

PROGRESSIVE RETINAL ATROPHY (PRCD)

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 Kennel Name:
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REPORT NO.: ZO2023/5172/0123/01



Canine Name: Mochavulin Mkuze
 Breed: Golden Retriever
 Microchip No.: 900 250 000 234 015
 Genetic Test: **PROGRESSIVE RETINAL ATROPHY (PRCD)**
 Result: CLEAR

Registration No.: ZA010702B16

PROGRESSIVE RETINAL ATROPHY (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 (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.

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: Whole Blood (EDTA)
 Extraction Method: DNA Extraction
 Test Type: Sanger Sequencing

BREEDING IMPLICATIONS

		MATERNAL CANDIDATE		
		CLEAR	CARRIER	AFFECTED
PATERNAL CANDIDATE	CLEAR	ALL CLEAR	50% CLEAR 50% CARRIER	ALL CARRIER
	CARRIER	50% CLEAR 50% CARRIER	25% CLEAR 50% CARRIER 25% AFFECTED	50% CARRIER 50% AFFECTED
	AFFECTED	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.



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