



**PKD1 AND PERSIAN DERIVED PRA TEST REPORT**

<b>Provided Information:</b>		<b>Case:</b>	<b>CAT135639</b>
<b>Name:</b>	<b>GB* OKINANEKO'S PEPER HAROW</b>	<b>Date Received:</b>	29-Sep-2021
<b>Registration:</b>	<b>(GB) FB LO 1-037035</b>	<b>Report Issue Date:</b>	08-Nov-2021
		<b>Report ID:</b>	1449-3573-1751-8171
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>			
<b>DOB: 01/26/2021 Sex: Female Breed: Maine Coon Microchip: 939000007391386 Color: Black Tortie</b>			
<b>Sire:</b>	RAYDUSOLEIL STACKER PENTECOST	<b>Dam:</b>	GB* OKINANEKO'S TIFFANY LA ROUGE
<b>Reg:</b>	(GB) FB LO 1-034255	<b>Reg:</b>	(GB) FB LO 1-032476
<b>Microchip:</b>		<b>Microchip:</b>	

**RESULT**

**INTERPRETATION**

<b>PKD1</b>	<b>N/N</b>
<b>PRA-pd</b>	

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

Not Requested

<p><i>Client/Owner/Agent Information:</i>          GREG STAPLES          1014 SNIDER'S BAY ROAD          GRAVENHURST ONTARIO P1P 1R2          CANADA</p>	<p><b>Case:</b> <b>CAT135639</b>  <i>Date Received:</i> 29-Sep-2021  <i>Report Issue Date:</i> 08-Nov-2021  <i>Report ID:</i> 1449-3573-1751-8171</p> <p>Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>Name:</i> <b>GB* OKINANEKO'S PEPER HAROW</b></p>	

**Additional Information**

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on PKD1 and PRA-pd test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/pkd1.php](http://www.vgl.ucdavis.edu/services/pkd1.php)  
[www.vgl.ucdavis.edu/services/cat/PRApd.php](http://www.vgl.ucdavis.edu/services/cat/PRApd.php)

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

**Report authorized by Dr. Rebecca Bellone, VGL Director**

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# DNA ANALYSIS CERTIFICATE

## GB\* OKINANNEKO'S PEPPER HARROW

**Breed:** Maine Coon  
**Sex:** Female  
**Color:** Black Tortie  
**DOB:** 01/26/2021  
**Reg:** (GB) FB LO 1-037035  
**Alt. ID:** 939000007391386

**Case:** CAT135639  
**Print Date:** November 8, 2021  
**Report ID:** 1449-3573-1751-8171

PKD1 Result
N/N

Does not possess the disease-causing PKD1 gene.

Identity Panel
S L G J S
F C A 2 3 3 F C A 9 8
S L X J



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**GREG STAPLES**  
1014 SNIDER'S BAY ROAD  
GRAVENHURST ONTARIO PIP 1R2  
CANADA

## PK DEFICIENCY TEST REPORT

<b>Provided Information:</b>		<b>Case:</b>	<b>CAT135639</b>
<b>Name:</b>	<b>GB* OKINANEKO'S PEPER HAROW</b>	<b>Date Received:</b>	29-Sep-2021
<b>Registration:</b>	<b>(GB) FB LO 1-037035</b>	<b>Report Issue Date:</b>	07-Oct-2021
		<b>Report ID:</b>	5222-9252-6875-7175
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>			
<b>DOB: 01/26/2021 Sex: Female Breed: Maine Coon Microchip: 939000007391386 Color: Black Tortie</b>			
<b>Sire:</b>	RAYDUSOLEIL STACKER PENTECOST	<b>Dam:</b>	GB* OKINANEKO'S TIFFANY LA ROUGE
<b>Reg:</b>	(GB) FB LO 1-034255	<b>Reg:</b>	(GB) FB LO 1-032476
<b>Microchip:</b>		<b>Microchip:</b>	

### PYRUVATE KINASE DEFICIENCY RESULT

N/K

#### **Interpretation**

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\*

## PK DEFICIENCY TEST REPORT

<p><i>Client/Owner/Agent Information:</i>          GREG STAPLES          1014 SNIDER'S BAY ROAD          GRAVENHURST ONTARIO P1P 1R2          CANADA</p>	<p><b>Case:</b> <b>CAT135639</b>  <i>Date Received:</i> 29-Sep-2021  <i>Report Issue Date:</i> 07-Oct-2021  <i>Report ID:</i> 5222-9252-6875-7175</p> <p>Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>Name:</i> <b>GB* OKINANEKO'S PEPPER HAROW</b></p>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on PK Deficiency test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/pkdeficiency.php](http://www.vgl.ucdavis.edu/services/pkdeficiency.php)

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.

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

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## MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

<b>Provided Information:</b>  Name: <b>GB* OKINANeko'S PEPER HAROW</b> Registration: <b>(GB) FB LO 1-037035</b>	<b>Case: CAT135639</b> Date Received: 29-Sep-2021 Report Issue Date: 08-Nov-2021 Report ID: 7693-9367-4323-2173  <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
DOB: <b>01/26/2021</b> Sex: <b>Female</b> Breed: <b>Maine Coon</b> Microchip: <b>939000007391386</b> Color: <b>Black Tortie</b>	
Sire: RAYDUSOLEIL STACKER PENTECOST Reg: (GB) FB LO 1-034255 Microchip:	Dam: GB* OKINANeko'S TIFFANY LA ROUGE Reg: (GB) FB LO 1-032476 Microchip:

### Maine Coon HCM Result

# N/N

#### *Interpretation*

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.

## MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

<b>Client/Owner/Agent Information:</b> GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	<b>Case:</b> <b>CAT135639</b> <b>Date Received:</b> 29-Sep-2021 <b>Report Issue Date:</b> 08-Nov-2021 <b>Report ID:</b> 7693-9367-4323-2173  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>GB* OKINANEKO'S PEPPER HAROW</b>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Maine Coon HCM test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/cat/MaineCoonHCM.php](http://www.vgl.ucdavis.edu/services/cat/MaineCoonHCM.php)

The MHCM 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 terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

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**Report authorized by Dr. Rebecca Bellone, VGL Director**

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**MAINE COON SPINAL MUSCULAR ATROPHY TEST  
 REPORT**

<i>Provided Information:</i>		<i>Case:</i>	<b>CAT135639</b>
<i>Name:</i>	<b>GB* OKINANeko'S PEPER HAROW</b>	<i>Date Received:</i>	29-Sep-2021
<i>Registration:</i>	<b>(GB) FB LO 1-037035</b>	<i>Report Issue Date:</i>	08-Nov-2021
		<i>Report ID:</i>	5867-3161-3816-7177
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>			
<i>DOB: 01/26/2021 Sex: Female Breed: Maine Coon Microchip: 939000007391386 Color: Black Tortie</i>			
<i>Sire:</i>	RAYDUSOLEIL STACKER PENTECOST	<i>Dam:</i>	GB* OKINANeko'S TIFFANY LA ROUGE
<i>Reg:</i>	(GB) FB LO 1-034255	<i>Reg:</i>	(GB) FB LO 1-032476
<i>Microchip:</i>		<i>Microchip:</i>	

**SMA Result**

**N/N**

**Interpretation**

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.



# MAINE COON SPINAL MUSCULAR ATROPHY TEST REPORT

<p><i>Client/Owner/Agent Information:</i>          GREG STAPLES          1014 SNIDER'S BAY ROAD          GRAVENHURST ONTARIO P1P 1R2          CANADA</p>	<p><b>Case:</b> <b>CAT135639</b>  <i>Date Received:</i> 29-Sep-2021  <i>Report Issue Date:</i> 08-Nov-2021  <i>Report ID:</i> 5867-3161-3816-7177</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>Name:</i> <b>GB* OKINANEKO'S PEPPER HAROW</b></p>	

**Additional Information**

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on SMA test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/cat/SMA.php](http://www.vgl.ucdavis.edu/services/cat/SMA.php)

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

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

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## BLOOD GROUP TEST REPORT

<b>Provided Information:</b>		<b>Case:</b>	<b>CAT135639</b>
<b>Name:</b>	<b>GB* OKINANeko'S PEPER HAROW</b>	<b>Date Received:</b>	29-Sep-2021
<b>Registration:</b>	<b>(GB) FB LO 1-037035</b>	<b>Report Issue Date:</b>	08-Nov-2021
		<b>Report ID:</b>	6241-0707-3927-8100
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>			
<b>DOB: 01/26/2021 Sex: Female Breed: Maine Coon Microchip: 939000007391386 Color: Black Tortie</b>			
<b>Sire:</b>	RAYDUSOLEIL STACKER PENTECOST	<b>Dam:</b>	GB* OKINANeko'S TIFFANY LA ROUGE
<b>Reg:</b>	(GB) FB LO 1-034255	<b>Reg:</b>	(GB) FB LO 1-032476
<b>Microchip:</b>		<b>Microchip:</b>	

### BLOOD GROUP RESULT

N/N

#### Interpretation

- N/N Cat is Type A or Type AB
- N/b Cat is a carrier of B factor; serotype could be Type A or Type AB
- b/b Cat is Type B
- N/c Cat is a carrier of AB factor; serotype could be Type A or Type AB
- c/c Cat is type AB
- c/b Cat is type AB; Carrier of B factor

## BLOOD GROUP TEST REPORT

<b>Client/Owner/Agent Information:</b> GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	<b>Case:</b> <b>CAT135639</b> <b>Date Received:</b> 29-Sep-2021 <b>Report Issue Date:</b> 08-Nov-2021 <b>Report ID:</b> 6241-0707-3927-8100  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>GB* OKINANEKO'S PEPER HAROW</b>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Cat Blood Group test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/abblood.php](http://www.vgl.ucdavis.edu/services/abblood.php)

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

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