Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

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Genetic Testing Report

LIAM

Subject Dog

Dog Name: **LIAM**
Breed: **French Bulldog**
Phenotype: **LILAC TAN**
Sex: **Male**
Birth: **May 9, 2023**

Lab Reference #: **870282**
Registration: **NP83715604**
Microchip: **3012**

Disorder Results (6 of 20)

CMR1	n/n	Clear: Dog is negative for the mutation associated with CMR1.
CY3- var. 2	n/CY	Dog has one copy of the variant linked to cystinuria in bulldogs.
CY3- var. 3	n/n	Dog is negative for variant somewhat linked to cystinuria in bulldogs.
DM	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
HUU	n/n	Clear: Dog is negative for the mutation associated with Hyperuricosuria.
JHC	n/n	Clear: Dog is negative for the mutation associated with Juvenile Hereditary Cataracts.

Color Results (8 of 20)

Albinism	n/n	Dog is negative for the allele causing albinism in some small breeds.
A-Locus	at/at	Dog has two copies of the gene causing tan points.
B-Locus	B/B	Dog does not carry the mutation for most forms of chocolate coloration.
Cocoa	co/co	Dog carries two copies of cocoa. Dog will have brown coat color.
D-Locus	d/d	Homozygous: Dog has two copies of the d1 mutation associated with a diluted coat color. The dog's base coat will be diluted.
E-Locus	EM/e	Dog carries one copy of cream/yellow and has one copy of mask.
I Locus	n/Int	Dog has one copy of the allele associated with lighter phaeomelanin pigment.
K-Locus	n/n	Dog is negative for the KB allele, and the coat coloration will be based on the agouti genotype.

Pattern Results (2 of 20)

Merle	n/n	Clear: Dog is negative for the mutation associated with merle.
S-Locus	n/n	Negative: Dog is negative for the S-Locus. No white spotting will be present.

Trait Results (4 of 20)

Curl 1&2	n/n	The dog is negative for the hair curl allele. The dog will have non-curly hair, and will always pass on the allele responsible for non-curly hair to any offspring
Furnishings	n/n	Non-Furnished: Dog is negative for the furnishings mutation.
Hair Length (1-5)	l^1/l^4	Two copies of the long-hair allele (l1 and l4), dog will have longer than average hair per the breed standard.
Shedding	n/n	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.

Toll Free: 800.514.9672 Phone: 850.386.1145 Web: https://localhost:8080/AnimalGenetics