AnimalGenetics
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Tallahassee, FL 32308

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Canine Genetic Testing Report

Submitted By

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373 S 400 W
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United States

Subject Dog 00233658

Date Received: 1/29/2021

Dog Name: **Mickey "Rizzo"**
Breed: Bernedoodle
Phenotype:

Registration:
Microchip: 4043
Sex:
Birth:

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
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	At/At	Dog has two copies of the tan points/tricolor gene.
X	A Locus-a	n/n	Dog does not carry 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
X	Cocoa	n/n	Negative: Dog does not carry the cocoa mutation.
X	D Locus	D/D	Dog is negative for the dilution gene.
X	E Locus- EM	n/n	Dog does not carry 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	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
X	Harlequin	n/n	Negative: Dog does not carry the Harlequin gene.
	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/F	Dog has 2 copies of the Furnishings mutation, and will always produce offspring with Furnishings
X	Shedding	n/SD	Moderate: Dog has one copy of the shedding allele, and is likely to be a moderate shedder.

Genetic Disorders

X	CDPA	N/N	Dog is negative for the CDPA mutation.
X	CDDY	N/C	Dog has 1 copy of CDDY. Dog is at higher risk for IVDD.
X	DM	n/DM	Carrier: Dog carries one copy of the mutation associated with SOD1A Degenerative Myelopathy, and could pass on the mutation to any offspring.
X	NEwS	n/n	Clear: Dog tested negative for the NEwS mutation.
X	prcd-PRA	n/P	Carrier: Dog has one copy of the causal prcd-PRA c.5G>A mutation, and may pass on a copy of the mutation to any offspring.
X	vWD1	n/n	Clear: Dog tested negative for the von Willebrand's Type I mutation.

Genetic Marker Results

Run Date: *Not Tested*

- / - 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/At - Homozygous for black-and-tan.
E-Panel: E/e-Dog has one copy of the recessive yellow allele and
carry the melanistic mask allele.