

AMERICAN KENNEL CLUB

NAME
HIGH COUNTRY SAGE

BREED
BERNESE MOUNTAIN DOG

COLOR
BLACK RUST & WHITE

SIRE
HIGH COUNTRY CHARLES
WS35069106 05-12 AKC DNA #V689086

DAM
MISS STELLA OF MEADSHIRE
WS31628307 01-14

BREEDER
KIM MCGINNIS & PAUL GRANSEE

OWNER

ADA M KAUFMAN
180 GREAT TWINS RD
LIVERMORE CO 80536-8937

NUMBER
WS50428103

SEX
FEMALE

DATE OF BIRTH
MAY 29, 2015



AMERICAN
KENNEL CLUB

CERTIFICATE ISSUED
OCTOBER 30, 2015

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

AMERICAN KENNEL CLUB · FOUNDED 1884

Certified Pedigree

HIGH COUNTRY CHARLES

Sire WS35069106 (05-12) BLK RST & WH AKC
DNA #V689086

HIGH COUNTRY SAGE

WS50428103
BERNESE MOUNTAIN DOG FEMALE BLK RST & WH
Date Whelped: 05/29/2015
Breeder: KIM MCGINNIS/PAUL GRANSEE

Dam **MISS STELLA OF MEADSHIRE**
WS31628307 (01-14) BLK RST & WH



AMERICAN
KENNEL CLUB


Executive Secretary

HIGH COUNTRY TANK

WS20956416 (05-08) BLK RST & WH AKC DNA
#V529269

ROLLING H'S COOKIE CRISP

WS06399504 (05-06) BLK RST & WH

WAGONTAIL'S KING LOUIS GOLDALIA

WS16596405 (05-07) BLK RST & WH

WAGONTAIL'S LOTUS

WS15477705 (05-07) BLK RST & WH

SNOCREST MARTY

WS08940803 (12-06) BLK RST & WH AKC
DNA #V438733

FROSTY MEADOWS CANDY

WS01919204 (11-04) OFA55G BLK RST & WH

WILLIAM ANTHONY

WR05245804 (08-03) BLK RST & WH AKC
DNA #V285138

BELLINE NA OBRAZE

WR04015801 (01-02) BLK RST & WH (SFR)

HERSH'S MOOSE THE STORM KHAN

WS07981804 (11-05) BLK RST & WH

TIPPER ENGELBERG

WS09582110 (06-06) BLK TN & WH

GAGE'S JACOB

WR00086503 (05-03) OFA43E OFEL43 BLK TN
& WH AKC DNA #V315186

MOWDY RANCH'S MOUNTAIN GINGER

WS02872304 (03-05) BLK RST & WH

The Seal of The American Kennel Club affixed hereto certifies that this pedigree was compiled from official Stud Book records on October 30, 2015.



CERTIFICATE OF RESULTS

OWNERS NAME: ADA M KAUFMAN
PET'S NAME**: HIGH COUNTRY SAGE

PET'S REGISTRATION #: WS50428103
PET'S BREED: BERNESE MOUNTAIN DOG
TEST: DEGENERATIVE MYELOPATHY (DM)
DATE: December 18, 2015

Explanation of Results:

<u>SCORE</u>	<u>MEANING</u>
A	Clear/Normal
B	Carrier/Not Affected
C	At Risk/Affected

TEST SCORE*:

A

SAMPLE ID #:

100 - 16615

For detailed result explanation
please visit our website:

www.GenSolDx.com

**GenSol warrants its test results to be accurate for the sample obtained from the above dog. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GEN SOL 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.

**Please consult a licensed veterinarian
to discuss the implications of the above test results.**

P.O. Box 701492 Saint Cloud, FL 34770
(407) 530-3788 - info@Gensoldx.com

WWW.GENSOLDX.COM



CERTIFICATE OF RESULTS

OWNERS NAME: ADA M KAUFMAN
PET'S NAME**: HIGH COUNTRY SAGE

PET'S REGISTRATION #: WS50428103
PET'S BREED: BERNESE MOUNTAIN DOG
TEST: VON WILLEBRAND'S DISEASE (VWD1)
DATE: December 18, 2015

Explanation of Results:

<u>SCORE</u>	<u>MEANING</u>
A	Clear/Normal
B	Carrier/Not Affected
C	At Risk/Affected

TEST SCORE*:

B

SAMPLE ID #:
100 - 16616

For detailed result explanation
please visit our website:

www.GenSolDx.com

**GenSol warrants its test results to be accurate for the sample obtained from the above dog. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GEN SOL 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.

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CERTIFICATE OF RESULTS

OWNER'S NAME: ADA M. KAUFMAN
PET'S NAME:** HIGH COUNTRY SAGE

PET'S REGISTRATION #: WS50428103
PET'S BREED: BERNESE MOUNTAIN DOG
TEST: SOD1B DEGENERATIVE MYELOPATHY (SOD1B)
DATE: 4/17/2017

Explanation of Results:

<u>SCORE</u>	<u>RECESSIVE</u>	<u>DOMINANT</u>
A	Clear/Normal	Clear/Normal
B	Carrier/Not Affected	Carrier/Affected
C	At Risk/Affected	At Risk/Affected

TEST SCORE*:

B

SAMPLE ID #:

57930

For detailed result explanation
please visit our website:

www.GenSolDx.com

*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.

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125 North Main Street Unit 1846, Clayton, GA 30525

(407) 530-3788 - info@Gensoldx.com

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PennHIP Report

Doctor's Copy

Referring Veterinarian: Dr Greg Burns
 Email: repro@southmesa.com

Clinic Name: South Mesa Veterinary Hospital
 Clinic Address: 3801 S. Mason St.
 Fort Collins, CO 80525
 Phone: (970) 226-6526
 Fax: (970) 226-5717

Patient Information

Client: Kaufman, Ada
 Patient Name: Sage
 Reg. Name: High Country Sage
 PennHIP Num: 104452
 Species: Canine
 Date of Birth: 29 May 2015
 Sex: Female
 Date of Study: 26 Jan 2017
 Date of Report: 27 Jan 2017

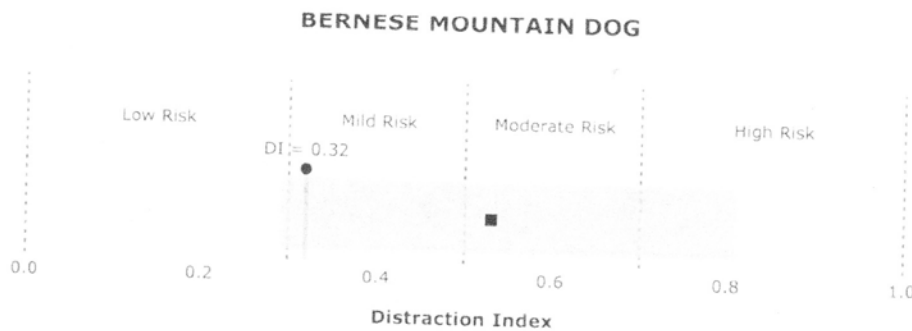
Tattoo Num:
 Patient ID: 59834
 Registration Num: WS50428103
 Microchip Num: 840619531
 Breed: BERNESE MOUNTAIN DOG
 Age: 20 months
 Weight: 91 lbs/41.3 kgs
 Date Submitted: 27 Jan 2017

Findings

Distraction Index (DI): Right DI = 0.32, Left DI = 0.31.
 Osteoarthritis (OA): No radiographic evidence of OA for either hip.
 Cavitation/Other Findings: None.

Interpretation

Distraction Index (DI): The laxity ranking is based on the hip with the greater laxity (larger DI). In this case the DI used is 0.32.
 OA Risk Category: The DI is between 0.31 and 0.49. This patient is at mild risk for hip OA.
 Distraction Index Chart:



Breed Statistics: This interpretation is based on a cross-section of 2454 canine patients of the BERNESE MOUNTAIN DOG breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.29 - 0.81) for the breed. The breed average DI is 0.53 (solid square). The patient DI is the solid circle (0.32).

Summary: The degree of laxity (DI = 0.32) falls within the central 90% range of DIs for the breed. This amount of hip laxity places the hip at a mild risk to develop hip OA. No radiographic evidence of OA for either hip.

Interpretation and Recommendations: No OA/Mild Risk: Low risk to develop radiographic evidence of hip OA early in life, however OA may manifest after 6 years of age or later. Risk of OA increases as DI, age, body weight, and activity level increase. OA susceptibility is breed specific, larger breeds being more susceptible. **Recommendations:** Evidence-based strategies to lower the risk of dogs developing hip OA or to treat those having OA fall into 5 modalities.* For detailed information, consult these documents.* Use any or all of these modalities as needed:
 1) For acute or chronic pain prescribe NSAID PO short or long term. Amantadine can be added if response is marginal or if

a neuropathic component to the pain is suspected.

2) Optimize body weight, keep lean, at BCS = 5/9.

3) Prescribe therapeutic exercise at intensities that do not precipitate lameness.

4) Administer polysulfated glycosaminoglycans IM or SQ, so-called DMOAD.

5) Feed an EPA-rich prescription diet preventatively for dogs at risk for OA or therapeutically for dogs already showing radiographic signs of OA.

At the present time there is inadequate evidence to confidently recommend any of the many other remedies to prevent or treat OA. Studies are in progress. Consider repeating radiographs at periodic intervals to determine the rate of OA progression and adjust treatment accordingly. Older dogs may show clinical signs such as chronic pain, reluctance to go stairs or jump onto the bed, and stiffness particularly after resting. It is unlikely that end-stage hip disease will develop for dogs at this risk level so surgical therapy for the pain of hip OA would rarely be indicated.

Breeding Recommendations: Please consult the PennHIP Manual.

* From WSAVA Global Pain Council Guidelines and the 2015 AAHA/AAFP Pain Management Guidelines

Comments:

None