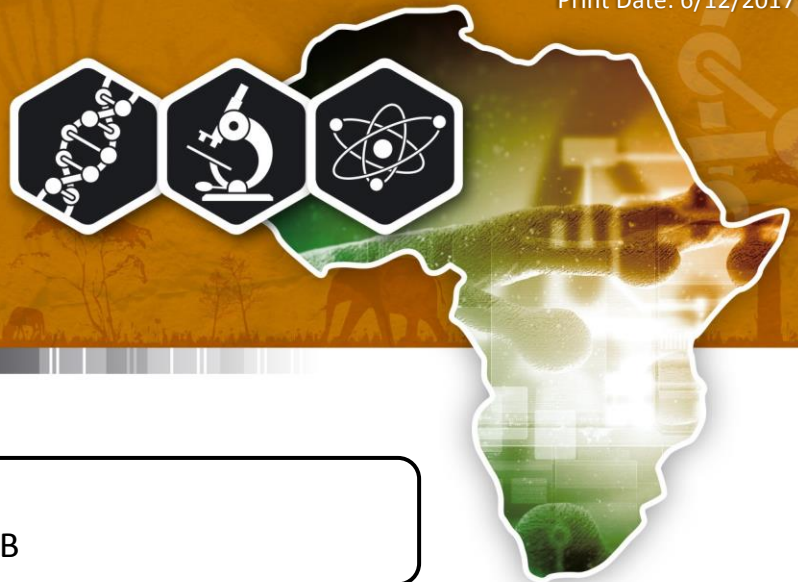




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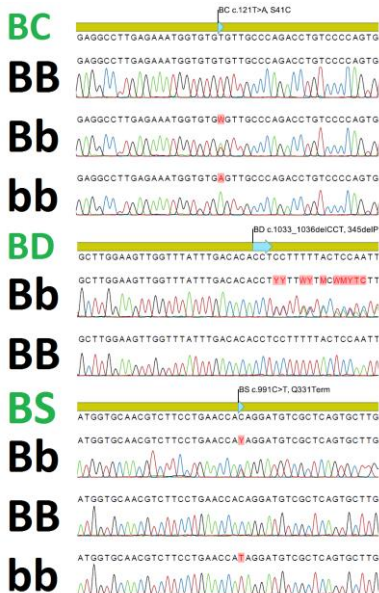
**ANIMAL GENETICS**  
**CANINE TEST REPORT: COLOUR LOCUS B**

Client's Name: NICOLE GERSTENBERG  
 Client's Address: 27 BARRY STREET  
 HOUT BAY  
 7806  
 Client's Tel No.: 082 218 6664



Canine's Name: KWA-ZURI OF TAUTONGA  
 Breed: RHODESIAN RIDGEBACK  
 Registration No.: ZA005270B17      Microchip No.: 945000001816940

Genetic Test: **COLOUR LOCUS B**  
 Result: **B<sup>S</sup>B<sup>S</sup>B<sup>C</sup>B<sup>C</sup>B<sup>D</sup>B<sup>D</sup>**



**THE LIVER GENE/B LOCUS:**

The B locus is an autosomal dominant locus, and is associated with eumelanin (black pigment) production. B is dominant and produces black. The B-locus described contains three mutations designated B<sup>S</sup> for SNP site c.991C>T, B<sup>C</sup> for SNP site c.121 T>A and B<sup>D</sup> for indel site c.1033\_1036delCCT. b<sup>s</sup>, b<sup>c</sup> and b<sup>d</sup> represent recessive alleles, thus b<sup>s</sup>b<sup>s</sup>, b<sup>c</sup>b<sup>c</sup> and/or b<sup>d</sup>b<sup>d</sup> genotypes are required to confer the liver/chocolate colour.

**BREEDING IMPLICATIONS:**

**THIS CANINE DOES NOT CARRY A LIVER MUTATION.**

Disclaimer: This report does not disregard the existence of any unknown or rare variant of TYRP1 gene that may cause a liver/chocolate coat or nose. The final coat colour in many breeds is also influenced by other loci.



P.O Box 14356  
 Hatfield  
 South Africa  
 0028

Tel: 012 343 0422  
 E-mail: [animalgenetics@inqababiotec.co.za](mailto:animalgenetics@inqababiotec.co.za)  
 Web: [www.inqababiotec.co.za](http://www.inqababiotec.co.za)