

## Canine Genetic Health Certificate™

<b>Call Name:</b>	Betty	<b>Laboratory #:</b>	328288
<b>Registered Name:</b>	Elizabeth Ford of IGPK	<b>Registration #:</b>	WS74564407
<b>Breed:</b>	Bernese Mountain Dog	<b>Microchip #:</b>	900235000036020
<b>Sex:</b>	Female	<b>Certificate Date:</b>	Feb. 15, 2023
<b>DOB:</b>	Nov. 2021		

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

Disease	Gene	Genotype	Interpretation
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Degenerative Myelopathy (Bernese Mountain Dog Type)	<i>SOD1</i>	WT/WT	Normal (clear)
P2RY12 Receptor Platelet Disorder	<i>P2RY12</i>	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</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)



**Blake C Ballif, PhD**  
Laboratory & Scientific 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 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.

## Coat Color and Trait Certificate

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<b>Sex:</b>	Female	<b>Certificate Date:</b>	Feb. 15, 2023
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**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
IC Locus (Improper Coat/Furnishings)	<i>RSPO2</i>	IC/IC	No furnishings, improper 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.

This dog carries two copies of **IC** and will therefore have no furnishings (improper coat). This dog does not carry the mutation for weak furnishings. 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 **IC** (improper coat) to 100% of its offspring and can produce puppies with improper coat if bred with a dog that carries one or two copies of the mutation for improper coat.

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.



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Laboratory & Scientific Director



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