

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

AMBER ROSE
registered name

BERNESE MOUNTAIN DOG
breed

film/test/lab #

991003001237688
tattoo/microchip/DNA profile

2642027
application number

07/17/2025
date of report

RESULTS:

Based upon the exam dated 05/09/2025, this dog has been found to be free of observable inherited eye disease and has been issued an Eye Certification Registry Number which is valid for one year from the time of the exam.

WS70215703
registration no.

F
sex

09/22/2020
date of birth

55
age at evaluation in months



A Not-For-Profit Organization



BMD-EYE4982/55F-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

NORMAL

owner
WAYNE MILLER
NAOMI MILLER
3750 TR 124
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

www.ofa.org

This electronic OFA certificate was generated on: 07/17/2025

This certification can be verified on the OFA website by entering the dog's registration number into the orange search box located at the top of the page or by scanning the QR code above.

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

Orthopedic Foundation for Animals, Inc.
2300 E. Nifong Blvd.
Columbia, MO 65201-3806

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073



"ROSE"

PINECREEK AMBER ROSE



DNA Test Report

Test Date: April 10th, 2023

embk.me/pinecreekamberrose

BREED ANCESTRY

 Bernese Mountain Dog : 100.0%

GENETIC STATS

Predicted adult weight: **90 lbs**

Life stage: **Mature adult**

Based on your dog's date of birth provided.

TEST DETAILS

Kit number: EM-21728644

Swab number: 31220411600232



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BREED-RELEVANT RESULTS

Research studies indicate that these results are more relevant to dogs like Rose, and may influence her chances of developing certain health conditions.

 Degenerative Myelopathy, DM (SOD1A)	Notable
 Von Willebrand Disease Type I, Type I vWD (VWF)	Clear

Registration: American Kennel Club (AKC)





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HEALTH REPORT

⊖ Notable result

Degenerative Myelopathy, DM

Pinecreek Amber Rose inherited one copy of the variant we tested for Degenerative Myelopathy, DM

What does this result mean?

This variant should not impact Rose's health. This variant is inherited in an autosomal recessive manner, meaning that a dog needs two copies of the variant to show signs of this condition. Rose is unlikely to develop this condition due to this variant because she only has one copy of the variant.

Impact on Breeding

Your dog carries this variant and will pass it on to ~50% of her offspring. You can email breeders@embarkvet.com to discuss with a genetic counselor how the genotype results should be applied to a breeding program.

What is Degenerative Myelopathy, DM?

The dog equivalent of Amyotrophic Lateral Sclerosis, or Lou Gehrig's disease, DM is a progressive degenerative disorder of the spinal cord. Because the nerves that control the hind limbs are the first to degenerate, the most common clinical signs are back muscle wasting and gait abnormalities.

When signs & symptoms develop in affected dogs

Affected dogs do not usually show signs of DM until they are at least 8 years old.

How vets diagnose this condition

Definitive diagnosis requires microscopic analysis of the spinal cord after death. However, veterinarians use clues such as genetic testing, breed, age, and other diagnostics to determine if DM is the most likely cause of your dog's clinical signs.

How this condition is treated

As dogs are seniors at the time of onset, the treatment for DM is aimed towards increasing their comfort through a combination of lifestyle changes, medication, and physical therapy.

Actions to take if your dog is affected

- Giving your dog the best quality of life for as long as possible is all you can do after receiving this diagnosis.



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INBREEDING AND DIVERSITY

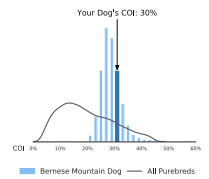
CATEGORY

RESULT

Coefficient Of Inbreeding

Our genetic COI measures the proportion of your dog's genome where the genes on the mother's side are identical by descent to those on the father's side.

30%

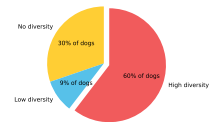


MHC Class II - DLA DRB1

A Dog Leukocyte Antigen (DLA) gene, DRB1 encodes a major histocompatibility complex (MHC) protein involved in the immune response. Some studies have shown associations between certain DRB1 haplotypes and autoimmune diseases such as Addison's disease (hypoadrenocorticism) in certain dog breeds, but these findings have yet to be scientifically validated.

High Diversity

How common is this amount of diversity in purebreds:



MHC Class II - DLA DQA1 and DQB1

DQA1 and DQB1 are two tightly linked DLA genes that code for MHC proteins involved in the immune response. A number of studies have shown correlations of DQA-DQB1 haplotypes and certain autoimmune diseases; however, these have not yet been scientifically validated.

High Diversity

How common is this amount of diversity in purebreds:

