



VETERINARY GENETICS LABORATORY
 SCHOOL OF VETERINARY MEDICINE
 TELEPHONE: (530) 752-2211
 FAX: (530) 752-3556

ONE SHIELDS AVENUE
 DAVIS, CALIFORNIA 95616-8744

PKD1 AND IDENTITY MARKER REPORT

JAN ROBERTSON
 12923 N CRESAP ST
 CUMBERLAND, MD 21502

Case: CAT3353
Date Received: 28-Jul-2005
Report Date: 03-Aug-2005

Name: SHANE
Reg: 1116-1517347

YOB: 04 **Breed:** PE **Sex:** M

Microchip:

PKD1 TEST RESULT

N/N

Result Codes:

N/P = Affected - Heterozygous for the PKD1 gene (1 copy of the PKD gene). Cat has or will develop PKD.
 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. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses.

IDENTITY MARKERS

FCA069: N
FCA075: S
FCA220: K

FCA229: N/O
FCA105: R/S
FCA441: O/Q



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PKD1 AND IDENTITY MARKER REPORT

JAN ROBERTSON
 12923 N CRESAP ST
 CUMBERLAND, MD 21502

Case: CAT3354
Date Received: 28-Jul-2005
Report Date: 03-Aug-2005

Name: SINNAMON
Reg: 1110-1519004

YOB: 04 **Breed:** PE **Sex:** M

Microchip:

PKD1 TEST RESULT

N/N

Result Codes:

N/P = Affected - Heterozygous for the PKD1 gene (1 copy of the PKD gene). Cat has or will develop PKD.

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. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses.

IDENTITY MARKERS

FCA069: O
FCA075: S
FCA220: I/K

FCA229: N/O
FCA105: S
FCA441: M/O



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PKD1 AND IDENTITY MARKER REPORT

JAN ROBERTSON
 12923 N CRESAP ST
 CUMBERLAND, MD 21502

Case: CAT3355
Date Received: 28-Jul-2005
Report Date: 03-Aug-2005

Name: SHALIMAR
Reg: 0119-1521424

YOB: 04 **Breed:** PE **Sex:** F

Microchip:

PKD1 TEST RESULT

N/N

Result Codes:

N/P = Affected - Heterozygous for the PKD1 gene (1 copy of the PKD gene). Cat has or will develop PKD.

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. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses.

IDENTITY MARKERS

FCA069: N
FCA075: S
FCA220: K/L

FCA229: P
FCA105: T
FCA441: O