



VETERINARY GENETICS LABORATORY  
SCHOOL OF VETERINARY MEDICINE  
ONE SHIELDS AVENUE  
DAVIS, CALIFORNIA 95616-8744

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

## PROGRESSIVE RETINAL ATROPHY (PRA) REPORT

BIRGITTA SCHMIDT FRÖLUNDABORGS ALLÉ 1 B 414 76 GOTEBOG SWEDEN		<b>Case:</b> <b>CAT39695</b> <b>Date Received:</b> 23-Aug-2011 <b>Report Date:</b> 26-Aug-2011 <b>Report ID:</b> 4664-1111-6660-2000
<i>Cat:</i> <b>SANDHUSET FIORELLA</b> <i>DOB:</i> <b>06/26/2007</b> <i>Breed:</i> <b>OS</b> <i>Sex:</i> <b>F</b> <i>Microchip:</i> <b>977200004365350</b>		<i>Reg:</i> <b>SVERAK LO 235307</b>
<i>Sire:</i> HI TOR'S IVORY ILLUSION <i>Dam:</i> HUMLAÅSEN'S DAUGHTER OF DARKNESS		<i>Reg:</i> SVERAK LO 197780 <i>Reg:</i> SVERAK LO 221778

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.