Inqaba Biotechnical Industries (Pty) Ltd
Animal Genetics Division

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

Progressive Retinal Atrophy (PRCD)

Client Name:	Liane van der Hoven (LIA001)	Report No:	ZO2022/5011/20221205/#36951
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:	DG1426	Species:	Canis lupus familiaris / Canine / Dog
Name:	Ghlenairh Isle of Skye	Microchip #:	953010000509506
Breed:	Golden Retriever	Registration #:	ZA007945B15

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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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.

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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.

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