

## Coat Color and Trait Certificate

**Call Name:** Luna  
**Registered Name:** Midwest's Lunar Eclipse  
**Breed:** Bernese Mountain Dog  
**Sex:** Female  
**DOB:** May 2017

**Laboratory #:** 58708  
**Registration #:** -  
**Certificate Date:** July 25, 2017

**This canine's DNA showed the following genotype(s):**

Coat Color/Trait Test	Gene	Genotype	Interpretation
Cu Locus (Curly Hair)	<i>KRT71</i>	Cu/Cu	Straight coat


### Interpretation:

This dog carries two copies of **Cu** which results in a straight coat. However, the overall coat type of this dog is dependent on the combination of this dog's genotypes at the L, Cu, and IC loci. This dog will pass **Cu** on to 100% of its offspring.

Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.



**Christina J Ramirez, PhD, DVM, DACVP**  
Medical Director



**Casey R Carl, DVM**  
Associate Medical Director

Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics®. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results.

## Laboratory Report

<b>Laboratory #:</b>	58708	<b>Call Name:</b>	Luna
<b>Order #:</b>	25552	<b>Registered Name:</b>	Midwest's Lunar Eclipse
<b>Ordered By:</b>	Darah Gestes	<b>Breed:</b>	Bernese Mountain Dog
<b>Ordered:</b>	July 10, 2017	<b>Sex:</b>	Female
<b>Received:</b>	July 14, 2017	<b>DOB:</b>	May 2017
<b>Reported:</b>	July 25, 2017	<b>Registration #:</b>	-

### Results:

Disease	Gene	Genotype	Interpretation
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Von Willebrand Disease I	<i>VWF</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant

### Interpretation:

Molecular genetic analysis was performed for two specific mutations reported to be associated with disease in dogs. We identified two normal copies of the DNA sequences in the mutations tested.

### Recommendations:

No mutations were identified. Thus, this dog is not at an increased risk for the diseases caused by or associated with the mutations tested. Because this dog is "clear" of these mutations, this dog will only pass the normal genes on to its offspring. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.



**Christina J Ramirez, PhD, DVM, DACVP**  
Medical Director



**Casey R Carl, DVM**  
Associate Medical Director

Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics®. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results.

## Canine Genetic Health Certificate™

<b>Call Name:</b>	Luna	<b>Laboratory #:</b>	58708
<b>Registered Name:</b>	Midwest's Lunar Eclipse	<b>Registration #:</b>	-
<b>Breed:</b>	Bernese Mountain Dog	<b>Certificate Date:</b>	July 25, 2017
<b>Sex:</b>	Female		
<b>DOB:</b>	May 2017		

**This canine's DNA showed the following genotype(s):**

Disease	Gene	Genotype	Interpretation
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Von Willebrand Disease I	<i>VWF</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant



**Christina J Ramirez, PhD, DVM, DACVP**  
Medical Director



**Casey R Carl, DVM**  
Associate Medical Director

Paw Print Genetics® performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.

AMERICAN KENNEL CLUB · FOUNDED 1884

# Certified Pedigree

**Site** **BUSTER BRAVEHEART**  
WS54314101 (07-17) BLK RST & WH

## MIDWEST'S LUNAR ECLIPSE

WS57217105  
BERNESE MOUNTAIN DOG FEMALE BLK RST & WH  
Microchip: 7E1021336  
Date Whelped: 05/13/2017  
Breeder: RACHEL MARTIN

**Dam** **DAISY XIX**  
WS48316008 (09-17) BLK RST & WH

**CH BRAVEHEART Z KRAINY ZEUSA**  
WS37947502 (04-13) OFA24E OFEL24  
BLK RST & WH (POL) AKC DNA  
#V650817

**ECHO OF THE HILLS**  
WS38398401 (02-12) BLK RST & WH

**BUSTER MARTIN**  
WS43647508 (05-14) BLK RST & WH AKC  
DNA #V745063

**DANGER**  
WS33796505 (03-12) BLK TN & WH

**CH KEEPINTOUCH DELLA TORRE DOVARDA**  
WS46250401 (07-14) BLK RST & WH (ITA)  
AKC DNA #V705070

**CLEO MARKOWY KLAN**  
PKR II-50632

**KING OF THE MOUNTAIN**  
WS20320907 (03-08) BLK RST & WH AKC  
DNA #V611932

**CHEYANNE**  
WS15954401 (03-08) BLK RST & WH

**SNOCREST CAN'T WAIT TO BE KING**  
WS27407301 (01-11) BLK RST & WH AKC  
DNA #V649013

**BONNIE BERNICE BECKMAN**  
WS30488807 (10-10) BLK RST & WH

**BURNING BUSH BARNEY**  
WS18156603 (01-10) BLK RST & WH

**BURNING BUSH BELLE BELLE**  
WS27730107 (01-10) BLK TN & WH

**TANNHAUSER DES HAUTES VERNADES**  
LOF BER.SEN-20437/03144 (05-08)  
**BLUESUEDESHOES DELLA TORRE DOVARDA**  
ENCI ROI09/19628

**TERTZO'S DARWIN**  
DKK 1367604

**AYA MARKOWY KLAN**  
PKR II-79604

**DAVES RAMBLING ROBERT**  
VRO08922 (08-03) OFA04F BLK RST & WH AKC  
DNA #V271921

**MDD HOT HORNS**  
WS04770207 (02-09) BLK RST & WH

**ZOLOTO ALLP YULAY**  
VRO7865301 (06-04) OFA32G BLK RST & WH  
(RUS) AKC DNA #V313137

**MDD STACEY**  
WS04249910 (09-05) BLK RST & WH

**SNOCREST STANLEY**  
WS22562701 (12-08) BLK RST & WH

**SNOCREST GIDGET**  
WS18704003 (12-08) BLK RST & WH

**OZARKS BEST REX MAN**  
WS08975004 (11-08) BLK RST & WH AKC DNA  
#V554230

**CUPCAKE PRINCESS**  
WS22789301 (03-08) BLK RST & WH

**SAMPSON BOY**  
WS08825803 (02-06) BLK RST & WH AKC DNA  
#V401237

**STAR LADY II**  
WS02266506 (04-06) BLK RST & WH

**SIR DIEGO I**  
WS01203406 (03-04) OFA24F BLK RST & WH AKC  
DNA #V325063

**MAGGIE MAE III**  
WS05903805 (02-06) BLK RST & WH



AMERICAN  
KENNEL CLUB®

*Jane Bowdler*  
Executive Secretary

The Seal of The American Kennel Club affixed hereto certifies that this pedigree was compiled from official Stud Book records on July 6, 2017.



# Orthopedic Foundation for Animals Preliminary (Consultation) Report



A Not-For-Profit  
Organization

MIDWEST'S LUNAR ECLIPSE  
registered name

WS57217105  
registration number

BERNESE MOUNTAIN DOG  
breed

F  
sex

5/13/2017  
date of birth

7E10213336  
tattoo/microchip/DNA profile

4  
age at evaluation in months

1922714  
application number

10/16/2017  
date of report

film/case no(s)

Owner  
DARAH GESTES

Veterinarian  
VETERINARY GROUP OF CHESTERFIELD  
17709 EDISON AVE STE A  
CHESTERFIELD, MO 63005

## RADIOGRAPHIC EVALUATION OF PELVIC PHENOTYPE WITH RESPECT TO HIP DYSPLASIA

\* The study must be repeated when the animal is 24 months of age or older to qualify for an OFA number.

\_\_\_\_\_ EXCELLENT HIP JOINT CONFORMATION\*  
superior hip joint conformation as compared with other individuals of the same breed and age

\_\_\_\_\_ BORDERLINE HIP JOINT CONFORMATION  
marginal hip joint conformation of indeterminate status with respect to hip dysplasia at this time – Repeat study in six months

✓ \_\_\_\_\_ GOOD HIP JOINT CONFORMATION\*  
well formed hip joint conformation as compared with other individuals of the same breed and age

\_\_\_\_\_ MILD HIP DYSPLASIA  
radiographic evidence of minor dysplastic changes of the hip joints

\_\_\_\_\_ FAIR HIP JOINT CONFORMATION\*  
minor irregularities of the hip joint conformation as compared with other individuals of the same breed and age

\_\_\_\_\_ MODERATE HIP DYSPLASIA  
well defined radiographic evidence of dysplastic changes of the hip joints

\_\_\_\_\_ SEVERE HIP DYSPLASIA  
radiographic evidence of marked dysplastic changes of the hip joints

## HIP JOINTS - STANDARD VD VIEW

- \_\_\_\_\_ subluxation
- \_\_\_\_\_ remodeling of femoral head/neck
- \_\_\_\_\_ osteoarthritis/degenerative joint disease
- \_\_\_\_\_ shallow acetabula
- \_\_\_\_\_ acetabular rim/edge change
- \_\_\_\_\_ unilateral pathology \_\_\_\_\_ left \_\_\_\_\_ right
- \_\_\_\_\_ transitional vertebra
- \_\_\_\_\_ spondylosis
- \_\_\_\_\_ panosteitis
- \_\_\_\_\_ other

## RADIOGRAPHIC FINDINGS

### ELBOW JOINTS – FLEXED LATERAL VIEW

✓ \_\_\_\_\_ negative for elbow dysplasia ✓ \_\_\_\_\_ L ✓ \_\_\_\_\_ R

### ELBOW DYSPLASIA

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 \_\_\_\_\_

Consultation by: Greg Keller DVM  
G.G. KELLER, DVM, MS, DACVR  
CHIEF OF VETERINARY SERVICES

AMERICAN KENNEL CLUB

NAME  
MIDWEST'S LUNAR ECLIPSE

NUMBER  
WS57217105

BREED  
BERNESE MOUNTAIN DOG

SEX  
FEMALE

COLOR  
BLACK RUST & WHITE

DATE OF BIRTH  
MAY 13, 2017

SIRE  
BUSTER BRAVEHEART  
WS54314101 07-17

DAM  
DAISY XIX  
WS48316008 09-17

BREEDER  
RACHEL MARTIN

OWNER

DARAH LYNN GESTES



AMERICAN  
KENNEL CLUB®

CERTIFICATE ISSUED  
JULY 6, 2017

*This certificate invalidates all previous certificates issued.*

If a date appears after the name and number of the sire and dam, it indicates the issue of the Stud Book Register in which the sire or dam is published.

**For Transfer Instructions, see back of Certificate.**

*This Certificate issued with the right to correct or revoke by the American Kennel Club.*

REGISTRATION CERTIFICATE