Animal Genetics

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Generated on: 04/17/24

Genetic Testing Report

Posey XXX

Submitted By

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Subject Dog

Dog Name: **Posey XXX**
Breed: **Miniature Bernedoodle**
Phenotype: **Blue Merle-Tri**
Sex: **Female**
Birth: **Jul 13, 2023**

Lab Reference #: **811415**
Microchip: **5304**

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/n**	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
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 18)

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 18)

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 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	**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)	**I^1/I^1**	Two copies of the long-hair allele, dog will have longer than average hair per the breed standard.
Shedding	**n/n**	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.