

# THE INTERNATIONAL CAT ASSOCIATION

## CERTIFIED PEDIGREE

Name of Cat: ELYSOR MALCOLM OF MANDYSBENGALS  
Date of Birth: 01/25/2020  
TICA Number: SBT 012520 042  
Eye Color: GOLD

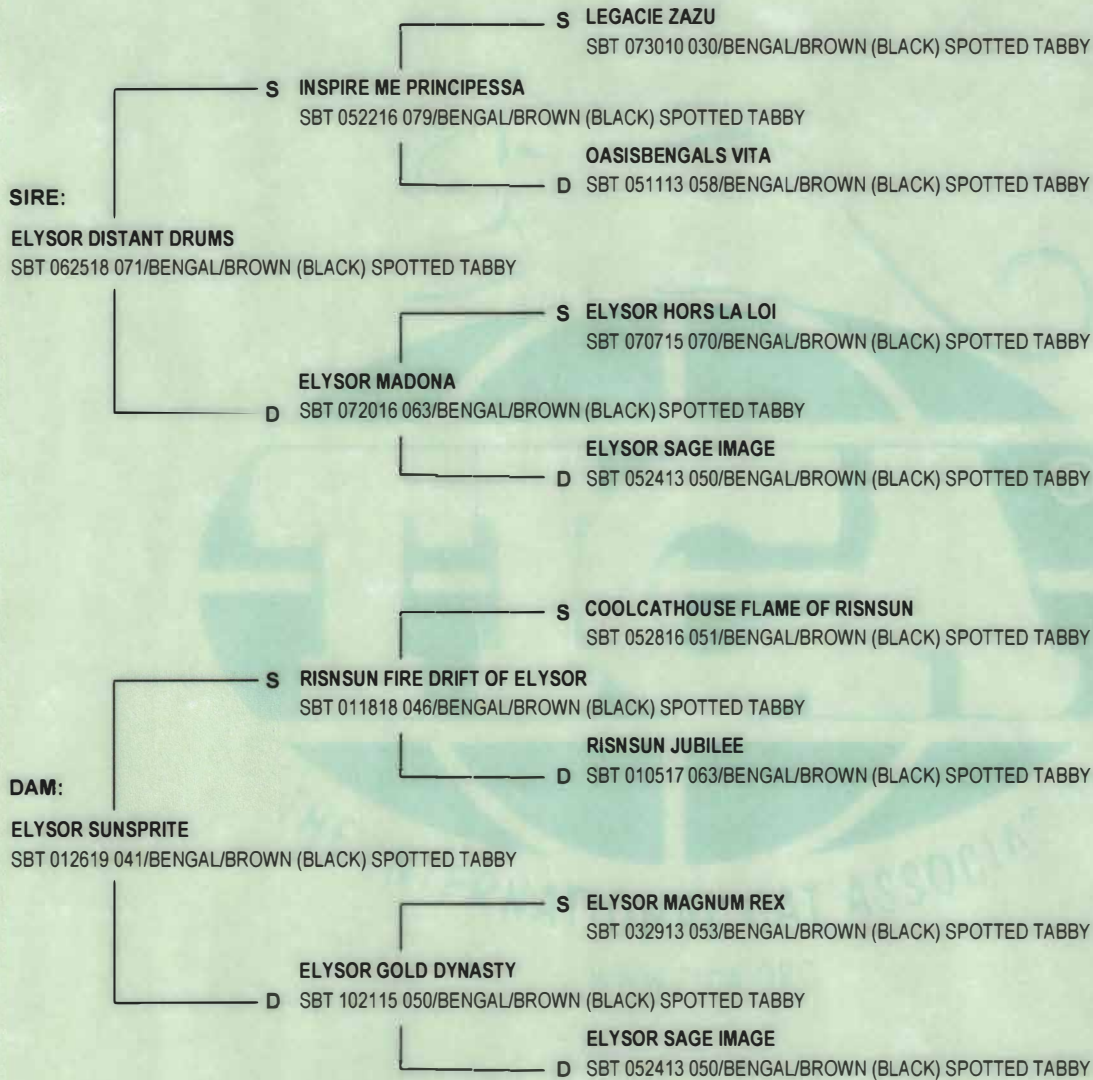
Breed: BENGAL (BG)  
Color: BROWN (BLACK) SPOTTED TABBY  
Sex: MALE

Date: 09/02/2020  
Microchip: 900001898024072

### PARENTS

### GRANDPARENTS

### GREAT GRANDPARENTS



Breeder: ELENA BOLOZAN  
Owner: AMANDA/KRIS SIMPSON

*Frances Cardona*

Executive Secretary

Malcolm  
Registration: SBT 012520042  
Breed: Bengal

Sample ID: KTBR90872  
Test Date: 11/2/2020  
Optimal Selection - Feline - Legacy

# DNA Test Report

## Owner Info

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**First Name**  
Kris

**Last Name**  
Simpson

## Pet Info

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**Registered Name**  
Mandy's Bengals

**Date of Birth**  
1/25/2020

**Nickname (Call Name)**  
Malcolm

**Sample ID**  
KTBR90872

**Sex**  
male

**Registration**  
SBT 012520042

**Country of Origin**  
CA

**Microchip ID**  
900001898024072

**Owner Reported Breed**  
Bengal

**Tattoo ID**  
N/A

# DNA Test Report

## Health Conditions Known in This Breed

Genetic Condition	Gene	Risk Variant	Copies	Result
Progressive Retinal Atrophy (Discovered in Bengal cats)	KIF3B	G>A	0	Clear
Progressive Retinal Atrophy (rdAc-PRA)	CEP290	T>G	0	Clear
Pyruvate Kinase Deficiency	PLKR	G>A	0	Clear

## Other Conditions Tested

Genetic Condition	Gene	Risk Variant	Copies	Result
Acute Intermittent Porphyria (Variant 1)	AIP	Deletion	0	Clear
Acute Intermittent Porphyria (Variant 2)	AIP	G>A	0	Clear
Acute Intermittent Porphyria (Variant 3)	HMBS	Insertion	0	Clear
Acute Intermittent Porphyria (Variant 4)	HMBS	Deletion	0	Clear
Acute Intermittent Porphyria (Variant 5)	HMBS	G>A	0	Clear
Autoimmune Lymphoproliferative Syndrome	FASL	Insertion	0	Clear
Burmese Head Defect (Discovered in Burmese)	ALX1	Deletion	0	Clear
Chediak-Higashi Syndrome (Discovered in Persian cats)	CHS	Insertion	0	Clear
Congenital Adrenal Hyperplasia	CYP11B1	G>A	0	Clear
Congenital Erythropoietic Porphyria	UROS	G>A	0	Clear
Congenital Myasthenic Syndrome (Discovered in Devon Rex and Sphynx)	COLQ	G>A	0	Clear
Cystinuria Type 1A	SCL3A1	C>T	0	Clear
Cystinuria Type B (Variant 1)	SCL7A9	C>T	0	Clear
Cystinuria Type B (Variant 2)	SCL7A9	G>A	0	Clear
Cystinuria Type B (Variant 3)	SCL7A9	T>A	0	Clear
Dihydropyrimidinase Deficiency	DPYS	G>A	0	Clear
Earfold and Osteochondrodysplasia (Discovered in the Scottish Fold)	TRPV4	G>T	0	Clear

# DNA Test Report

## Other Conditions Tested (continued)

Genetic Condition	Gene	Risk Variant	Copies	Result
Factor XII Deficiency (Variant 1)	F12	Deletion	0	Clear
Factor XII Deficiency (Variant 2)	F12	Deletion	0	Clear
Familial Episodic Hypokalaemic Polymyopathy (Discovered in Burmese)	WNK4	C>T	0	Clear
Glutaric Aciduria Type II	ETFDH	T>G	0	Clear
Glycogen Storage Disease (Discovered in Norwegian Forest Cat)	GBE1	Insertion	0	Clear
GM1 Gangliosidosis	GLB1	G>C	0	Clear
GM2 Gangliosidosis	GM2A	Deletion	0	Clear
GM2 Gangliosidosis, type II (Discovered in Burmese cats)	HEXB	O>O	0	Clear
GM2 Gangliosidosis, type II (Discovered in domestic shorthair cats)	HEXB	Insertion	0	Clear
GM2 Gangliosidosis, type II (Discovered in japanese domestic cats)	HEXB	C>T	0	Clear
Hemophilia B (Variant 1)	F9	C>T	0	Clear
Hemophilia B (Variant 2)	F9	G>A	0	Clear
Hyperoxaluria type II	GRHPR	G>A	0	Clear
Hypertrophic Cardiomyopathy (A31P; Discovered in Maine Coon)	MYBPC	G>C	0	Clear
Hypertrophic Cardiomyopathy (Discovered in Ragdoll)	MYBPC	C>T	0	Clear
Hypotrichosis (Discovered in Birman cats)	FOXN1	Deletion	0	Clear
Lipoprotein Lipase Deficiency	LPL	G>A	0	Clear
Medication Sensitivity (MDR1)	ABCB1	Deletion	0	Clear
Mucopolysaccharidosis Type I	IDUA	Deletion	0	Clear
Mucopolysaccharidosis Type VI (mild form)	ARSB	G>A	0	Clear
Mucopolysaccharidosis Type VI (severe)	ARSB	T>C	0	Clear
Mucopolysaccharidosis Type VII	GUSB	G>A	0	Clear

# DNA Test Report

## Other Conditions Tested (continued)

Genetic Condition	Gene	Risk Variant	Copies	Result
Mucopolysaccharidosis VII	USB	C>T	0	Clear
Myotonia Congenita	CLCN1	G>T	0	Clear
Polycystic Kidney Disease (PKD)	PKD1	C>A	0	Clear
Progressive Retinal Atrophy (Discovered in Persian cats)	PRA	C>T	0	Clear
Sphingomyelinosis (Variant 1)	NPC1	G>C	0	Clear
Sphingomyelinosis (Variant 2)	NPC2	G>A	0	Clear
Spinal Muscular Atrophy (Discovered in Maine Coon)	LIX1	Deletion	0	Clear
Vitamin D-Dependent Rickets	CYP27B1	G>T	0	Clear

# DNA Test Report

## Coat Color

Genetic Trait	Gene	Variant	Copies	Result
Charcoal (Discovered in Bengal cats)	ASIP	A <sup>Pb</sup>	0	No effect
Solid color (Non-Agouti)	ASIP	a	1	<b>Agouti (banded) hair</b>
Partial and Full White	FERV1	W or w <sup>s</sup>	0	No effect
Gloving (Birman cat - White Gloves)	KIT	w <sup>g</sup>	0	No effect
Amber (Discovered in Norwegian Forest Cat)	MC1R	e	0	No effect
Russet (Discovered in Burmese cats)	MC1R	e <sup>r</sup>	0	No effect
Dilution	MLPH	d	1	<b>Dilution carrier</b>
Albinism (Discovered in Oriental breeds)	TYR	c <sup>a</sup>	0	No effect
Colorpoint (Discovered in Burmese cats)	TYR	c <sup>b</sup>	0	No effect
Colorpoint (Discovered in Siamese cats)	TYR	c <sup>s</sup>	0	No effect
Mocha (Discovered in Burmese cats)	TYR	c <sup>m</sup>	0	No effect
Chocolate	TYRP	b	0	No effect
Cinnamon	TYRP	b <sup>l</sup>	0	No effect

## Coat Type

Genetic Trait	Gene	Variant	Copies	Result
Long hair (Mutation M1, discovered in Ragdolls)	FGF5	M1	0	No effect
Long hair (Mutation M2, discovered in Norwegian Forest cats)	FGF5	M2	0	No effect
Long hair (Mutation M3, discovered in Ragdolls and Maine Coon)	FGF5	M3	-1	Inconclusive
Long hair (Mutation M4, common)	FGF5	M4	0	No effect
Lykoi coat (Mutation Ca)	HR	hr <sup>Ca</sup>	0	No effect

# DNA Test Report

## Coat Type (continued)

Genetic Trait	Gene	Variant	Copies	Result
Lykoi coat (Mutation VA)	HR	hr <sup>VA</sup>	0	No effect
Hairlessness (Discovered in Sphynx cats)	KRT71	re <sup>hr</sup>	0	No effect
Rexing (Discovered in Devon Rex)	KRT71	re <sup>dr</sup>	0	No effect
Rexing (Discovered in Cornish Rex and German Rex)	LPAR6	r	0	No effect
Glitter	Pending	gl	2	Glitter coat likely

## Body Features

Genetic Trait	Gene	Variant	Copies	Result
Short tail (Discovered in Japanese Bobtail cats)	HES7	jb	0	No effect
Polydactyly (Mutation HW)	LIMBR1	HW	0	No effect
Polydactyly (Mutation UK1)	LIMBR1	UK1	0	No effect
Polydactyly (Mutation UK2)	LIMBR1	UK2	0	No effect
Short tail (Discovered in Manx - variant 1)	T	C1199del	0	No effect
Short tail (Discovered in Manx - variant 2)	T	T988del	0	No effect

Support: 1-800-872-1001

Market Lane Animal Hospital  
905-856-6770

Keyscreen GI Parasite PCR Panel

**Dr. Mina, Dvm NASEEM**

Received  
**06/26/2024 19:03:00**

Reported  
**06/27/2024 - 07:58 AM**



Patient Name	Owner	Species	Breed	Sex	Age	Chart #
<b>Malcom</b>	<b>Simpson, Kris</b>	<b>Feline</b>	<b>Bengal</b>	<b>M</b>	<b>5Y</b>	<b>N</b>

**Keyscreen GI Parasite PCR Panel**

Test Requested	Result	Reference Interval	Visual Ref. Interval
<b>Ancylostoma spp.</b>	Undetected		
<b>A. caninum resistance</b>	Undetected		
<b>Uncinaria stenocephala</b>	Undetected		
<b>Toxocara spp.</b>	Undetected		
<b>Toxocara canis</b>	Undetected		
<b>Toxocara cati</b>	Undetected		
<b>Toxascaris leonina</b>	Undetected		
<b>Baylisascaris procyonis</b>	Undetected		
<b>Trichuris vulpis</b>	Undetected		
<b>Giardia duodenalis</b>	Undetected		
<b>Giardia Zoonotic</b>	Undetected		
<b>Cryptosporidium canis</b>	Undetected		
<b>Cryptosporidium felis</b>	Undetected		
<b>Cystoisospora spp.</b>	Undetected		
<b>Eimeria spp.</b>	Undetected		
<b>Dipylidium caninum</b>	Undetected		



Echinococcus	Undetected
Echinococcus	Undetected
Taenia spp.	Undetected
Tritrichomonas	Undetected
Toxoplasma gondii	Undetected
Neospora caninum	Undetected

**Comment**

A DETECTED KeyScreen GI Parasite PCR result in a patient with clinical signs that are appropriate to the organism, suggests this is the likely cause of the clinical signs. In the absence of clinical signs, parasite detection could suggest a subclinical infection or be related to coprophagia. Subclinical infection may need to be treated in cases where the parasite is zoonotic, has the potential to cause clinical signs or where continued shedding contributes to environmental contamination.

An UNDETECTED KeyScreen GI Parasite PCR result indicates that no parasitic organism was detected. An undetected PCR result most often indicates absence of infection but might also occur after successful treatment or with spontaneous resolution of infection. Undetected results due to cyclical shedding may be overcome with repeat testing or by testing pooled samples collected over multiple days.

For infections with an extra-intestinal phase (e.g., echinococcosis, toxoplasmosis, neosporosis), an undetected KeyScreen GI Parasite PCR result does not rule out systemic infection. If systemic infection is suspected, additional diagnostic investigation is indicated.

As a reference, we have provided links to CAPC guidelines. CAPC is an independent, non-profit organization.

**Veterinarians: If the KeyScreen GI Parasite PCR result does not** explain the clinical signs or if you require additional interpretive assistance, consultation with an internist is available free of charge (Monday to Friday 8am to 9pm EST, Saturday 9am to 6pm EST) at 1-888-838-4636.

## LABORATORY REPORT #562425

Account:	3391	E-mail:	marketlaneanimalhospital@gmail.com
Company:	Market Lane Animal Hospital	Phone:	9058566770
Name:		Fax:	9058566493

<b>1</b>	<b>Animal ID:</b> Malcolm <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Male <b>Age:</b> 2y
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### FP10 - Feline Viral Profile

Sample	Description	Result	Flag	Ranges	Units
<b>Blood</b>	D3372 - Feline Coronavirus (FIP virus, DNA)	Negative			
	D3212 - Feline Herpesvirus (DNA)	Negative			
	D335 - Feline Immunodeficiency virus (DNA)	Negative			
	D341 - Feline Leukemia virus (DNA)	Negative			

## LABORATORY REPORT #522549

Account:	3391	E-mail:	marketlaneanimalhospital@gmail.com
Company:	Market Lane Animal Hospital	Phone:	9058566770
Name:		Fax:	9058566493

<b>1</b>	<b>Animal ID:</b> Malcom <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Male <b>Age:</b> 22m
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**FP16 - Feline Infectious Diarrhea Profile**

Sample	Description	Result	Flag	Ranges	Units
<b>Feces</b>	D465 - Tritrichomonas foetus (DNA)	Negative			
	D361 - Salmonella spp. (DNA)	Negative			
	D4031 - Clostridium perfringens (DNA)	Negative			
	D3291 - Cryptosporidium parvum (DNA)	Negative			
	D3372 - Feline Coronavirus (FIP virus, DNA)	Negative			
	D405 - Giardia spp. (DNA)	Negative			

## LABORATORY REPORT #596345

Account: 3391	E-mail: marketlaneanimalhospital@gmail.com
Company: Market Lane Animal Hospital	Phone: 9058566770
Name:	Fax: 9058566493

<b>1</b>	<b>Animal ID:</b> Malcolm <b>Owner:</b> Simpson <b>Breed:</b> Bengal	<b>Species:</b> Feline <b>Sex:</b> Male <b>Age:</b> 3y
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**OP - Ova & Parasites**
**Parasitology**

Description	Result	Description	Result
Coccidia	None seen	Trichomonas	None seen
Oocysts	None seen	Eggs	None seen
Giardia	None seen	Worms	None seen
Cysts	None seen		

**Notes:**

If Ova and Parasite tests are negative and the animal still has diarrhea, we recommend doing the Canine Infectious Diarrhea Profile (DNA profile, code:CP18) or Feline Infectious Diarrhea Profile (DNA profile, code:FP16)

## LABORATORY REPORT #558584

Account: 3391	E-mail: marketlaneanimalhospital@gmail.com
Company: Market Lane Animal Hospital	Phone: 9058566770
Name:	Fax: 9058566493

<b>1</b>	<b>Animal ID:</b> Malcom <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Male <b>Age:</b> 2y
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**OP - Ova & Parasites**
**Parasitology**

Description	Result	Description	Result
Coccidia	None seen	Trichomonas	None seen
Oocysts	None seen	Eggs	None seen
Giardia	None seen	Worms	None seen
Cysts	None seen		

**Notes:**

If Ova and Parasite tests are negative and the animal still has diarrhea, we recommend doing the Canine Infectious Diarrhea Profile (DNA profile, code:CP18) or Feline Infectious Diarrhea Profile (DNA profile, code:FP16)