


Ichthyosis

Client Name:	Liane van der Hoven (LIA001)	Report No:	ZO2021/2813/20210814/#12890
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Profile:	DG2021/20146	Species:	Canis lupus familiaris / Canine / Dog
Name:	Bonyl Knox Cobolt	Microchip #:	945000001859583
Breed:	Golden Retriever	Registration #:	ZA005818B21
Test:	[PNPLA1] Ichthyosis		
Results:	c.1451_1453delTACTACTA	WT/WT	CLEAR

Sample Type: Whole Blood (EDTA)	Extraction Method: DNA Extraction: D4069	Test Type: Genetic Health
[PNPLA1] Ichthyosis		
<p>Ichthyosis (PNPLA1) is mild, moderate, or severe scaling of the skin. This is visible in puppies and lasts throughout the lifespan of the canine. The scales darken in colour with age.</p> <p>This test detects the presence or absence of the indelACC/TACTACTA mutation in the PNPLA1 gene associated with ichthyosis of Golden Retrievers.</p> <p>Ichthyosis is inherited as an autosomal recessive trait. Two mutant alleles are required for an individual to be affected by ichthyosis.</p> <p>References: Grall et al 2012. PNPLA1 mutations cause autosomal recessive congenital ichthyosis in golden retriever dogs and humans. Nature Genetics 44, pp140.</p>		

It is the sender's responsibility to ensure the correctness of the information accompanying the samples. In no event shall Inqaba Biotechnical Industries (Pty) Ltd or its divisions be held liable for indirect, substantial or secondary damages of any kind. Results are usually made available within 7-14 days of receipt of samples. Please note that results are only released subject to payment.

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This report does not disregard the existence of any rare or unknown variant within this gene or other gene(s) that may result in the same or similar trait. Multiple mutations and/or gene(s) may contribute to the overall trait observed.

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It is the responsibility of the client that all biological samples are available at submission or previously submitted and corresponds with all requested samples listed on the sample submission form. Inqaba Biotechnical Industries Pty Ltd and the divisions thereof does not accept responsibility for the effect of any absent samples on the analysis results.

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The DNA profile is based on a preliminary marker panel that is subject to modification pending additional genetic information.

It is the sender's responsibility to obtain permits when sending samples where required.

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No guarantees are made with regards to turn-around processing time and results, and no liability will be accepted for any delays.

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