Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

Generated on: 10/10/22

Genetic Testing Report

Alice

Submitted By

Karla Schwarz

Subject Dog

Dog Name: **Alice**
Breed: **Bernedoodle**
Phenotype:
Sex: **Female**
Birth: **Jun 25, 2022**

Lab Reference #: **610114**
Microchip: **991003001652158**

Sire

Sire: Princeton
Breed: Miniature Poodle
Phenotype: parti chocolate & white

Dam

Dam: Bernie
Breed: Bernese Mountain Dog
Phenotype: tri color

Disorder Results (4 of 14)

DM-b	n/n	Dog is negative for both mutations associated with Degenerative Myelopathy in Bernese Mountain Dogs.
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 14)

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/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 (1 of 14)

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 14)

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/F2	Furnished: Dog has one copy of the F2 mutation, the dog may display furnishings to a lesser degree. Dog can pass on a copy of either allele to any 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/SD	Dog carries one copy of the shedding allele. The dog will have an average propensity towards shedding.

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Tallahassee, FL 32308

Generated On: 12/22/2021

Canine Genetic Testing Report

Submitted By

Matthew Yoder
Happy Tail Pets, LLC
4460 Township Rd 617
Millersburg, OH 44654

Subject Dog 00322565

Date Received: 12/10/2021

Dog Name: **Green Brier Princeton**
Breed: Miniature Poodle
Phenotype: Black & White Tri

Registration: PR23827204
Microchip:
Sex: Male
Birth: 02/27/2021

Sire

Sire Name: Bomber
Breed: Miniature Poodle
Registration:
Phenotype:

Dam

Dam Name: Brook
Breed: Miniature Poodle
Registration:
Phenotype:

Coat Color Testing

X	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n	Negative for wild-sable.
X	A Locus-At	n/At	Dog has one copy of the tan points/tricolor gene.
X	A Locus-a	n/a	Dog has one copy of the gene responsible for recessive black coat color.
X	B Locus	B/B	Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring
	Cocoa		Not Tested
X	D Locus	D/D	Dog is negative for the dilution gene.
X	E Locus- EM	n/EM	Dog has one copy of the allele for melanistic mask.
X	E Locus- e	E/e	Dog carries the allele responsible for the yellow coat color and could pass on either allele to any offspring.
X	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
X	Spotting	S/S	Dog has two copies of the MITF variant associated with parti-color in some breeds.
	Harlequin		Not Tested
	Merle		Not Tested

Coat Type Testing

X	Hair Length	I/I	Long Hair: Dog has two copies of the long hair allele.
X	Hair Curl	C/C	Curly Coat: Dog has two copies of the coat curl mutation, and will always pass it on to any offspring.
X	Furnishings	F/F2	Dog has 1 copy of the furnishings allele, and one copy of the F2 furnishings allele.
X	Shedding	n/n	Negative: Dog is unlikely to be a high shedding dog.

Genetic Disorders

X	CDDY	N/N	Dog is negative for the CDDY mutation.
X	CDPA	N/N	Dog is negative for the CDPA mutation.
X	DM	n/n	Clear: Dog is negative for the SOD1A Degenerative Myelopathy mutation.
X	NEwS	n/n	Clear: Dog tested negative for the NEwS mutation.
X	prcd-PRA	n/n	Clear: Dog is negative for the causal prcd-PRA c.5G>A mutation.
X	vWD1	n/n	Clear: Dog tested negative for the von Willebrand's Type I mutation.

Genetic Marker Results Run Date: Not Tested

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AHT121	AHT137	AHTh171	AHTh260	AHTk211	AHTk253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

Additional Comments

A-Panel: At/a - Dog is black-and-tan and carries recessive black.
E-Panel: EM/e-Dog has one copy of the melanistic mask allele and one copy of the recessive yellow allele.

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