Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

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Genetic Testing Report

Marlie I

Submitted By

Puppy Lodge

Subject Dog

Dog Name: **Marlie I**
Breed: **Bichon Frise**
Phenotype: **white**
Sex: **Female**
Birth: **Jun 13, 2020**

Lab Reference #: **816608**
Microchip: **900113002487184**

Disorder Results (1 of 12)

DM	**n/n**	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.

Color Results (6 of 12)

Albinism	**n/n**	Dog is negative for the allele causing albinism in some small breeds.
A-Locus	**AY/AY**	Dog is homozygous for fawn/sable.
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 has two copies of cream/yellow.
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 12)

S-Locus	**S/S**	Homozygous: Dog has two copies of S-Locus resulting in a nearly solid white, parti, or piebald coat color.

Trait Results (4 of 12)

Curl 1&2	**C^1/C^1**	The dog has two copies of the hair curl allele. The dog will have curly hair, and will always pass on a copy of the hair curl allele to any offspring. All offspring of this dog will have curly hair.
Furnishings	**F/F**	Furnished: Dog has two copies of the furnishings mutation and will always produce offspring with a furnished coat.
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/n**	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.