



THE INTERNATIONAL CAT ASSOCIATION

CERTIFIED PEDIGREE

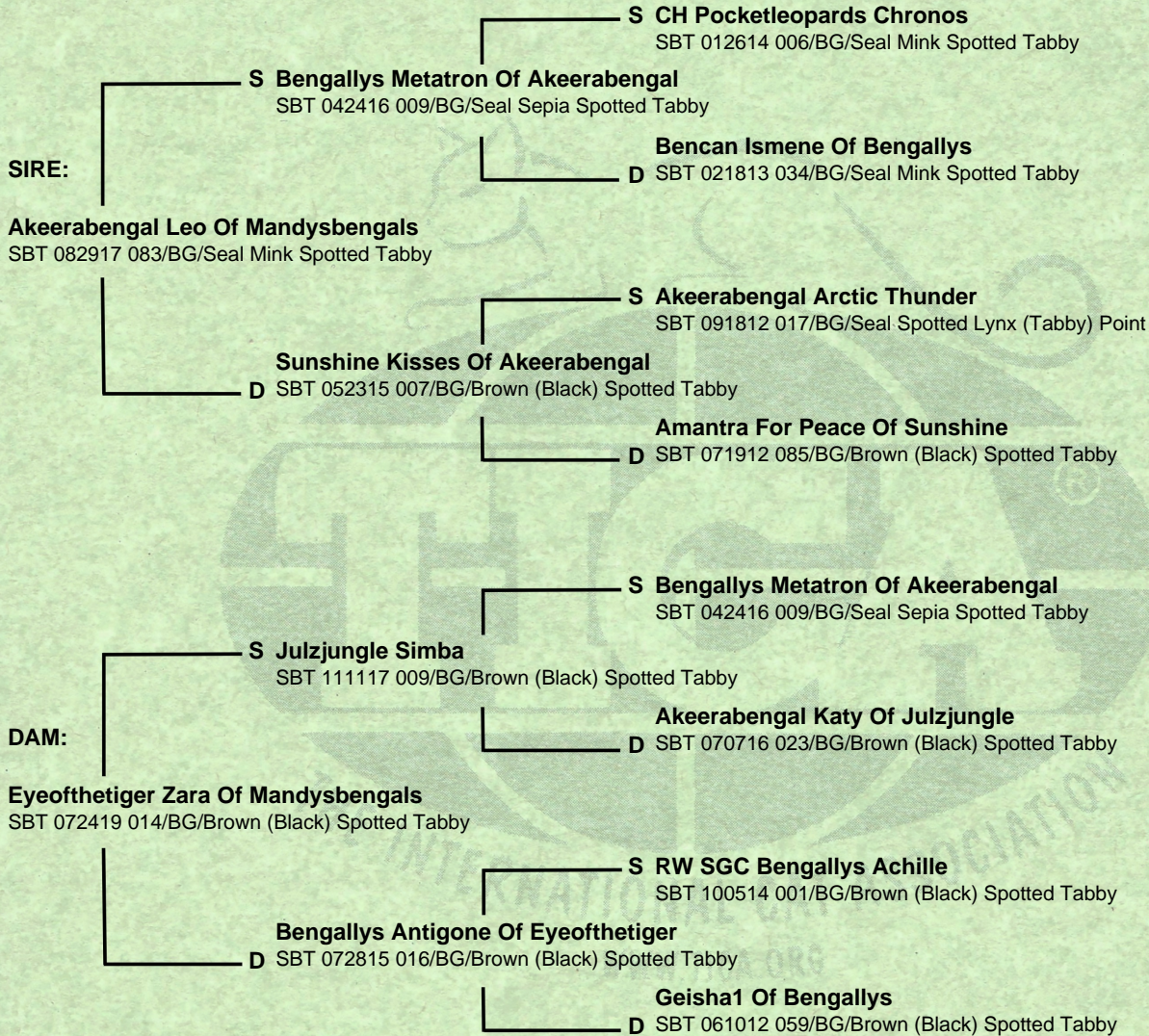
Name of Cat: Mandysbengals Cherie
 Date of Birth: 03/26/2022 Breed: Bengal (BG)
 TICA Number: SBT 032622 128 Color: Seal Mink
 Eye Color: Aqua Gender: Female

Printed: 2/23/2023

PARENTS

GRANDPARENTS

GREAT GRANDPARENTS



Breeder: Kris Simpson / Amanda Simpson

Owner: Kris Simpson

Frances Cardona
Executive Secretary



Cherie
Registration: N/A
Breed: Bengal

Sample ID: FWCPDNQ
Test Date: 2/22/2023
Optimal Selection - Feline

DNA Test Report

Owner Info

First Name

Kris

Last Name

Simpson

Pet Info

Registered Name

Cherie

Date of Birth

3/26/2022

Nickname (Call Name)

Cherie

Sample ID

FWCPDNQ

Sex

Female

Registration

N/A

Country of Origin

CA

Microchip ID

N/A

Owner Reported Breed

Bengal

Tattoo ID

N/A

Cherie
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DNA Test Report

Genetic Diversity (Heterozygosity)

Cherie's Percentage of Heterozygosity

33%

Cherie's genome analysis shows an average level of genetic heterozygosity when compared with other Bengals.

Typical Range for Bengals

31 - 36%

DNA Test Report

Health Conditions Known in This Breed

Genetic Condition	Gene	Risk Variant	Copies	Result
Progressive Retinal Atrophy (Discovered in the Abyssinian)	CEP290	T>G	0	Clear
Progressive Retinal Atrophy (Discovered in the Bengal)	KIF3B	G>A	0	Clear
Pyruvate Kinase Deficiency	PKLR	G>A	0	Clear

Other Conditions Tested

Genetic Condition	Gene	Risk Variant	Copies	Result
Acute Intermittent Porphyria (Variant 1)	HMBS	Deletion	0	Clear
Acute Intermittent Porphyria (Variant 2)	HMBS	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 the Burmese)	ALX1	Deletion	0	Clear
Chediak-Higashi Syndrome (Discovered in the Persian)	LYST	Insertion	0	Clear
Congenital Adrenal Hyperplasia	CYP11B1	G>A	0	Clear
Congenital Erythropoietic Porphyria	UROS	G>A	0	Clear
Congenital Myasthenic Syndrome (Discovered in the 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 Hypokalemic Polymyopathy (Discovered in the Burmese)	WNK4	C>T	0	Clear
Glutaric Aciduria Type II	ETFDH	T>G	0	Clear
Glycogen Storage Disease (Discovered in the 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 Domestic Shorthair cats)	HEXB	Insertion	0	Clear
GM2 Gangliosidosis Type II (Discovered in Japanese domestic cats)	HEXB	C>T	0	Clear
GM2 Gangliosidosis Type II (Discovered in the Burmese)	HEXB	O>O	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 (Discovered in the Maine Coon)	MYBPC	G>C	0	Clear
Hypertrophic Cardiomyopathy (Discovered in the Ragdoll)	MYBPC	C>T	0	Clear
Hypotrichosis (Discovered in the Birman)	FOXN1	Deletion	0	Clear
Lipoprotein Lipase Deficiency	LPL	G>A	0	Clear
MDR1 Medication Sensitivity	ABCB1	Deletion	0	Clear
Mucopolysaccharidosis Type I	IDUA	Deletion	0	Clear
Mucopolysaccharidosis Type VI	ARSB	T>C	0	Clear
Mucopolysaccharidosis Type VI Modifier	ARSB	G>A	0	Clear
Mucopolysaccharidosis Type VII (Variant 1)	GUSB	G>A	0	Clear

DNA Test Report

Other Conditions Tested (continued)

Genetic Condition	Gene	Risk Variant	Copies	Result
Mucopolysaccharidosis Type VII (Variant 2)	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 the Persian)	AIPL1	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 the Maine Coon)	LIX1	Deletion	0	Clear
Vitamin D-Dependent Rickets	CYP27B1	G>T	0	Clear

Cherie
Registration: N/A
Breed: Bengal

Sample ID: FWCPDNQ
Test Date: 2/22/2023
Optimal Selection - Feline

DNA Test Report

Blood Type

Blood Type

A
(Most common)

Genotype

A/c
(Carrier for Blood Type AB)

Transfusion Risk

Moderate

Cherie has the most common blood type. She can be transfused with Type A blood.

Breeding Risk

Low

If breeding, Cherie has a low risk of blood type incompatibility with nursing kittens.

Variant Tested

Description

Copies

b variant 1

(Common b variant)

0

b variant 2

(Discovered in Turkish breeds)

0

b variant 3

(Discovered in Ragdolls)

0

c variant - Causes AB Blood Type

(Discovered in Ragdolls)

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DNA Test Report

Coat Color

Genetic Trait	Gene	Variant	Copies	Result
Charcoal (Discovered in the Bengal)	ASIP	A ^{Pb}	0	No effect
Solid Color	ASIP	a	0	Banded hairs, tabby patterns likely
Gloving (Discovered in the Birman)	KIT	w ^g	0	No effect
Partial and Full White	KIT	W or w ^s	0	No effect
Amber (Discovered in the Norwegian Forest Cat)	MC1R	e	0	No effect
Russet (Discovered in the Burmese)	MC1R	e ^r	0	No effect
Dilution	MLPH	d	0	No effect
Albinism (Discovered in Oriental breeds)	TYR	c ^a	0	No effect
Colorpoint (Discovered in the Burmese)	TYR	c ^b	1	Colorpoints possible
Colorpoint (Discovered in the Siamese)	TYR	c ^s	1	Colorpoints possible
Mocha (Discovered in the Burmese)	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 (Discovered in many breeds)	FGF5	M4	0	No effect
Long Hair (Discovered in the Norwegian Forest Cat)	FGF5	M2	0	No effect
Long Hair (Discovered in the Ragdoll and Maine Coon)	FGF5	M3	0	No effect
Long Hair (Discovered in the Ragdoll)	FGF5	M1	0	No effect
Lykoi Coat (Variant 1)	HR	hr ^{Ca}	0	No effect
Lykoi Coat (Variant 2)	HR	hr ^{VA}	0	No effect

DNA Test Report

Coat Type (continued)

Genetic Trait	Gene	Variant	Copies	Result
Hairlessness (Discovered in the Sphynx)	KRT71	re ^{hr}	0	No effect
Rexing (Discovered in the Devon Rex)	KRT71	re ^{dr}	0	No effect
Rexing (Discovered in the Cornish Rex and German Rex)	LPAR6	r	0	No effect
Glitter	Pending	gl	1	No effect

Tail Length

Genetic Trait	Gene	Variant	Copies	Result
Short Tail (Variant 3)	HES7	jb	0	No effect
Short Tail (Variant 1)	T	C1199del	0	No effect
Short Tail (Variant 2)	T	T988del	0	No effect

Extra Toes

Genetic Trait	Gene	Variant	Copies	Result
Polydactyly (Variant 1)	LIMBR1	HW	0	No effect
Polydactyly (Variant 2)	LIMBR1	UK1	0	No effect
Polydactyly (Variant 3)	LIMBR1	UK2	0	No effect

Patient Info:

Name: Cherie (Zara Kitten) **Species:**Feline
Record No: 12029 **Breed:** Bengal
Owner: Simpson, Kris **Age:** 2Y
Doctor: Mina Naseem DVM **Sex:** F

Hospital:

Market Lane Animal Hospital Prof.
 140 Woodbridge Ave., Unit CL2
 Woodbridge, ON L4L 4K9

Accession No.	Doctor	Owner	Patient Name		
MIAB17604812	Mina Naseem DVM	Simpson, Kris	Cherie (Zara Kitten)		
Test	Results	Adult ReferenceRange	L	Normal	H
Keyscreen GI Parasite PCR Pane				Date given: 12-06-24 T8:39a	
Ancylostoma spp.	Undetected				
A. caninum resistance marker	Undetected				
Uncinaria stenocephala	Undetected				
Toxocara spp.	Undetected				
Toxocara canis	Undetected				
Toxocara cati	Undetected				
Toxascaris leonina	Undetected				
Baylisascaris procyonis	Undetected				
Trichuris spp.	Undetected				
Giardia duodenalis	Undetected				
Giardia Zoonotic	Undetected				
Cryptosporidium canis	Undetected				
Cryptosporidium felis	Undetected				
Cystoisospora spp.	Undetected				
Eimeria spp.	Undetected				
Dipylidium caninum	Undetected				
Echinococcus multilocularis	Undetected				
Echinococcus granulosus	Undetected				
Taenia spp.	Undetected				
Tritrichomonas blagburni/foetus	Undetected				
Toxoplasma gondii	Undetected				
Neospora caninum	Undetected				

Comment

Accession No.	Doctor	Owner	Patient Name		
MIAB17604812	Mina Naseem DVM	Simpson, Kris	Cherie (Zara Kitten)		
Test	Results	Adult ReferenceRange	L	Normal	H

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 #593946

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

1	Animal ID: Cherie Owner: Simpson Breed: Bengal	Species: Feline Sex: Female Age: 14w
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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 #655390

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

1	Animal ID: Cherie Owner: Simpson Breed: Bengal		Species: Feline Sex: Female Age: 23m
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FP26 - Feline Pro-Active Screening (FIV/FeLV) (DNA)

Sample	Description	Result	Flag	Ranges	Units
Blood	D335 - Feline Immunodeficiency virus (DNA)	Negative			
	D341 - Feline Leukemia virus (DNA)	Negative			

LABORATORY REPORT #605938

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

1	Animal ID: Cherie Owner: Simpson Breed: Bengal		Species: Feline Sex: Female Age: 7m
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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)