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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

TERESA SWEENEY 2461 BIRCH BARK TRAIL GROVE CITY, OH 43123	*Case:* **CAT64743** *Date Received:* 23-Apr-2014 *Print Date:* 27-Apr-2014 *Report ID:* 3106-9790-7917-1179 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **PETERBUILT** *Reg:*

DOB: **01/11/2009** *Sex:* **Male** *Breed:* **Maine Coon** *Microchip:*

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

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: www.vgl.ucdavis.edu/services/pkdeficiency.php

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

IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA075	S	*FCA220*	L
FCA223	UW	*FCA678*	JK
FCA698	T		

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MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST

TERESA SWEENEY 2461 BIRCH BARK TRAIL GROVE CITY, OH 43123	*Case:* **CAT64743** *Date Received:* 23-Apr-2014 *Print Date:* 27-Apr-2014 *Report ID:* 8241-0173-9551-6042 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html
Cat: **PETERBUILT** *Reg:* *DOB:* **01/11/2009** *Sex:* **Male** *Breed:* **Maine Coon** *Microchip:*	

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/HCM	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 additional information regarding the status of A31P mutation and HCM in Maine Coons, see www.vgl.ucdavis.edu/services/cat/MaineCoonHCM.php

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MAINE COON SPINAL MUSCULAR ATROPHY TEST REPORT

TERESA SWEENEY
2461 BIRCH BARK TRAIL
GROVE CITY, OH 43123

Case: **CAT64743**
Date Received: 23-Apr-2014
Print Date: 27-Apr-2014
Report ID: 0442-3477-7833-4164
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **PETERBUILT** *Reg:*
DOB: **01/11/2009** *Sex:* **Male** *Breed:* **Maine Coon** *Microchip:*

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.