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

TELEPHONE: (530) 752-2211
FAX: (530) 752-3556

PK DEFICIENCY AND IDENTITY MARKER REPORT

MARIE HARRIMAN
169 CLINTON ROAD
ANTRIM, NH 03440

Case: **CAT94066**
Date Received: 10-Apr-2017
Print Date: 12-Apr-2017
Report ID: 1814-0432-3581-8075
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **MARIKOONS STARRYNIGHT OF ATLASTCATS** *Reg:* **SBV 051816 076**

DOB: **05/18/2016** *Sex:* **Female** *Breed:* **Maine Coon** *Microchip:* **933000120067496** *Color:* **BLACK SILVER TICKED TORBIE/WHITE**

Sire: PALEENI SOCRATES OF MARIKOONS *Reg:* SBT 072713 056
Dam: ATLASTCATS VERUKA SALT OF MARIKOONS *Reg:* SBT 051015 016

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	GQ	*FCA678*	JP
FCA698	U		

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MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

MARIE HARRIMAN
169 CLINTON ROAD
ANTRIM, NH 03440

Case: **CAT94066**
Date Received: 10-Apr-2017
Print Date: 12-Apr-2017
Report ID: 2412-5849-6003-8100
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **MARIKOONS STARRYNIGHT OF ATLASTCATS** *Reg:* **SBV 051816 076**

DOB: **05/18/2016** *Sex:* **Female** *Breed:* **Maine Coon** *Microchip:* **933000120067496** *Color:* **BLACK SILVER TICKED TORBIE/WHITE**

Sire: PALEENI SOCRATES OF MARIKOONS *Reg:* SBT 072713 056
Dam: ATLASTCATS VERUKA SALT OF MARIKOONS *Reg:* SBT 051015 016

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

MARIE HARRIMAN
169 CLINTON ROAD
ANTRIM, NH 03440

Case: **CAT94066**
Date Received: 10-Apr-2017
Print Date: 12-Apr-2017
Report ID: 9350-4350-8558-1075
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **MARIKOONS STARRYNIGHT OF ATLASTCATS** *Reg:* **SBV 051816 076**

DOB: **05/18/2016** *Sex:* **Female** *Breed:* **Maine Coon** *Microchip:* **933000120067496** *Color:* **BLACK SILVER TICKED TORBIE/WHITE**

Sire: PALEENI SOCRATES OF MARIKOONS *Reg:* SBT 072713 056
Dam: ATLASTCATS VERUKA SALT OF MARIKOONS *Reg:* SBT 051015 016

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