

THE INTERNATIONAL CAT ASSOCIATION CERTIFIED PEDIGREE

Name of Cat: MANDYSBENGALS PETUNIA

Date: 04/16/2021

Date of Birth: 01/24/2021

Breed: BENGAL (BG)

TICA Number: SBT 012421 027

Color: SEAL CHARCOAL SPOTTED LYNX (TABBY) POINT

Eye Color: BLUE

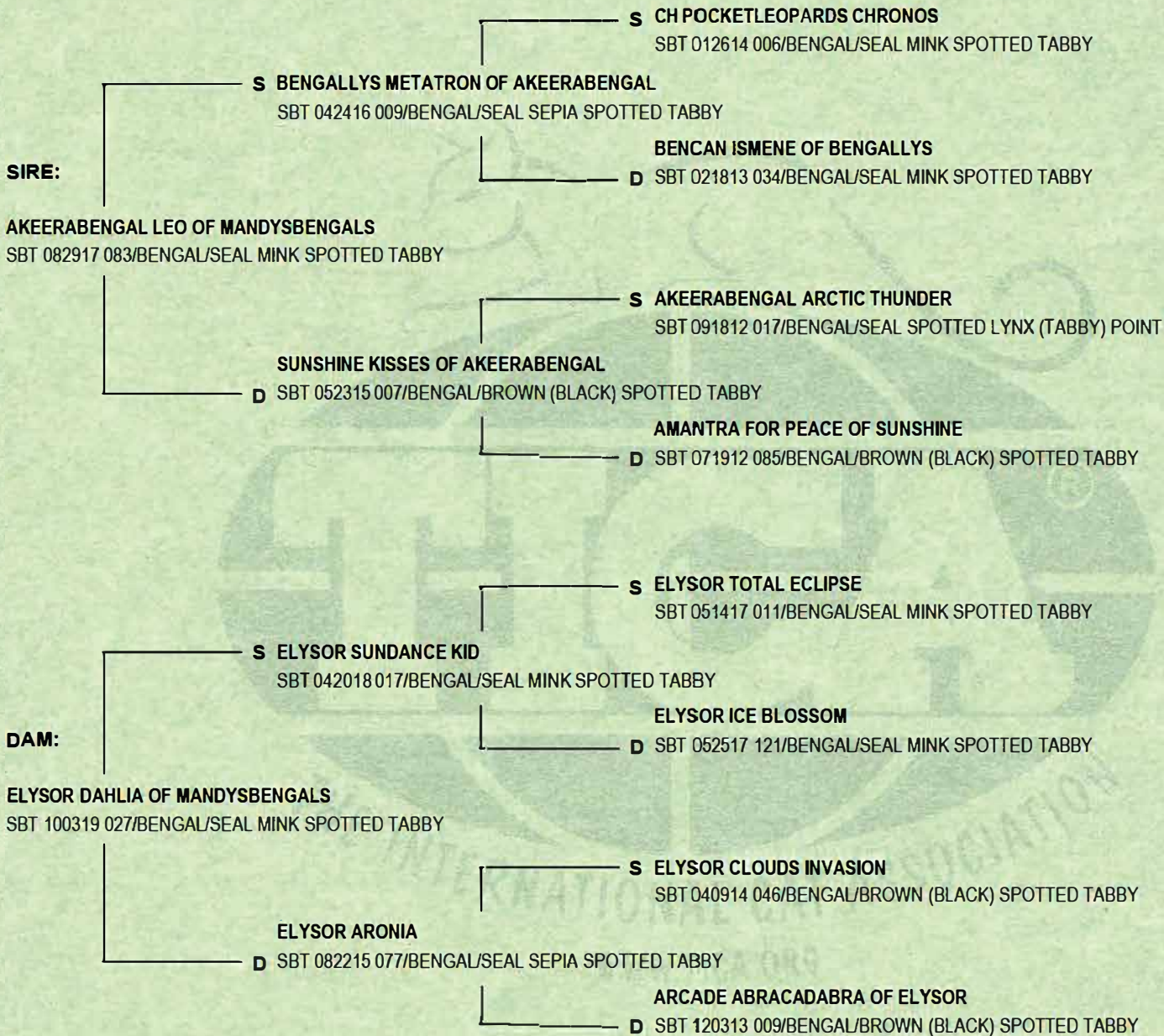
Sex: FEMALE

Microchip: 982091064896070

PARENTS

GRANDPARENTS

GREAT GRANDPARENTS



Breeder: AMANDA /KRIS SIMPSON

Owner: KRIS SIMPSON/AMANDA

Frances Cardona
Executive Secretary

Petunia
Registration: SBT 012421 027
Breed: Bengal

Sample ID: FKRRGMX
Test Date: 9/28/2021
Optimal Selection - Feline

DNA Test Report

Owner Info

First Name

Kris

Last Name

Simpson

Pet Info

Registered Name

Petunia

Date of Birth

1/24/2021

Nickname (Call Name)

Petunia

Sample ID

FKRRGMX

Sex

Female

Registration

SBT 012421 027

Country of Origin

CA

Microchip ID

982091064896070

Owner Reported Breed

Bengal

Tattoo ID

N/A

DNA Test Report

Genetic Diversity (Heterozygosity)

Petunia's Percentage of Heterozygosity

33%

Petunia'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

A
(Most common)

Genotype

A/A

Transfusion Risk

Moderate

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

Breeding Risk

Low

If breeding, Petunia 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

DNA Test Report

Coat Color

| Genetic Trait | Gene | Variant | Copies | Result |
|--|------|---------------------|--------|--|
| Charcoal (Discovered in the Bengal) | ASIP | A ^{Pb} | 2 | Agouti (tabby) patterns likely |
| 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 | 0 | No effect |
| Colorpoint (Discovered in the Siamese) | TYR | c ^s | 2 | Siamese colorpoint pattern likely |
| 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 |



Submission Date: 2022-08-03
Report Date: 2022-08-04

LABORATORY REPORT #597044

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

| | | |
|----------|---------------------------|------------------------|
| 1 | Animal ID: Petunia | Species: Feline |
| | Owner: Simpson | Sex: Female |
| | Breed: Bengal | Age: 18m |

FP26E - FIV/FeLV Profile (ELISA)

| Sample | Description | Result | Flag | Ranges | Units |
|--------|---|-----------------------|------|--------|-------|
| Blood | D335E - Feline Immunodeficiency virus (ELISA) | Negative ¹ | | | |
| | 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.



Submission Date: 2022-06-20
Report Date: 2022-06-21

LABORATORY REPORT #592207

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

| | |
|---|--|
| <p>① Animal ID: Petunia Owner: Simpson Breed: Bengal</p> | <p>Species: Feline Sex: Female Age: 17w</p> |
|---|--|

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)



Submission Date: 2022-04-27
Report Date: 2022-04-27

LABORATORY REPORT #583649

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

| | | | |
|----------|--|--|---|
| 1 | Animal ID: Petunia Owner: Simpson Breed: Bengal | | Species: Feline Sex: Female Age: 15m |
|----------|--|--|---|

OPGE - Ova & Parasites & Giardia (ELISA)

| Sample | Description | Result | Flag | Ranges | Units |
|--------|----------------------------|----------|------|--------|-------|
| Feces | D405E - Giardia Ag (ELISA) | Negative | | | |

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 | | |

LABORATORY REPORT #573866

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

| | | | |
|----------|--|--|---|
| 1 | Animal ID: Petunia Owner: Simpson Breed: Bengal | | Species: Feline Sex: Female Age: 13m |
|----------|--|--|---|

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 #562683

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

| | | | |
|----------|--|--|--|
| 1 | Animal ID: Petunia Owner: Simpson Breed: Bengal | | Species: Feline Sex: Female Age: 9m |
|----------|--|--|--|

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)