



VETERINARY GENETICS LABORATORY  
SCHOOL OF VETERINARY MEDICINE  
ONE SHIELDS AVENUE  
DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211  
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## PK DEFICIENCY AND IDENTITY MARKER REPORT

TERI MATZKIN 3813 4TH ST. N. ARLINGTON, VA 22203	<b>Case:</b> <b>CAT94359</b> <b>Date Received:</b> 20-Apr-2017 <b>Print Date:</b> 21-Apr-2017 <b>Report ID:</b> 6433-2688-3172-7140 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Cat:</b> SHERLYNX LIKE A TIGER OF SARAJEN/WC <b>DOB:</b> 11/20/2016 <b>Sex:</b> Male <b>Breed:</b> Maine Coon <b>Color:</b> Brown Mackerel Tabby	<b>Reg:</b> SBT 112016 017
<b>Sire:</b> HONEYDEVIL NEVER MIND <b>Dam:</b> IT*HONEYBEE VICTORIA	<b>Reg:</b> <b>Reg:</b>

## PYRUVATE KINASE DEFICIENCY TEST RESULT

N/N

### Result Codes:

N/N no copies of PK deficiency, cat is normal

N/K 1 copy of PK deficiency, cat is normal but is a carrier

K/K 2 copies of PK deficiency, cat is or will be affected. Severity of symptoms cannot be predicted\*

Erythrocyte Pyruvate Kinase Deficiency (PK deficiency) is an inherited, autosomal recessive, hemolytic anemia. Breedings between carriers will be expected to produce 25% affected kittens. Go to our website for a list of breeds at risk of PK deficiency due to a significant frequency of the mutation.

\*If your cat is diagnosed as homozygous for PK deficiency, we recommend that you contact your veterinarian for information on disease progression and management.

For more information on PK Deficiency test results, please go to:  
[www.vgl.ucdavis.edu/services/pkdeficiency.php](http://www.vgl.ucdavis.edu/services/pkdeficiency.php)

## IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA075	S	FCA220	KL
FCA223	QW	FCA678	J
FCA698	SV		



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## MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

TERI MATZKIN 3813 4TH ST. N. ARLINGTON, VA 22203	<b>Case:</b> <b>CAT94359</b> <b>Date Received:</b> 20-Apr-2017 <b>Print Date:</b> 21-Apr-2017 <b>Report ID:</b> 9727-4353-3348-4131 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Cat:</b> SHERLYNX LIKE A TIGER OF SARAJEN/WC <b>DOB:</b> 11/20/2016 <b>Sex:</b> Male <b>Breed:</b> Maine Coon <b>Color:</b> Brown Mackerel Tabby	<b>Reg:</b> SBT 112016 017
<b>Sire:</b> HONEYDEVIL NEVER MIND <b>Dam:</b> IT*HONEYBEE VICTORIA	<b>Reg:</b> <b>Reg:</b>

### Maine Coon HCM Test Result

N/N

#### Result Codes:

N/N	Normal.
N/HCMmc	One copy of the A31P mutation is present. Cat is 1.8 times more likely to develop HCM than cats without the mutation.
HCMmc/HCMmc	Two copies of the A31P mutation are present. Cat is 18 times more likely to develop HCM than cats without the mutation.

This test only detects the A31P mutation associated with HCM in Maine Coon cats and outcrosses as described by Meurs et al. 2005. The A31P mutation is not the sole cause of HCM in Maine Coons. The other causes are not known at this time.

For more information on Maine Coon HCM test results, please go to:  
[www.vgl.ucdavis.edu/services/cat/MaineCoonHCM.php](http://www.vgl.ucdavis.edu/services/cat/MaineCoonHCM.php)



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## MAINE COON SPINAL MUSCULAR ATROPHY TEST REPORT

TERI MATZKIN 3813 4TH ST. N. ARLINGTON, VA 22203	<b>Case:</b> <b>CAT94359</b> <b>Date Received:</b> 20-Apr-2017 <b>Print Date:</b> 21-Apr-2017 <b>Report ID:</b> 5257-0169-4540-0031 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Cat:</b> SHERLYNX LIKE A TIGER OF SARAJEN/WC <b>DOB:</b> 11/20/2016 <b>Sex:</b> Male <b>Breed:</b> Maine Coon <b>Color:</b> Brown Mackerel Tabby	<b>Reg:</b> SBT 112016 017
<b>Sire:</b> HONEYDEVIL NEVER MIND <b>Dam:</b> IT*HONEYBEE VICTORIA	<b>Reg:</b> <b>Reg:</b>

### SMA Result

N/N

#### Result Codes:

N/N	No copies of SMA are present.
N/S	1 copy of SMA is present. Cat is normal but is a carrier. Breedings between carriers will be expected to produce 25% affected, 50% carriers and 25% normal kittens.
S/S	2 copies of SMA are present, cat is affected.

This test is specific for the mutation associated with SMA in Maine Coon cats and outcrosses.

For more information on SMA test results, please go to:  
[www.vgl.ucdavis.edu/services/cat/SMA.php](http://www.vgl.ucdavis.edu/services/cat/SMA.php)



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**PKD1 AND PERSIAN DERIVED PRA REPORT**

TERI MATZKIN 3813 4TH ST. N. ARLINGTON, VA 22203	<b>Case: CAT94359</b> <b>Date Received: 20-Apr-2017</b> Print Date: 21-Apr-2017 Report ID: 0378-2158-0162-3064 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Cat: SHERLYNX LIKE A TIGER OF SARAJEN/WC</b> DOB: 11/20/2016 Sex: Male Breed: Maine Coon Color: Brown Mackerel Tabby	<b>Reg: SBT 112016 017</b>
Sire: HONEYDEVIL NEVER MIND Dam: IT*HONEYBEE VICTORIA	Reg: Reg:

PKD1 Result	PRA-pd Result
N/N	Not Requested

**PKD1 Result Codes:**

N/P Affected - 1 copy of the PKD1 gene, cat has or will develop PKD. Severity of symptoms cannot be predicted\*

N/N Normal - Does not possess the disease-causing PKD1 gene.

The disease is inherited as an autosomal dominant trait, which means that a heterozygote (N/P) bred to a normal (N/N) will result in approximately half of the offspring being affected and half being normal. There are no observed homozygous affected (P/P), which suggests that the mutation is embryonic lethal.

\*If your cat tests positive for PKD1, we recommend that you contact your veterinarian for information on disease progression and management.

**PRA-pd Result Codes:**

N/N N/N - Normal - no copies of the PRA-pd mutation.

N/PRApd Carrier - 1 copy of the PRA-pd mutation; vision appears normal. Breeding between carriers is expected to produce 25% affected kittens.

PRApd/PRApd Affected - 2 copies of the PRA-pd mutation; cat will go blind.

For more information on PKD1 and PRA-pd test results, please go to:

[www.vgl.ucdavis.edu/services/pckd1.php](http://www.vgl.ucdavis.edu/services/pckd1.php)  
[www.vgl.ucdavis.edu/services/cat/PRApd.php](http://www.vgl.ucdavis.edu/services/cat/PRApd.php)

**IDENTITY MARKERS**

LOCUS	TYPE	LOCUS	TYPE
FCA075	S	FCA220	KL
FCA223	QW	FCA678	J
FCA698	SV		

# DNA ANALYSIS CERTIFICATE

## SHERLYNX LIKE A TIGER OF SARAJEN/WC

**Breed:** Maine Coon  
**Sex:** Male  
**Color:** Brown Mackerel Tabby  
**DOB:** 11/20/2016  
**Reg:** SBT 112016 017  
**Alt. ID:**

**Case:** CAT94359  
**Print Date:** April 21, 2017  
**Report ID:** 0378-2158-0162-3064

**PKD1 Result**

N/N

Does not possess the disease-causing PKD1 gene.

**Identity Panel**

S	K	Q	J	S
F	C	F	F	F
A	A	A	A	A
0	2	2	9	9
5	0	3	8	8
S	L	W	J	V



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