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Genetic Testing Report

Bertha

Submitted By

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Owned By

Joseph Zook

Subject Dog

Dog Name: **Bertha**
Breed: **Bernedoodle**
Phenotype: **B W**
Sex: **Female**
Birth: **Feb 11, 2020**

Lab Reference #: **790480**

Disorder Results (5 of 16)

DM-B	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy-b.
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
NEwS	n/n	Clear: Dog is negative for mutation associated with NEwS.
PRA-prcd	n/n	Negative: Dog is negative for the mutation associated with prcd-PRA.
vWD1	n/n	Clear: Dog is negative for the mutation associated with von Willebrand's Disease Type I.

Color Results (5 of 16)

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	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.

Pattern Results (2 of 16)

Merle	n/n	Clear: Dog is negative for the mutation associated with merle.
S-Locus	n/S	Heterozygous: Dog has one copy of S-Locus. Results vary according to breed, with some limited white spotting in some breeds.

Trait Results (4 of 16)

Curl 1&2	n/C ¹	The dog will have curly hair, and carries the gene responsible for non-curly hair. The dog can pass on a copy of either allele to any offspring.
Furnishings	n/F	Furnished: Dog has one copy of the furnishings mutation and will be visibly furnished. The furnishings mutation may be passed to offspring.
Hair Length (1-5)	l ¹ /l ¹	Two copies of the long-hair allele, dog will have longer than average hair per the breed standard.
Shedding	n/SD	Dog carries one copy of the shedding allele. The dog will have an average propensity towards shedding.