

Canine Genetic Health Certificate™

Call Name:	Stella	Laboratory #:	148175
Registered Name:	Dakota's Phantom Stella Rosa	Registration #:	PR21096407
Breed:	Standard Poodle	Microchip #:	956000005825743
Sex:	Female	Certificate Date:	Oct. 22, 2020
DOB:	Sept. 2018		

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

Disease	Gene	Genotype	Interpretation
Chondrodysplasia (CDPA)	<i>CFA18</i> <i>FGF4</i>	cd/cd	No Leg Shortening Associated with CDPA
Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	<i>CFA12</i> <i>FGF4</i>	WT/WT	Normal (Clear) - No CDDY or Increased IVDD Risk
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
GM2 Gangliosidosis (Poodle Type)	<i>HEXB</i>	WT/WT	Normal (clear)
Osteochondrodysplasia	<i>SLC13A1</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



Robert D. Westra, MS, DVM
Assistant 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.

Coat Color and Trait Certificate

Call Name: Stella
Registered Name: Dakota's Phantom Stella Rosa
Breed: Standard Poodle
Sex: Female
DOB: Sept. 2018

Laboratory #: 148175
Registration #: PR21096407
Microchip #: 956000005825743
Certificate Date: May 14, 2020

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
A Locus (Agouti)	<i>ASIP</i>	a^t/a	Tricolor, black and tan (carries bicolor/solid)
B Locus (Brown)	<i>TYRP1</i>	B/b	Black coat, nose and foot pads (carries brown)
D Locus (Dilute)	<i>MLPH</i>	D/D	Non dilute
E Locus (Yellow/Red)	<i>MC1R</i>	E/E	Black
K Locus (Dominant Black)	<i>CBD103</i>	k^Y/k^Y	Agouti expression allowed
S Locus (White Spotting, Parti, or Piebald)	<i>MITF</i>	S/s^P	Limited white spotting, flash, parti, or piebald (carrier)

Interpretation:

This dog carries one copy of a^t and one copy of a which results in tan points and can also present as a black and tan or tricolor coat color. However, this dog's coat color is also dependent on the E, K, and B genes. The tan point coat color is only expressed if the dog is also E/E or E/e at the E locus and k^Y/k^Y at the K locus. This dog will pass on a^t to 50% of its offspring and a to 50% of its offspring.

This dog carries one copy of B and at least one copy of b at the b^c , b^d or b^s locus making the overall B locus genotype of this dog B/b . The overall B locus genotype for a dog is determined by the combination of the genotypes at the b^c , b^d , and b^s loci. The b^c , b^d , and b^s variants confer brown coat, nose, and foot pads when at least one of these DNA changes is present on both genes of the dog at the B locus. If the dog has one or no copies of b then the dog will have a black coat, nose, and foot pads. However, this dog's coat color is also dependent on the E, K, and A genes. This dog will pass on B to 50% of its offspring and b to 50% of its offspring.

This dog carries two copies of D which does not result in the "dilution" or lightening of the black and yellow/red pigments that produce the dog's coat color. The base coat color of this dog will be primarily determined by the E, K, A, and B genes. This dog will pass on D to 100% of its offspring.

This dog carries two copies of E which allows for the production of black pigment. However, this dog's coat color is also dependent on the K, A, and B genes. This dog will pass on E to 100% of its offspring.

This dog carries two copies of k^Y which allows for the expression of the agouti gene (A locus) which can result in a variety of coat colors including sable/fawn, tricolor, tan points, black or brown. However, this dog's coat color is dependent on its genotypes at the E, A and B genes. This dog will pass on k^Y to 100% of its offspring.

This dog carries one copy of S and one copy of s^P which results in limited white spotting, flash, parti, or piebald coat color due to the co-dominance of S and s^P . This dog will pass on one copy of S to 50% of its offspring and

one copy of s^P to 50% 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



Robert D. Westra, MS, DVM
Assistant Medical Director

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ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

DAKOTA'S PHANTOM STELLA ROSA

registered name

POODLE

breed

film/test/lab #

956000005825743

tattoo/microchip/DNA profile

2189131

application number

11/18/2020

date of report

RESULTS:

Based upon the radiograph submitted, the consensus was that no evidence of hip dysplasia was recognized. The hip joint conformation was evaluated as:

PR21096407

registration no.

F

sex

09/05/2018

date of birth

25

age at evaluation in months



A Not-For-Profit Organization

PO-29027F25F-VPI

O.F.A. NUMBER

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

FAIR

owner
BRITTANY VENEKAMP
48426 218TH ST
ELKTON SD 57026

OFA eCert



*Verify certificate
with QR scan*

G.G. Keller DVM

G.G.KELLER, D.V.M., M.S., DACVR
CHIEF OF VETERINARY SERVICES

www.ofa.org

This electronic OFA certificate was generated on: 11/18/2020

This certification can be verified on the OFA website by entering the dog'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@OFFA.ORG** to request a correction.

Orthopedic Foundation for Animals, Inc.
2300 E. Nifong Blvd.
Columbia, MO 65201-3806

OFA website: www.ofa.org
E-mail address: ofa@offa.org
Phone number: 573-442-0418
Fax number: 573-875-5073