Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report
Down Home's Paton

Submitted By

Owned By

Subject Dog

Name: Down Home's Paton
Breed: Miniature Bernedoodle
Phenotype: Merle Tri
Sex: Female
Birth: 06/29/2025

Lab Reference #: 944671
Sample Date: 11/10/2025
Research Date: 11/10/2025
Microchip: 900263000481471

Disorder Results

CDDY	**N/N**	Clear: Dog is negative for the mutation associated with CDDY.
CDPA	**N/N**	Clear: Dog is negative for the CDPA mutation.
DM	**n/n**	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
DM-B	**n/n**	Clear: Dog is negative for mutation associated with Degenerative Myelopathy-b.
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.

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Color Results		
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, EM, eA, eW, e)	**E/e**	Dog carries one copy of cream/yellow and is negative for ancient red and mask.
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		
Merle	**n/M**	Heterozygous: Dog has one copy of the merle allele
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		
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	**SD/SD**	Dog has two copies of the shedding allele. The dog will have a higher propensity towards shedding.