Animal Genetics

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Genetic Testing Report

Winnie

Submitted By

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450 Reservoir Rd.
Honey Brook , PA 19344
USA

Owned By

Joshua Zook

Subject Dog

Dog Name: **Winnie**
Breed: **Chihuahua**
Phenotype: Blue Merle
Sex: **Female**
Birth: **Apr 20, 2022**

Lab Reference #: **812408**

Sire

Sire: Red
Breed: Chihuahua
Phenotype: Red. gray

Dam

Dam: Zelda
Breed: Chihuahua
Phenotype: Black and Tan

Disorder Results (4 of 15)

cord1	n/n	Clear: Dog is negative for the mutation associated with cord1-PRA.
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.
PRA-prcd	n/n	Negative: Dog is negative for the mutation associated with prcd-PRA.

Color Results (5 of 15)

A-Locus	at/a	Dog has tan points and carries recessive black.
B-Locus	B/b	Dog carries one copy of the gene responsible for chocolate/brown coloration
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/E	Dog is negative for cream/yellow and negative for mask.
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 15)

Merle	n/M	Heterozygous: Dog has one copy of the merle allele
S-Locus	n/n	Negative: Dog is negative for the S-Locus. No white spotting will be present.

Trait Results (4 of 15)

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^1	Dog carries one copy of the long hair allele.
Shedding	n/SD	Dog carries one copy of the shedding allele. The dog will have an average propensity towards shedding.