Animal Genetics INCORPORATED
3382 Capital Circle NE
Tallahassee, FL 32308

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Canine Genetic Testing Report

Submitted By
Puppy Lodge
,

Subject Dog 00188349

Date Received: 5/11/2020

Dog Name: **Ellie**
Breed: Toy Poodle
Phenotype: Tri Phantom
Registration: PR22604001
Microchip:
Sex: Female
Birth: 02/24/2020

Sire

Sire Name: Milestone's Ziggy
Breed: Poodle
Registration: PR22583201
Phenotype: Tri

Dam

Dam Name: Pear Lanes Ellie
Breed: Poodle
Registration: PR21580204
Phenotype: Tri

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 carries a copy of the allele responsible for brown color and can potentially pass on that allele to future offspring.
	Cocoa		*Not Tested*
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	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/F	Dog has 2 copies of the Furnishings mutation, and will always produce offspring with Furnishings
X	Shedding	n/n	Negative: Dog is unlikely to be a high shedding dog.

Genetic Disorders

X	CDDY	C/C	Dog is homozygous for the 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 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*

-	-	-	-	-	-	-
AHT121	AHT137	AHTh171	AHTh260	AHTk211	AHTk253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18i	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 does not carry the melanistic mask allele.