Animal Genetics

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Tallahassee, FL 32308

Generated on: 05/04/26

Genetic Testing Report

Hazel

Submitted By

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Bluebird Meadow Puppies

Subject Dog

Dog Name: **Hazel**
Breed: **Golden Retriever**
Phenotype: **Cream**
Sex: **Female**
Birth: **Jun 5, 2021**

Lab Reference #: **974526**
Registration: **SS27737002**
Microchip: **95600014054282**

Disorder Results (8 of 18)

DM	**n/n**	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
GPRA1	**n/n**	Clear: Dog is negative for the mutation associated with GR-PRA1.
GPRA2	**n/n**	Clear: Dog is negative for the mutation associated with GR-PRA2.
Ich (GR)	**n/n**	Clear: Dog is negative for the mutation associated with Ichthyosis.
Ich-2	**n/n**	Dog is clear of the mutation associated with Ichthyosis 2.
GRMD	**n/n**	Clear: Dog is negative for the mutation associated with Muscular Dystrophy.
NCL-GR	**n/n**	Clear: Dog is negative for mutation associated with NCL-GR.
PRA-prcd	**n/n**	Negative: Dog is negative for the mutation associated with prcd-PRA.

Color Results (5 of 18)

A-Locus	**at/at**	Dog has two copies of the gene causing tan points.
B-Locus	**B/B**	Dog does not carry the mutation for most forms of chocolate coloration.
D-Locus	**D/D**	Negative: Dog is negative for the mutation associated with a diluted coat color.
E-Locus (E, EM, eA, eW, e)	**e/e**	Dog has two copies of cream/yellow.
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 18)

S-Locus	**n/n**	Negative: Dog is negative for the S-Locus. No white spotting will be present.

Trait Results (4 of 18)

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)	**I^1/I^1**	Two copies of the long-hair allele, dog will have longer than average hair per the breed standard.
Shedding	**SD/SD**	Dog has two copies of the shedding allele. The dog will have a higher propensity towards shedding.