



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

MARIE HARRIMAN 169 CLINTON ROAD ANTRIM, NH 03440	<b>Case:</b> <b>CAT94065</b> <b>Date Received:</b> 10-Apr-2017 <b>Print Date:</b> 12-Apr-2017 <b>Report ID:</b> 4604-2942-1428-0020 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Cat:</b> ATLASTCATS DARLING NIKKI	<b>Reg:</b> SBT 041716 054
<b>DOB:</b> 04/17/2016 <b>Sex:</b> Female <b>Breed:</b> Maine Coon <b>Microchip:</b> 933000120045180 <b>Color:</b> brown mackerel tabby	
<b>Sire:</b> ATLASTCATS LUCKY STRIKE	<b>Reg:</b> SBT 071112 047
<b>Dam:</b> ATLASTCATS ASHLEY	<b>Reg:</b> SBT 071013 110

## 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
<i>FCA075</i>	S	<i>FCA220</i>	IL
<i>FCA223</i>	HX	<i>FCA678</i>	NP
<i>FCA698</i>	TU		



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## MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

MARIE HARRIMAN 169 CLINTON ROAD ANTRIM, NH 03440	<b>Case:</b> <b>CAT94065</b> <b>Date Received:</b> 10-Apr-2017 <b>Print Date:</b> 12-Apr-2017 <b>Report ID:</b> 4082-5936-4827-6002 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<i>Cat:</i> <b>ATLASTCATS DARLING NIKKI</b>	<i>Reg:</i> <b>SBT 041716 054</b>
<i>DOB:</i> <b>04/17/2016</b> <i>Sex:</i> <b>Female</b> <i>Breed:</i> <b>Maine Coon</b> <i>Microchip:</i> <b>933000120045180</b> <i>Color:</i> <b>brown mackerel tabby</b>	
<i>Sire:</i> ATLASTCATS LUCKY STRIKE	<i>Reg:</i> SBT 071112 047
<i>Dam:</i> ATLASTCATS ASHLEY	<i>Reg:</i> SBT 071013 110

### 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

<p>MARIE HARRIMAN 169 CLINTON ROAD ANTRIM, NH 03440</p>	<p><b>Case:</b> <b>CAT94065</b> <b>Date Received:</b> 10-Apr-2017 <b>Print Date:</b> 12-Apr-2017 <b>Report ID:</b> 6466-7345-8972-3046 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a></p>
<p><i>Cat:</i> <b>ATLASTCATS DARLING NIKKI</b> <i>Reg:</i> <b>SBT 041716 054</b> <i>DOB:</i> <b>04/17/2016</b> <i>Sex:</i> <b>Female</b> <i>Breed:</i> <b>Maine Coon</b> <i>Microchip:</i> <b>933000120045180</b> <i>Color:</i> <b>brown mackerel tabby</b></p>	
<p><i>Sire:</i> ATLASTCATS LUCKY STRIKE <i>Reg:</i> SBT 071112 047 <i>Dam:</i> ATLASTCATS ASHLEY <i>Reg:</i> SBT 071013 110</p>	

### 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)