

Submitted By

Alex Pruett

Subject Dog

Dog Name: **Mira**
 Breed: **Border Collie**
 Phenotype: **black and white**
 Sex: **Female**
 Birth: **Mar 5, 2023**

Lab Reference #: **741363**
 Registration: **DN74818201**
 Microchip: **956000015148676**

Disorder Results (8 of 19)

CEA	n/n	Negative: Dog is negative for the mutation associated with Collie Eye Anomaly.
DH	n/n	Clear: Dog is negative for the mutation associated with Dental Hypomineralization.
GLAU	G/n	At Risk: Dog carries one copy of the OLFML3 mutation and is at a slight risk of developing Glaucoma. The dog may pass the mutation to offspring.
IGS-1 (Border Collie type)	n/n	Clear: Dog is negative for the mutation associated with IGS.
MDR1	n/n	Clear: Dog is negative for the mutation associated with MDR1.
NCL 5	n/n	Clear: Dog is negative for mutation associated with NCL-5.
SN	n/n	Clear: Dog is negative for the mutation associated with Sensory Neuropathy.
TNS	n/n	Clear: Dog is negative for the mutation associated with Trapped Neutrophil Syndrome.

Color Results (5 of 19)

A-Locus	at/at	Dog has two copies of the gene causing tan points.
B-Locus	B/b	Dog carries one copy of the gene responsible for chocolate/brown coloration
D-Locus	D/d	Heterozygous: Dog carries one copy of the d1 mutation associated with a diluted coat color and may pass the mutation to offspring.
E-Locus	E/E	Dog is negative for cream/yellow and negative for mask.
K-Locus	K ^B /K ^B	Dog has two copies of the KB allele, and will not express the agouti phenotype.

Pattern Results (2 of 19)

Merle	n/n	Clear: Dog is negative for the mutation associated with merle.
S-Locus	n/n	Negative: Dog is negative for the S-Locus. No white spotting will be present.

Trait Results (4 of 19)

Curl 1&2	n/n	The dog is negative for the hair curl allele. The dog will have non-curly hair, and will always pass on the allele responsible for non-curly hair to any offspring
Furnishings	n/n	Non-Furnished: Dog is negative for the furnishings mutation.
Hair Length (1-5)	l ¹ /l ¹	Two copies of the long-hair allele, dog will have longer than average hair per the breed standard.
Shedding	SD/SD	Dog has two copies of the shedding allele. The dog will have a higher propensity towards shedding.