


PROGRESSIVE RETINAL ATROPHY – CONE ROD DYSTROPHY

Client Name: SHARRON BROWN
 Kennel Name:
 Client Address: BOX 212
 FERNDALE
 RANDBURG GP 2160
 Client Tel No.: 082 830 7291

REPORT NO.: ZO2020/753/0326/02



Canine Name: **ROSIE**
 Breed: **MINI SMOOTH HAired DACHSHUND**
 Microchip No.: **933071000083606** Registration No.: **ZA013764B19**
 Genetic Test: **PROGRESSIVE RETINAL ATROPHY – CONE ROD DYSTROPHY**
 Result: **CLEAR**

PROGRESSIVE RETINAL ATROPHY (PRA_CORD1)

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 cone-rod dystrophy form of PRA (PRA-cord1) affects standard and miniature dachshunds and English springer spaniels. It is caused by an insertion A29GGAAGCAACAGGATG at g. 8228_9. This is an autosomal recessive trait that requires two mutations to cause late onset PRA.

Mellersh et al 2006. Canine RPGRIP1 mutation establishes cone-rod dystrophy in miniature longhaired dachshunds as a homologue of human Leber congenital amaurosis. Genomics. 88, pp293-301.

SAMPLE TYPE: FTA CARD
 EXTRACTION METHOD: FTA CARD PURIFICATION
 TEST TYPE: SANGER SEQUENCE DETECTION

BREEDING IMPLICATIONS

		MATERNAL CANDIDATE						
		CLEAR		CARRIER		A ⁴⁴		
PATERNAL CANDIDATE	CLEAR	-	-	-	A ⁴⁴	A ⁴⁴	A ⁴⁴	
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
CARRIER	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
A ⁴⁴	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	

Disclaimer: This report does not disregard the existence of any unknown or rare variant of RPGRIP1 gene that may cause PRA-cord1.



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