



GENETIC CERTIFICATE

Ms Veronica TOFTE

Paradisevagen 91
29591 Bromolla
SWEDEN

Name : **Rouge Rubis Karamel
Sutra**

Breed : **French Mastiff**

ID Number : **941 000 017 766 380**
Pedigree Number : **SE20049/2015**

Gender : **Female**
Birth date : **08/03/2015**

Owner :
TOFTE Veronica
29591 Bromolla (SE)
Customer Nb : C68061

Sample Number : **504 606** (Authenticated)
Sample type : Cheek swab sample
Sample date : 29/09/2016
Request date : 10/10/2016

Sampler veterinarian :
MARTINSEN Christopher
29591 Bromolla (SE)
Official number :

File Nu. : 123 762
Animal Number : 144 970
Result code : 238001

Hereditary Footpad Hyperkeratosis (HFH-B)

Result : **Normal homozygous**

Interpretation : The animal has 2 normal copies of the gene involved in this Hereditary Footpad Hyperkeratosis. The animal will not develop the form of this disorder associated to the tested mutation. The animal will not transmit the genetic anomaly to its progeny.

Result established on 18/10/2016
Certificate issued on 18/10/2016

Lina Muselet
Genetics Engineer

Explanation

This test is specific to Hereditary Footpad Hyperkeratosis in Dogue de Bordeaux breed. This disorder is inherited as an autosomal recessive trait. This test relies on the detection of the normal form of the gene involved in this Hereditary Footpad Hyperkeratosis and the defective form. This test can not be used to detect other forms of footpad hyperkeratosis, nor other hereditary forms of dermatological diseases, nor other dermatological disorders acquired during the life span of the animal. The research was led by the team of Dr. Catherine André (CNRS of Rennes, France) in collaboration with Antagene.

The laboratory ANTAGENE puts at its disposal all resources and means necessary with regards to reliability, quality assurance, and traceability in order to guarantee a result of 99% accuracy.