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## PROGRESSIVE RETINAL ATROPHY (PRA) REPORT

|  |   |
|--|---|
| <p>JAMES RANKIN<br/>111 E. BROADWAY<br/>SAND SPRINGS, OK 74063</p>   | <p><b>Case:</b> <b>CAT119814</b><br/><b>Date Received:</b> 03-Dec-2019<br/><b>Print Date:</b> 04-Dec-2019<br/><b>Report ID:</b> 0516-8173-2543-1064<br/>Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.htm">www.vgl.ucdavis.edu/myvgl/verify.htm</a></p> |
| <p><b>Cat:</b> SUNSHINE<br/><b>DOB:</b> 05/29/2019 <b>Sex:</b> Male <b>Breed:</b> Abyssinian <b>Microchip:</b> 643094100652403 <b>Color:</b> Ruddy</p> | <p><b>Reg:</b></p>  |
| <p><b>Sire:</b> EMMANUELLE MARSEILLE<br/><b>Dam:</b> FIRE CAT ISABELLE</p>   | <p><b>Reg:</b> Farus/ZP 4355<br/><b>Reg:</b> Farus/NH 1150</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.

**For more information on PRA-CEP290 and PRA-CRX test results, please go to:**  
**[www.vgl.ucdavis.edu/services/cat/praphp](http://www.vgl.ucdavis.edu/services/cat/praphp)**