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PROGRESSIVE RETINAL ATROPHY (PRA) REPORT

ANDREA A. S. VAN ELMPT VAALRIVIERSTRAAT 10A 1091 PD AMSTERDAM NETHERLANDS	Case: CAT24991 Date Received: 13-Jul-2009 Report Date: 12-Oct-2010 Report ID: 3270-3152-3852-5039
Cat: DETREVANDE'S CRAZY LIL' THING DOB: 04/08/2009 Breed: AB Sex: F Microchip: 528246000202569	Reg: MU.L09.ABY.013.2
Sire: CLARION LITTLE MANTATE Dam: VILDT TOSHI PÅ DETREVANDE	Reg: CFA0360-1601461 Reg: MU.L04.ABY.003.2

PRA-CEP290 Result	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 with one copy of the Rdy mutation.
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.