

Canine Genetic Testing Report

Submitted By

Puppy Lodge



Subject Dog 00330452 Date Received: 1/8/2022

Dog Name: **Sapphire** Registration:
 Breed: **Miniature Poodle** Microchip: 991003001244160
 Phenotype: **Cream** Sex: **Female** Birth: 11/24/2021

Sire	Dam
Sire Name: Breed: Registration: Phenotype:	Dam Name: Saucer 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
	Cocoa		<i>Not Tested</i>
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	The dog is yellow-based, and will always pass on a copy of the yellow 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/S	Dog has one copy of the MTF variant associated with parti-color in some breeds.
	Harlequin		<i>Not Tested</i>
X	Merle	n/M	Dog has one copy of the "M" merle allele and one negative "m" copy of merle allele. The dog can pass either allele on to any offspring.

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.

Coat Type Testing			
X	Hair Length	I/I	Long Hair: Dog has two copies of the long hair allele.
X	Hair Curl	C/C2	Curly Coat: Dog has copy of each of the mutations responsible for curly coat.
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 Marker Results							Run Date: <i>Not Tested</i>
-	-	-	-	-	-	-	
AHT121	AHT137	AHT171	AHT260	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 two copies of the recessive yellow allele and will express the yellow phenotype. Dog does not carry the melanistic mask allele.