AnimalGenetics INCORPORATED
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Canine Genetic Testing Report

Submitted By

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Goldendoodles Forever
14987 Budd Rd
Dubuque, IA 52002

Subject Dog

00135275

Date Received: 10/13/2018

Dog Name: **Murdok**
Breed: Goldendoodle
Phenotype: Phantom Black/Tan Brown
Registration:
Microchip:
Sex: Male
Birth: 08/09/2018

Sire

Sire Name: Sire
Breed: Goldendoodle
Registration: TLM04884294
Phenotype: Cream Gold

Dam

Dam Name: Chin
Breed: Goldendoodle
Registration:
Phenotype: Black Silver Phantom

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
	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	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
	Harlequin		*Not Tested*
	Merle		*Not Tested*

Coat Type Testing

X	Hair Length	l/l	Long Hair: Dog has two copies of the long hair allele.
X	Hair Curl	n/C	Curly Coat: Dog has one copy of the coat curl mutation, and could pass it on to any offspring.
X	Furnishings	n/F	Dog has 1 copy of the Furnishings mutation, and has a 50% chance of passing on the Furnishings allele to any offspring.
X	Shedding	SD/SD	High: Dog has two copies of the shedding allele, and is more likely to be a high shedder.

Genetic Disorders

X	CDDY	N/C	Dog has 1 copy of CDDY. Dog is at higher risk for IVDD.
X	CDPA	N/N	Dog is negative for the CDPA mutation.
X	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	GR-PRA1	n/n	Clear: Dog tested negative for the GR-PRA1 mutation.
X	GR-PRA2	n/n	Clear: Dog tested negative for the GR-PRA2 mutation.
X	Ich	n/Ich	Carrier: Dog has one copy of the Ichthyosis mutation and may pass it on to any offspring.
X	MD	n/n	Clear: Dog tested negative for the Muscular Dystrophy mutation.
X	NEwS	n/n	Clear: Dog tested negative for the NEwS mutation.
X	prcd-PRA	n/n	Clear: Analysis indicates dog is negative/clear for the prcd-PRA mutation.
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: EM/e-Dog has one copy of the melanistic mask allele and one copy of the recessive yellow allele.