Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

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# Laboratory Report

**** Amended Report ****

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|---|---|---|---|
| **Laboratory #:** | 60944 | **Call Name:** | Pippa |
| **Order #:** | 28522 | **Registered Name:** | - |
| **Ordered By:** | Stephanie Huber | **Breed:** | Labradoodle |
| **Ordered:** | Sept. 19, 2017 | **Sex:** | Female |
| **Received:** | Sept. 19, 2017 | **DOB:** | Aug. 2017 |
| **Reported:** | Sept. 22, 2017 | **Registration #:** | - |
| **Amended:** | Sept. 26, 2017 | **Microchip #:** | 0C00161726 |

## Results:

| Disease | Gene | Genotype | Interpretation |
|---|---|---|---|
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration | *PRCD* | WT/M | Carrier |

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

## Interpretation:

Molecular genetic analysis was performed for a specific mutation reported to be associated with Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration in dogs. We identified one normal copy and one mutant copy of the DNA sequences for *PRCD*. Thus, this dog is a carrier of Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration.

## Recommendations:

Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration is inherited in an autosomal recessive fashion. Based on this, and the fact that this dog showed a mutation in one copy of the *PRCD* gene, this dog is a carrier of this disease. Although dogs that carry only one copy of this mutation will not be clinically affected, if bred with another carrier, the pairing could produce affected offspring. To avoid producing affected offspring, this dog should be bred with dogs that are normal (WT/WT) for this gene. Dogs related to this dog have an increased risk to be affected by or carry the mutated gene. Additional testing for this mutation is indicated for related dogs.

Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.

**Note: At the client's request, this laboratory report and the accompanying Canine Genetic Health Certificate™ were amended on September 26, 2017 to update the call name for this dog.*

**Helen F Smith, PhD**
Assistant Laboratory Director

**Casey R Carl, DVM**
Associate Medical Director

Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics®. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results.