

## Progressive Retinal Atrophy (GR\_PR1)

Client Name:	Liane van der Hoven (LIA001)	Report No:	ZO2021/2813/20210827/#12876
Client Address:	Liane van der Hoven (LIA001) Earth Cottage Hemel-en-Aarde Valley (34°22'49.8"S 19°14'19.3"E) Hermanus, Western Cape 7200 South Africa		
Phone:	072 697 0841		
Email:	lianevanderhoven@gmail.com		
Profile:	DG2021/20141	Species:	Canis lupus familiaris / Canine / Dog
Name:	Bonyl Galeranger	Microchip #:	945000001859591
Breed:	Golden Retriever	Registration #:	ZA012519B19
Test:	[GR_PR1] Progressive Retinal Atrophy (GR_PR1)		
Results:	c.2601_2602insC	-/-	CLEAR

Sample Type: Whole Blood (EDTA)	Extraction Method: DNA Extraction: D4069	Test Type: Genetic Health
<b>[GR_PR1] Progressive Retinal Atrophy (GR_PR1)</b>		
<p>Progressive Retinal Atrophy (PRA) is a collective of genetic eye disorders that share similar symptoms. There are numerous mutations that cause PRA in various canine breeds.</p> <p>PRA_GR1 is a late onset PRA discovered in Golden Retrievers responsible for 60% of PRA cases in Golden Retrievers. A single cytosine insertion at c.2601 in the SLC4A3 gene causes a shift in the reading frame and subsequent premature termination.</p> <p>PRA_GR1 is an autosomal recessive photoreceptor degenerative disease, where two copies of the mutation are required for an individual to be affected.</p> <p>References: Downs et al 2011. A Frameshift Mutation in Golden Retriever Dogs with Progressive Retinal Atrophy Endorses SLC4A3 as a Candidate gene for Human Retinal Degenerations. PLoS One 6(6), e21452.</p>		

It is the sender's responsibility to ensure the correctness of the information accompanying the samples. In no event shall Inqaba Biotechnical Industries (Pty) Ltd or its divisions be held liable for indirect, substantial or secondary damages of any kind. Results are usually made available within 7-14 days of receipt of samples. Please note that results are only released subject to payment.

---

**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 result in the same or similar trait. Multiple mutations and/or gene(s) may contribute to the overall trait observed.

Inqaba Biotechnical Industries Pty Ltd and the divisions thereof (Registration number: 2001/011245/07) accepts that the biological specimen(s) provided, originates from the relevant animal(s) indicated on supporting documents received and does not accept responsibility for the downstream effects of incorrect information provided.

It is the responsibility of the client that all biological samples are available at submission or previously submitted and corresponds with all requested samples listed on the sample submission form. Inqaba Biotechnical Industries Pty Ltd and the divisions thereof does not accept responsibility for the effect of any absent samples on the analysis results.

Inqaba Biotechnical Industries Pty Ltd and the divisions thereof accepts that all genetic profiles and/or samples from external sources are correctly labelled and accurate. Inqaba Biotechnical Industries Pty Ltd and the divisions thereof does not accept responsibility for the effect of any inaccuracies of submitted DNA profiles on the analysis and results.

Inqaba Biotechnical Industries Pty Ltd and the divisions thereof shall not be responsible for human and/or technical errors that could not have been foreseen.

This document is solely for the use of the addressee and only in connection for the purpose set out in this document. Inqaba Biotechnical Industries Pty Ltd and the divisions thereof do not assume liability or responsibility to any third party to which this document is disclosed or otherwise made available.

Nothing in this document should be construed as advice to proceed or not to proceed with any specific course of action, as it was not prepared for that purpose.

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

It is the sender's responsibility to obtain permits when sending samples where required.

Inqaba Biotechnical Industries Pty Ltd and the divisions thereof reserve the right to decline testing of samples.

No guarantees are made with regards to turn-around processing time and results, and no liability will be accepted for any delays.



ZooOmics™