


Dilated Cardiomyopathy (PDK4)

Client Name:	Angelique van Greuning (ANG003)	Report No:	ZO2022/4445/20220808/#29936
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Profile:	DG2022/35391	Species:	Canis lupus familiaris / Canine / Dog
Name:	Constant	Microchip #:	945000001869863
Breed:	Dobermann	Registration #:	ZA012537B17
Test:	[PDK4] Dilated Cardiomyopathy (PDK4)		
Results:	PDK4del16nt	WT/WT	CLEAR

Sample Type: Whole Blood (EDTA)	Extraction Method: DNA Extraction: D4069	Test Type: Genetic Health
[PDK4] Dilated Cardiomyopathy (PDK4)		
<p>Hereditary dilated cardiomyopathy (DCM) is a myocardial disease that can result in the development of congestive heart failure and sudden death.</p> <p>The presence or absence of mutation 16bp deletion in PDK4 is tested. This form of DCM is known to affect Doberman Pinscher and Dobermann.</p> <p>DCM caused by PDK4del16nt is inherited in an autosomal dominant manner, this means that only one mutation (carrier) is required to present with symptoms.</p> <p>References: Meurs, et al 2012. A splice site mutation in a gene encoding for pdk4, a mitochondrial protein, is associated with the development of dilated cardiomyopathy in the Doberman pinscher. Human Genetics 131: pp1319–1325</p>		

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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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