



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

JOSEPH H. VAN HOUTUM HAARLEMMER HOUTTUINEN 425 1013 GM 1013 GM AMSTERDAM NETHERLANDS	Case: CAT47980 Date 06-Aug-2012 Report Date: 06-Nov-2012 Report ID: 2436-3792-0075-0062 Verify report at https://www.vgl.ucdavis .
Cat: GALOUBIE KOSCHKA RUDDY SAFRA DOB: 06/10/2012 Breed AB Sex: F Microchi 528210002810821	Reg:
Sire: HIGHGAITPAW'S SEUSS OF DETREVANDE Dam: GITACHO'S VIOLA	Reg: CFA 0380-1714764 Reg: MU.L07.ABY.011.2

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.