

## ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

BLESSING VALLEYS AMBER  
*registered name*

BERNESE MOUNTAIN DOG  
*breed*

*film/test/lab #*

956000014159038  
*tattoo/microchip/DNA profile*

2530160  
*application number*

05/15/2026  
*date of report*

**RESULTS:**

Normal cardiovascular examination via auscultation - No evidence of congenital or acquired heart disease was noted. Since acquired heart disease may develop later, these evaluation results remain valid for one year, and annual examinations are recommended to continue to monitor cardiac health.

WS75325309  
*registration no.*

F  
*sex*

12/19/2021  
*date of birth*

52  
*age at evaluation in months*



A Not-For-Profit Organization

BMD-BCA1980/52F/C-VPI  
*O.F.A. NUMBER*

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

NORMAL/CLEAR - CARDIOLOGIST

*owner*  
ALLEN YODER  
3518 CR 168  
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

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

[www.ofa.org](http://www.ofa.org)

This electronic OFA certificate was generated on: 05/15/2026

This certification can be verified on the OFA website by entering the animal'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](mailto: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](http://www.ofa.org)  
E-mail address: [ofa@ofa.org](mailto:ofa@ofa.org)  
Phone number: 573-442-0418  
Fax number: 573-875-5073

**ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.**

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*registered name*

**BERNESE MOUNTAIN DOG**  
*breed*

*film/test/lab #*

**956000014159038**  
*tattoo/microchip/DNA profile*

**2530160**  
*application number*

**05/20/2025**  
*date of report*

**RESULTS:**

Based upon the exam dated 05/09/2025, this animal 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.

**WS75325309**  
*registration no.*

**F**  
*sex*

**12/19/2021**  
*date of birth*

**40**  
*age at evaluation in months*



A Not-For-Profit Organization

**BMD-EYE4858/40F-VPI**  
*O.F.A. NUMBER*

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**NORMAL**

**owner**  
**ALLEN YODER**  
**3518 CR 168**  
**MILLERSBURG OH 44654**

OFA eCert



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*G.G. Keller, DVM*

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

**www.ofa.org**

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*registered name*

**BERNESE MOUNTAIN DOG**  
*breed*

*film/test/lab #*

**956000014159038**  
*tattoo/microchip/DNA profile*

**2530160**  
*application number*

**03/12/2024**  
*date of report*

**RESULTS:**

No radiographic evidence of hip dysplasia is present. The consensus evaluation is: GOOD

**owner**  
**ALLEN YODER**  
**3518 CR 168**  
**MILLERSBURG OH 44654**

**WS75325309**  
*registration no.*

**F**  
*sex*

**12/19/2021**  
*date of birth*

**26**  
*age at evaluation in months*



A Not-For-Profit Organization

**BMD-27311G26F-C-VPI**  
**O.F.A. NUMBER**

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OFA eCert



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*G.G. Keller, DVM*

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This electronic OFA certificate was generated on: 03/12/2024

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Orthopedic Foundation for Animals  
Elbow Dysplasia Evaluation Report



A Not-for-Profit  
Organization

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*registered name*

BERNESE MOUNTAIN DOG  
*breed*

*film/test/lab #*

956000014159038

*tattoo/microchip/DNA profile*

2530160

*application number*

03/12/2024

*date of report*

WS75325309  
*registration no.*

F  
*sex*

12/19/2021  
*date of birth*

26  
*age at evaluation in months*

**Owner**

ALLEN YODER  
3518 CR 168  
MILLERSBURG OH 44654

**Veterinarian**

TROY ANIMAL HOSPITAL  
34 S WESTON ROAD  
TROY OH 45373

RADIOGRAPHIC EVALUATION OF PHENOTYPE WITH RESPECT TO ELBOW DYSPLASIA

**NORMAL ELBOW**

L ☒ R ☐

**ELBOW DYSPLASIA**

Radiographic evidence of elbow dysplasia is present in the right elbow. The consensus is  
Grade 1 Degenerative Joint Disease.

GRADE I

L ☐ R ☒

GRADE II

L ☐ R ☐

GRADE III

L ☐ R ☐

**RADIOGRAPHIC FINDINGS**

degenerative joint disease (DJD)

L ☐ R ☒

united anconeal process (UAP)

L ☐ R ☐

fragmented coronoid process (FCP)

L ☐ R ☐

osteochondrosis

L ☐ R ☐

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CHIEF OF VETERINARY SERVICES

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*breed*

*film/test/lab #*

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*tattoo/microchip/DNA profile*

**2530160**  
*application number*

**05/28/2026**  
*date of report*

**RESULTS:**

**DEGENERATIVE MYELOPATHY (DM): N/N, TWO NORMAL COPIES OF THE GENE ASSOCIATED WITH DM SUSCEPTIBILITY**

*These results are based on the EMBARK laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.*

**owner**  
**ALLEN YODER**  
**3518 CR 168**  
**MILLERSBURG OH 44654**

**WS75325309**  
*registration no.*

**F**  
*sex*

**12/19/2021**  
*date of birth*

**13**  
*age at evaluation in months*



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**BMD-DM3731/13F-PI**  
**O.F.A. NUMBER**

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**BERNESE MOUNTAIN DOG**  
*breed*

*film/test/lab #*

**956000014159038**  
*tattoo/microchip/DNA profile*

**2530160**  
*application number*

**05/28/2026**  
*date of report*

**RESULTS:**

**Degenerative Myelopathy B (DMB): Clear/Normal for the SOD1B Mutation**

*These results are based on the GENSOL DIAGNOSTICS laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.*

**owner**  
**ALLEN YODER**  
**3518 CR 168**  
**MILLERSBURG OH 44654**

OFA eCert



Verify QR scan

**WS75325309**  
*registration no.*

**F**  
*sex*

**12/19/2021**  
*date of birth*

**16**  
*age at evaluation in months*



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**BMD-DMB596/16F-PI**  
*O.F.A. NUMBER*

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*tattoo/microchip/DNA profile*

**2530160**  
*application number*

**05/28/2026**  
*date of report*

**RESULTS:**

**VON WILLEBRAND'S (VWD): N/N CLEAR**

*These results are based on the EMBARK laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.*

**owner**

**ALLEN YODER**  
**3518 CR 168**  
**MILLERSBURG OH 44654**



**WS75325309**  
*registration no.*

**F**  
*sex*

**12/19/2021**  
*date of birth*

**13**  
*age at evaluation in months*



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Micah Halpern, PhD  
Principal Scientist

Mary Simonson  
Laboratory Manager

## CERTIFICATE OF RESULTS FOR SAMPLE ID #:

426484

OWNER'S NAME: REUBEN TROYER  
PET'S NAME\*: AMBER  
PET'S REGISTRATION #: WS75325309  
PET'S BREED: BERNESE MOUNTAIN DOG  
DATE TESTED: 5/5/2023

| TEST                                  | RESULT** | TEST RESULT EXPLANATION***                                                                                                       |
|---------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------|
| SOD1B Degenerative Myelopathy (SOD1B) | A        | (CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop degenerative myelopathy due to this mutation. |

\*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](http://www.gensoldx.com). Please consult a licensed veterinarian to discuss the implications.

125 North Main Street Unit 1846, Clayton, GA 30525  
1-844-369-3686 - [info@Gensoldx.com](mailto:info@Gensoldx.com) - [www.gensoldx.com](http://www.gensoldx.com)

**FAST - ACCURATE - AFFORDABLE**

## BREED ANCESTRY

 **Bernese Mountain Dog : 100.0%**

## GENETIC STATS

Predicted adult weight: **93 lbs**

## TEST DETAILS

Kit number: EM-23669634

Swab number: 31210152211206

HEALTH REPORT

**How to interpret Amber’s genetic health results:**  
If Amber inherited any of the variants that we tested, they will be listed at the top of the Health Report section, along with a description of how to interpret this result. We also include all of the variants that we tested Amber for that we did not detect the risk variant for.

**A genetic test is not a diagnosis**  
This genetic test does not diagnose a disease. Please talk to your vet about your dog's genetic results, or if you think that your pet may have a health condition or disease.



**Good news!**

Amber is not at increased risk for the genetic health conditions that Embark tests.

|                                   |                           |                                                                                     |
|-----------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| Breed-Relevant Genetic Conditions | 2 variants not detected   |  |
| Additional Genetic Conditions     | 232 variants not detected |  |

## BREED-RELEVANT CONDITIONS TESTED



**Amber did not have the variants that we tested for, that are relevant to her breed:**



**Von Willebrand Disease Type I, Type I vWD (VWF)**



**Degenerative Myelopathy, DM (SOD1A)**

## INBREEDING AND DIVERSITY

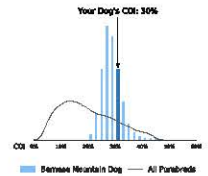
### CATEGORY

### 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%

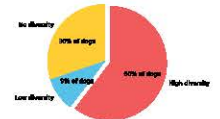


#### MHC Class II - DLA DRB1

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:

