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DAVIS, CALIFORNIA 95616-8744

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FAX: (530) 752-3556

PKD1 AND IDENTITY MARKER REPORT

JOHANNA LEIBFARTH 1908 COULTER DR. NORTH AUGUSTA, SC 29841	***Case:*** **CAT21219** ***Date Received:*** 03-Nov-2008 ***Report Date:*** 06-Nov-2008 ***Report ID:*** 3233-6212-8906-3051
Cat: **COTN HILL TIME WILL TELL** *Reg:* **7992-1635009** *YOB:* **07** *Breed:* **ES** *Sex:* **M** *Microchip:* **981020001859840**	
Sire: COTN HILL RISE 'N SHINE *Reg:* *Dam:* DESMIN DIXIE SUMMER *Reg:*	

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

*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
FCA069	NO	*FCA075*	S
FCA220	IK	*FCA229*	MP
FCA105	SV	*FCA441*	KO

This test is performed under a license agreement with the University of California, Davis.

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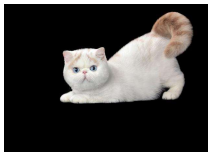


PKD1 AND PERSIAN DERIVED PRA REPORT

GALINA DMITRIEVA AKADEMIKA CHELOMEYA ST 8-1-431 MOSCOW 117630 RUSSIAN FEDERATION	***Case:*** **CAT84583** ***Date Received:*** 10-May-2016 ***Print Date:*** 13-May-2016 ***Report ID:*** 9453-5790-2340-1033 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **PL*BAGIRA BEE TIFFANY OF VITA-NOVA** *Reg:* **7955-02039148**

DOB: **03/11/2014** *Sex:* **Female** *Breed:* **Exotic Shorthair** *Microchip:* **985170002695477** *Color:* **Cream Tabby VAN BLUE EYED**

Sire: CH PARTI WAI EX BUTTERSCOTCH *Reg:* 7804-01740435

Dam: PL*BAGIRA SHE WILL BEE MINE *Reg:* 0119-01686155

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.

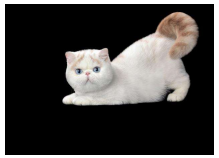
IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA075	S	*FCA220*	K
FCA223	QV	*FCA678*	JN
FCA698	NS		

The PKD1 test is performed under a license agreement with the University of California.

DNA ANALYSIS CERTIFICATE

PL*BAGIRA BEE TIFFANY OF VITA-NOVA



Case: CAT84583
Print Date: May 13, 2016
Report ID: 9453-5790-2340-1033

Breed: Exotic Shorthair
Sex: Female
Color: Cream Tabby VAN BLUE EYED
DOB: 03/11/2014
Reg: 7955-02039148
Alt. ID: 985170002695477

PKD1 Result

N/N

Does not possess the disease-causing PKD1 gene.

Identity Panel

S	K	Q	J	N
FCA075	FCA220	FCA223	FCA678	FCA698
S	K	V	N	S

Veterinary Genetics Laboratory
One Shields Avenue, Davis, CA 95616
530-752-2211
www.vgl.ucdavis.edu

GALINA DMITRIEVA
AKADEMIKA CHELOMEYA ST 8-
MOSCOW 117630
RUSSIAN FEDERATION

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PKD1 AND IDENTITY MARKER REPORT

GALINA DMITRIEVA
ACADEMIKA CHELOMEYA ST. 8-1-431
MOSCOW
RUSSIA, 117630

Case:	**CAT8579**
Date Received:	17-Oct-2006
Report Date:	19-Oct-2006

Cat: **HEIDA SUNSHINE** *Reg:*
YOB: **06** *Breed:* **ES** *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

LOCUS	TYPE	LOCUS	TYPE
FCA069	LN	*FCA075*	S
FCA220	IL	*FCA229*	P
FCA105	TV	*FCA441*	MO

This test is performed under a license agreement with the University of California, Davis.

Gribbles
VETERINARY

1868 Dandenong Road
Clayton Victoria 3168
AUSTRALIA
Tel +61 3 9538 2259
Email: gms@gribbles.com.au

Episode Number 08-7110863 **Lab Number** 08-981

OWNER / BREEDER	**CAT DETAILS**
PASCAL LAVREAU	*Name* LITCHI
DENDERNONDSE STEENWEG 103 9070 DESTELBERGEN BELGIUM	*Sex* MALE *Breed* EXOTIC / SHORTHAIR **Registration No.ID (if applicable)** **Microchip No. (If applicable)**

Specimen Type BUCCAL CELLS **Date received** 20 OCTOBER 2008

POLYCYSTIC KIDNEY DISEASE (PKD1) DNA TEST REPORT

PKD DNA TEST RESULT : CLEAR

COMMENT : The genetic alteration in the PKD1 gene was NOT detected.

Interpretation:

Cats with a result of "Affected" have, or will develop PKD. PKD is inherited as an autosomal dominant disease. This means that a heterozygous "Affected" cat bred to a normal "Clear" cat will result in approximately half the offspring being "Affected".

A genetic alteration in the feline PKD1 gene has been found to cause inherited polycystic kidney disease in Persians, Himalayans, Exotics, British Shorthairs and Persian first generation out-crosses (Ref).

The current test only identifies this alteration.

Ref: Lyons LA et al J Am Soc Nephrol 2004 15(10): 2548-55.

Authorised By : _____ **Date of Report** 24 OCTOBER 2008

СЕРТИФИКАТ № 2516-1
генетического анализа кошки на поликистоз почек (ПКП)
CERTIFICATE # 2516-1
of genetic analysis of cat for polycystic kidney disease (PKD)

member

Дата / Date: 17 января 2012 / January 17, 2012

Наименование и адрес организации, выдавшей сертификат
Name and address of organization which issued the certificate

Лаборатория ветеринарной генетической диагностики ООО «Зооген», Санкт-Петербург,

Россия / Laboratory of veterinary genetics diagnostics LLC "Zoogen", Saint-Petersburg, Russia

Свидетельство о происхождении кошки
Cat parentage certificate № 7799-1715363

Порода / Breed Персидская / Persian

Кличка / Name VERON SUSANA FROM JOY OF CORUNA*RUS

Дата рождения / Birth 23.07.2010

Пол / Sex кошка / female **Окрас / Colour** черный дым с белым / black smoke & white

Клеймо, чип / Mark, e-Chip 643098100109970

Владелец / Owner Юлия В.Крутикова / Julia V. Krutikova

Биоматериал предоставлен владельцем / Sample is provided by owner

ГЕНОТИП
GENOTYPE

Ген / Gene *PKD1* (*polycystic kidney disease1*):

+/+	не несёт аллель заболевания – здоров / not a carrier for mutant type allele – clear

Ведущий специалист / Leading expert: Антон Марков / Anton Markov

ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ "ЗООГЕН" "ZOOGEN" LLC САНКТ-ПЕТЕРБУРГ

Анализ выполнен в соответствии с литературными данными / Analyzed in conformity with reference data:

Lyons LA et al. Feline Polycystic Kidney Disease Mutation Identified in PKD1. J Am Soc Nephrol. 2004 Oct;15(10):2548-55.

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FAX: (530) 752-3556

PKD1 AND IDENTITY MARKER REPORT

NANCY DUCKETT 6480 SE 42 COURT OCALA, FL 34480	*Case:* **CAT10177** *Date Received:* 26-Feb-2007 *Report Date:* 01-Mar-2007 *Report ID:* 8386-6056-6453-0122

Cat: **OCALICOS FANCY THAT** *Reg:* **0149-1557713**
YOB: **05** *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.

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IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA069	NO	*FCA075*	S
FCA220	K	*FCA229*	P
FCA105	RS	*FCA441*	KO

This test is performed under a license agreement with the University of California, Davis.

СЕРТИФИКАТ № 2513-1
генетического анализа кошки на поликистоз почек (ПКП)
CERTIFICATE # 2513-1
of genetic analysis of cat for polycystic kidney disease (PKD)

Дата / Date: 17 января 2012 / January 17, 2012

Наименование и адрес организации, выдавшей сертификат
Name and address of organization which issued the certificate

Лаборатория ветеринарной генетической диагностики ООО «Зооген», Санкт-Петербург,

Россия / Laboratory of veterinary genetics diagnostics LLC "Zoogen", Saint-Petersburg, Russia

Свидетельство о происхождении кошки
Cat parentage certificate № -

Порода / Breed Экзотическая короткошерстная / Exotic Shorthair

Кличка / Name SWEET BEAR'S LUCKY OF CORUNA*RUS

Дата рождения / Birth 06.07.2011

Пол / Sex кошка / female **Окрас / Colour** черепаховый арлекин / tortie harlequin

Клеймо, чип / Mark, e-Chip -

Владелец / Owner Юлия В.Крутикова / Julia V. Krutikova

Биоматериал предоставлен владельцем / Sample is provided by owner

ГЕНОТИП
GENOTYPE

Ген / Gene *PKD1* (*polycystic kidney disease1*):

+/+	**не несёт аллель заболевания – здоров / not a carrier for mutant type allele – clear**

Ведущий специалист / Leading expert: **Антон Марков / Anton Markov**

ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ "ЗООГЕН" "ZOOGEN" LLC САНКТ-ПЕТЕРБУРГ

Анализ выполнен в соответствии с литературными данными / Analyzed in conformity with reference data:

Lyons LA et al. Feline Polycystic Kidney Disease Mutation Identified in PKD1. J Am Soc Nephrol. 2004 Oct;15(10):2548-55.

ЦЕНТР МОЛЕКУЛЯРНОЙ ДИАГНОСТИКИ
ФГБУ «ВГНКИ» ИНН7003056867
ЛИЦ. ЦЛВД№006614

РОССЕЛЬХОЗНАДЗОР

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ УЧРЕЖДЕНИЕ
ВСЕРОССИЙСКИЙ ГОСУДАРСТВЕННЫЙ ЦЕНТР КАЧЕСТВА И СТАНДАРТИЗАЦИИ ЛЕКАРСТВЕННЫХ СРЕДСТВ ДЛЯ ЖИВОТНЫХ И КОРМОВ
ФГБУ «ВГНКИ»

ЦЕНТР ВСЕМИРНОЙ ОРГАНИЗАЦИИ ЗДРАВООХРАНЕНИЯ ЖИВОТНЫХ (МЭБ) ПО ПИЩЕВОЙ БЕЗОПАСНОСТИ, ДИАГНОСТИКЕ И БОРЬБЕ С БОЛЕЗНЯМИ ЖИВОТНЫХ ДЛЯ СТРАН ВОСТОЧНОЙ ЕВРОПЫ, ЦЕНТРАЛЬНОЙ АЗИИ И ЗАКАВКАЗЬЯ

COLLABORATING CENTRE
123022, г.Москва, Д-22
Звенигородское шоссе, 5

E-mail: cmd@vgnki.ru
Сайт: цмд-вгнки.рф
тел./факс (499)259-27-18

Исследование на наличие предрасположенности к возникновению поликистоза почек кошек
DNA investigation for Feline Polycystic Kidney disease № 507-11

Владелец/ Owner	**Levchenko Svetlana**
Порода/ Breed	**persian**
Пол/ Sex	**female**
Кличка/ Name	**Davikatz Bellefleur**
Дата рождения/ Date of birth	

Результат:

Генетическая мутация в 29 экзоне гена pkd, ответственная за возникновение поликистоза почек отсутствует.

Results:

Genetic mutation in exon 29, responsible for Feline Polycystic Kidney disease progress is absent.

Дата/ Date	**20.11.2011**
Ответственный исполнитель /Responsible executor	

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FAX: (530) 752-3556

PKD1 AND IDENTITY MARKER REPORT

PIOTR PARDO UL. ZEUSA 53/6 80-180 GDANSK POLAND	***Case:*** **CAT43833** ***Date Received:*** 15-Feb-2012 ***Report Date:*** 21-Feb-2012 ***Report ID:*** 4372-8451-5093-3102 Verify report at https://www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **ARK STAR EASY TO LOVE OF PL*JANTAR** *Reg:* **1133-1696327**

DOB: **09/24/2009** *Breed:* **PE** *Sex:* **F** *Microchip:* **643098100062478**

Sire: GC ARK STAR KENZO *Reg:* 1132-1620162

Dam: CH ARK STAR DAISY *Reg:* 1133-1627215

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. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses. *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
FCA075	S	*FCA220*	IK
FCA229	O	*FCA105*	S
FCA149	LM	*FCA678*	N

This test is performed under a license agreement with the University of California.

DNA ANALYSIS CERTIFICATE

ARK STAR EASY TO LOVE OF PL*JANTAR

Case: CAT43833
Report Date: February 21, 2012
Report ID: 4372-8451-5093-3102

Breed: Persian
Sex: Female
Color: SILVER TABBY WHITE VAN
DOB: 09/24/2009
Reg: 1133-1696327
Microchip: 643098100062478

PKD1 Result
N/N
Does not possess the disease-causing PKD1 gene.

Identity Panel

S	I	O	S	L	N
FCA075	FCA220	FCA229	FCA105	FCA149	FCA678
S	K	O	S	M	N

Veterinary Genetics Laboratory
One Shields Avenue, Davis, CA 95616
530-752-2211
www.vgl.ucdavis.edu

PIOTR PARDO
UL. ZEUSA 53/6 80-180 GDANSK

POLAND

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PKD1 AND IDENTITY MARKER REPORT

OLGA MOGILNIKOVA
BEHTENERA ST 5-15
BARNAUL
RUSSIA, 656011

Case:	**CAT8410**
Date Received:	03-Oct-2006
Report Date:	05-Oct-2006

Cat: **PENSFORDHILL AYUTTAYA** *Reg:*
YOB: **06** *Breed:* **ES** *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.

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IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA069	LN	*FCA075*	S
FCA220	KL	*FCA229*	NP
FCA105	SU	*FCA441*	MO

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PKD1 AND IDENTITY MARKER REPORT

OLGA MOGILNIKOVG
BEHTENERA ST 5-15
BARNAUL
RUSSIA, 656011

Case:	**CAT6279**
Date Received:	28-Apr-2006
Report Date:	08-May-2006

Cat: **CATICA BOOGY-WOOGY OF DOLL LIK** *Reg:* **CFA7796-1514343**
YOB: **04** *Breed:* **ES** *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

LOCUS	TYPE	LOCUS	TYPE
FCA069	NO	*FCA075*	PS
FCA220	KL	*FCA229*	P
FCA105	R	*FCA441*	MO

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ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8744

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

PKD1 AND IDENTITY MARKER REPORT

JUANITA - BRUCE HUDNALL
4782 STATE ROUTE 516 N.W.
DOVER, OH 44622

Case: **CAT15125**
Date Received: 04-Dec-2007
Report Date: 10-Dec-2007
Report ID: 7007-5080-1110-8171

Cat: **DAY OH SAVANAH SUNRISE OF CHAS** *Reg:* **1187-1571776**
YOB: **05** *Breed:* **PE** *Sex:* **F** *Microchip:*

Sire: DAY OH ADAM *Reg:* 1142-1562915
Dam: DAY OH LITTLE BELLE *Reg:* 0149-1511616

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

*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
FCA069	NO	*FCA075*	S
FCA220	1K	*FCA229*	P
FCA105	S	*FCA441*	O

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

PKD1 AND IDENTITY MARKER REPORT

JUANITA HUDNALL-MARY ODAY 4782 STATE ROUTE 516 N.W. DOVER, OH 44622	*Case:* **CAT15127** *Date Received:* 04-Dec-2007 *Report Date:* 10-Dec-2007 *Report ID:* 3393-4740-3628-2113

Cat: **DAY OH OLDE BLUE EYES OF CHAST** *Reg:* **1114-1596719**
YOB: **05** *Breed:* **PE** *Sex:* **M** *Microchip:*

Sire: DAY OH TUG AT MY HEART *Reg:* 1142-1487806
Dam: DAY OH A GIRL LIKE ME *Reg:* 1187-1555348

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

*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
FCA069	GN	*FCA075*	S
FCA220	K	*FCA229*	P
FCA105	S	*FCA441*	KO

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CERTIFICAT GENETIQUE
(GENETIC CERTIFICATE)

Mme Iwona PAGOWSKA
Piastowska 22 Owczarnia
05-807 PODKOWA LESNA
POLOGNE

Prélèvement n° **117660** réalisé le **15/09/05**,
sur un animal identifié par tatouage ou transpondeur et
authentifié par le **Dr Maria MORAWSKA** (PODKOWA LESNA, 05-807, Pologne)

Sample n° 117660 realized on the 15/09/05,
on an animal identified by tatoo or ship and
authentified by Dr Maria MORAWSKA (PODKOWA LESNA, 05-807, Pologne)

CHAT (CAT)

NOM AVEC AFFIXE : **DAJLA BAGIRA * PL**
(NAME WITH AFFIX)

RACE : **PERSAN**
(BREED)

SEXE : **F**
(SEX)

N° DE TATOUAGE :
(TATTOO NO.)

N° DE TRANSPONDEUR : **985120023929317**
(CHIP NO.)

DATE DE NAISSANCE : **27/05/03**
(BIRTH DATE)

N° DE PEDIGREE : **PLPZFLO 001855**
(PEDIGREE NO.)

MALADIE : **POLYKYSTOSE RENALE**
(DISEASE) (POLYCYSTIC KIDNEY DISEASE)

STATUT DE L'ANIMAL :
(ANIMAL STATUS)

- ☑ **SAIN** (CLEAR)
- ☐ ATTEINT HÉTÉROZYGOTE (HETEROZYGOUS AFFECTED)
- ☐ ATTEINT HOMOZYGOTE (HOMOZYGOUS AFFECTED)

Certificat établi par le Laboratoire ANTAGENE, le 12/10/05
(Certificate established by ANTAGENE laboratory, on the)

STATUT DE L'ANIMAL

SAIN : Le chat porte deux copies normales du gène impliqué dans la polykystose rénale ou polycystic kidney disease (PKD). Il ne sera pas malade et ne pourra pas transmettre l'anomalie à sa descendance.
ATTEINT HETEROZYGOTE : Le chat porte une copie normale et une copie défectueuse du gène impliqué dans la polykystose rénale. Il sera malade et transmettra la copie défectueuse du gène à la moitié de sa descendance (maladie dominante).
ATTEINT HOMOZYGOTE : Le chat porte deux copies défectueuses du gène impliqué dans la polykystose rénale. Aucun chat « atteint homozygote » n'a été observé à ce jour, il semble que cet état soit léthal durant le développement embryonnaire.

ANIMAL STATUS

CLEAR : The cat carries two normal copies of the gene involved in the polycystic kidney disease (PKD). It will not develop the condition and will not transmit this anomaly to its progeny.
HETEROZYGOUS AFFECTED : The cat carries one normal copy and one defective copy of the gene involved in the polycystic kidney disease. It will develop the condition and will transmit the defective copy of the gene to half of its progeny (dominant disease).
HOMOZYGOUS AFFECTED : The cat carries two defective copies of the gene involved in the polycystic kidney disease. No homozygous affected cat has been observed to date, this state seems lethal during embryonic development

SPECIFICATIONS DU TEST

PRÉCISION DU TEST : Ce test est spécifique de la polykystose rénale chez le chat. Le test repose sur la détection de la forme normale du gène *PKD1* et de la seule forme défectueuse connue à ce jour. Le test n'est pas utilisable pour détecter d'autres formes héréditaires de polykystose rénale, d'autres formes héréditaires de maladie rénale ou d'autres affections rénales acquises durant la vie de l'animal.

FIABILITÉ DU TEST : 99% - SENSIBILITÉ : la probabilité d'identification correcte de la forme défectueuse du gène *PKD1* chez un chat « atteint hétérozygote » ou « atteint homozygote » est supérieure à 99% - SPECIFICITÉ : la probabilité d'identification correcte de la forme normale du gène *PKD1* chez un chat sain ou « atteint hétérozygote » est supérieure à 99%

TEST SPECIFICATIONS

TEST ACCURACY : This test is specific to the cat polycystic kidney disease. This test relies on the detection of the normal form of *PKD1* gene and the only defective form known up to date. This test can not be used to detect other forms of hereditary polycystic kidney disease, nor other forms of hereditary kidney disease, nor other kidney ailment acquired during the life span of the animal.

TEST RELIABILITY : 99% - SENSITIVITY : probability of correct identification of the defective form of *PKD1* gene in a heterozygous or homozygous affected cat is higher than 99 % – SPECIFICITY : probability of correct identification of the normal form of *PKD1* gene in a clear or carrier or heterozygous affected cat is higher than 99%

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CERTIFICAT GENETIQUE
(GENETIC CERTIFICATE)

Mme Iwona PAGOWSKA
Piastowska 22 Owczarnia
05-807 PODKOWA LESNA
POLOGNE

Prélèvement n° **117661** réalisé le **15/09/05**,
sur un animal identifié par tatouage ou transpondeur et
authentifié par le **Dr Maria MORAWSKA** (PODKOWA LESNA, 05-807, Pologne)

Sample n° 117661 realized on the 15/09/05,
on an animal identified by tatoo or ship and
authentified by Dr Maria MORAWSKA (PODKOWA LESNA, 05-807, Pologne)

CHAT (CAT)

NOM AVEC AFFIXE : **HEAVEN BAGIRA**
(NAME WITH AFFIX)

RACE : **PERSAN**
(BREED)

SEXE : **M**
(SEX)

N° DE TATOUAGE :
(TATTOO NO.)

N° DE TRANSPONDEUR : **985120022232584**
(CHIP NO.)

DATE DE NAISSANCE : **27/02/05**
(BIRTH DATE)

N° DE PEDIGREE : **PLPZF LO 002985**
(PEDIGREE NO.)

MALADIE : **POLYKYSTOSE RENALE**
(DISEASE) (POLYCYSTIC KIDNEY DISEASE)

STATUT DE L'ANIMAL :
(ANIMAL STATUS)

- ☑ **SAIN** (CLEAR)
- ☐ ATTEINT HÉTÉROZYGOTE (HETEROZYGOUS AFFECTED)
- ☐ ATTEINT HOMOZYGOTE (HOMOZYGOUS AFFECTED)

Certificat établi par le Laboratoire ANTAGENE, le 12/10/05
(Certificate established by ANTAGENE laboratory, on the)

STATUT DE L'ANIMAL

SAIN : Le chat porte deux copies normales du gène impliqué dans la polykystose rénale ou polycystic kidney disease (PKD). Il ne sera pas malade et ne pourra pas transmettre l'anomalie à sa descendance.
ATTEINT HETEROZYGOTE : Le chat porte une copie normale et une copie défectueuse du gène impliqué dans la polykystose rénale. Il sera malade et transmettra la copie défectueuse du gène à la moitié de sa descendance (maladie dominante).
ATTEINT HOMOZYGOTE : Le chat porte deux copies défectueuses du gène impliqué dans la polykystose rénale. Aucun chat « atteint homozygote » n'a été observé à ce jour, il semble que cet état soit léthal durant le développement embryonnaire.

ANIMAL STATUS

CLEAR : The cat carries two normal copies of the gene involved in the polycystic kidney disease (PKD). It will not develop the condition and will not transmit this anomaly to its progeny.
HETEROZYGOUS AFFECTED : The cat carries one normal copy and one defective copy of the gene involved in the polycystic kidney disease. It will develop the condition and will transmit the defective copy of the gene to half of its progeny (dominant disease).
HOMOZYGOUS AFFECTED : The cat carries two defective copies of the gene involved in the polycystic kidney disease. No homozygous affected cat has been observed to date, this state seems lethal during embryonic development

SPECIFICATIONS DU TEST

PRÉCISION DU TEST : Ce test est spécifique de la polykystose rénale chez le chat. Le test repose sur la détection de la forme normale du gène *PKD1* et de la seule forme défectueuse connue à ce jour. Le test n'est pas utilisable pour détecter d'autres formes héréditaires de polykystose rénale, d'autres formes héréditaires de maladie rénale ou d'autres affections rénales acquises durant la vie de l'animal.

FIABILITÉ DU TEST : 99% - SENSIBILITÉ : la probabilité d'identification correcte de la forme défectueuse du gène *PKD1* chez un chat « atteint hétérozygote » ou « atteint homozygote » est supérieure à 99% - SPECIFICITÉ : la probabilité d'identification correcte de la forme normale du gène *PKD1* chez un chat sain ou « atteint hétérozygote » est supérieure à 99%

TEST SPECIFICATIONS

TEST ACCURACY : This test is specific to the cat polycystic kidney disease. This test relies on the detection of the normal form of *PKD1* gene and the only defective form known up to date. This test can not be used to detect other forms of hereditary polycystic kidney disease, nor other forms of hereditary kidney disease, nor other kidney ailment acquired during the life span of the animal.

TEST RELIABILITY : 99% - SENSITIVITY : probability of correct identification of the defective form of *PKD1* gene in a heterozygous or homozygous affected cat is higher than 99 % – SPECIFICITY : probability of correct identification of the normal form of *PKD1* gene in a clear or carrier or heterozygous affected cat is higher than 99%

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PKD1 AND IDENTITY MARKER REPORT

PIOTR PARDO UL. ZEUSA 53/6 80-180 GDANSK POLAND	***Case:*** **CAT43834** ***Date Received:*** 15-Feb-2012 ***Report Date:*** 21-Feb-2012 ***Report ID:*** 2690-3268-5849-4044 Verify report at https://www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **PURRINLOT BLUE MIRAGE OF PL*JANTAR** *Reg:* **1108-1695984**
DOB: **03/18/2010** *Breed:* **PE** *Sex:* **M** *Microchip:* **AVID*048*811*560**

Sire: PURRINLOT EYE BELIEVE /BLUE EYED/ *Reg:* 1140-1570828
Dam: GC PURRINLOT ATHENA`S PRESENT /OE/ *Reg:* 1159-1620282

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. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses. *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
FCA075	PS	*FCA220*	I
FCA229	P	*FCA105*	RV
FCA149	JL	*FCA678*	N

This test is performed under a license agreement with the University of California.

DNA ANALYSIS CERTIFICATE

PURRINLOT BLUE MIRAGE OF PL*JANTAR

Case: CAT43834
Report Date: February 21, 2012
Report ID: 2690-3268-5849-4044

Breed: Persian
Sex: Male
Color: BLACK AND WHITE VAN /BLUE
DOB: 03/18/2010
Reg: 1108-1695984
Microchip: AVID*048*811*560

PKD1 Result

N/N

Does not possess the disease-causing PKD1 gene.

Identity Panel

P	I	P	R	J	N
FCA075	FCA220	FCA229	FCA105	FCA149	FCA678
S	I	P	V	L	N

Veterinary Genetics Laboratory
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www.vgl.ucdavis.edu

PIOTR PARDO
UL. ZEUSA 53/6 80-180 GDANSK

POLAND

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PKD1 AND IDENTITY MARKER REPORT

OLGA MOGILNIKOVG
BEHTENERA ST 5-15
BARNAUL
RUSSIA, 656011

Case:	**CAT6279**
Date Received:	28-Apr-2006
Report Date:	08-May-2006

Cat: **CATICA BOOGY-WOOGY OF DOLL LIK** *Reg:* **CFA7796-1514343**
YOB: **04** *Breed:* **ES** *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

LOCUS	TYPE	LOCUS	TYPE
FCA069	NO	*FCA075*	PS
FCA220	KL	*FCA229*	P
FCA105	R	*FCA441*	MO

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PKD1 AND IDENTITY MARKER REPORT

OLGA MOGILNIKOVA
BEHTENERA ST 5-15
BARNAUL
RUSSIA, 656011

Case:	**CAT8410**
Date Received:	03-Oct-2006
Report Date:	05-Oct-2006

Cat: **PENSFORDHILL AYUTTAYA** *Reg:*
YOB: **06** *Breed:* **ES** *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

LOCUS	TYPE	LOCUS	TYPE
FCA069	LN	*FCA075*	S
FCA220	KL	*FCA229*	NP
FCA105	SU	*FCA441*	MO

This test is performed under a license agreement with the University of California, Davis.

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СЕРТИФИКАТ № 46-1000046759
результата генетического исследования
CERTIFICATE # 46-1000046759
of DNA test result

Дата заказа/Order date: 25.07.2017 Дата выдачи/Issue date: 01.09.2017

Вид исследования / DNA test
Поликистоз почек / Polycystic kidney disease

ГЕН: ***PKD1 (polycystic kidney disease gene 1)***

Заказ зарегистрирован в: **Центр ветеринарной генетики ЗООГЕН / Center of veterinary genetics ZOOGEN (ООО "ЗООГЕН")**

Порода/Breed: **Экзотическая / Exoic**

Кличка/Name: **PAW-WALLY APRICOT**

Пол/Gender: **Кот / Male** Дата рождения/Birthdate: **14.06.2013**

Родословная/Pedigree:

Клеймо, электронный чип/Tatoo, e-chip: **7798-01791515**

Окрас/Colour: **red smoke-white**

Владелец/Owner: **Носов Леонид Владимирович / Nosov L. V.**

Биологический материал предоставлен заказчиком / a sample is provided by customer

ГЕНОТИП / GENOTYPE

NN

гомозигота по нормальной аллели гена, здоров. Животное не передаст мутантную аллель потомству.
homozygous by healthy allele (not a carrier of mutation), clear. The animal will not pass a mutant allele to its offspring.

Центр ветеринарной генетики ЗООГЕН / Center of veterinary genetics ZOOGEN
ООО "ЗООГЕН" _____ **А.В. Марков / A.V. Markov**
М.П.

Исследование выполнено в соответствии с литературными данными / Analyzed in conformity with reference data
PMID: 15466259 (номера в базе данных PubMed / PubMed database IDs)

Зоген

ISAG

СЕРТИФИКАТ № 46-1000046760
результата генетического исследования
CERTIFICATE # 46-1000046760
of DNA test result

Дата заказа/Order date: 25.07.2017 Дата выдачи/Issue date: 01.09.2017

Вид исследования / DNA test
Поликистоз почек / Polycystic kidney disease

ГЕН: ***PKD1 (polycystic kidney disease gene 1)***

Заказ зарегистрирован в: **Центр ветеринарной генетики ЗООГЕН / Center of veterinary genetics ZOOGEN (ООО "ЗООГЕН")**

Порода/Breed: **Экзотическая / Exoic**

Кличка/Name: **JEM-DANDY LORIN**

Пол/Gender: **Кошка / Female** Дата рождения/Birthdate: **14.11.2014**

Родословная/Pedigree: **7993-02064192**

Клеймо, электронный чип/Tatoo, e-chip:

Окрас/Colour: **blue tabby-white**

Владелец/Owner: **Носов Леонид Владимирович / Nosov L. V.**

Биологический материал предоставлен заказчиком / a sample is provided by customer

ГЕНОТИП / GENOTYPE

NN

гомозигота по нормальной аллели гена, здоров. Животное не передаст мутантную аллель потомству.
homozygous by healthy allele (not a carrier of mutation), clear. The animal will not pass a mutant allele to its offspring.

Центр ветеринарной генетики ЗООГЕН / Center of veterinary genetics ZOOGEN

ООО "ЗООГЕН" _____ **А.В. Марков / A.V. Markov**

М.П.

Исследование выполнено в соответствии с литературными данными / Analyzed in conformity with reference data
PMID: 15466259 (номера в базе данных PubMed / PubMed database IDs)

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