UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

LABRADOR RETRIEVER GENETIC HEALTH PANEL TEST REPORT

Provided Information:	***Case:*** **NCD112468**
Name: **NORTH STAR'S MAMA MIA OF SGR**	***Date Received:*** 06-Mar-2020
Registration:	***Report Issue Date:*** 06-Jun-2022
	Report ID: 1030-8362-5181-8059
	Reissue of: 7741-4567-5965-2015
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **07/11/2019** *Sex:* **Female** *Breed:* **Labrador Retriever** *Microchip:* *Color:* **Yellow**

Call Name: **Mia**

Sire: PETER'S GANG SNOWDROP HERBU ZADORA	*Dam:* JK SNOWLILY BLESSING
Reg: V884450	*Reg:* SR85153608
Microchip:	*Microchip:*

	RESULT		INTERPRETATION
Centronuclear Myopathy (CNM)	**N/N**		No copies of the CNM mutation detected. Dog is normal.
Congenital Myasthenic Syndrome (CMS)	**N/N**		No copies of the CMS mutation detected. Dog is normal.
Copper Toxicosis	**ATP7A**	**N/N**	One copy of the ATP7B variant and may have increased levels of hepatic copper.
	ATP7B	**N/7B**	
Cystinuria Type I-A	**N/N**		No copies of the cystinuria type I-A mutation detected. Dog is normal.
Exercise Induced Collapse (EIC)	**N/N**		No copies of the EIC mutation detected. Dog is normal.
Degenerative Myelopathy (DM)	**N/N**		No copies of the DM mutation.
Hereditary Nasal Parakeratosis (HNPK)	**N/N**		No copies of the HNPK mutation detected. Dog is normal.
Hyperuricosuria	**N/N**		No copies of the hyperuricosuria mutation detected. Dog is normal.
Narcolepsy	**N/N**		Normal. Dog does not carry the Labrador narcolepsy associated variant.
Pyruvate Kinase Deficiency (PKDef)	**N/N**		No copies of the PKDef mutation. Dog is normal.
Skeletal Dysplasia 2 (SD2)	**N/N**		No copies of the SD2 mutation detected. Dog is normal.
X-Linked Myotubular Myopathy (XLMTM)	**N/N**		No copies of the MTM1 mutation detected. Female is normal.
Progressive Rod-Cone Degeneration (PRCD)	**N/PRCD**		Carrier. Dog has one copy of the variant associated with PRCD.
DILUTE (D LOCUS)	**D/D**		No known dilution variants present.

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DOG COAT COLOR / NATURAL BOBTAIL REPORT

COLLEEN GOULARTE

Case: **NCD112468**
Date Received: 06-Mar-2020
Print Date: 10-Mar-2020
Report ID: 9334-6507-7624-2095
Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm

Name: **NORTH STAR'S MAMA MIA OF SGR**
DOB: **07/11/2019** *Sex:* **Female** *Breed:* **Labrador Retriever** *Microchip:* *Color:* **Yellow**

Call Name: **Mia**

Sire: PETER'S GANG SNOWDROP HERBU ZADORA *Reg:* V884450
Dam: JK SNOWLILY BLESSING *Reg:* SR85153608

MC1R (E LOCUS)	**e_1/e_1**	2 copies of red/yellow/cream
BROWN (TYRP1)		Not requested.
DILUTE (MLPH)		Not requested.
DOMINANT BLACK		Not requested.
AGOUTI		Not requested.
MERLE		Not requested.
PIEBALD		Not requested.
HARLEQUIN		Not requested.
NATURAL BOBTAIL		Not requested.
DOBERMAN OCA		Not requested.
PANDA SPOTTING		Not requested.
INTENSITY DILUTION		Not requested.

For more detailed information on Dog Coat Color results, please go to:
www.vgl.ucdavis.edu/services/coatcolordog.php

Canine Genetic Health Certificate™

Call Name: Mia
Registered Name: North Star's Mama Mia of SGR
Breed: Labrador Retriever
Sex: Female
DOB: July 2019

Laboratory #: 160494
Registration #:
Microchip #:
Certificate Date: March 6, 2023

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

Disease	Gene	Genotype	Interpretation
Macular Corneal Dystrophy (Labrador Retriever Type)	*CHST6*	WT/M	Carrier

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 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.