



# THE INTERNATIONAL CAT ASSOCIATION

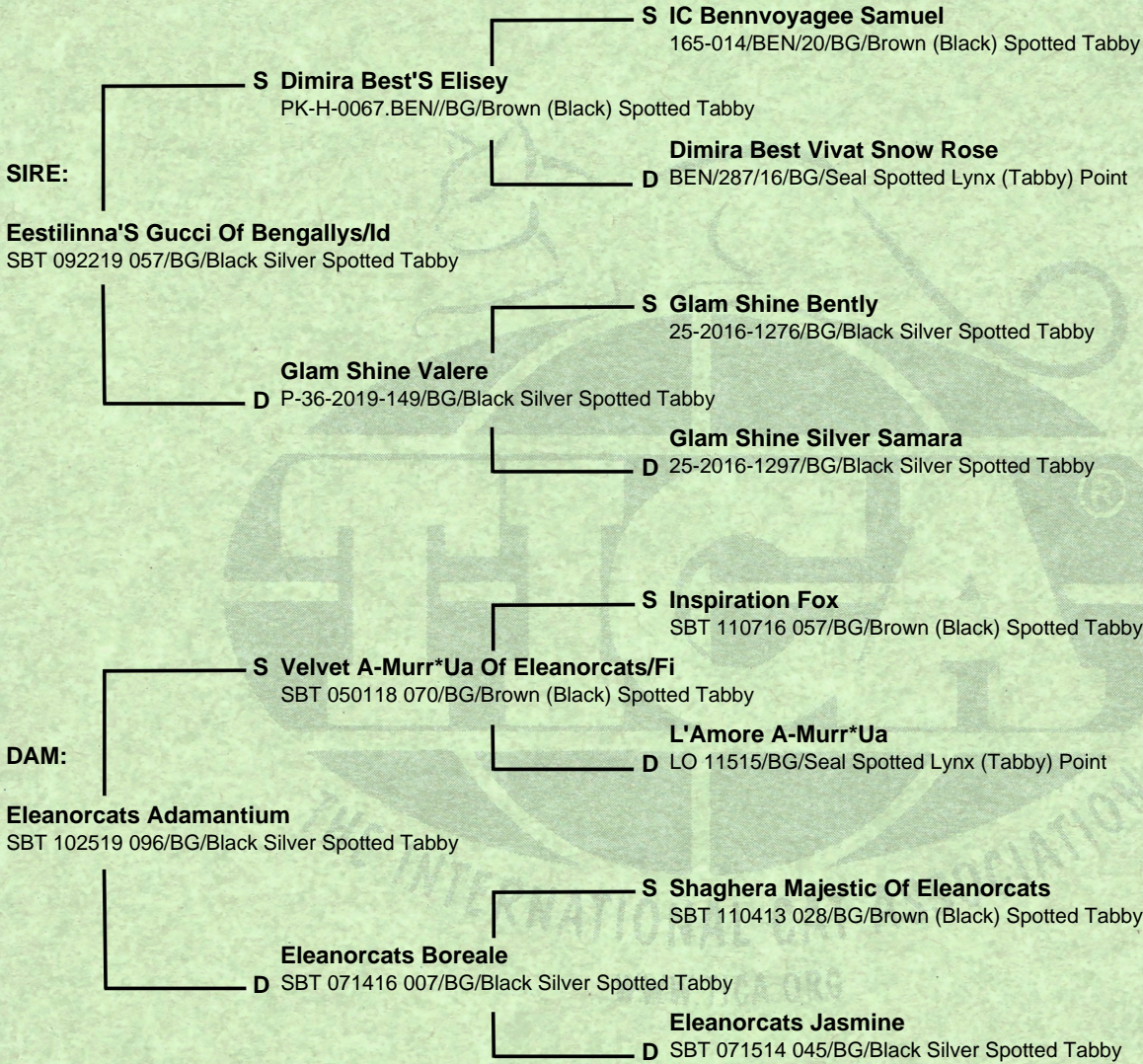
## CERTIFIED PEDIGREE

Name of Cat: Eleanorcats Arizia Of Mandysbengals Printed: 11/24/2021  
 Date of Birth: 02/02/2021 Breed: Bengal (BG)  
 TICA Number: SBT 020221 107 Color: Black Silver Charcoal Spotted Tabby  
 Eye Color: Gold Gender: F Microchip: 939000007323844

**PARENTS**

**GRANDPARENTS**

**GREAT GRANDPARENTS**



Breeder: Sophie Boissonneault  
 Owner: Amanda/Kris Simpson

*Frances Cardona*  
 Executive Secretary



Aritzia  
Registration: SBT 020221107  
Breed: Bengal

Sample ID: FWHTJSB  
Test Date: 9/28/2021  
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**

Aritzia

**Date of Birth**

2/2/2021

**Nickname (Call Name)**

Aritzia

**Sample ID**

FWHTJSB

**Sex**

Female

**Registration**

SBT 020221107

**Country of Origin**

CA

**Microchip ID**

939000007323844

**Owner Reported Breed**

Bengal

**Tattoo ID**

N/A

# DNA Test Report

## Genetic Diversity (Heterozygosity)

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**Aritzia's Percentage of Heterozygosity**

32%

Aritzia'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

# DNA Test Report

## Blood Type

### Blood Type

AB  
(Very rare)

### Genotype

b/c  
(Carrier for Blood Type B)

### Transfusion Risk

Low  
Aritzia has a rare blood type. She can be transfused with Type A or Type AB blood.

### Breeding Risk

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

### Variant Tested

### Description

### Copies

b variant 1	(Common b variant)	1
b variant 2	(Discovered in Turkish breeds)	0
b variant 3	(Discovered in Ragdolls)	0
c variant - Causes AB Blood Type	(Discovered in Ragdolls)	1

# DNA Test Report

## Coat Color

Genetic Trait	Gene	Variant	Copies	Result
Charcoal (Discovered in the Bengal)	ASIP	A <sup>Pb</sup>	1	<b>Charcoal coat color possible</b>
Solid Color	ASIP	a	1	<b>Banded hairs, tabby patterns likely</b>
Gloving (Discovered in the Birman)	KIT	w <sup>g</sup>	0	No effect
Partial and Full White	KIT	W or w <sup>s</sup>	0	No effect
Amber (Discovered in the Norwegian Forest Cat)	MC1R	e	0	No effect
Russet (Discovered in the Burmese)	MC1R	e <sup>r</sup>	0	No effect
Dilution	MLPH	d	0	No effect
Albinism (Discovered in Oriental breeds)	TYR	c <sup>a</sup>	0	No effect
Colorpoint (Discovered in the Burmese)	TYR	c <sup>b</sup>	1	<b>Colorpoints possible</b>
Colorpoint (Discovered in the Siamese)	TYR	c <sup>s</sup>	0	No effect
Mocha (Discovered in the Burmese)	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 (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 <sup>Ca</sup>	0	No effect
Lykoi Coat (Variant 2)	HR	hr <sup>VA</sup>	0	No effect



# DNA Test Report

## Coat Type (continued)

Genetic Trait	Gene	Variant	Copies	Result
Hairlessness (Discovered in the Sphynx)	KRT71	re <sup>hr</sup>	0	No effect
Rexing (Discovered in the Devon Rex)	KRT71	re <sup>dr</sup>	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

## LABORATORY REPORT #595549

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

<b>1</b>	<b>Animal ID:</b> Arizia <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Female <b>Age:</b> 17m
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### FP26E - FIV/FelV Profile (ELISA)

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

### 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.

## LABORATORY REPORT #562324

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

<b>1</b>	<b>Animal ID:</b> Arित्रizia <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Female <b>Age:</b> 9m
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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 #545138

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

<b>1</b>	<b>Animal ID:</b> Arित्रizia <b>Owner:</b> Simpson <b>Breed:</b> Bengal		<b>Species:</b> Feline <b>Sex:</b> Female <b>Age:</b> 17w
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**FP16-OP - Feline Infectious Diarrhea Profile + OP**

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

**Parasitology**

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