

THE INTERNATIONAL CAT ASSOCIATION

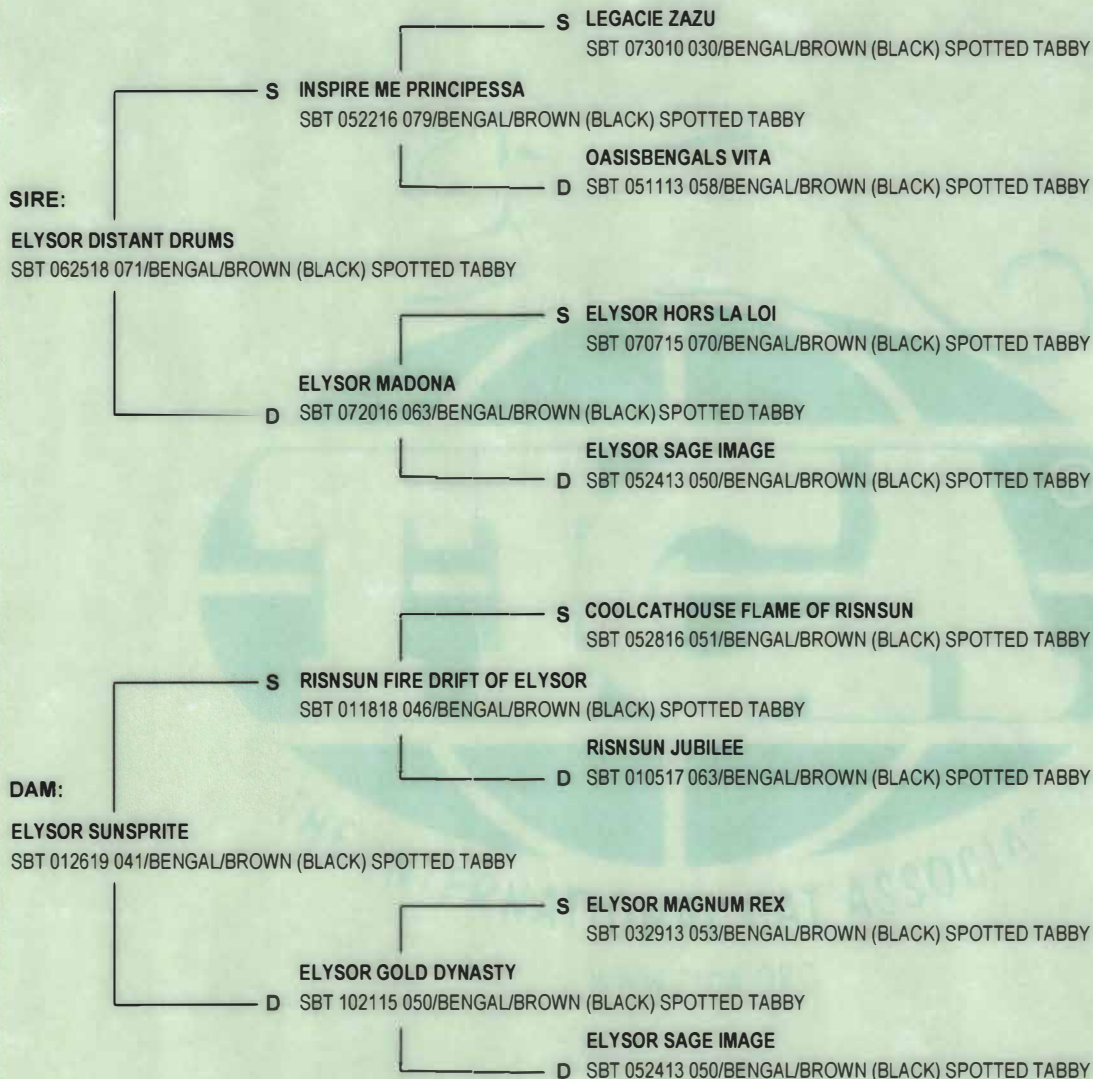
CERTIFIED PEDIGREE

Name of Cat: ELYSOR MALCOLM OF MANDYSBENGALS
Date of Birth: 01/25/2020 Breed: BENGAL (BG)
TICA Number: SBT 012520 042 Color: BROWN (BLACK) SPOTTED TABBY
Eye Color: GOLD Sex: MALE 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

First Name
Kris

Last Name
Simpson

Pet Info

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 ^{Pb}	0	No effect
Solid color (Non-Agouti)	ASIP	a	1	Agouti (banded) hair
Partial and Full White	FERV1	W or w ^s	0	No effect
Gloving (Birman cat - White Gloves)	KIT	w ^g	0	No effect
Amber (Discovered in Norwegian Forest Cat)	MC1R	e	0	No effect
Russet (Discovered in Burmese cats)	MC1R	e ^r	0	No effect
Dilution	MLPH	d	1	Dilution carrier
Albinism (Discovered in Oriental breeds)	TYR	c ^a	0	No effect
Colorpoint (Discovered in Burmese cats)	TYR	c ^b	0	No effect
Colorpoint (Discovered in Siamese cats)	TYR	c ^s	0	No effect
Mocha (Discovered in Burmese cats)	TYR	c ^m	0	No effect
Chocolate	TYRP	b	0	No effect
Cinnamon	TYRP	b ^l	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 ^{Ca}	0	No effect

DNA Test Report

Coat Type (continued)

Genetic Trait	Gene	Variant	Copies	Result
Lykoi coat (Mutation VA)	HR	hr ^{VA}	0	No effect
Hairlessness (Discovered in Sphynx cats)	KRT71	re ^{hr}	0	No effect
Rexing (Discovered in Devon Rex)	KRT71	re ^{dr}	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

LABORATORY REPORT #596345

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

1	Animal ID: Malcolm Owner: Simpson Breed: Bengal		Species: Feline Sex: Male Age: 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 #562425

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

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

Sample	Description	Result	Flag	Ranges	Units
Blood	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

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

Sample	Description	Result	Flag	Ranges	Units
Feces	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 #558584

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

1	Animal ID: Malcom Owner: Simpson Breed: Bengal		Species: Feline Sex: Male Age: 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)