

Baxter "Loki"  
Registration: SBT082522013  
Breed: Maine Coon  
Microchip Number: N/A

Sample ID: FCNSHYJ  
Test Date: 5/23/2024  
Optimal Selection - Feline

# DNA Test Report

## Owner Info

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**First Name**

Deb

**Last Name**

Raymond

## Pet Info

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**Registered Name**

Baxter "Loki"

**Date of Birth**

8/1/2022

**Nickname (Call Name)**

Baxter "Loki"

**Sample ID**

FCNSHYJ

**Sex**

Male

**Registration**

SBT082522013

**Country of Origin**

US

**Microchip ID**

N/A

**Owner Reported Breed**

Maine Coon

**Tattoo ID**

N/A

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## Blood Type

### Blood Type

A  
(Most common)

### Genotype

A/b  
(Carrier for Blood Type B)

### Transfusion Risk

Moderate

Baxter "Loki" has the most common blood type. He can be transfused with Type A blood.

### Breeding Risk

Low

If breeding, Baxter "Loki" 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)

0

# DNA Test Report

## Coat Color

Genetic Trait	Gene	Variant	Copies	Result
Charcoal (Discovered in the Bengal)	ASIP	A <sup>Pb</sup>	0	No effect
Solid Color	ASIP	a	1	<b>Banded hairs, tabby patterns likely</b>
Gloving (Discovered in the Birman)	KIT	w <sup>g</sup>	1	<b>No effect</b>
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>	0	No effect
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
Glitter	Confidential	—	0	No effect
Long Hair (Discovered in many breeds)	FGF5	M4	2	<b>Long coat likely</b>
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

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## Coat Type (continued)

Genetic Trait	Gene	Variant	Copies	Result
Lykoi Coat (Variant 2)	HR	hr <sup>VA</sup>	0	No effect
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

## 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