Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

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Genetic Testing Report

Glory

Submitted By

Elmer Smucker
Greenbrier Homestead

Subject Dog

Dog Name: **Glory**
Breed: **Bernedoodle**
Phenotype:
Sex: **Unknown**
Birth:

Lab Reference #: **959600**

Disorder Results (7 of 18)

CDPA	**N/N**	Clear: Dog is negative for the CDPA mutation.
CDDY	**N/N**	Clear: Dog is negative for the mutation associated with CDDY.
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 (6 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 is negative for cream/yellow, mask, and ancient red.
I Locus	**n/Int**	Dog has one copy of the allele associated with lighter phaeomelanin pigment.
K-Locus	**n/n**	Dog is negative for the KB allele, and the coat coloration will be based on the agouti genotype.

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/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	**F/F**	Furnished: Dog has two copies of the furnishings mutation and will always produce offspring with a furnished coat.
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	**n/SD**	Dog carries one copy of the shedding allele. The dog will have an average propensity towards shedding.