



## PKD1 AND IDENTITY MARKER REPORT

JOANIE WILSON 960 WISE RD MORGANTON, GA 30560	<b>Case:</b> <b>CAT60719</b> <b>Date Received:</b> 19-Nov-2013 <b>Report Date:</b> 22-Nov-2013 <b>Report ID:</b> 1885-7433-2229-8015 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>EXOTIC-GEMS ISAAC NEWTOM OF ZIAKATZ</b> <i>DOB:</i> <b>08/06/2013</b> <i>Breed:</i> <b>ES</b> <i>Sex:</i> <b>M</b> <i>Microchip:</i>	<i>Reg:</i> <b>7408-1790007</b>
<i>Sire:</i> STONE CREEK AMERICAN GRAFFITI <i>Dam:</i> STONE CREEK WHISPERING WILLOW	<i>Reg:</i> 7404-1735011 <i>Reg:</i> 7537-1718420

## PKD1 TEST RESULT

N/N

### 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. The test indicates the presence or absence of the stop mutation in the feline PKD1 gene caused by a cytosine to adenine transversion. This mutation causes feline polycystic kidney disease (PKD), which is characterized by renal, hepatic and pancreatic cysts. \*If your cat tests positive for PKD1, we recommend that you contact your veterinarian for information on disease progression and management.

## IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
<i>FCA069</i>	O	<i>FCA075</i>	S
<i>FCA105</i>	RS	<i>FCA149</i>	GL
<i>FCA220</i>	IK	<i>FCA223</i>	UV



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## CAT LONG HAIR REPORT

JOANIE WILSON 960 WISE RD MORGANTON, GA 30560	<b>Case:</b> <b>CAT60719</b> <b>Date Received:</b> 19-Nov-2013 <b>Report Date:</b> 22-Nov-2013 <b>Report ID:</b> 5197-3185-6065-2137 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
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<i>Sire:</i> STONE CREEK AMERICAN GRAFFITI <i>Dam:</i> STONE CREEK WHISPERING WILLOW	<i>Reg:</i> 7404-1735011 <i>Reg:</i> 7537-1718420

### Genotype

N/N

#### **Result Codes:**

##### **N/N:**

Cat has short hair. None of the 4 long hair mutations detected. Cat cannot produce long-haired kittens.

##### **N/M1, N/M2, N/M3 or N/M4:**

Cat has short hair and carries one copy of a long hair mutation. Cat can produce short and long-haired kittens depending on genotype of the mate.

##### **M1/M1, M2/M2, M3/M3 or M4/M4:**

Cat has long hair and will produce only long-haired kittens when bred to a long-haired mate.

##### **M1/M2, M1/M3, M1/M4, M2/M3, M2/M4 or M3/M4:**

Cat has long hair and carries two different long hair mutations (compound heterozygote). Cat will produce only long-haired kittens when bred to other long-haired cats.