CatScan

Call Name	Brasilia	DOB	February 3, 2021
Registered Name	Svetorada Brasilia	Registration #	Pending2
Breed	Maine Coon	Tattoo	
Sex	F	Microchip	
Owner	Lisa McCann	Laboratory #	AN-21-008713
		Report Date	September 30, 2021

These tests were developed and performed by Paw Print Genetics®, Spokane WA.

Normal	A 'Normal' result means that your cat does not have the mutation that causes the associated genetic disease.
Carrier	A 'Carrier' result indicates that your cat has inherited one copy of the mutation that has been reported to cause this genetic disease. Your cat may not be clinically affected by this mutation because two copies of the mutation are usually required to cause disease.
Carrier / At-Risk	A 'Carrier / At-Risk' result indicates that your cat inherited one copy of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one mutant copy of the gene may result in the disease. Cats with one copy of the mutation may have a milder phenotype as compared to cats with two copies of this mutation.
At-Risk / Affected	An 'At-Risk / Affected' result indicates that your cat inherited one or two copies of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one or two mutant copies of the gene may result in the disease.
No Result	'No Result' indicates that we were unable to obtain a genotype for your cat for this specific disease or trait and does not mean that your cat is a carrier or at-risk for this disease. There are a variety of reasons why a specific test may not provide a reportable result. Unique variations in the genetic code of some individuals may exist and cause certain regions of the genome to not perform properly with a specific test. In addition, suboptimal sampling of the cat's cheek cells could also result in poor sample performance due to inadequate cell counts, bacterial and fungal growth, or the presence of other test inhibitors. An acceptable level of tests with no results has been determined by Paw Print Genetics. Cats with at least 90% of the test results are determined to be acceptable and reportable. If your cat has an unacceptable level of tests with no results, you will be contacted for a new sample to repeat the testing.

Please review our testing terms and disclaimers regarding your results.

WT: **wild type (normal)** M: **mutant** Y: **Y chromosome (male)**

Disease Name	Geno.	Interpretation
Cystinuria, Type B, Variant 2	WT/WT	Normal
Hypertrophic Cardiomyopathy Maine Coon Type	WT/WT	Normal
Pyruvate Kinase Deficiency	WT/WT	Normal
Spinal Muscular Atrophy	WT/WT	Normal

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Trait Name	Geno.	Interpretation
ABC Blood Group System	A/A	A blood group
B Group Variant 1- b^1	0	
B Group Variant 2 - b^2	0	
C Group Variant - a^c	0	
Agouti Coat Color - A Locus	A/A	Tabby expression allowed
Amber and Russet Coat Color - E Locus	E/E	Non-amber, darkly pigmented coat color
E Locus - Amber Variant - e	0	
E Locus - Russet Variant - e^r	0	
Brown Coat Color - B Locus	B/B	Black Coat Color
B Locus - Chocolate Variant - b	0	
B Locus - Cinnamon Variant - b^1	0	
Coat Type - Curly Devon Rex, Selkirk Rex Type or Hairless Sphynx Type - R Locus	No Result	No Result
R Locus - Devon Rex Curly Variant - re	No Result	No Result
R Locus - Selkirk Rex Curly Variant - SR	0	
R Locus - Sphynx Hairless Variant - hr	0	
Curly Coat Cornish Rex Type	Cu/Cu	Straight coat

Dilute Coat Color - D Locus	D/d	Non-dilute (dilute carrier)
Dominant White and White Spotting - W Locus	w/w	No white spotting
Folded Ears with Osteochondrodysplasia	f/f	Typical (non-folded) ears
Long Hair - L Locus	lh/lh	Longaired

L Locus - Long Hair Variant 1 - lh^1	0
L Locus - Long Hair Variant 2 - lh^2	0
L Locus - Long Hair Variant 3 - lh^3	0
L Locus - Long Hair Variant 4 - lh^4	2

Pointed Coat Color and Albinism - C Locus	C/C	Non-pointed coat

C Locus - Albino Variant - c	0
C Locus - Albino Variant 2 - c^2	0
C Locus - Burmese Variant - c^b	0
C Locus - Siamese Variant - c^s	0

Polydactyly	pd/pd	Normal (typical) toes

Polydactyly - Hemingway Variant - PD^H	0
Polydactyly - Variant 1 - PD^1	0
Polydactyly - Variant 2 - PD^2	0

Short Tail Japanese Bobtail Type	st/st	Normal length tail
Tabby Coat Color Pattern - Mc Locus	mc^1/mc^1	Blotched (classic) tabby coat color pattern

Mc Locus - Blotched Variant 1 - mc^1	2
Mc Locus - Blotched Variant 2 - mc^2	0
Mc Locus - Blotched Variant 3 - mc^3	0

White Gloves Birman Type	w^g/w^g	White gloves

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Determinants of coat colors and traits are complex. Many of these variants are known and many of the genes screened in the CatScan interact. In addition, not all the genetic factors that contribute to a cat's coat color and traits are known. Because of the complexities in gene-gene interactions, the coat colors and traits reported in your CatScan results may vary from your cat's actual appearance. Individual differences in genes throughout the feline genome, not tested in this genetic screen, may also affect the final coat color or traits seen in your cat. The ABC Blood Group System Interpretation is based off the three variants (b^1, b^2 and a^c). Other blood group variants have been identified and associated with specific breeds, such as Ragdoll. Definitive bloodtyping should be done by agglutination or other similar testing methods.

Disease Name	Geno.	Interpretation
Acute Intermittent Porphyria, Variant 1	WT/WT	Normal
Acute Intermittent Porphyria, Variant 2	WT/WT	Normal

Acute Intermittent Porphyria, Variant 3	WT/WT	Normal
Acute Intermittent Porphyria, Variant 4 Siamese Type 1	WT/WT	Normal
Acute Intermittent Porphyria, Variant 5 Siamese Type 2	WT/WT	Normal
Acute Intermittent Porphyria, Variant 6	WT/WT	Normal
Autoimmune Lymphoproliferative Syndrome	WT/WT	Normal
Brachycephaly Burmese Type -	WT/WT	Normal
Congenital Adrenal Hyperplasia	WT/WT	Normal
Congenital Erythropoietic Porphyria, Variant 1	WT/WT	Normal
Congenital Erythropoietic Porphyria, Variant 2	WT/WT	Normal
Congenital Hypothyroidism	WT/WT	Normal
Congenital Myasthenic Syndrome	WT/WT	Normal
Cystinuria, Type 1A	WT/WT	Normal
Cystinuria, Type B, Variant 1	No Result	No Result
Cystinuria, Type B, Variant 2	WT/WT	Normal
Cystinuria, Type B, Variant 3	WT/WT	Normal
Cystinuria, Type B, Variant 4	WT/WT	Normal
Cystinuria, Type B, Variant 5	WT/WT	Normal
Dihydropyrimidinase Deficiency	WT/WT	Normal
Factor XII Deficiency, Variant 1	WT/WT	Normal
Feline Leukocyte Adhesion Deficiency, Type 1	No Result	No Result
Gangliosidosis GM2A	WT/WT	Normal
Glycogen Storage Disease, Type IV	WT/WT	Normal
GM1 Gangliosidosis	WT/WT	Normal
GM2 Gangliosidosis, Type II Burmese Type	WT/WT	Normal
GM2 Gangliosidosis, Type II	WT/WT	Normal
GM2 Gangliosidosis, Type II Japanese Domestic Type	WT/WT	Normal
GM2 Gangliosidosis, Type II Korat Type	WT/WT	Normal

Hemophilia B, Variant 1	WT/WT	X-Linked Female Normal
Hemophilia B, Variant 2	WT/WT	X-Linked Female Normal
Hyperlipoproteinemia	WT/WT	Normal
Hypertrophic Cardiomyopathy Maine Coon Type	WT/WT	Normal
Hypertrophic Cardiomyopathy Ragdoll Type	WT/WT	Normal
Hypokalemic Periodic Paralysis	WT/WT	Normal
Hypotrichosis with Short Life Expectancy	WT/WT	Normal
Mucopolysaccharidosis Type I	WT/WT	Normal
Mucopolysaccharidosis Type VI Mild Form	WT/WT	Normal
Mucopolysaccharidosis Type VI Siamese Type	WT/WT	Normal
Mucopolysaccharidosis Type VII, Variant 1	WT/WT	Normal
Mucopolysaccharidosis Type VII, Variant 2	WT/WT	Normal
Multiple Drug Resistance	No Result	No Result
Myotonia Congenita	WT/WT	Normal
Niemann-Pick C1 Disease, Variant 1	WT/WT	Normal
Niemann-Pick C1 Disease, Variant 2	WT/WT	Normal
Niemann-Pick C2 Disease	WT/WT	Normal
Polycystic Kidney Disease	WT/WT	Normal
Primary Hyperoxaluria Type II	WT/WT	Normal
Progressive Retinal Atrophy Abyssinian Type	WT/WT	Normal
Progressive Retinal Atrophy Persian Type	WT/WT	Normal
Pyruvate Kinase Deficiency	WT/WT	Normal
Spinal Muscular Atrophy	WT/WT	Normal
Vitamin D-dependent Rickets, Type IA, Variant 1	WT/WT	Normal
Vitamin D-dependent Rickets, Type IA, Variant 2	No Result	No Result

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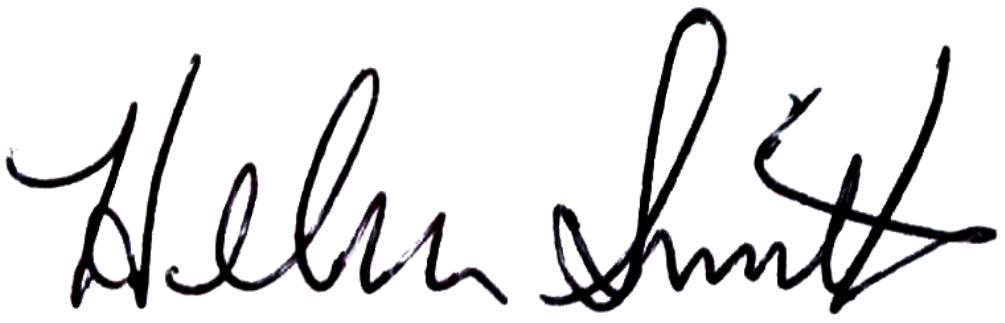

CatScan is a product of Paw Print Genetics. This test was developed and its performance determined by Paw Print Genetics®. This laboratory has established and verified the test's accuracy and precision. Because all tests are preformed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory for further evaluation.