THE INTERNATIONAL CAT ASSOCIATION
CERTIFIED PEDIGREE

Name of Cat: BENGALLYS ELECTRE OF MANDYSBENGALS
Date of Birth: 10/20/2020
TICA Number: SBT 102020 003
Eye Color: GREEN
Breed: BENGAL (BG)
Color: BROWN (BLACK) SPOTTED TABBY
Sex: FEMALE
Date: 03/09/2021

PARENTS | **GRANDPARENTS** | **GREAT GRANDPARENTS**

SIRE:
RW QGC BENGALLEOPARD MORPHE OF BENGALLYS
SBT 102418 019/BENGAL/BROWN (BLACK) SPOTTED TABBY

- S **WMBENGALS SKY OF BENGALLEOPARD**
  SBT 032517 057/BENGAL/SEAL SPOTTED LYNX (TABBY) POINT
  - S **QUEENPALM LEX PARSIMONIAE**
    SBT 031416 023/BENGAL/SEAL MINK SPOTTED TABBY
  - D **LASTERDAY PAINT IT BLACK**
    SBT 032815 027/BENGAL/BROWN (BLACK) SPOTTED TABBY
- D **BENGALLEOPARD MIMOSA**
  SBT 090217 008/BENGAL/BROWN (BLACK) SPOTTED TABBY
  - S **RW QGC WOWBENGALS BRAVE OF BENGALLEOPARD**
    SBT 020116 025/BENGAL/BROWN (BLACK) SPOTTED TABBY
  - D **ELYSOR ANGELIQUE OF BENGALLEOPARD**
    SBT 080416 021/BENGAL/BROWN (BLACK) SPOTTED TABBY

DAM:
BENGALLYS THALASSA
SBT 112218 001/BENGAL/SEAL MINK SPOTTED TABBY

- S **CH KHALEESYBENGAL ATLAS OF BENGALLYS**
  SBT 041817 022/BENGAL/BROWN (BLACK) SPOTTED TABBY
  - S **BENGALLYS OTHELLO OF KHALEESYBENGAL**
    SBT 011515 005/BENGAL/SEAL SPOTTED LYNX (TABBY) POINT
  - D **KINGDOMBENGAL SHELBY**
    SBT 090813 035/BENGAL/BROWN (BLACK) SPOTTED TABBY
- D **AKEERABENGAL XENA OF BENGALLYS**
  SBT 082917 004/BENGAL/BROWN (BLACK) SPOTTED TABBY
  - S **BENGALLYS METATRON OF AKEERABENGAL**
    SBT 042416 009/BENGAL/SEAL SEPIA SPOTTED TABBY
  - D **SUNSHINE KISSES OF AKEERABENGAL**
    SBT 052315 007/BENGAL/BROWN (BLACK) SPOTTED TABBY

Breeder: ALEXANDRE LEVEILLE
Owner: KRIS/MANDY SIMPSON

Frances Cardona
Executive Secretary

WISDOM PANEL™

DNA Test Report

Owner Info

First Name
Kris

Last Name
Simpson

Pet Info

Registered Name
Kona-Electre

Date of Birth
10/20/2020

Nickname (Call Name)
Kona-Electre

Sample ID
FNHDJZS

Sex
Female

Registration
SBT 102020 003

Country of Origin
CA

Microchip ID
939000007323780

Owner Reported Breed
Bengal

Tattoo ID
N/A

Genetic Diversity (Heterozygosity)

Kona-Electre's Percentage of Heterozygosity

33%

Kona-Electre'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

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	0>0	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

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

Blood Type

Blood Type

A

(Most common)

Genotype

A/A

Transfusion Risk

Moderate

Kona-Electre has the most common blood type. She can be transfused with Type A blood.

Breeding Risk

Low

If breeding, Kona-Electre 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)	0

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**	**1**	**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}	0	No effect
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

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

HealthGene
Molecular Diagnostic and Research Center
Phone: 1-877-371-1551; Web: www.healthgene.com

Submission Date: 2021-03-03
Report Date: 2021-03-05

LABORATORY REPORT #528285

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

(2)

Animal ID:	Kona	**Species:**	Feline
Owner:	Simpson	**Sex:**	Female
Breed:	Bengal	**Age:**	19w

FP16 - Feline Infectious Diarrhea Profile

Sample	Description	Result	Flag	Ranges	Units
Feces	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			

RESULT INTERPRETATIONS

1 - Positive DNA test result confirms Mycoplasma infection. To confirm the success of the treatment, please resubmit a new sample for the individual test in two weeks after treatment.