**Inqaba Biotechnical Industries (Pty) Ltd**
**Animal Genetics Division**

Co. Reg. No: 2001/011245/07
VAT No: 4150197251

# Progressive Retinal Atrophy (PRCD)

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|---|---|---|---|
| Client Name: | Liane van der Hoven (LIA001) | Report No: | ZO2022/5011/20221205/#36952 |
| Client Address: | Liane van der Hoven (LIA001)<br>Earth Cottage<br>Hemel-en-Aarde Valley (34°22'49.8"S 19°14'19.3"E)<br>Hermanus, Western Cape<br>7200<br>South Africa | | |
| Phone: | 072 697 0841 | | |
| Email: | lianevanderhoven@gmail.com | | |
| Profile: | DG1427 | Species: | Canis lupus familiaris / Canine / Dog |
| Name: | Bonyl Magic Star | Microchip #: | 945000001723550 |
| Breed: | Golden Retriever | Registration #: | ZA008974B17 |

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|---|---|---|---|
| Test: | [PRA-PRCD] Progressive Retinal Atrophy (PRCD) | | |
| Results: | c.5G>A (formerly 1298G>A) | GG | CLEAR |

Sample Type: Whole Blood (EDTA) Extraction Method: DNA Extraction: D4069 Test Type: Genetic Health

## [PRA-PRCD] Progressive Retinal Atrophy (PRCD)

Progressive Retinal Atrophy (PRA) is a collective of genetic eye disorders that share similar symptoms, and there are numerous mutations that cause PRA in various canine breeds. The progressive rod-cone degeneration form of PRA (PRCD) is common among many canine breeds.

This test detects the substitution of an ATP for a GTP at c.1298 G>A in a 106kb region on canine chromosome CFA9.

PRA-prcd is a late-onset, autosomal recessive photoreceptor degenerative disease, where two copies of the mutation are required for an individual to be affected.

References: Zangerl et al 2006. Identical mutation in a novel retinal gene causes progressive rod-cone degeneration in dogs and retinitis pigmentosa in humans. Genomics 88, pp 551-63.

**Disclaimer:**
**Whatever is contained in this report is subject to the following:**

This report does not disregard the existence of any rare or unknown variant within this gene or other gene(s) that may results in the same or similar trait. Multiple mutations and/or gene(s) may contribute to the overall trait observed.

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The DNA profile is based on a preliminary marker panel that is subject to modification pending additional genetic information.

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