

3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

Hershey

Submitted By	Owned By
Jonas Stoltzfus 238 Cut Road Kinzers, PA 17535 USA	Jonas Stoltzfus 238 Cut Road Kinzers, PA 17535 USA

Subject Dog	Lab Reference #:
Name: Hershey Breed: English Bulldog Phenotype: Chocolate Sex: Male Birth: 11/04/2023	851571 Sample Date: 10/17/2024 Research Date: 10/17/2024

Disorder Results(5 of 16)		
CMR1	n/CMR1	Carrier: Dog has one copy of the Canine Multifocal Retinopathy Type 1 mutation. The dog is not affected by CMR1 but may pass the mutation to offspring.
CY3- var. 2	n/n	Dog is negative for the variant linked to cystinuria in bulldogs.
CY3- var. 3	n/CY	Dog has one copy of the 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.

Color Results(6 of 16)		
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 has two copies of the brown/chocolate gene.
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	EM/E	Dog is negative for cream/yellow and has one copy of mask.
K-Locus	n/n	Dog is negative for the KB allele, and the coat coloration will be based on the agouti genotype.

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Pattern Results(1 of 16)

S-Locus	n/n	Negative: Dog is negative for the S-Locus. No white spotting will be present.
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Trait Results(4 of 16)

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.