



Animal Genetics

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Genetic Testing Report

R&W's Sheila

Submitted By

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USA

Owned By

Wayne Keim

Subject Dog

Dog Name: **R&W's Sheila**Lab Reference #: **896913**Breed: **French Bulldog**

Phenotype:

Sex: **Female**

Birth:

Disorder Results (6 of 19)

CMR1	n/n	Clear: Dog is negative for the mutation associated with CMR1.
CY3- var. 2	n/n	Dog is negative for 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/DM	Heterozygous: Dog carries one copy of the mutation associated with Degenerative Myelopathy. In some breeds, there is a low risk of the dog developing the disorder.
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 19)

Albinism	n/n	Dog is negative for the allele causing albinism in some small breeds.
A-Locus	AY/AY	Dog is homozygous for fawn/sable.
B-Locus	B/B	Dog does not carry the mutation for most forms of chocolate coloration.
Cocoa	n/n	Dog is negative for the mutation associated with chocolate in French Bulldogs.
D-Locus	D/d	Heterozygous: Dog carries one copy of the d1 mutation associated with a diluted coat color and may pass the mutation to offspring.
E-Locus (E, EM, eA, eW, e)	e/e	Dog has two copies of cream/yellow.
I Locus	Int/Int	Dog has two copies the allele associated with lighter phaeomelanin pigment.
K-Locus	n/KB	Both the KB and negative alleles detected; dog can be brindled or express only the base coat.

Pattern Results (1 of 19)

S-Locus	n/S	Heterozygous: Dog has one copy of S-Locus. Results vary according to breed, with some limited white spotting in some breeds.
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Trait Results (4 of 19)

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/L	Negative for long coat allele.
Shedding	n/n	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.

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