

Submitted By

Alex Pruett

Subject Dog

Dog Name: **Kelly**
 Breed: **Border Collie**
 Phenotype:
 Sex: **Female**
 Birth: **Nov 5, 2017**

Lab Reference #: **558082**
 Registration: **DN52289002**
 Microchip: **985113001451093**

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 does not carry the mutation for most forms of chocolate 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/M	Heterozygous: Dog has one copy of the merle allele
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)	l¹/l¹	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.