 10/31/2020

Dog Name: **King Louie of Hilltop Acre Frenchies** Registration: [REDACTED]
 Breed: French Bulldog Microchip: [REDACTED]
 Phenotype: Lilac & Tan Sex: Male Birth: 10/04/2019

Sire

Sire Name: CEC Bullies Burger
 Breed: French Bulldog
 Registration:
 Phenotype: Lilac & Tan

Dam

Dam Name: High Roller's Nugget
 Breed: French Bulldog
 Registration:
 Phenotype:

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 does not carry the brown allele, and can never pass on the gene for brown 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 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 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	AHT211	AHT253	C22-279	
-	-	-	-	-	-	-	
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055	
-	-	-	-	-			
REN54P11	REN162C04	REN169D01	REN169O18	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.