



Micah Halpern, PhD
Principal Scientist

Mary Simonson
Laboratory Manager

CERTIFICATE OF RESULTS FOR SAMPLE ID #:

495945

OWNER'S NAME: REGINA CURLEY
PET'S NAME*: MMC KIERA
PET'S REGISTRATION #: MMC024F0010G3
PET'S BREED: COLORADO MOUNTAIN DOG
DATE TESTED: 2/10/2025

TEST	RESULT**	TEST RESULT EXPLANATION***
Canine Multifocal Retinopathy 1 (CMR1)	B	(CARRIER/NOT AFFECTED): These dogs have one copy of the normal gene and one copy of the mutation associated with this disease. They will not develop canine multifocal retinopathy.
D Locus (D LOCUS)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will have an undiluted coat.
Degenerative Myelopathy (DM)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop degenerative myelopathy.
E Locus (E LOCUS)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will have a black-based coat.
K-KB Locus (K-KB LOCUS)	B	(CARRIER/AFFECTED): These dogs have one copy of the normal gene and one copy of the mutation and will likely have a black-based coat dependent on additional coat color mutations.

*GenSol warrants its test results to be accurate for the sample obtained from the above pet. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GENSOL BE LIABLE FOR INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. Any claim must be asserted within one year of the report of test results.

**All samples submitted to GenSol become the property of GenSol and may be used for internal quality control and/or research purposes. Test results provide information concerning a pet's DNA sequence and are not an indication or guarantee of pet's disease state or condition. Test results alone should not be used to diagnosis, treat or prevent disease.

***For detailed result explanation visit www.gensoldx.com. Please consult a licensed veterinarian to discuss the implications.

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1-844-369-3686 - info@Gensoldx.com - www.gensoldx.com

FAST - ACCURATE - AFFORDABLE



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A-AY Locus (A-AY LOCUS)	C	(AT RISK/AFFECTED): These dogs have two copies of the mutation and will develop a sable/fawn coat color due to the A-AY mutation and will pass this mutation to 100% of their offspring. However, this dog's coat color is also dependent on the E, K, and B Locus genes.
A-AT Locus (A-AT LOCUS)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and the effect of A Locus on their coat color can be determined by testing the A-A Locus. They will also not pass this mutation to any of their offspring.
S Locus (S LOCUS)	B	(CARRIER/AFFECTED): These dogs have one copy of the normal gene and one copy of the mutation associated with white coat color. They will have limited white spotting, flash, parti, or piebald coat color.
B Locus (B LOCUS)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will have a black-based coat, black nose and black footpads.

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A-AW LOCUS (A-AW LOCUS)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and the effect of A Locus on their coat color can be determined by testing the A-AY, A-AT, and A loci. They will also not pass this mutation to any of their offspring.
I LOCUS (I-LOCUS)	C	(AT RISK/AFFECTED): These dogs have two copies of the mutation associated with this coat type and will have a pure white or cream color coat.

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