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PROGRESSIVE RETINAL ATROPHY (PRA) REPORT

JAMES RANKIN
111 E. BROADWAY
SAND SPRINGS, OK 74063

Case: **CAT119813**
Date Received: 03-Dec-2019
Print Date: 04-Dec-2019
Report ID: 8097-1250-8516-4086
Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm

Cat: **JOY** *Reg:*
DOB: **03/28/2019** *Sex:* **Female** *Breed:* **Abyssinian** *Microchip:* **643094100639842** *Color:* **Ruddy**

Sire: ACHIVAS *Reg:* RU-0164-011
Dam: CHELMI'S OLIVIA *Reg:* Farus/ZP 4345

PRA-CEP290 Result	PRA-CRX Result
N/rdAc	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.

For more information on PRA-CEP290 and PRA-CRX test results, please go to:
www.vgl.ucdavis.edu/services/cat/pra.php