Customer & Pet Information

Call Name	Jolanda	DOB	Aug. 10, 2018
Registered Name	-	Registration #	-
Breed	Savannah	Tattoo	-
Sex	Female	Microchip	-
Owner	lilianne Arkenbout	Laboratory #	421325
		Report Date	Nov. 15, 2023

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

Breed Profile

Disease Name	Genotype	Interpretation
Pyruvate Kinase Deficiency	WT/WT	Normal (Clear)

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

Coat Colors & Traits

Trait Name	Genotype	Interpretation
ABC Blood Group System	A/A	A blood group
ABC Locus - B Group Variant 1 - b^1	0	
ABC Locus - B Group Variant 2 - b^2	0	
ABC Locus - B Group Variant 3 - b^3	0	
ABC Locus - 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 - Cinnamon Variant - b^{1}	0	
B Locus - Chocolate Variant - b	0	
Coat Type - Curly (Devon Rex, Selkirk Rex Type) or Hairless (Sphynx Type) - R Locus	**R/R**	**Straight coat**
R Locus - Selkirk Rex Curly Variant - SR	0	
R Locus - Devon Rex Curly Variant - re	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**
Dominant White and White Spotting - W Locus	**w/w**	**No white spotting**
Folded Ears with Osteochondrodysplasia	**f/f**	**Typical (non-folded) ears**
Golden/Sunshine Coat (Siberian Type) - Wb Locus	**Wb/wb^{SIB}**	**Non-sunshine tabby (sunshine tabby carrier)**
Hairlessness (Lykoi Type) - Hr Locus	**Hr/Hr**	**Normal hair**
Hairlessness (Lykoi Type) - Hr Locus - hr^{Ca}	0	
Hairlessness (Lykoi Type) - Hr Locus - hr^{Fr}	0	
Hairlessness (Lykoi Type) - Hr Locus - hr^{NC}	0	
Hairlessness (Lykoi Type) - Hr Locus - hr^{TN}	0	
Hairlessness (Lykoi Type) - Hr Locus - hr^{TX}	0	
Hairlessness (Lykoi Type) - Hr Locus - hr^{VA}	0	
Long Hair - L Locus	**Sh/Sh**	**Shorthaired**

L Locus - Long Hair Variant 1 - M1/lh^{1}	0	
L Locus - Long Hair Variant 2 - M2/lh^{2}	0	
L Locus - Long Hair Variant 3 - M3/lh^{3}	0	
L Locus - Long Hair Variant 4 - M4/lh^{4}	0	
L Locus - Long Hair Variant 5 - M5/lh^{5}	0	

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

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

Polydactyly	**pd/pd**	**Normal (typical) toes**

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

Short Tail (Bobtail) - T Locus	**t/t**	**Normal length tail**

Short Tail (Bobtail) - T Locus - T^{1}	0	
Short Tail (Bobtail) - T Locus - T^{2}	0	
Short Tail (Bobtail) - T Locus - T^{3}	0	

Short Tail (Japanese Bobtail Type)	**st/st**	**Normal length tail**
Tabby Coat Color Pattern - Mc Locus	**Mc/Mc**	**Mackerel (wildtype) tabby coat color pattern**

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

Ticked - Ti Locus	**ti+/ti+**	**Non-ticked tabby**

Ticked - Ti Locus - Ti^1	0	
Ticked - Ti Locus - Ti^2	0	
White Gloves (Birman Type)	**N/N**	**No white gloves**

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

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 of four variants (b^1, b^2, b^3, and a^c). Definitive bloodtyping should be done by agglutination or other similar testing methods.

Explanation of Results

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.