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PROGRESSIVE RETINAL ATROPHY (PRA) REPORT

ANDREA A. S. VAN ELMPT VAALRIVIERSTRAAT 10A 1091 PD AMSTERDAM THE NETHERLANDS NETHERLANDS	Case: CAT56965 Date Received: 15-Jul-2013 Report Date: 23-Jan-2014 Report ID: 8473-5918-4304-6140 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html
Cat: DETREVANDE'S JADEN DOB: 06/14/2013 Breed: AB Sex: F Microchip: 528246002178977	Reg: (NL) MU.LO13.ABY.026.1
Sire: HELIOS DE SHAKIRI Dam: GALOUBIE KOSCHKA'S RUDDY SAFRA	Reg: LOOF 2012.12428 Reg: (NL) MU.LO12.ABY 004.4

PRA-CEP290	PRA-CRX Result
N/N	N/N

Result Codes for PRA-CEP290:

- N/N Normal, cat does not have rdAc mutation*
- N/rdAc Carrier, cat has one copy of rdAc mutation. Breeding between carriers is expected to produce 25% affected kittens
- rdAc/rdAc Affected

rdAc is a progressive retinal atrophy that causes late-onset blindness.* Affected cats are born with normal vision, show retinal degeneration at about 7 months and are blind by age 3-5 years. The condition is inherited as an autosomal recessive, and there is no treatment. * This test only detects the mutation in the CEP290 gene known to cause PRA-rdAc in Abyssinian, Somali, Ocicat, Siamese and related breeds, American Curl, American Wirehair, Bengal, Cornish Rex, Munchkin, Singapura and Tonkinese.

Result Codes for PRA-CRX

- N/N Normal, cat does not have Rdy mutation**
- N/Rdy Affected, cat has one copy of the Rdy mutation. This cat will produce affected kittens 50% of the time when bred to a normal cat, or 75% of the time when bred to another cat
- Rdy/Rdy Affected, cat will always produce affected kittens.

Rdy is an early-onset retinopathy caused by a defective protein that is critical for eye development.** Affected kittens display dilated pupils and sluggish pupillary reflexes around 2 weeks of age and often become blind by about 7 weeks of age. The condition is inherited as an autosomal dominant trait, and there is no treatment. ** This test only detects the mutation in the CRX gene known to cause PRA-Rdy in Abyssinian and Somali breeds.