UNIVERSITY OF CALIFORNIA, DAVIS

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PROGRESSIVE RETINAL ATROPHY (PRA) REPORT

HEIDE PETERSEN
MAGLEMOSE 18
4960 HOLEBY
DENMARK

Case: **CAT75321**
Date Received: 04-Jun-2015
Print Date: 08-Jun-2015
Report ID: 2226-2663-8649-8022
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: **S*SPLENDID'S ISADORA** *Reg:*

DOB: **12/06/2014** *Sex:* **Female** *Breed:* **Siamese** *Microchip:* **752098100728450** *Color:* **seal-point**

Sire: *S SPLENDID'S CONCRETE *Reg:* SVERAK LO 264112
Dam: S*YZINGS JAVIZZT *Reg:* SVERAK LO 306737

PRA-CEP290 Result	PRA-CRX Result
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.