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23. September 2016

Tikee (Workingdoezen Femia D'Voodoo Chile 11/29/2014

Direct mutation analysis for gPRA in Schapendoes

Sample received: 9/8/2016

Reg. No.: SE10825/2015

Our reference: PRASD2030dir

For the direct mutation test DNA was isolated from the blood / swab sample, amplified by polymerase chain reaction (PCR) and characterized by specific restriction endonuclease cleavage in order to detect the mutation on chromosome CFA 20 identified by Dekomien et al (2009).

Results:

The direct DNA analysis has revealed the following genotype for your dog:

Name of Schapendoes	Genotype
<i>Tikee (Workingdoezen Femia D'Voodoo Chile</i>	++

Evaluation:

The recently detected gPRA mutation was not identified in your dog. Consequently, *Tikee (Workingdoezen Femia D'Voodoo Chile* is homozygous for the normal allele and will not develop gPRA as caused by the aforementioned mutation.

If you have additional questions, please do not hesitate to contact us.

Yours sincerely

Prof. Dr. J.T. Epplen
Specialist for Human Genetics

Dr. G. Dekomien
Biologist

180527

Sample received: 20.09.16 our reference: SD 2030arb

Molecular Genetic Diagnostics

Owner: Mr. [] Mrs. Lange Michael
Address: Rigistrasse 57
Zip/Town: 4054 Basel
Country: Switzerland
Tel.No./fax: 0041-79-683 6096

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Human Genetics
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gPRA gene test for Nederlandse Schapendoes (direct)

[] Dog has already been tested by the indirect marker test, reference no. PRASD
OR
[] Enclosed blood sample (2 x 5 ml EDTA-blood) or at least [] 3 swabs (mouthwash) of:

Name of Dog: * Tikee (Workingdoesjes Teria d Voodoo Anilo) ✓
Father: Aurinkokeijun Voodoo Chile Mother: Dan de does Emilia
Gender: [] male female Born: 29.11.2014
Reg.Nr.: Chipno./tattoono. 941000016896488
Sample taken on: 5.9.2016 Diagnosis: healthy [] affected
Symptoms:
Family History:
* a completed and signed copy of this form and a photocopy of the pedigree MUST be enclosed

for performing a genetic test for generalised progressive retinal atrophy (gPRA). The undersigned confirm that the animal submitted for examination is the one described above. The owner's signature also means that the results may be given to the breed-club and are available for official publication.

5.9.16 [Signature] Michael LANGE
Date Owner's Signature Name in block letters

Herewith I confirm that the chip/tattoo number of the dog corresponds to the number mentioned on the pedigree document

5.9.16 [Signature] Gabrielle BRUNNER
Date Veterinarian's Signature Name in block letters

The direct DNA analysis has detected the following genotype for the abovementioned dog:

Schapendoes ++ Normal [] +- Carrier [] -- Affected
23.9.16 [Signature] [Signature]
Date Prof. Dr. J.T. Epplen Dr. Gabriele Dekomien

Invoice address:
(if different from
the above mentioned