



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

TELEPHONE: (530) 752-2211
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PKD1 AND PERSIAN DERIVED PRA REPORT

GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	Case: CAT114909 Date Received: 13-May-2019 Print Date: 12-Jun-2019 Report ID: 9558-7756-1860-1195 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm
Cat: MINOOS BARONESS VELDA COONOPOLOV Reg: MCO25EMX2-53630 DOB: 08/25/2018 Sex: Female Breed: Maine Coon Microchip: 939000001797154 Color: Brown Classic Tabby and White	
Sire: RAYDUSOLEIL STACKER PENTECOST Reg: MCO25EMX1-50357 Dam: DK* ALOA'S YUMIEE OF MINOOS Reg: MCO12XXX2-49489	

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/pkd1.php
www.vgl.ucdavis.edu/services/cat/PRApd.php

IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA075	S	FCA220	L
FCA223	GX	FCA678	J
FCA698	S		

DNA ANALYSIS CERTIFICATE

MINOOS BARONESS VELDA COONOPOLOV

Breed: Maine Coon

Sex: Female

Color: Brown Classic Tabby and White

DOB: 08/25/2018

Reg: MCO25EMX2-53630

Alt. ID: 939000001797154

Case: CAT114909

Print Date: June 12, 2019

Report ID: 9558-7756-1860-1195

PKD1 Result

N/N

Does not possess the disease-causing PKD1 gene.

Identity Panel

S	L	G	J	S
F	C	A	2	3
A	0	7	5	
S	L	X	J	S
F	C	A	6	8
A	9	7	8	
F	C	A	9	8
S	L	X	J	S



Veterinary Genetics Laboratory

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GREG STAPLES

1014 SNIDER'S BAY ROAD

GRAVENHURST ONTARIO PIP 1R2

CANADA



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PK DEFICIENCY AND IDENTITY MARKER REPORT

GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	Case: CAT114909 Date Received: 13-May-2019 Print Date: 16-May-2019 Report ID: 6883-3720-7444-8184 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm
Cat: MINOOS BARONESS VELDA COONOPOLOV Reg: MCO25EMX2-53630 DOB: 08/25/2018 Sex: Female Breed: Maine Coon Microchip: 939000001797154 Color: Brown Classic Tabby and White	
Sire: RAYDUSOLEIL STACKER PENTECOST Reg: MCO25EMX1-50357 Dam: DK* ALOA'S YUMIEE OF MINOOS Reg: MCO12XXX2-49489	

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

IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA075	S	FCA220	L
FCA223	GX	FCA678	J
FCA698	S		



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MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

<p>GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA</p>	<p>Case: CAT114909 Date Received: 13-May-2019 Print Date: 12-Jun-2019 Report ID: 6097-3517-2601-5064 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm</p>
<p>Cat: MINOOS BARONESS VELDA COONOPOLOV DOB: 08/25/2018 Sex: Female Breed: Maine Coon Microchip: 939000001797154 Color: Brown Classic Tabby and White</p>	<p>Reg: MCO25EMX2-53630</p>
<p>Sire: RAYDUSOLEIL STACKER PENTECOST Dam: DK* ALOA'S YUMIEE OF MINOOS</p>	<p>Reg: MCO25EMX1-50357 Reg: MCO12XXX2-49489</p>

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



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MAINE COON SPINAL MUSCULAR ATROPHY TEST REPORT

<p>GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA</p>	<p>Case: CAT114909 Date Received: 13-May-2019 Print Date: 12-Jun-2019 Report ID: 6465-0626-5565-6160 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm</p>
<p>Cat: MINOOS BARONESS VELDA COONOPOLOV Reg: MCO25EMX2-53630 DOB: 08/25/2018 Sex: Female Breed: Maine Coon Microchip: 939000001797154 Color: Brown Classic Tabby and White</p>	
<p>Sire: RAYDUSOLEIL STACKER PENTECOST Reg: MCO25EMX1-50357 Dam: DK* ALOA'S YUMIEE OF MINOOS Reg: MCO12XXX2-49489</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



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BLOOD GROUP AND IDENTITY MARKER REPORT

GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	Case: CAT114909 Date Received: 13-May-2019 Print Date: 12-Jun-2019 Report ID: 5631-7826-3375-2135 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm
Cat: MINOOS BARONESS VELDA COONOPOLOV DOB: 08/25/2018 Sex: Female Breed: Maine Coon Microchip: 939000001797154 Color: Brown Classic Tabby and White	Reg: MCO25EMX2-53630
Sire: RAYDUSOLEIL STACKER PENTECOST Dam: DK* ALOA'S YUMIEE OF MINOOS	Reg: MCO25EMX1-50357 Reg: MCO12XXX2-49489

BLOOD GROUP RESULT

N/N

Result Codes:

- 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

For more detailed information on Cat Blood Group results, please go to:
www.vgl.ucdavis.edu/services/abblood.php

IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
<i>FCA075</i>	S	<i>FCA220</i>	L
<i>FCA223</i>	GX	<i>FCA678</i>	J
<i>FCA698</i>	S		