

Progressive Retinal Atrophy (GR_PR2)

Client Name:	Lauriaan Morton (LAU002)	Report No:	ZO2023/5164/20230123/#39601
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Profile:	DG2023/42806	Species:	Canis lupus familiaris / Canine / Dog
Name:	Chester	Microchip #:	933071000210271
Breed:	Golden Retriever	Registration #:	ZA007023B22
Test:	[GR_PR2] Progressive Retinal Atrophy (GR_PR2)		
Results:	c.699delA	AA	CLEAR

Sample Type: Whole Blood (EDTA)	Extraction Method: DNA Extraction: D4069	Test Type: Genetic Health
[GR_PR2] Progressive Retinal Atrophy (GR_PR2) 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. PRA_GR2 is a late onset PRA discovered in Golden Retrievers responsible for 30% of PRA cases. This test detects a single adenine deletion at c.699 of the TTC8 gene causing a shift in the reading frame. PRA_GR2 is an autosomal recessive photoreceptor degenerative disease, where two copies of the mutation are required for an individual to be affected. References: Downs et al 2014. A novel mutation in TTC8 is associated with progressive retinal atrophy in the golden retriever. Canine Genetics and Epidemiology 1(4).		

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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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