Animal Genetics

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Genetic Testing Report

Elsa

Submitted By

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450 Reservoir Rd.
Honey Brook , PA 19344
USA

Owned By

Joshua Zook

Subject Dog

Dog Name: **Elsa**
Breed: **Dachshund**
Phenotype: **Blue Merle**
Sex: **Female**
Birth: **Feb 21, 2023**

Lab Reference #: **812405**

Disorder Results (3 of 14)

cord1	n/P	Carrier: Dog carries one copy of the mutation associated with cord1-PRA. Dog will not be affected by cord1-PRA but may pass the mutation to offspring.
DM	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
OI	n/n	Clear: Dog is negative for mutation associated with OI.

Color Results (5 of 14)

A-Locus	at/at	Dog has two copies of the gene causing tan points.
B-Locus	B/b	Dog carries one copy of the gene responsible for chocolate/brown coloration
D-Locus	D/D	Negative: Dog is negative for the mutation associated with a diluted coat color.
E-Locus	E/e	Dog carries one copy of cream/yellow and is 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 14)

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 14)

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/I[1]	Dog carries one copy of the long hair allele.
Shedding	n/n	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.