



Canine Genetic Health Certificate™

Call Name: Penny J
Registered Name: -
Breed: Bernese Mountain Dog
Sex: Female
DOB: Jan. 2020

Laboratory #: 418741
Registration #: -
Certificate Date: Sept. 29, 2023

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

| Disease | Gene | Genotype | Interpretation |
|--|-------------|----------|----------------|
| Degenerative Myelopathy (Bernese Mountain Dog Variant) | <i>SOD1</i> | WT/WT | Normal (Clear) |
| Degenerative Myelopathy (Common Variant) | <i>SOD1</i> | WT/WT | Normal (Clear) |
| Von Willebrand Disease I | <i>VWF</i> | WT/WT | Normal (Clear) |

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

Helen F Smith, PhD
Associate Laboratory Director

Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Paw Print Genetics® performed the testing on the dog listed on this certificate. 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. The results included in this report relate only to the items tested using the sample provided. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the test(s)' accuracy and precision with >99.9% sensitivity and specificity. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a breed identification test. Because all tests performed are DNA-based, rare genetic 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.



220 E. Rowan, Suite 220
Spokane, Washington 99207
www.pawprintgenetics.com
(509) 483-5950

Laboratory Report

| | | | |
|----------------------|----------------|-------------------------|----------------------|
| Laboratory #: | 418741 | Call Name: | Penny J |
| Order #: | 191142 | Registered Name: | - |
| Ordered By: | Jesse Miller | Breed: | Bernese Mountain Dog |
| (Co-)Owner: | Jesse miller | Sex: | Female |
| Ordered: | Sept. 7, 2023 | DOB: | Jan. 2020 |
| Received: | Sept. 19, 2023 | Registration #: | - |
| Reported: | Sept. 29, 2023 | | |

Results:

| Disease | Gene | Genotype | Interpretation |
|--|------|----------|----------------|
| Degenerative Myelopathy (Bernese Mountain Dog Variant) | SOD1 | WT/WT | Normal (Clear) |
| Degenerative Myelopathy (Common Variant) | SOD1 | WT/WT | Normal (Clear) |
| Von Willebrand Disease I | VWF | WT/WT | Normal (Clear) |

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

Interpretation:

Molecular genetic analysis was performed for three specific mutations reported to be associated with disease in dogs. We identified two normal copies of the DNA sequences in three mutations tested. Thus, this dog is not at an increased risk for the diseases associated with these three mutations.

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.

Helen F Smith, PhD
Associate Laboratory Director

Christina J Ramirez, PhD, DVM, DACVP
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