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PROGRESSIVE RETINAL ATROPHY (PRA) REPORT

<p>SARA VEGA</p> <p>SANTIAGO, 8330269 CHILE</p>	<p>Case: CAT77070</p> <p>Date Received: 03-Aug-2015</p> <p>Print Date: 04-Aug-2015 Report ID: 1541-3018-2170-9017</p> <p>Verify report at www.vgl.ucdavis.edu/myvgl/verify.html</p>
<p><i>Cat:</i> SABLE KLAN RHEA OF PERBAST <i>Reg:</i> SBV 112014 010</p> <p><i>DOB:</i> 11/20/2014 <i>Sex:</i> Female <i>Breed:</i> Somali <i>Microchip:</i> <i>Color:</i> Blue</p>	
<p><i>Sire:</i> UTRILLO VITTORIOSO DI GENS RUBRA <i>Reg:</i></p> <p><i>Dam:</i> DANAKIL'S BLUE BELLE <i>Reg:</i></p>	

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.