



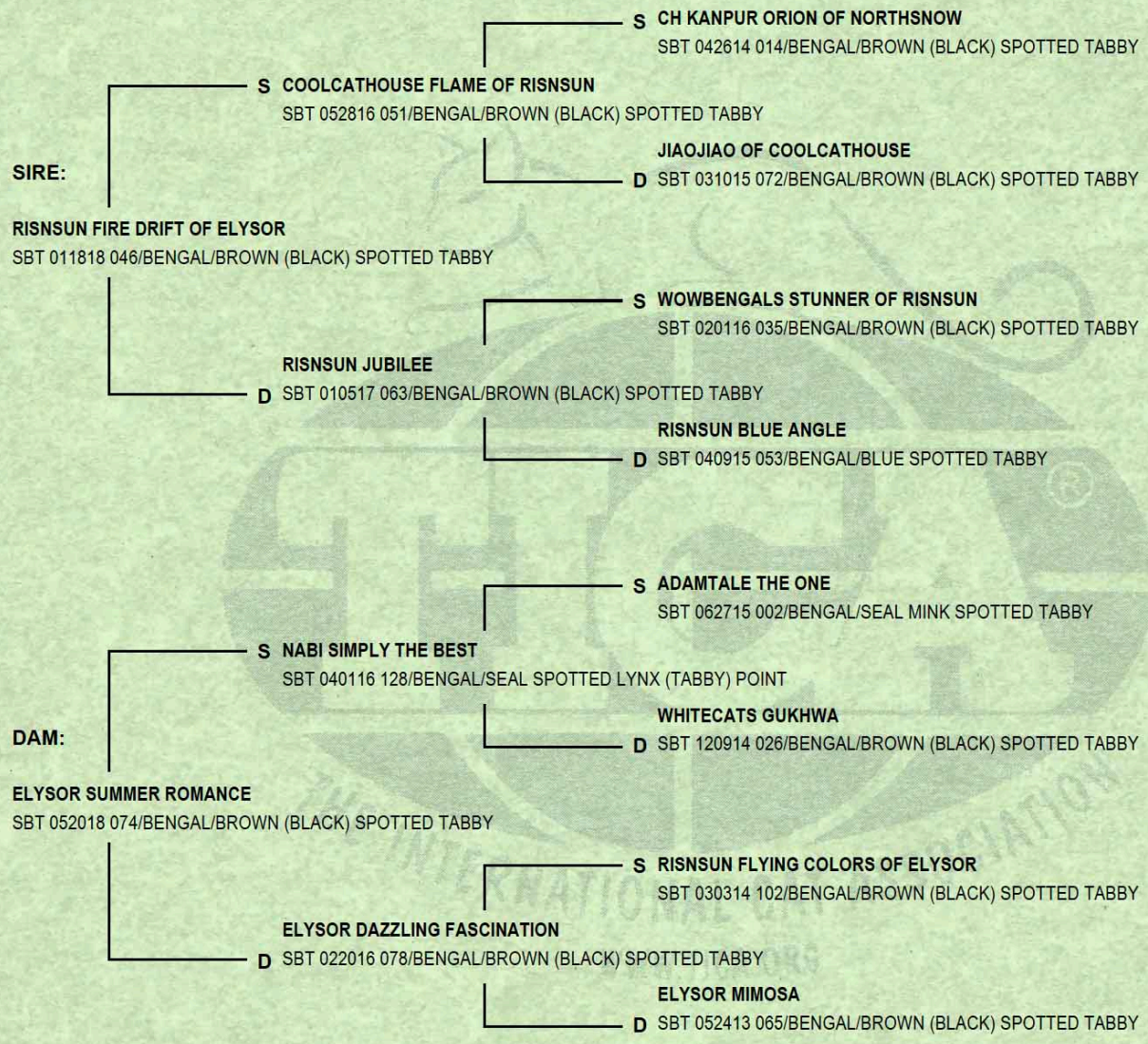
# THE INTERNATIONAL CAT ASSOCIATION CERTIFIED PEDIGREE

Name of Cat: ELYSOR LOLA OF MANDYSBENGALS Date: 09/14/2020  
 Date of Birth: 04/14/2020 Breed: BENGAL (BG)  
 TICA Number: SBT 041420 083 Color: BROWN (BLACK) SPOTTED TABBY  
 Eye Color: GOLD Sex: FEMALE Microchip: 900001898033787

**PARENTS**

**GRANDPARENTS**

**GREAT GRANDPARENTS**



Breeder: ELENA BOLOZAN  
 Owner: AMANDA /KRIS SIMPSON

*Frances Cardona*  
 Executive Secretary





Lola Simpson  
Registration: SBT 041420 083  
Breed: Bengal

Sample ID: FBJPZKX  
Test Date: 2/9/2021  
Optimal Selection - Feline

# DNA Test Report

## Owner Info

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**First Name**

Kris

**Last Name**

Simpson

## Pet Info

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**Registered Name**

Lola Simpson

**Date of Birth**

4/14/2020

**Nickname (Call Name)**

Lola Simpson

**Sample ID**

FBJPZKX

**Sex**

Female

**Registration**

SBT 041420 083

**Country of Origin**

CA

**Microchip ID**

90001898033787

**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 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
Mucopolysaccharidosis VII	USB	C>T	0	Clear

# DNA Test Report

## Other Conditions Tested (continued)

Genetic Condition	Gene	Risk Variant	Copies	Result
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
Factor XII Deficiency (Variant 1)	F12	Deletion	—	Inconclusive

# 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	0	Agouti (banded) hair
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>	1	<b>Siamese colorpoint carrier</b>
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	—	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



**Submission Date:** 2022-03-03  
**Report Date:** 2022-03-04

**LABORATORY REPORT #574877**

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

<b>1</b>	<b>Animal ID:</b> Lola	<b>Species:</b> Feline
	<b>Owner:</b> Simpson	<b>Sex:</b> Female
	<b>Breed:</b> Bengal	<b>Age:</b> 22m

**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 #560377

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

<b>1</b>	<b>Animal ID:</b> Lola <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Female <b>Age:</b> 18m
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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 #510344

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

<b>1</b>	<b>Animal ID:</b> Lola <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Female <b>Age:</b> 5m
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**FP16 - Feline Infectious Diarrhea Profile**

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

## LABORATORY REPORT #575123

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

<b>1</b>	<b>Animal ID:</b> Lola <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Female <b>Age:</b> 22m
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### FP26E - FIV/FelV Profile (ELISA)

Sample	Description	Result	Flag	Ranges	Units
Blood	D341E - Feline Leukemia virus (ELISA)	Negative			
	D335E - Feline Immunodeficiency virus (ELISA)	Negative <sup>1</sup>			

### RESULT INTERPRETATIONS

1 - FIV Result Interpretation.

Negative result may indicate: no FIV infection or FIV infection but inadequate time for seroconversion. Cats with potential exposure that test negative should be retested at least 3 or 4 months later. Kittens tested prior to 6 months old should be tested after 6 months whether their first test was positive or negative.