Animal Genetics

Generated on: 10/22/2026

3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

Nigel Sterling

Submitted By

Jonas Stoltzfus

238 Cut Road
Kinzers, PA 17535
USA

Owned By

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238 Cut Road
Kinzers, PA 17535
USA

Subject Dog

Name: Nigel Sterling
Breed: English Bulldog
Phenotype: Blue
Sex: Male
Birth: 10/11/2023

Lab Reference #: 959393
Sample Date: 01/23/2026
Research Date: 01/23/2026

Disorder Results(5 of 17)

CMR1	**n/n**	Clear: Dog is negative for the mutation associated with CMR1.
CY3- var. 2	**CY/CY**	Dog has two copies of the variant linked to cystinuria in bulldogs, and may be affected based on gender and additional factors.
CY3- var. 3	**CY/CY**	Dog has two copies of the 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/HUU**	Carrier: Dog has one copy of the Hyperuricosuria mutation. The dog is not affected by HUU but may pass the gene to offspring.

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Color Results(6 of 17)		
A-Locus	**at/at**	Dog has two copies of the gene causing tan points.
Albinism	**n/n**	Dog is negative for the allele causing albinism in some small breeds.
B-Locus	**B/B**	Dog does not carry the mutation for most forms of chocolate coloration.
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 (E, EM, eA, eW, e)	**E/E**	Dog is negative for cream/yellow, mask, and ancient red.
K-Locus	**n/KB**	Both the KB and negative alleles detected; dog can be brindled or express only the base coat.
Pattern Results(2 of 17)		
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 17)		
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.