inqaba biotec™
Africa's Genomics Company

PROGRESSIVE RETINAL ATROPHY – PROGRESSIVE ROD CONE DYSTROPHY

REPORT NO.: SA2019/71518/0409/08

Client Name:	LIANE VAN DER HOVEN
Kennel Name:	
Client Address:	SUITE 69 PRIVATE BAG X16 7200
Client Tel No.:	072 697 0841
Canine Name:	BONYL GLOWING EMBER
Breed:	GOLDEN RETRIEVER
Microchip No.:	953010002931983 Registration No.: ZA003718B19
Genetic Test:	PRA – PROGRESSIVE ROD CONE DYSTROPHY
Result:	CLEAR

PROGRESSIVE RETINAL ATROPHY PRA_PRCD

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. The progressive rod-cone degeneration form of PRA (PRA-prcd) is found in various canine breeds.

This test detects the substitution of a ATP for a GTP at c.1298 G>A in the 106kb region on CFA9 (Zangerl et al, 2006). 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.

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.

SAMPLE TYPE:	EDTA BLOOD AMPULE
EXTRACTION METHOD:	DNA EXTRACTION
TEST TYPE:	SANGER SEQUENCE DETECTION

BREEDING IMPLICATIONS

PATERNAL CANDIDATE			MATERNAL CANDIDATE: CLEAR (G G)		MATERNAL CANDIDATE: CARRIER (G A)		MATERNAL CANDIDATE: AFFECTED (A A)	
CLEAR	G	G	GG	GG	GG	GA	GA	GA
			ALL CLEAR		50% CLEAR 50% CARRIER		ALL CARRIER	
CARRIER	G	A	GG	GA	GG	GA	GA	AA
					GA	AA		
			50% CLEAR 50% CARRIER		25% CLEAR 50% CARRIER 25% AFFECTED		50% CARRIER 50% AFFECTED	
AFFECTED	A	A	GA	GA	GA	AA	AA	AA
			ALL CARRIER		50% CARRIER 50% AFFECTED		ALL AFFECTED	

Disclaimer: This report does not disregard the existence of any unknown or rare variant of PRA-prcd.

Find us on: facebook

DISCLAIMER: IT IS THE SENDER'S RESPONSIBILITY TO ENSURE THE CORRECTNESS OF INFORMATION ACCOMPANYING SAMPLE(S). INQABA BIOTEC™ WARRANTS THE TESTS TO BE ACCURATE FOR THE SAMPLE(S) OBTAINED FROM THE INDIVIDUALS IDENTIFIED IN THIS REPORT. IN NO EVENT SHALL INQABA BIOTEC™ BE HELD LIABLE FOR UNINTENDED, SUBSTANTIAL OR SECONDARY DAMAGES OF ANY KIND.

SOUTHERN AFRICA
Inqaba Biotechnical Industries (Pty) Ltd
PO Box 14335, Hatfield, 0028
Pretoria, South Africa
Tel: +27 12 343 5829
E-mail: info@inqababiotec.co.za

EAST AFRICA
inqaba biotec™ East Africa Ltd
PO Box 1846
Nairobi 00606, Kenya
Tel: +254 735 370 693
E-mail: info@inqababiotec.co.ke

WEST AFRICA
inqaba biotec™ West Africa Ltd
PMB 5320, Oyo Road,
Ibadan 200001, Nigeria
Tel: +234 805 882 7272
E-mail: info@inqababiotec.ng